

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059883.D
 Acq On : 23 Aug 2018 12:49
 Operator : JC/SY
 Sample : VD0823SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Manual Integrations
 APPROVED

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 8/24/2018 3:09:02 PM

Quant Time: Aug 23 14:51:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1180372	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1616761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1337444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	704708	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	509194	51.18	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.36%	
35) Dibromofluoromethane	6.31	113	655913	51.75	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	103.50%	
50) Toluene-d8	9.45	98	1839335	52.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.42	95	731910	51.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	198627	18.82	ug/l	98
3) Chloromethane	1.75	50	188062	19.67	ug/l	98
4) Vinyl Chloride	1.84	62	149156	19.90	ug/l	98
5) Bromomethane	2.12	94	13091	10.12	ug/l	89
6) Chloroethane	2.23	64	34583	12.68	ug/l	95
7) Trichlorofluoromethane	2.49	101	166942	19.25	ug/l	97
8) Diethyl Ether	2.81	74	35460	18.23	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.08	101	118191	22.26	ug/l	98
10) Methyl Iodide	3.22	142	89022	18.11	ug/l	97
11) Tert butyl alcohol	3.96	59	76561	100.86	ug/l	97
12) 1,1-Dichloroethene	3.06	96	88746	21.47	ug/l	95
13) Acrolein	2.97	56	26252	79.73	ug/l	96
14) Allyl chloride	3.52	41	192461	20.58	ug/l	97
15) Acrylonitrile	4.07	53	287164	101.02	ug/l	99
16) Acetone	3.14	43	169531	93.53	ug/l	98
17) Carbon Disulfide	3.29	76	219880	17.14	ug/l	99
18) Methyl Acetate	3.54	43	65084	17.20	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	457031	19.54	ug/l	98
20) Methylene Chloride	3.70	84	265551	19.69	ug/l	94
21) trans-1,2-Dichloroethene	4.08	96	213621	18.76	ug/l	99
22) Diisopropyl ether	4.84	45	985325	20.66	ug/l	97
23) Vinyl Acetate	4.79	43	2808519	105.34	ug/l	100
24) 1,1-Dichloroethane	4.74	63	413322	20.06	ug/l	99
25) 2-Butanone	5.61	43	465267	86.67	ug/l	100
26) 2,2-Dichloropropane	5.58	77	351916	20.43	ug/l	97
27) cis-1,2-Dichloroethene	5.58	96	251979	20.21	ug/l	97
28) Bromochloromethane	5.91	49	207827	21.05	ug/l	95
29) Tetrahydrofuran	5.94	42	255369	99.92	ug/l	99
30) Chloroform	6.09	83	436660	20.85	ug/l	96
31) Cyclohexane	6.35	56	343593	18.14	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	359878	20.25	ug/l	99
36) 1,1-Dichloropropene	6.51	75	299275	20.42	ug/l	97
37) Ethyl Acetate	5.68	43	227894	19.98	ug/l	99
38) Carbon Tetrachloride	6.48	117	304554	20.59	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	304133	19.21	ug/l	100
40) Benzene	6.79	78	755466	19.82	ug/l	99
41) Methacrylonitrile	5.91	41	110567m	19.25	ug/l	
42) 1,2-Dichloroethane	6.88	62	254055	20.77	ug/l	98
43) Isopropyl Acetate	8.34	43	300082	20.23	ug/l	96
44) Trichloroethene	7.73	130	225994	20.14	ug/l	93
45) 1,2-Dichloropropane	8.09	63	217195	20.39	ug/l	98
46) Dibromomethane	8.21	93	137636	20.10	ug/l	97
47) Bromodichloromethane	8.49	83	322428	20.79	ug/l	99
48) Methyl methacrylate	8.24	41	168757	19.51	ug/l	97
49) 1,4-Dioxane	8.22	88	30506	395.07	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	989662	89.47	ug/l	96
52) Toluene	9.54	92	498189	20.39	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	300206	20.93	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	339831	20.44	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	174176	19.50	ug/l	96
56) Ethyl methacrylate	10.02	69	202758	19.67	ug/l	93
57) 1,3-Dichloropropane	10.38	76	271508	21.00	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	553330	111.89	ug/l	99
59) 2-Hexanone	10.49	43	770063	94.39	ug/l	96
60) Dibromochloromethane	10.63	129	225036	20.04	ug/l	100
61) 1,2-Dibromoethane	10.75	107	179175	19.84	ug/l	100
64) Tetrachloroethene	10.25	164	207291	20.04	ug/l	98
65) Chlorobenzene	11.31	112	548910	20.65	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	211391	21.77	ug/l	97
67) Ethyl Benzene	11.42	91	968244	21.65	ug/l	98
68) m/p-Xylenes	11.56	106	726113	44.60	ug/l	96
69) o-Xylene	11.93	106	338351	21.25	ug/l	97
70) Styrene	11.95	104	590548	21.42	ug/l	98
71) Bromoform	12.11	173	168851	20.10	ug/l	98
73) Isopropylbenzene	12.28	105	933485	20.75	ug/l	99
74) N-amyl acetate	12.13	43	402650	20.44	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	213164	20.49	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	233231	21.29	ug/l	100
77) Bromobenzene	12.54	156	259095	20.77	ug/l	82
78) n-propylbenzene	12.63	91	1270905	22.31	ug/l	96
79) 2-Chlorotoluene	12.70	91	702175	21.80	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	780352	21.82	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	67820	19.91	ug/l	97
82) 4-Chlorotoluene	12.81	91	790102	21.50	ug/l	97
83) tert-Butylbenzene	13.04	119	870478	21.37	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	785526	21.07	ug/l	97
85) sec-Butylbenzene	13.22	105	1024317	21.38	ug/l	99
86) p-Isopropyltoluene	13.34	119	841310	21.59	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	469478	21.08	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	469987	21.16	ug/l	99
89) n-Butylbenzene	13.64	91	871352	20.74	ug/l	97
90) Hexachloroethane	13.85	117	212012	20.26	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	410594	21.69	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	33117	20.70	ug/l	80

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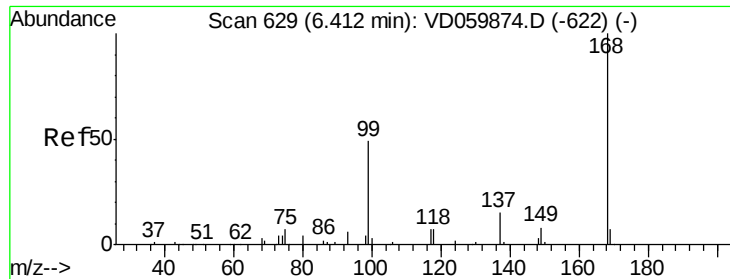
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	326665	20.15	ug/l	98
94) Hexachlorobutadiene	14.88	225	224170	21.10	ug/l	99
95) Naphthalene	14.96	128	496784	20.05	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	282557	20.38	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

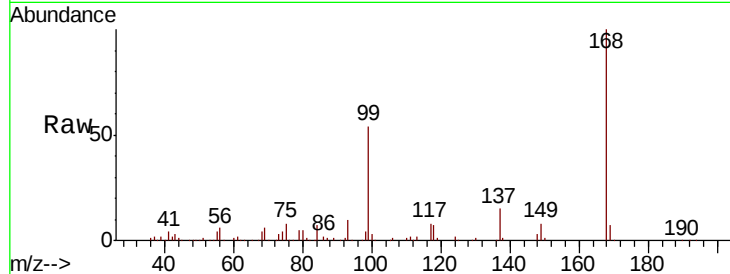
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.39 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
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 VD0823SBS01

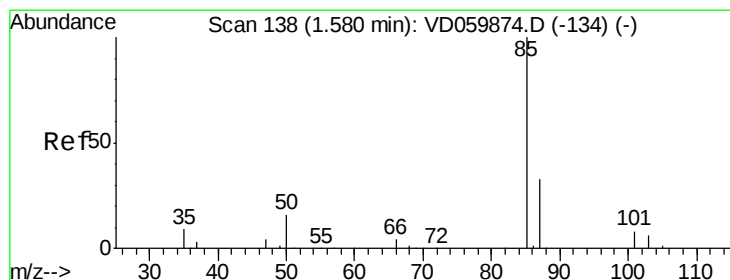
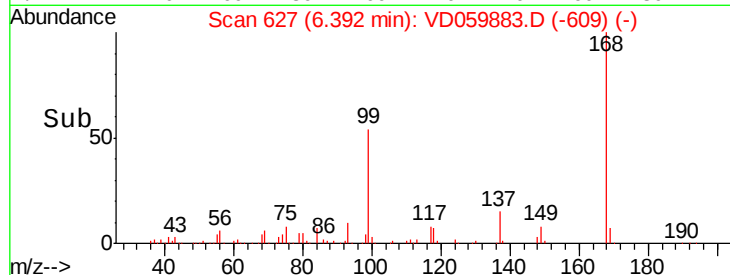
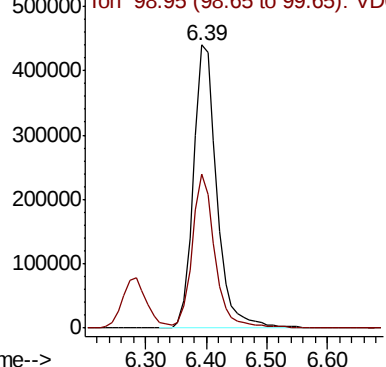
Tot Ion:168 Resp: 1180372
 Ion Ratio Lower Upper
 168 100
 99 54.4 42.2 63.2

Manual Integrations
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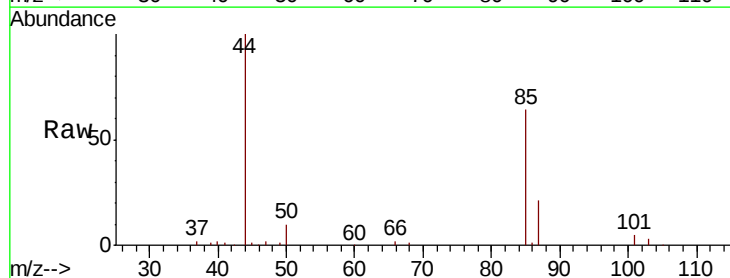
Abundance Ion 167.90 (167.60 to 168.60): V



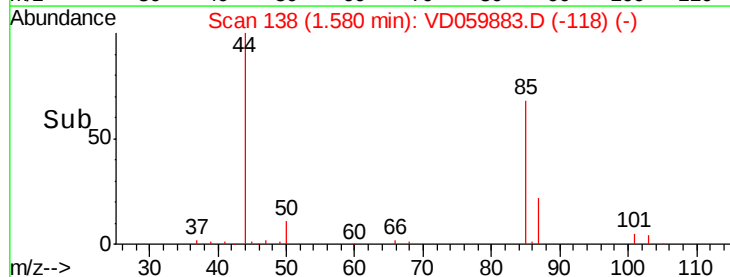
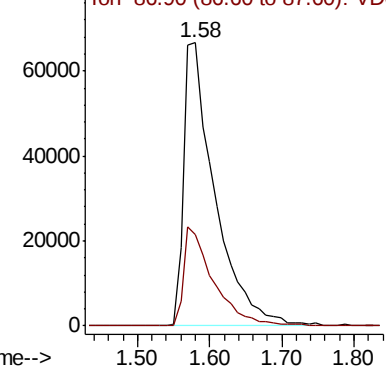
#2

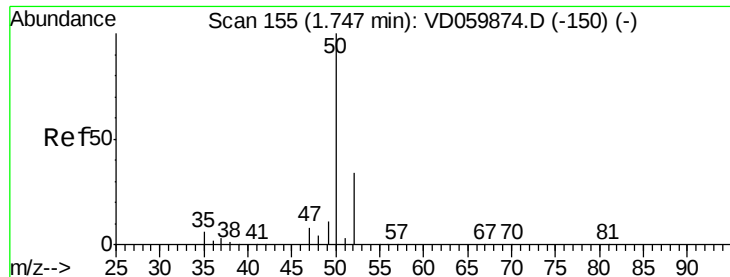
Dichlorodifluoromethane
 Concen: 18.82 ug/l
 RT: 1.58 min Scan# 138
 Delta R.T. 0.00 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion: 85 Resp: 198627
 Ion Ratio Lower Upper
 85 100
 87 32.4 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC





#3

Chloromethane

Concen: 19.67 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 50 Resp: 188062

Ion Ratio Lower Upper

50 100

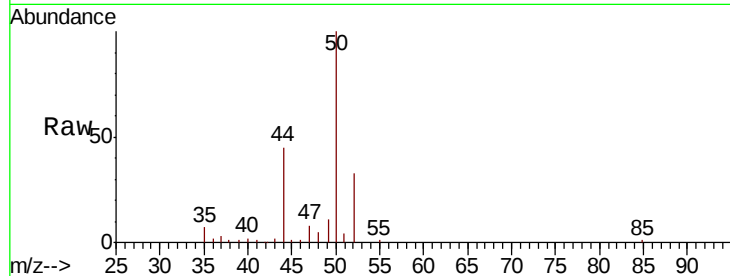
52 32.6 27.0 40.6

Manual Integrations

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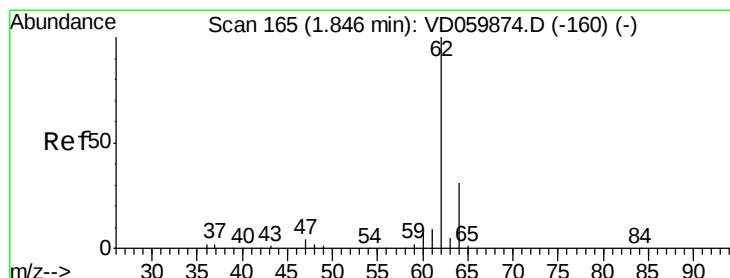
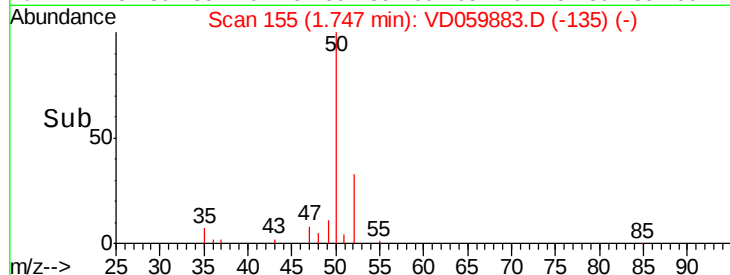
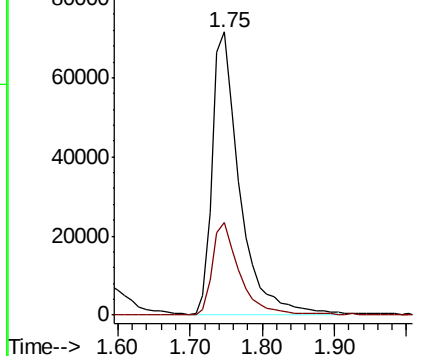
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.90 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059883.D

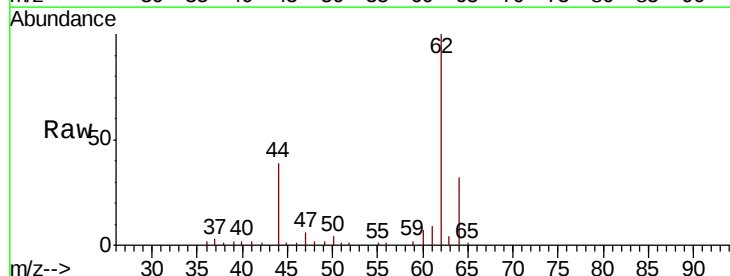
Acq: 23 Aug 2018 12:49

Tgt Ion: 62 Resp: 149156

Ion Ratio Lower Upper

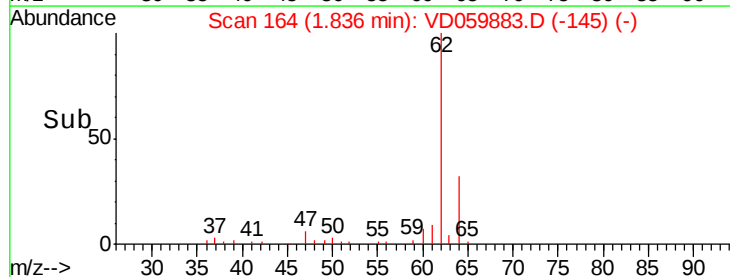
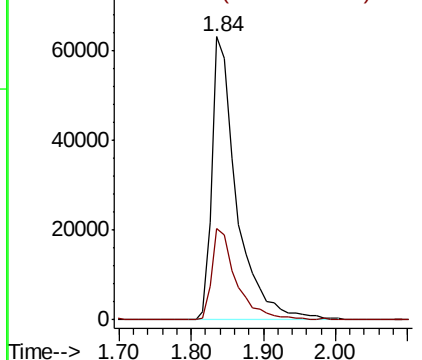
62 100

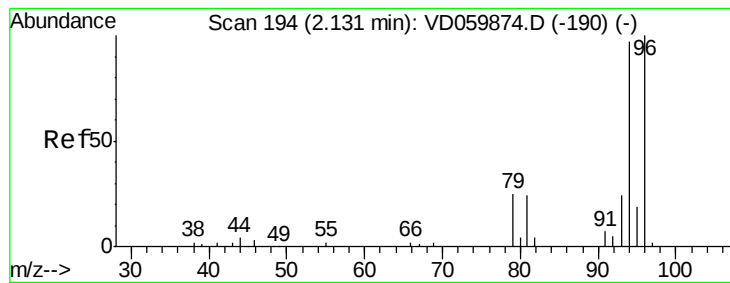
64 32.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 10.12 ug/l

RT: 2.12 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 94 Resp: 13091

Ion Ratio Lower Upper

94 100

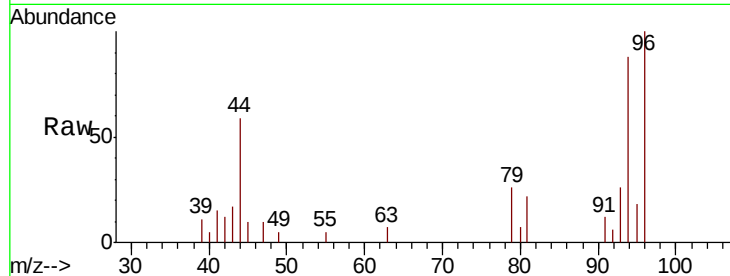
96 113.8 82.4 123.6

Manual Integrations

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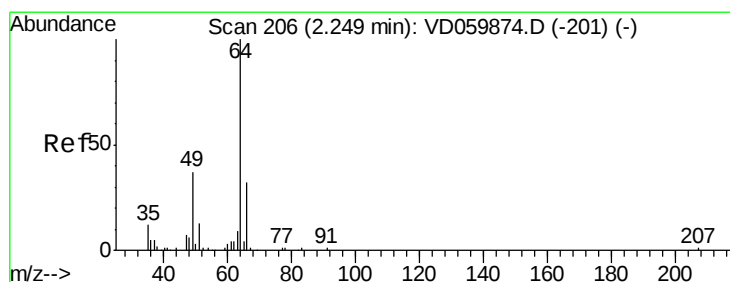
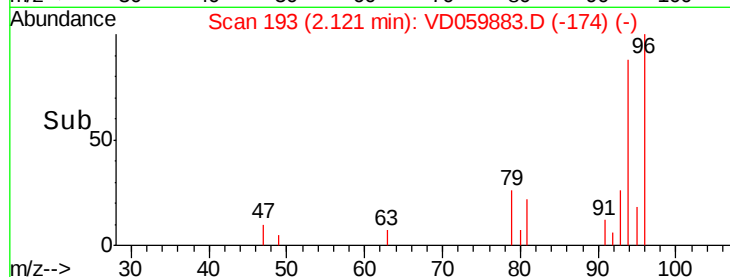
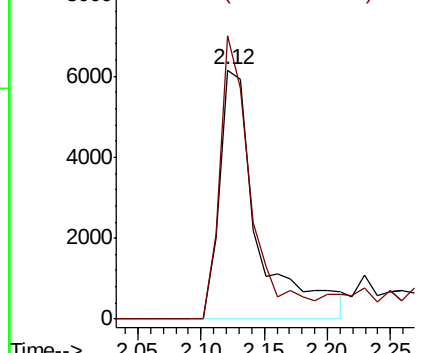
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.68 ug/l

RT: 2.23 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD059883.D

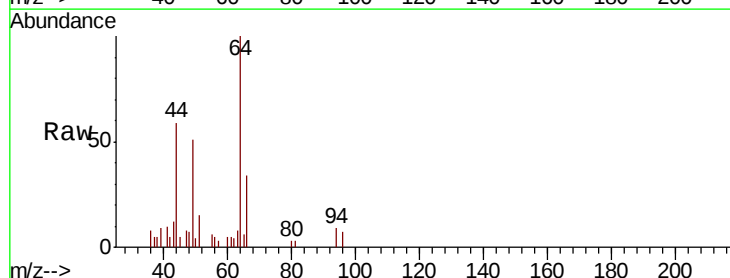
Acq: 23 Aug 2018 12:49

Tgt Ion: 64 Resp: 34583

Ion Ratio Lower Upper

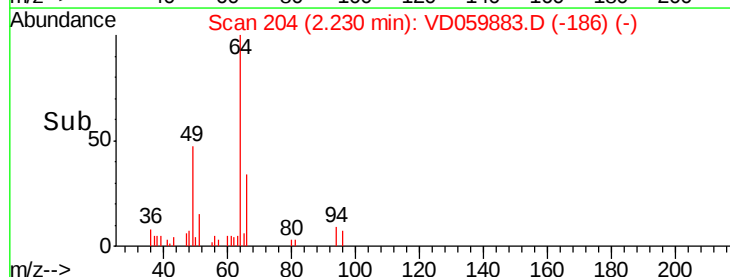
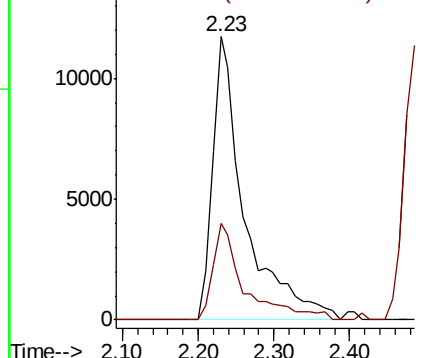
64 100

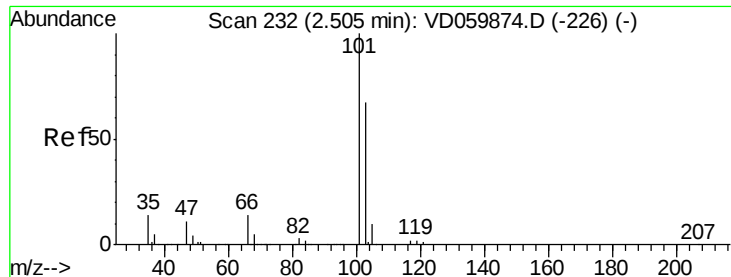
66 34.3 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 19.25 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion:101 Resp: 166942

Ion Ratio Lower Upper

101 100

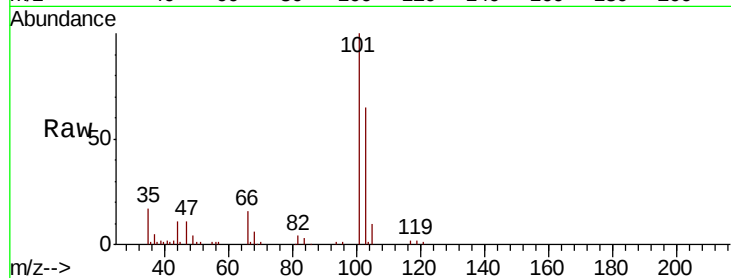
103 65.0 53.7 80.5

Manual Integrations

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.49

80000

60000

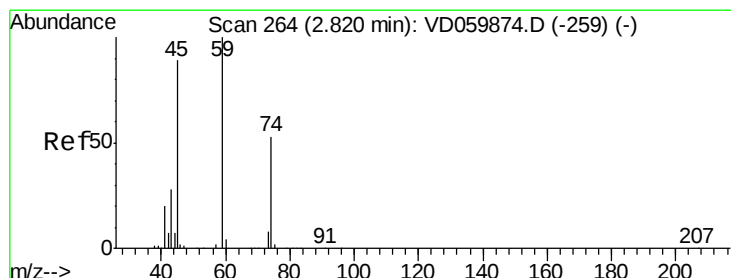
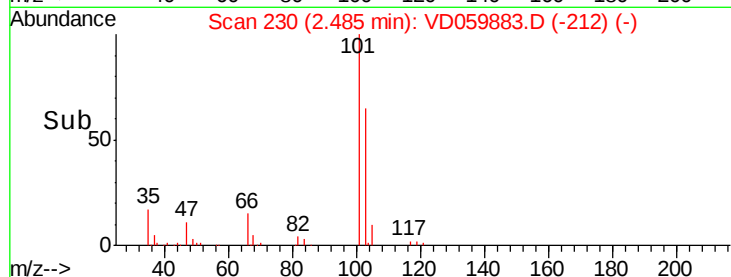
40000

20000

0

Time-->

2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 18.23 ug/l

RT: 2.81 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD059883.D

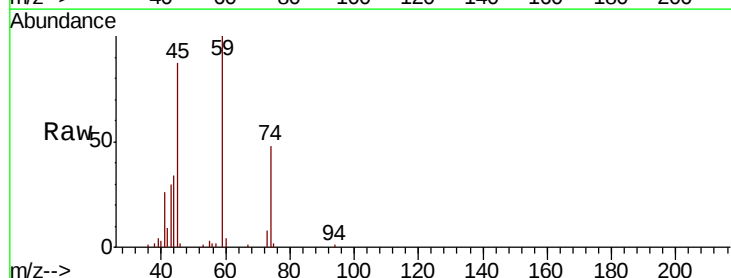
Acq: 23 Aug 2018 12:49

Tgt Ion: 74 Resp: 35460

Ion Ratio Lower Upper

74 100

45 182.2 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

30000

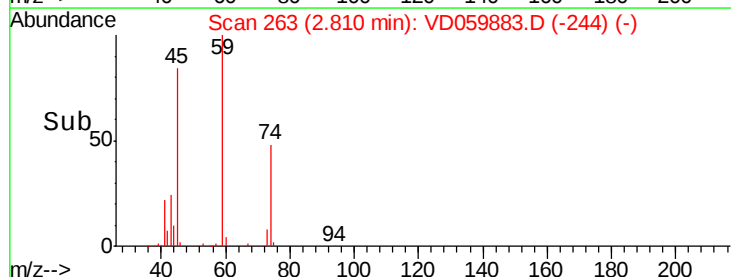
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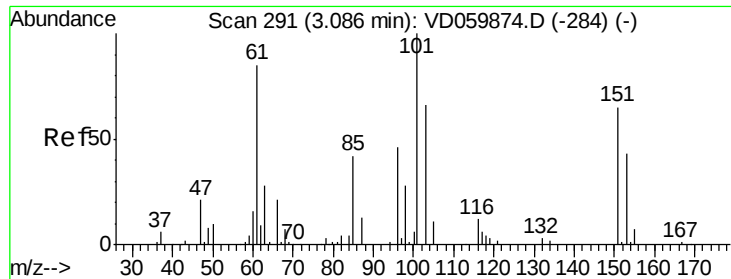
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0

Time-->

2.70 2.80 2.90





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.26 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

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MSVOA_D

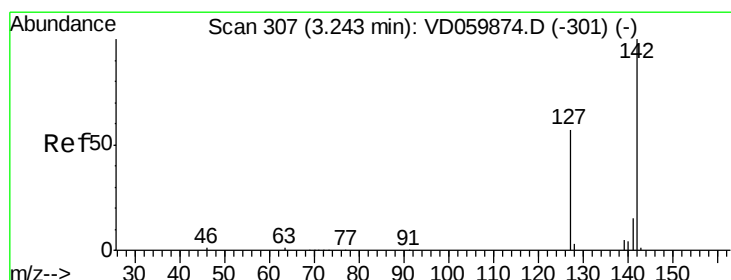
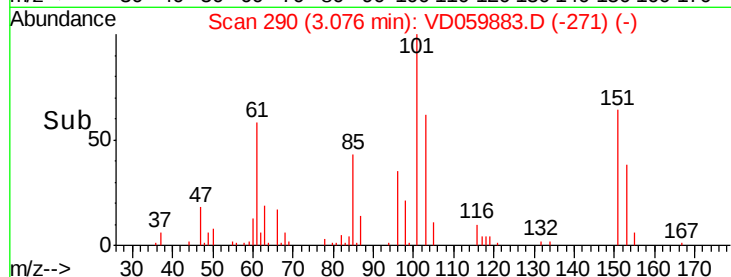
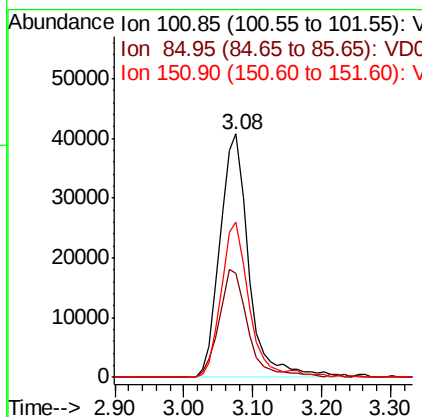
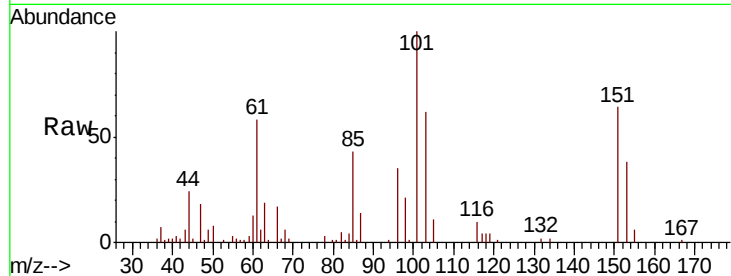
ClientSampleId :

VD0823SBS01

Tot Ion:	101	Resp:	118191
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.6	50.4
151	63.6	52.0	78.0

Manual Integrations
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MMDadoda
8/24/2018 3:09:02 PM



#10

Methyl Iodide

Concen: 18.11 ug/l

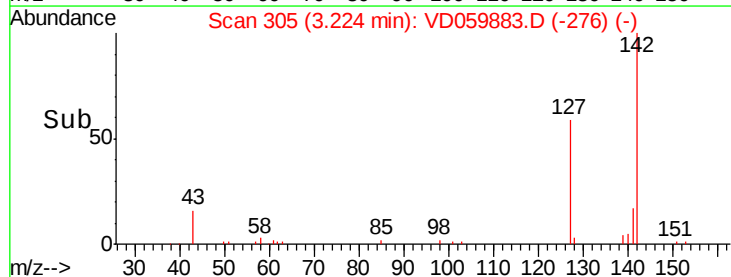
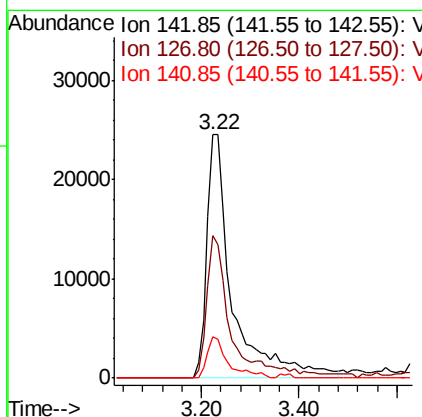
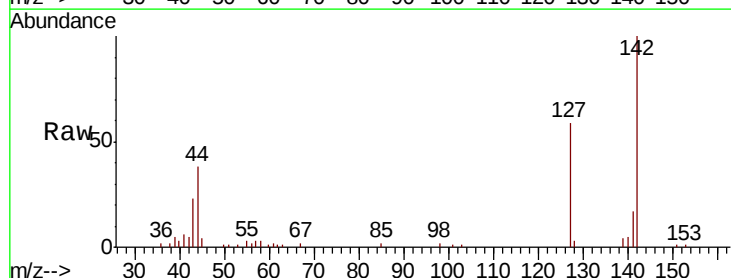
RT: 3.22 min Scan# 305

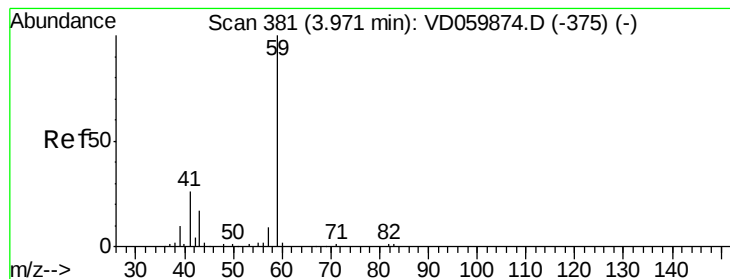
Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Tgt Ion:	142	Resp:	89022
Ion Ratio	Lower	Upper	
142	100		
127	58.8	45.8	68.6
141	17.0	11.6	17.4





#11

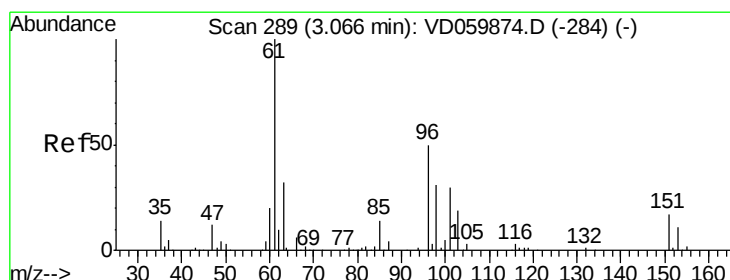
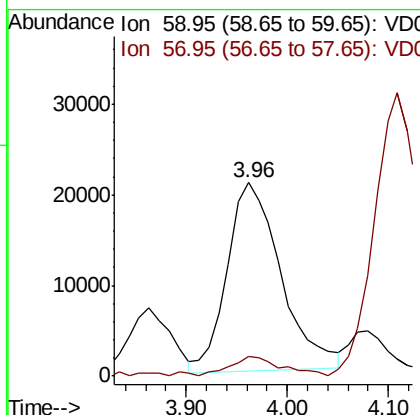
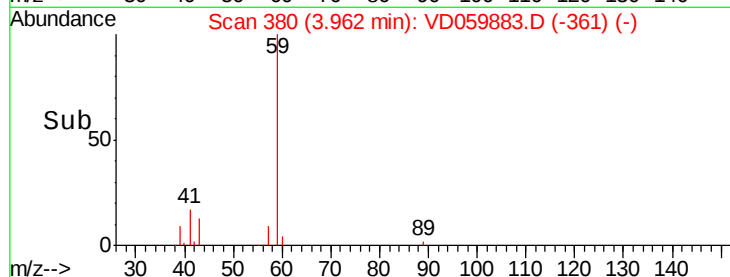
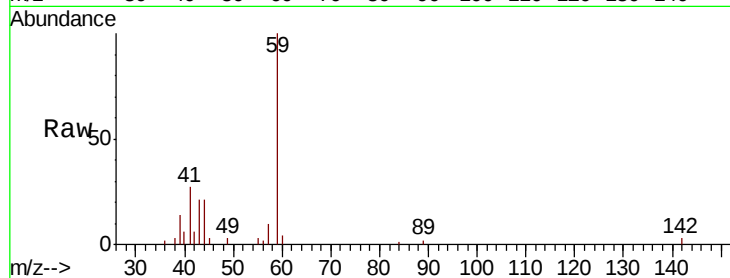
Tert butyl alcohol
Concen: 100.86 ug/l
RT: 3.96 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion: 59 Resp: 76561
Ion Ratio Lower Upper
59 100
57 10.2 7.4 11.0

Manual Integrations
APPROVED

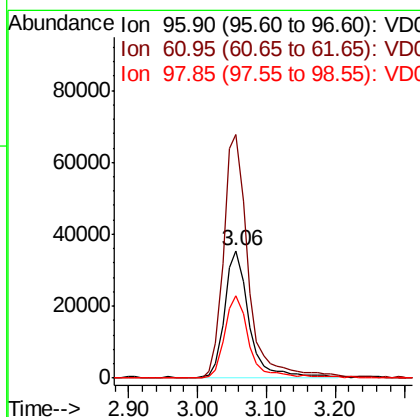
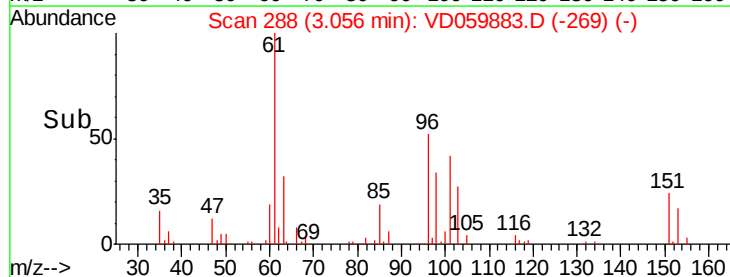
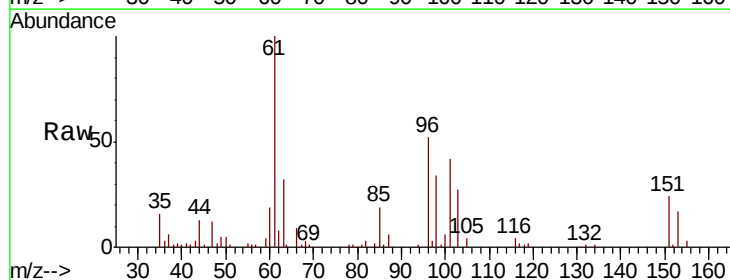
MMDadoda
8/24/2018 3:09:02 PM

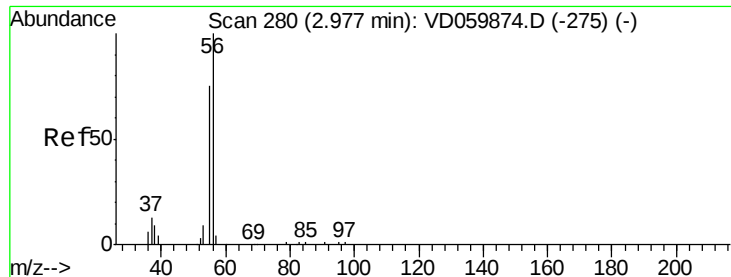


#12

1,1-Dichloroethene
Concen: 21.47 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 96 Resp: 88746
Ion Ratio Lower Upper
96 100
61 190.8 158.8 238.2
98 64.3 48.7 73.1





#13

Acrolein

Concen: 79.73 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 56 Resp: 26252

Ion Ratio Lower Upper

56 100

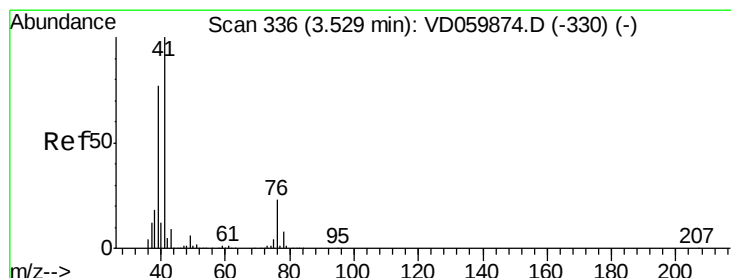
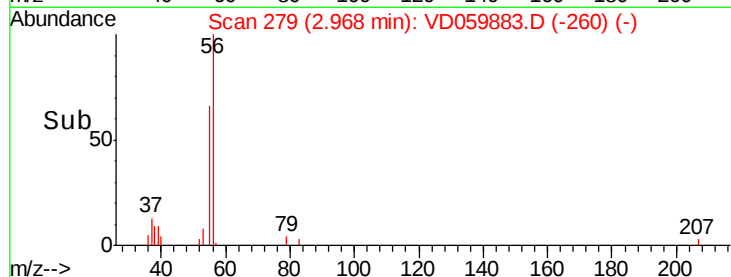
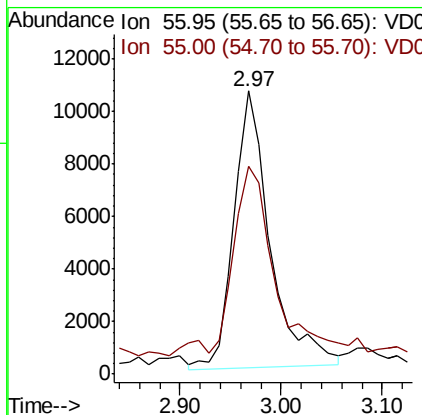
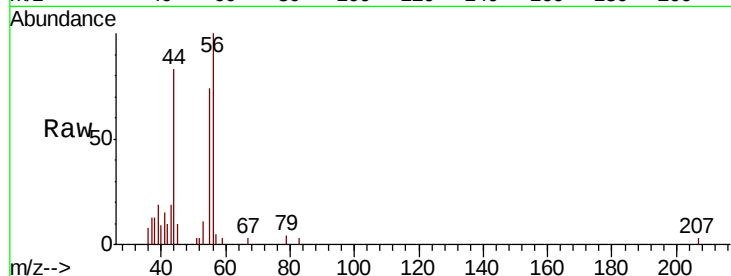
55 73.7 61.9 92.9

Manual Integrations

APPROVED

MMDadoda

8/24/2018 3:09:02 PM



#14

Allyl chloride

Concen: 20.58 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

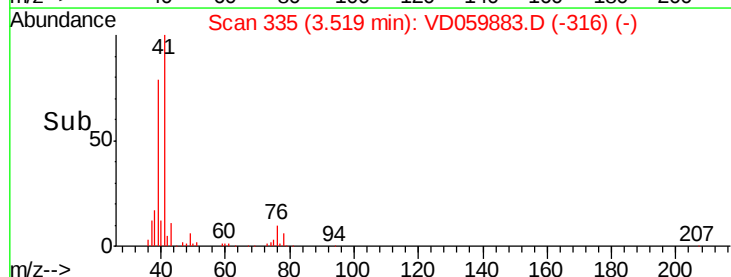
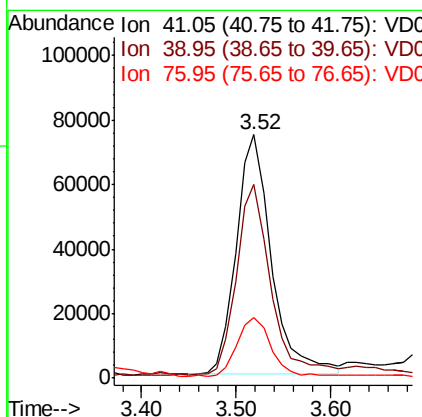
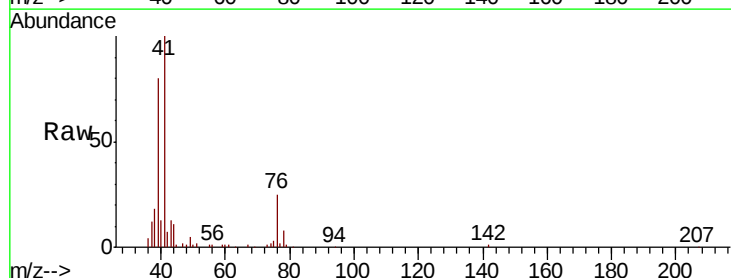
Tgt Ion: 41 Resp: 192461

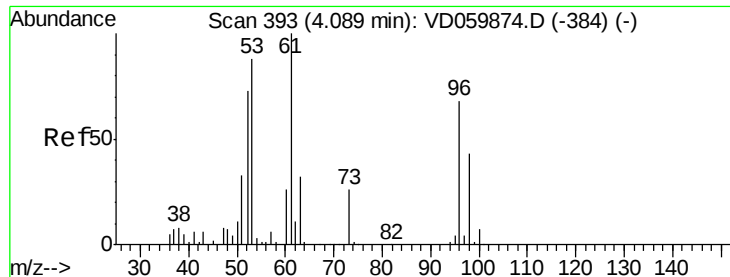
Ion Ratio Lower Upper

41 100

39 79.8 61.8 92.6

76 25.1 19.4 29.2





#15

Acrylonitrile

Concen: 101.02 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

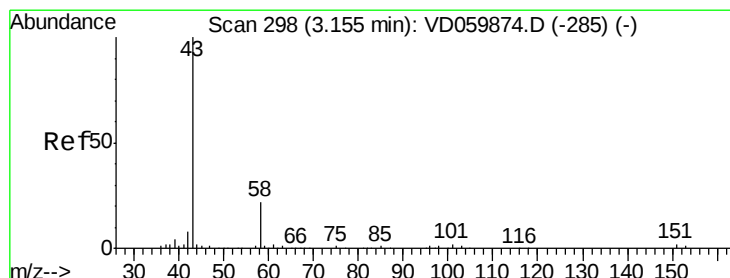
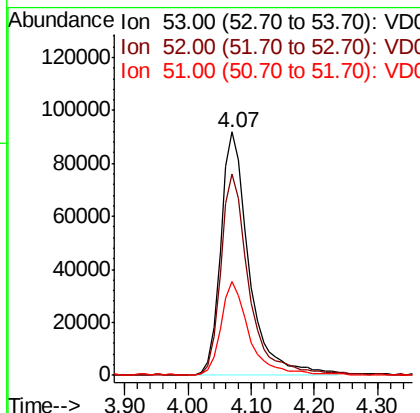
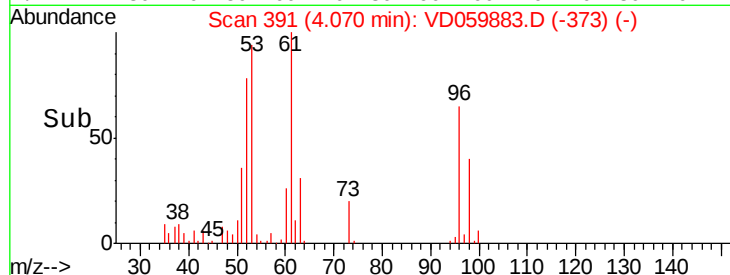
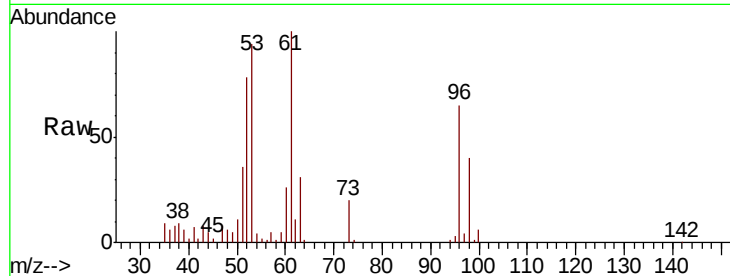
ClientSampleId :

VD0823SBS01

Tot Ion:	53	Resp:	287164
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.9	100.3
51	38.7	30.3	45.5

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 93.53 ug/l

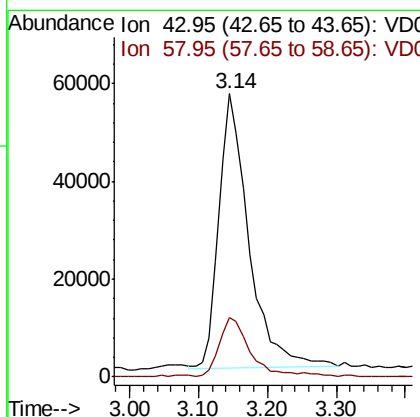
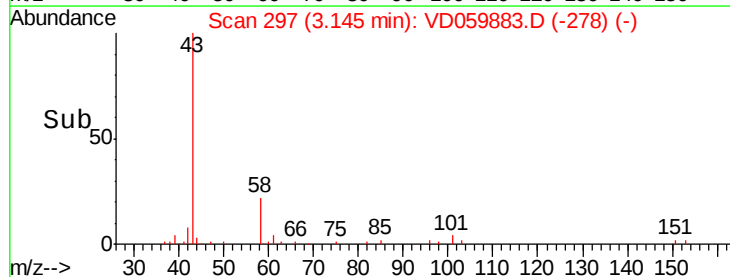
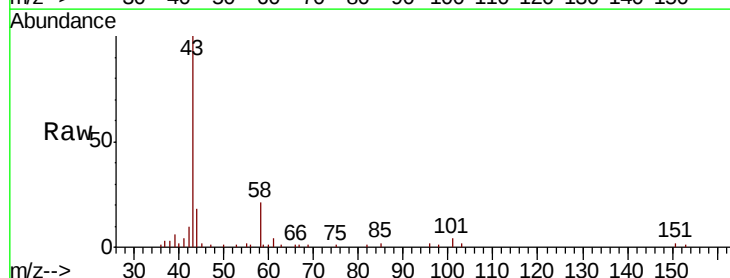
RT: 3.14 min Scan# 297

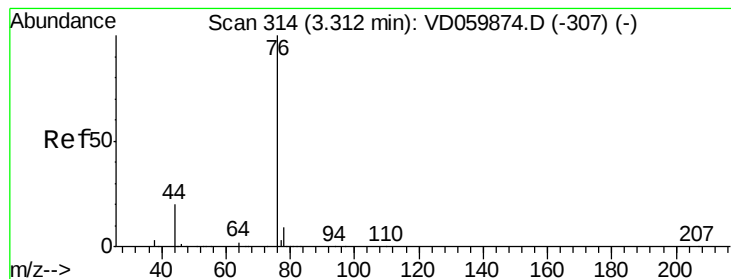
Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Tgt Ion:	43	Resp:	169531
Ion Ratio	Lower	Upper	
43	100		
58	20.9	17.6	26.4





#17

Carbon Disulfide

Concen: 17.14 ug/l

RT: 3.29 min Scan# 312

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 76 Resp: 219880

Ion Ratio Lower Upper

76 100

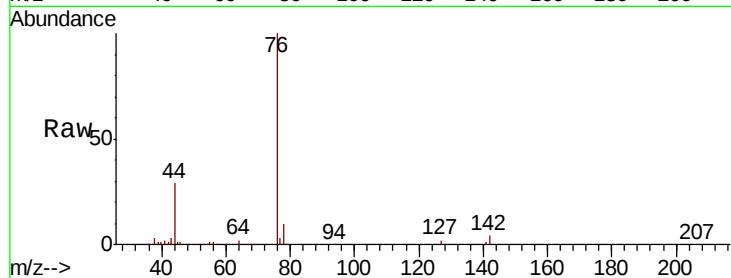
78 9.8 7.4 11.2

Manual Integrations

APPROVED

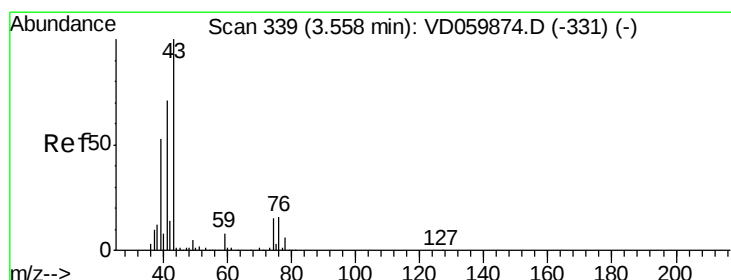
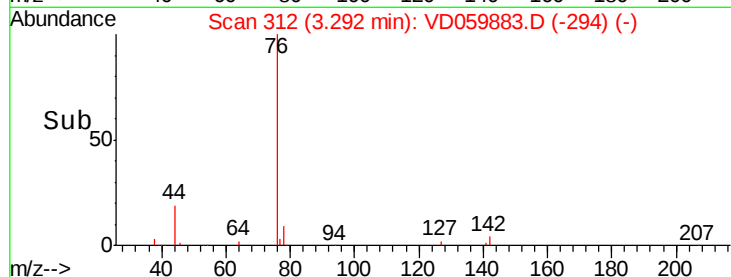
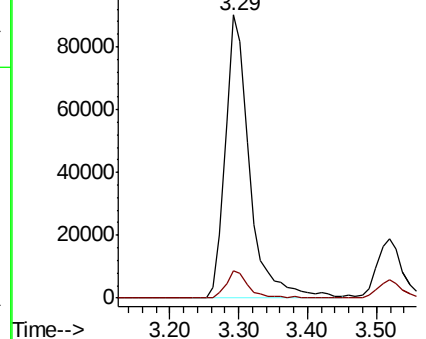
MMDadoda

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.20 ug/l

RT: 3.54 min Scan# 337

Delta R.T. -0.02 min

Lab File: VD059883.D

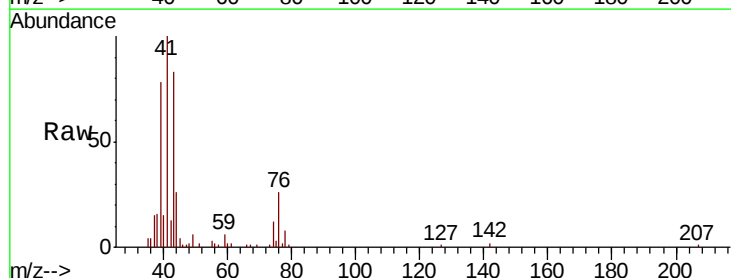
Acq: 23 Aug 2018 12:49

Tgt Ion: 43 Resp: 65084

Ion Ratio Lower Upper

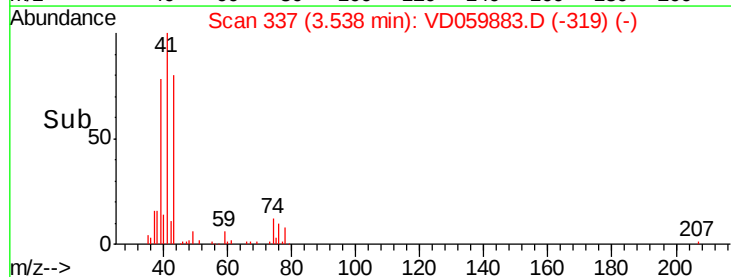
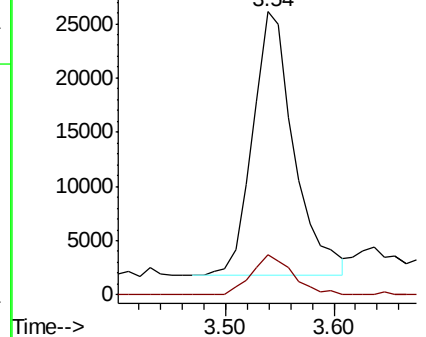
43 100

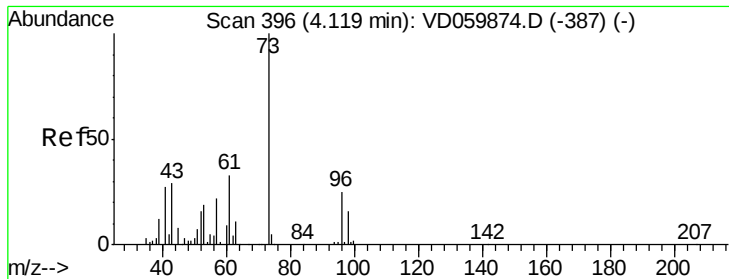
74 14.3 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

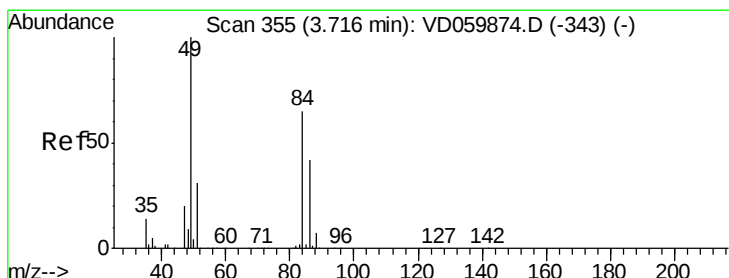
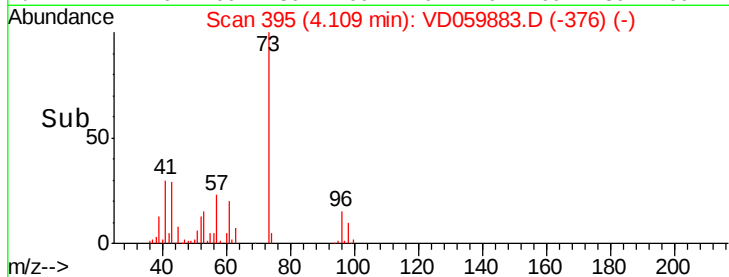
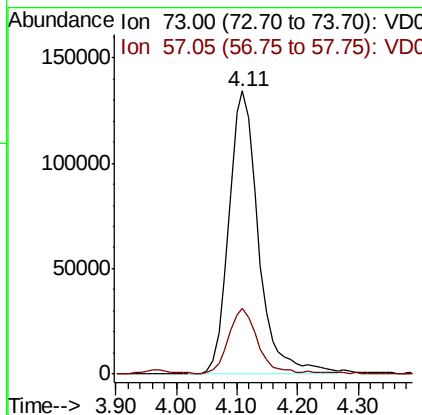
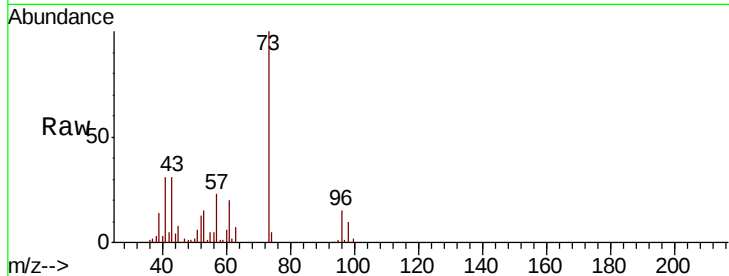
Methyl tert-butyl Ether
 Concen: 19.54 ug/l
 RT: 4.11 min Scan# 395
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.9	26.9

Manual Integrations
 APPROVED

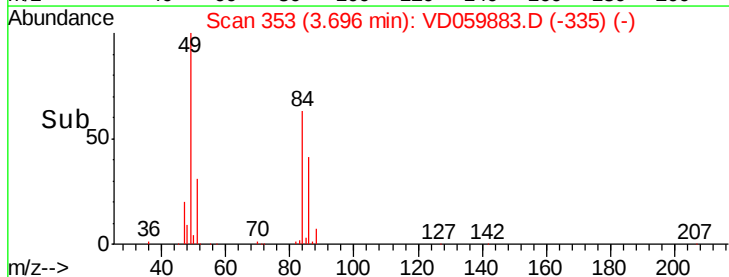
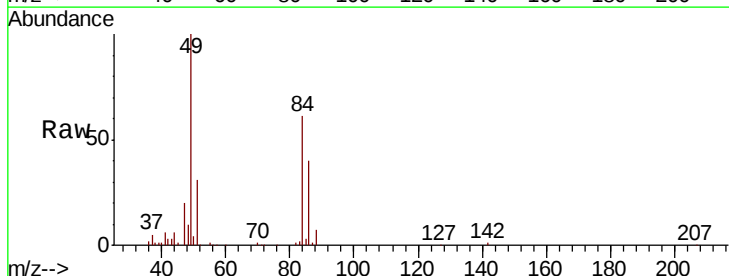
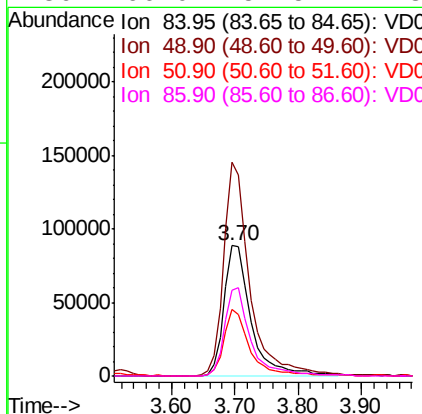
MMDadoda
 8/24/2018 3:09:02 PM

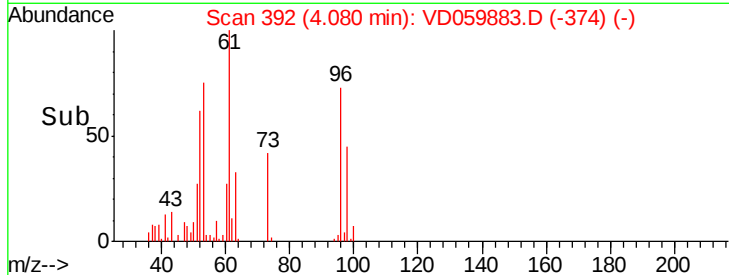
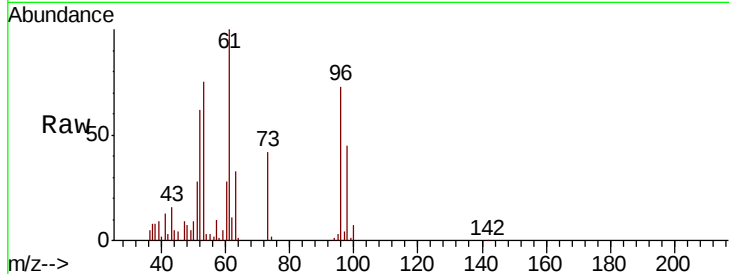
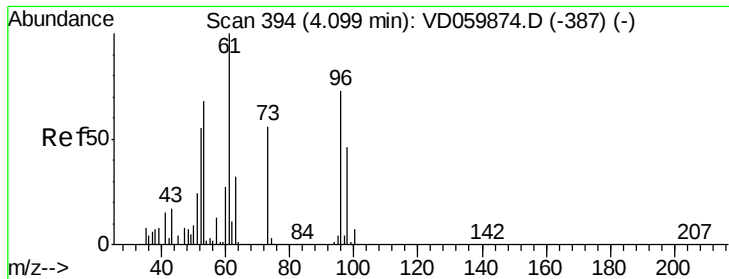


#20

Methylene Chloride
 Concen: 19.69 ug/l
 RT: 3.70 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	164.0	122.6	183.8
51	51.2	38.4	57.6
86	66.0	51.5	77.3





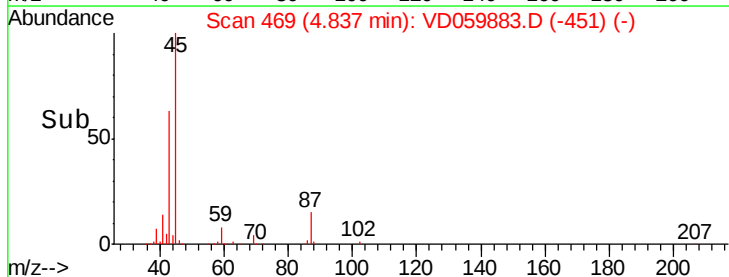
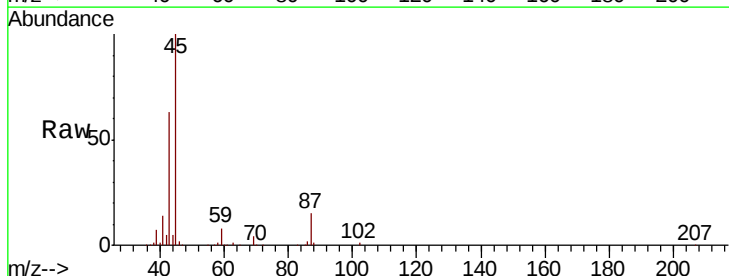
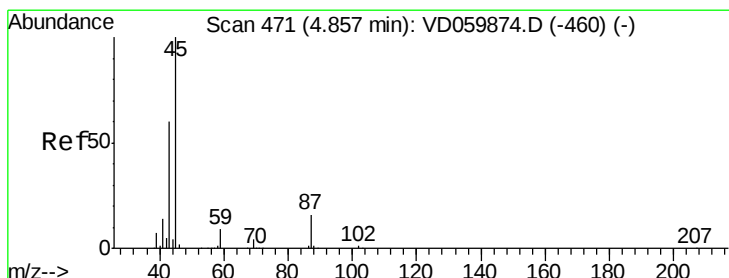
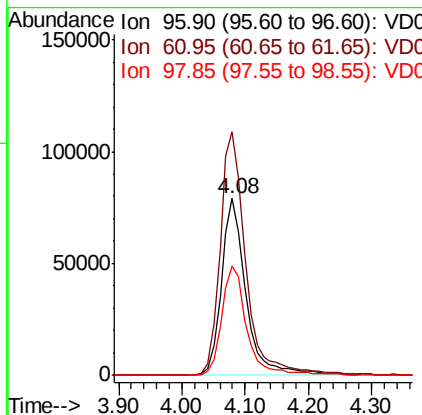
#21
trans-1,2-Dichloroethene
Concen: 18.76 ug/l
RT: 4.08 min Scan# 392
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tot Ion	Ratio	Resp	Lower	Upper
96	100	213621		
61	137.9		110.2	165.4
98	62.0		50.9	76.3

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

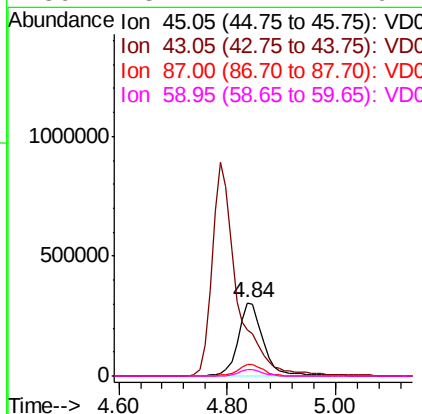
Manual Integrations
APPROVED

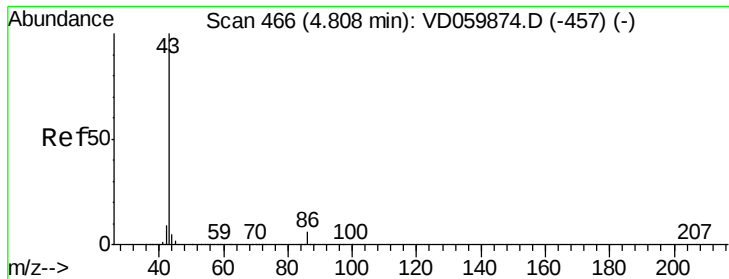
MMDadoda
8/24/2018 3:09:02 PM



#22
Diisopropyl ether
Concen: 20.66 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	985325		
43	63.0		48.6	72.8
87	15.2		13.3	19.9
59	8.4		7.1	10.7





#23

Vinyl Acetate

Concen: 105.34 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleID :

VD0823SBS01

Tot Ion: 43 Resp: 2808519

Ion Ratio Lower Upper

43 100

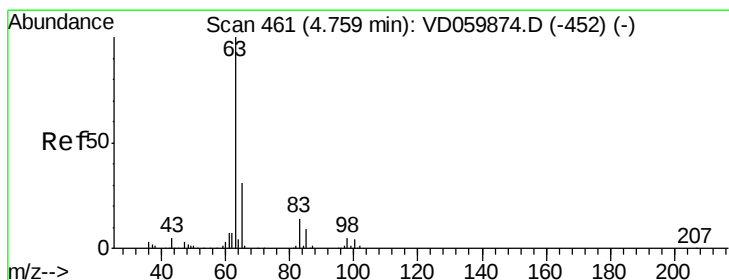
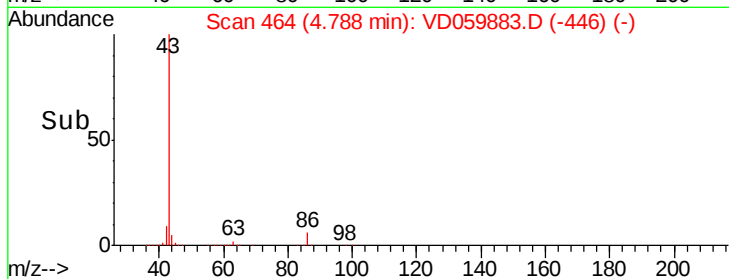
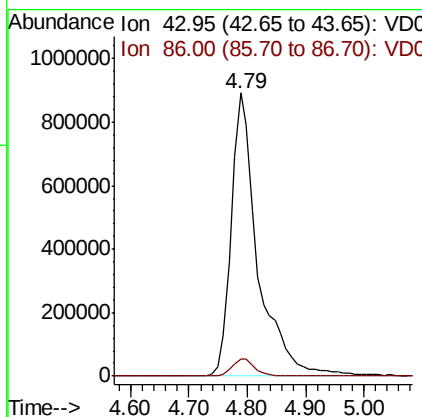
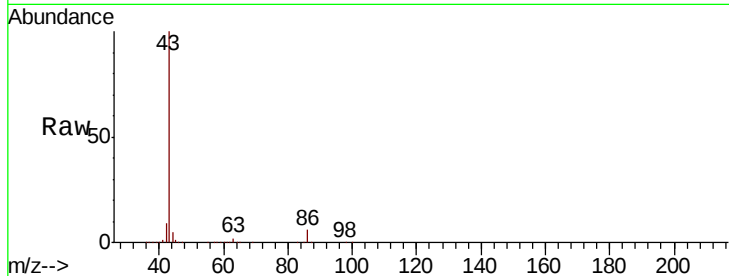
86 6.2 5.0 7.6

Manual Integrations

APPROVED

MMDadoda

8/24/2018 3:09:02 PM



#24

1,1-Dichloroethane

Concen: 20.06 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

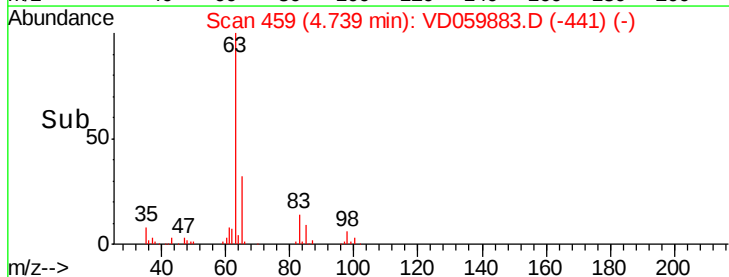
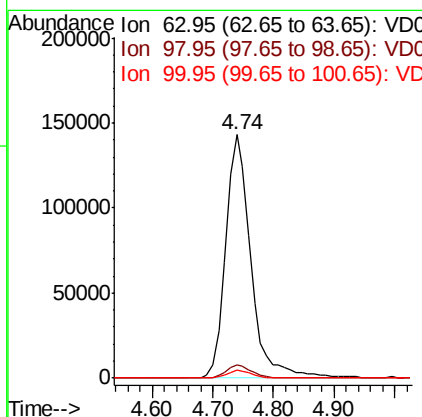
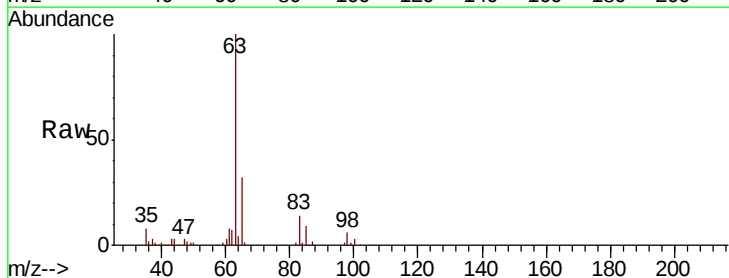
Tgt Ion: 63 Resp: 413322

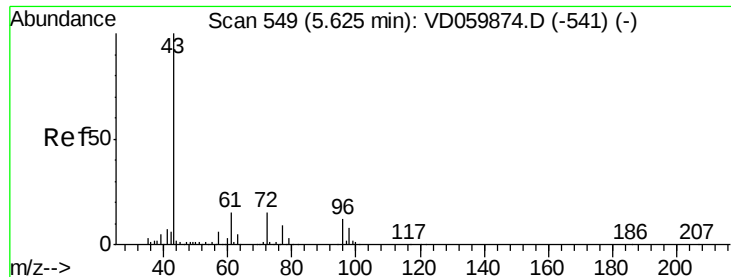
Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 86.67 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 43 Resp: 465267

Ion Ratio Lower Upper

43 100

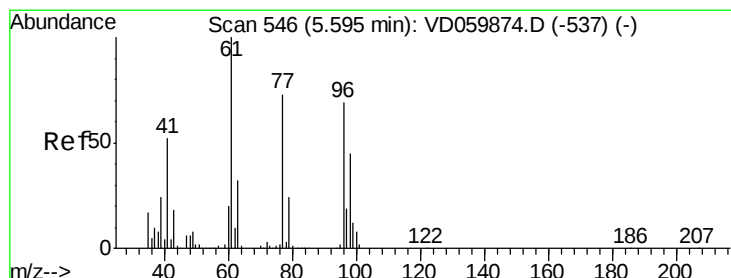
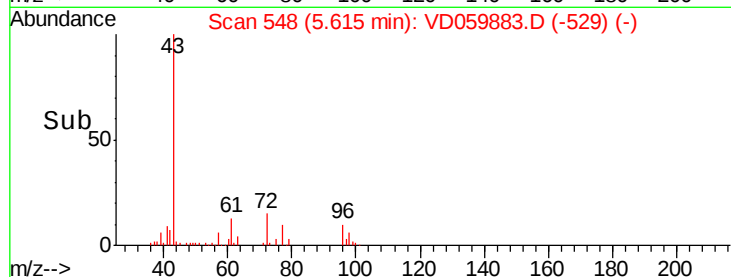
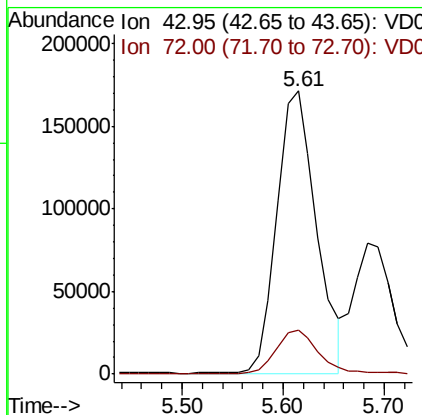
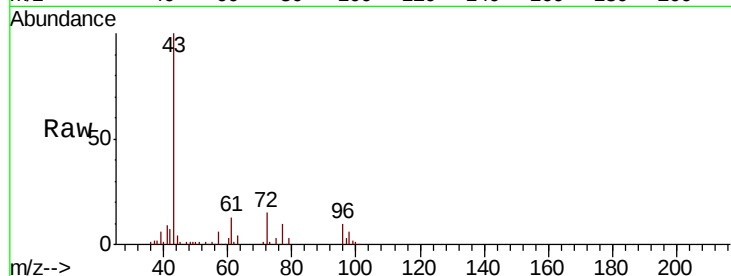
72 15.4 12.3 18.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.43 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059883.D

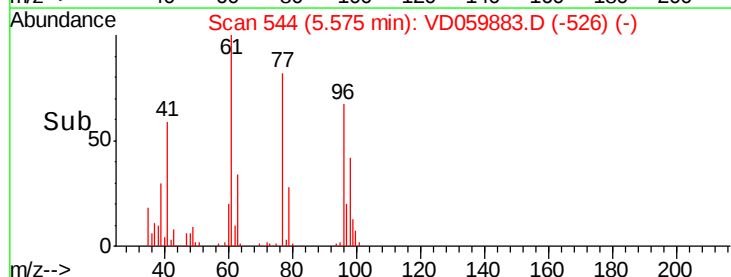
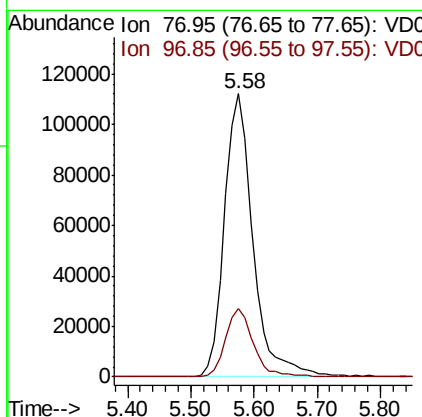
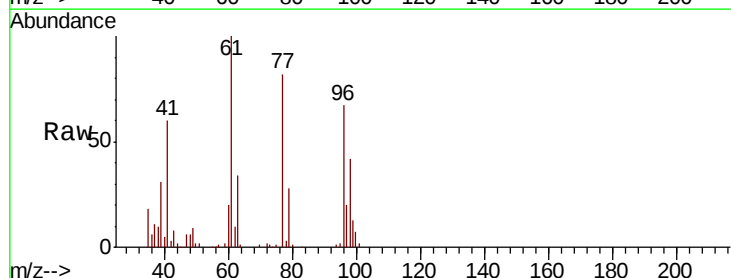
Acq: 23 Aug 2018 12:49

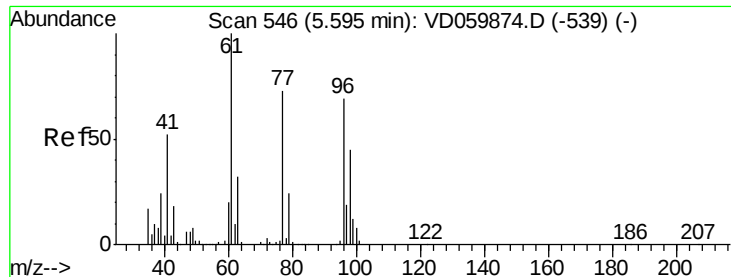
Tgt Ion: 77 Resp: 351916

Ion Ratio Lower Upper

77 100

97 24.3 13.0 38.9





#27

cis-1,2-Dichloroethene

Concen: 20.21 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

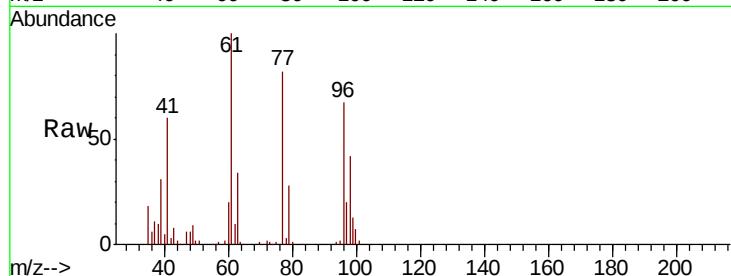
ClientSampleId :

VD0823SBS01

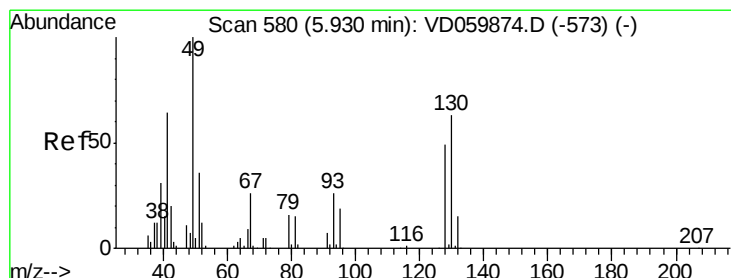
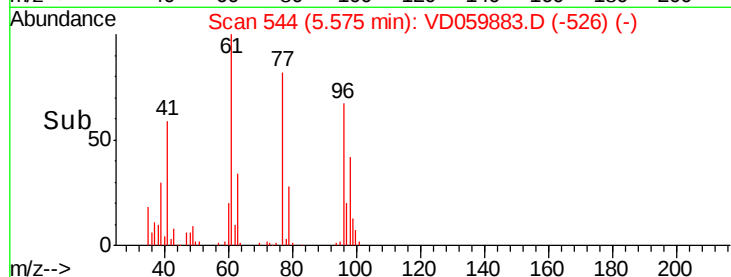
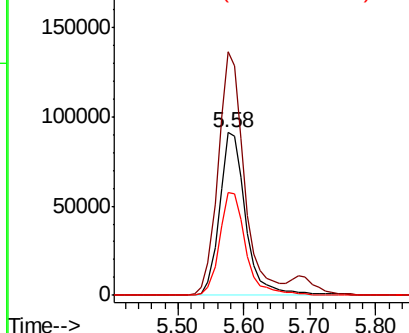
Tot Ion:	96	Resp:	251979
Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	290.2
98	63.4	0.0	130.4

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 21.05 ug/l

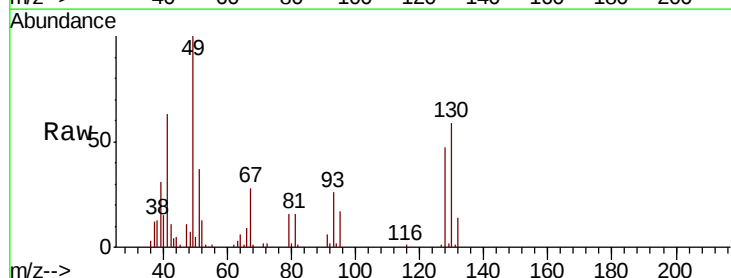
RT: 5.91 min Scan# 578

Delta R.T. -0.02 min

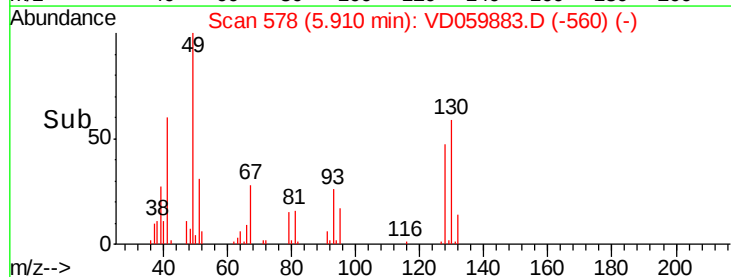
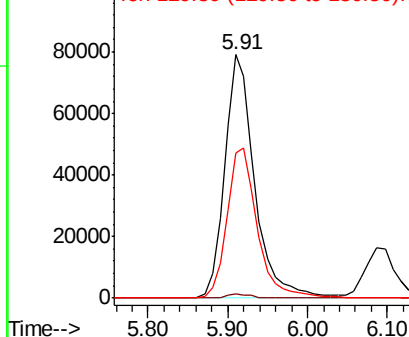
Lab File: VD059883.D

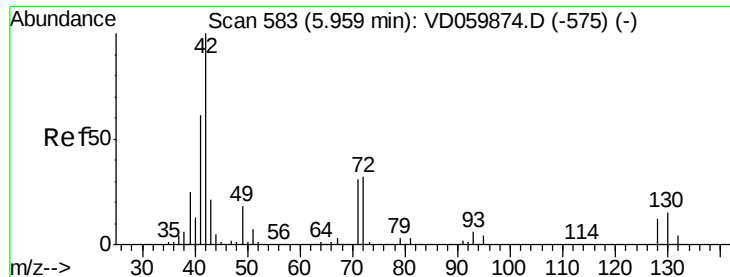
Acq: 23 Aug 2018 12:49

Tgt Ion:	49	Resp:	207827
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	59.4	50.6	75.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





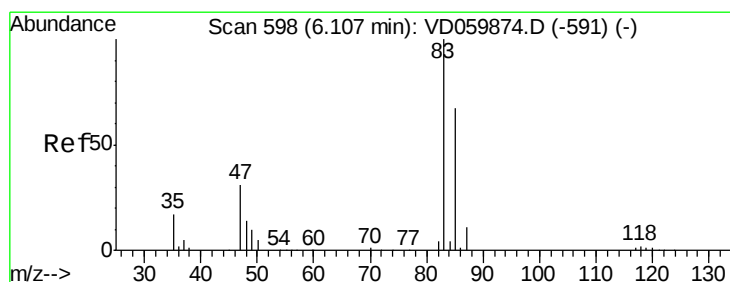
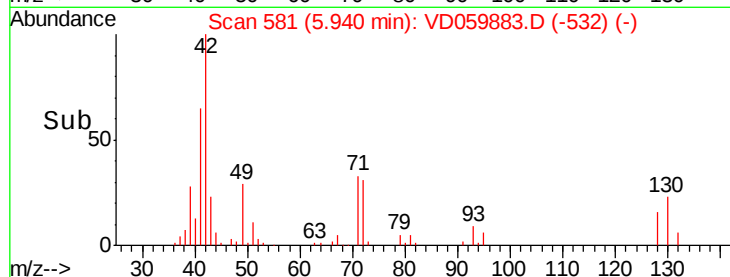
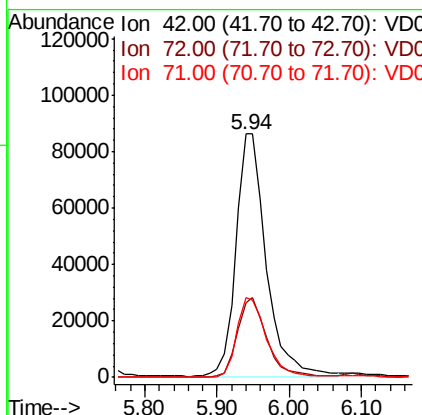
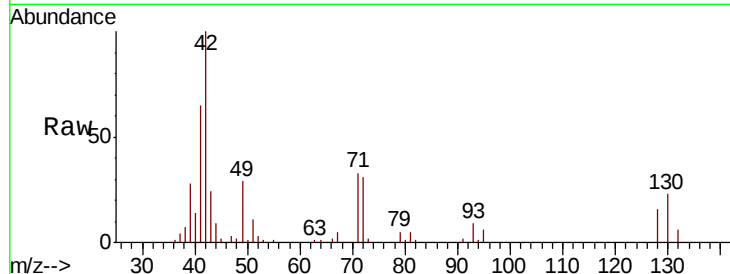
#29
Tetrahydrofuran
Concen: 99.92 ug/l
RT: 5.94 min Scan# 581
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.8	25.7	38.5
71	32.0	25.3	37.9

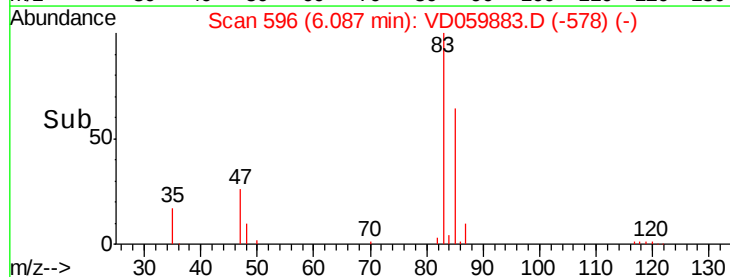
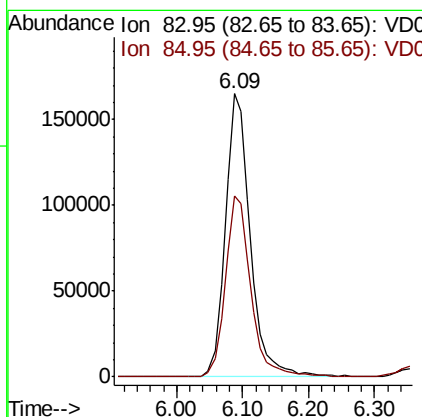
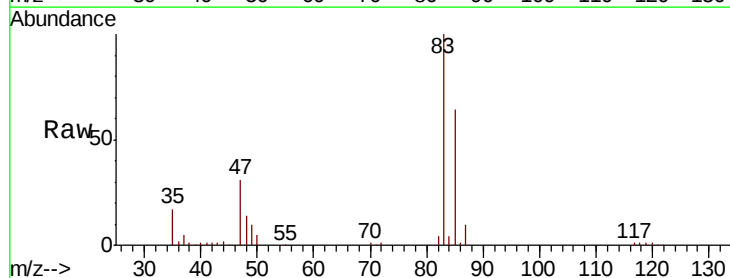
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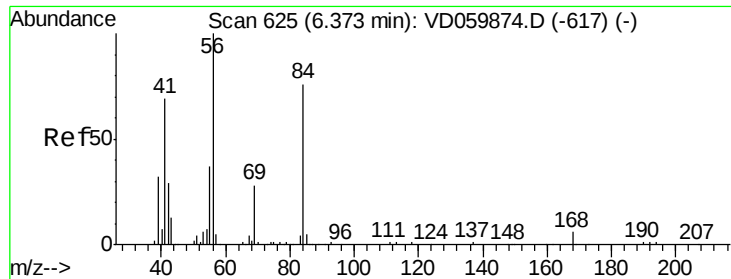
MMDadoda
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#30
Chloroform
Concen: 20.85 ug/l
RT: 6.09 min Scan# 596
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.5	80.3





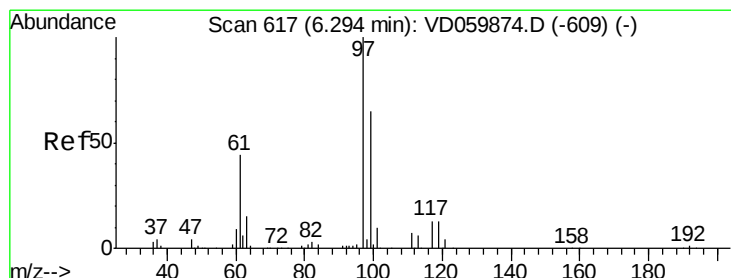
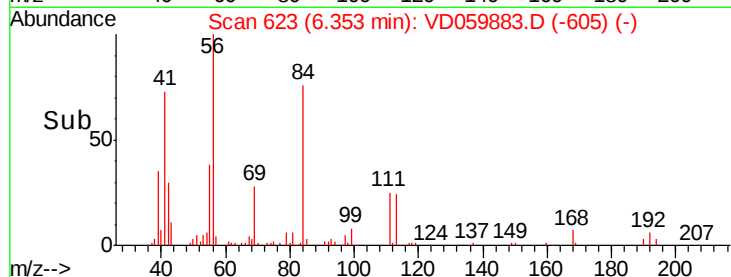
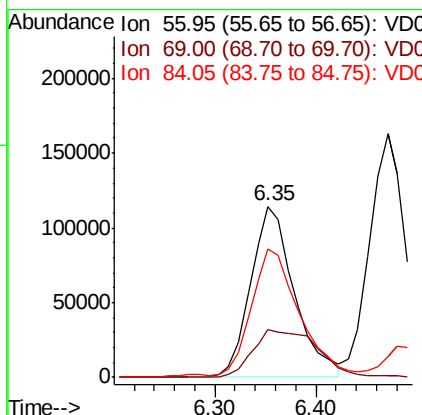
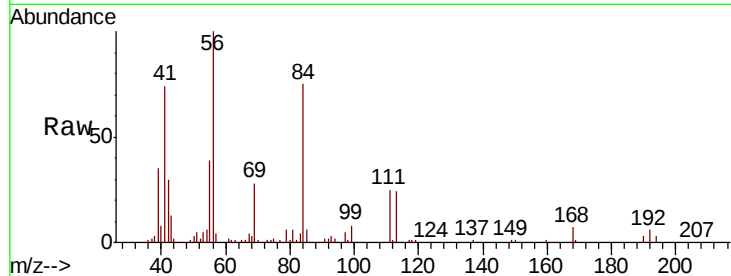
#31
Cvclohexane
Concen: 18.14 ug/l
RT: 6.35 min Scan# 623
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.4	33.6
84	75.4	62.1	93.1

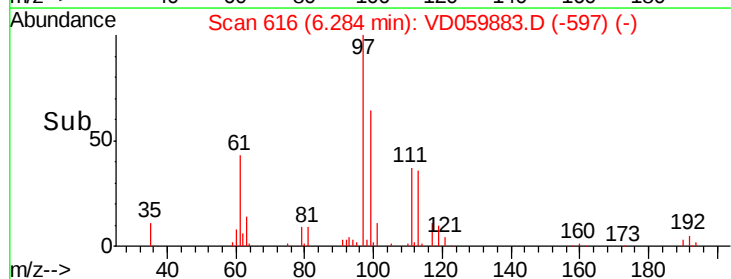
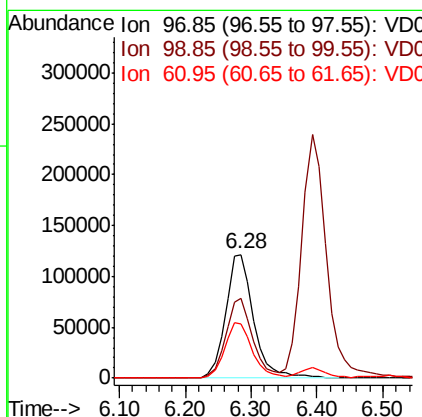
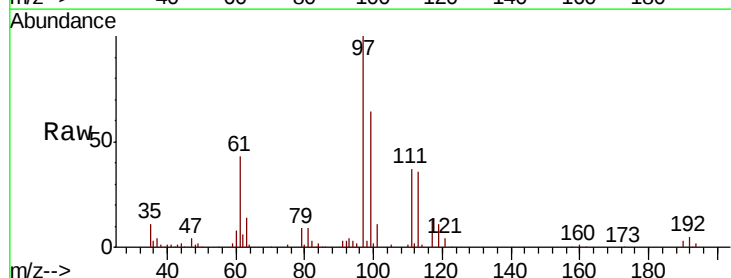
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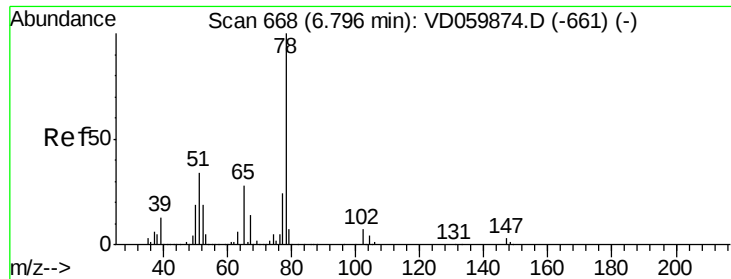
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.25 ug/l
RT: 6.28 min Scan# 616
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	43.4	35.4	53.2





#33

1,2-Dichloroethane-d4

Concen: 20.25 ug/l

RT: 6.78 min Scan# 666

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 65 Resp: 509194

Ion Ratio Lower Upper

65 100

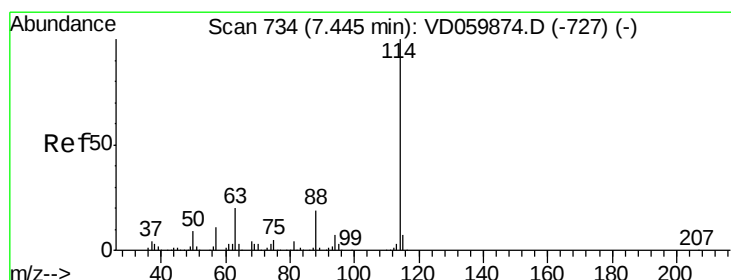
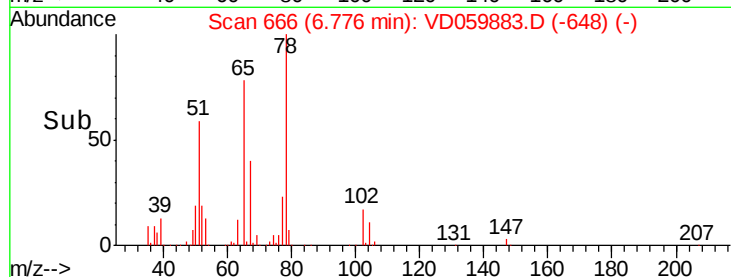
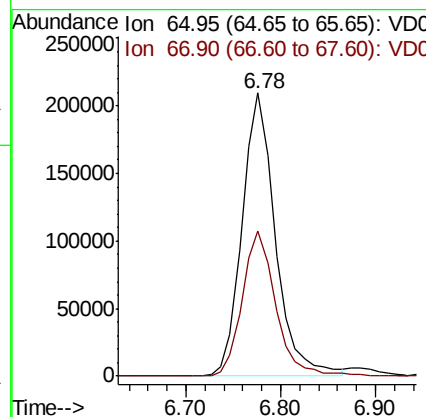
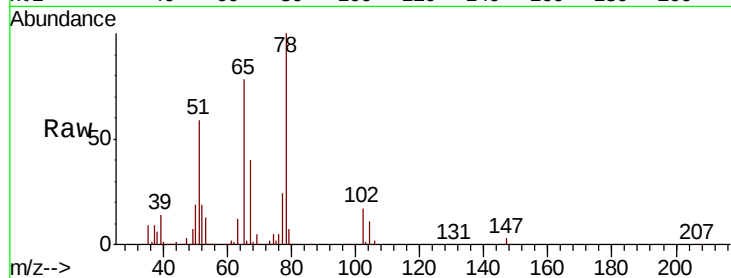
67 51.2 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 733

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

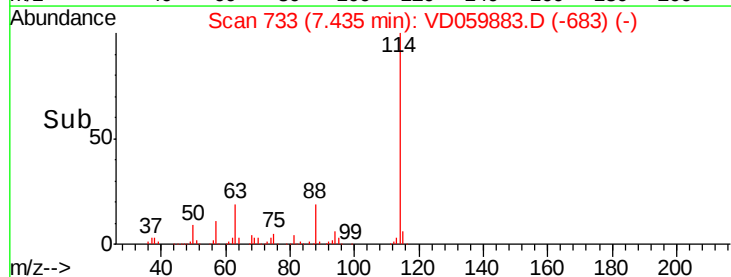
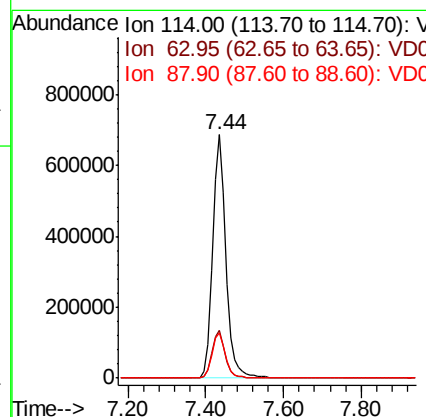
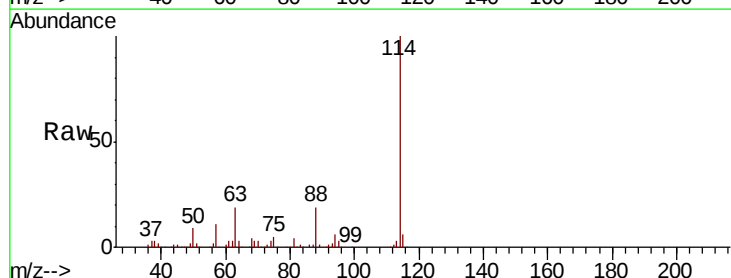
Tgt Ion: 114 Resp: 1616761

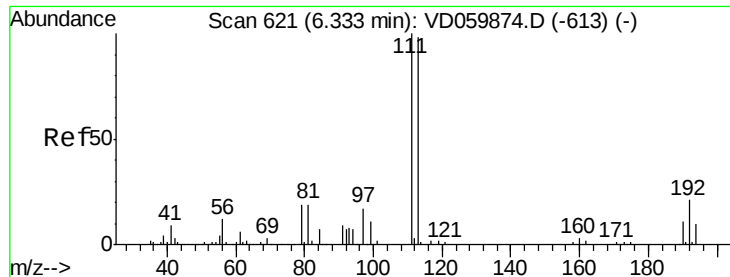
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.4

88 18.7 0.0 37.6





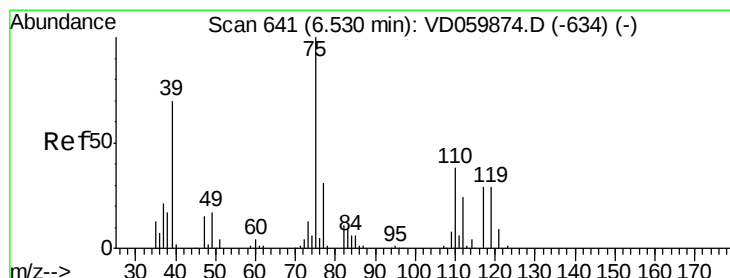
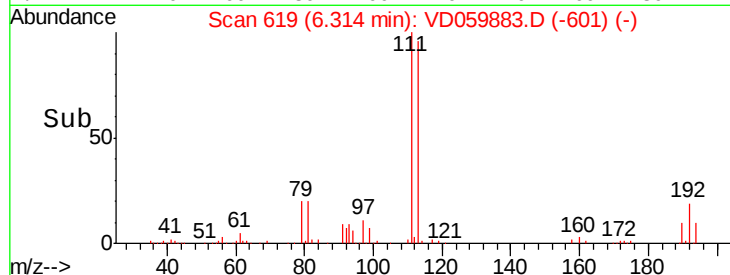
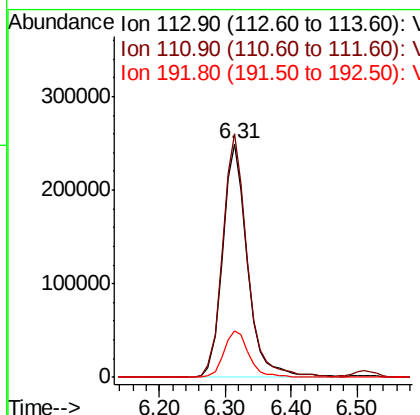
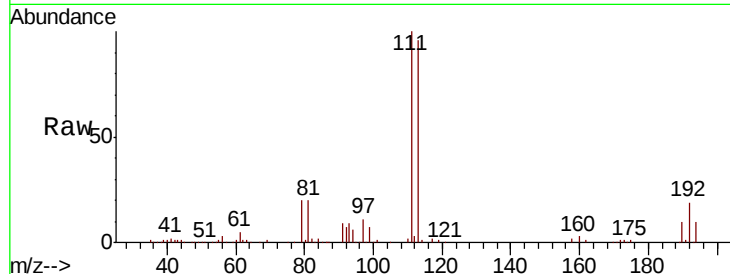
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	655913		
111	104.0	81.4	122.2	
192	19.9	17.0	25.6	

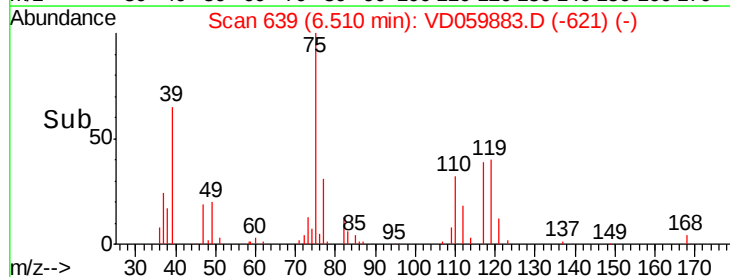
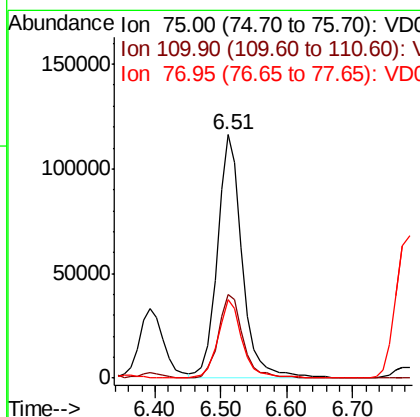
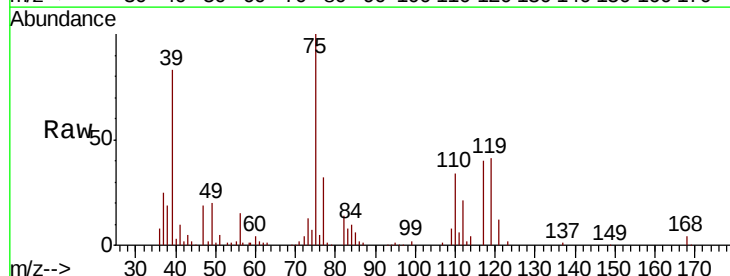
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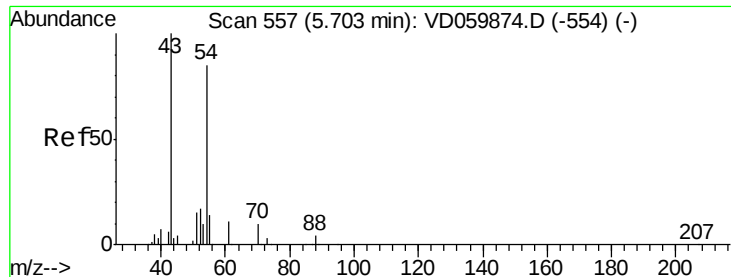
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#36
 1,1-Dichloropropene
 Concen: 20.42 ug/l
 RT: 6.51 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	299275		
110	34.4	18.6	56.0	
77	32.2	25.1	37.7	





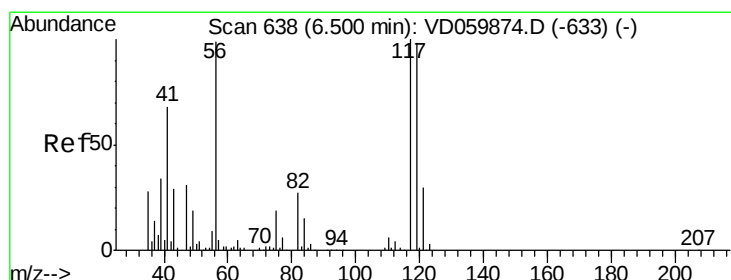
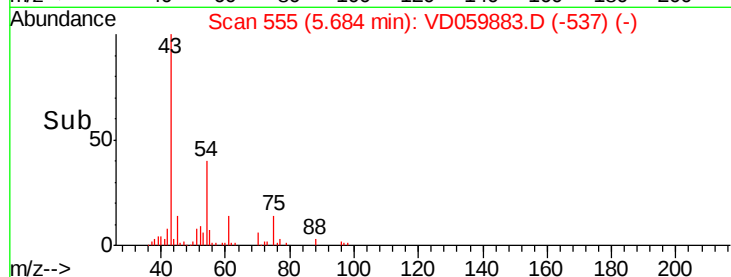
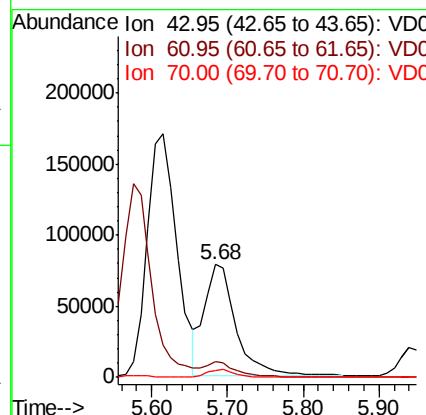
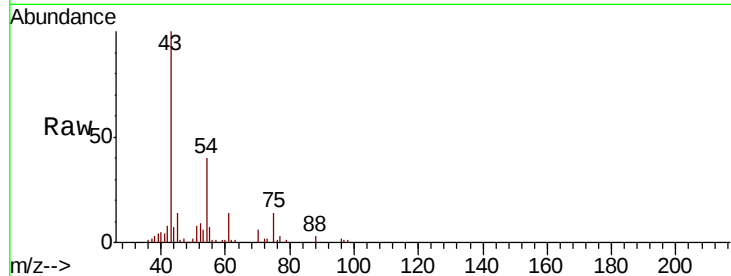
#37
Ethyl Acetate
Concen: 19.98 ug/l
RT: 5.68 min Scan# 555
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.6
70	6.2	5.7	8.5

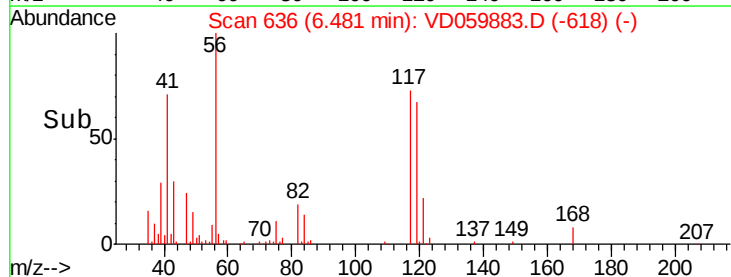
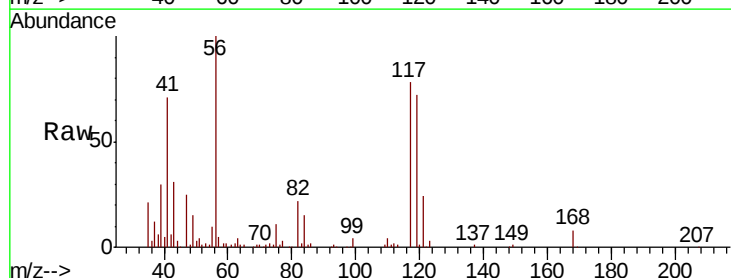
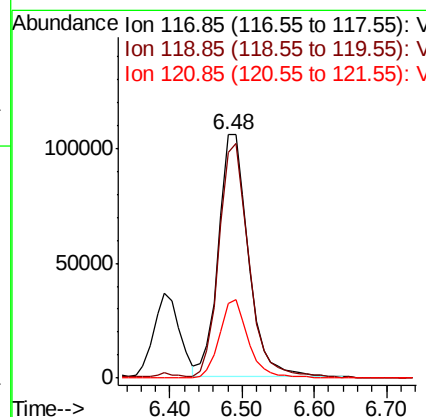
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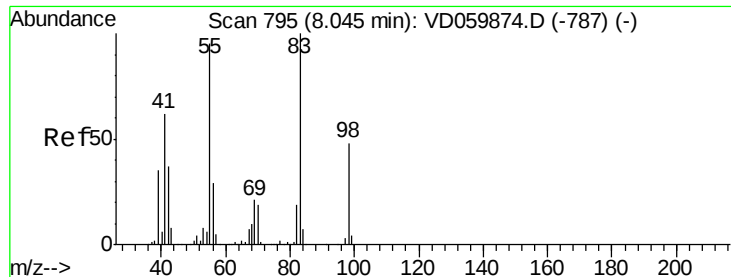
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#38
Carbon Tetrachloride
Concen: 20.59 ug/l
RT: 6.48 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.2	115.8
121	30.5	24.0	36.0





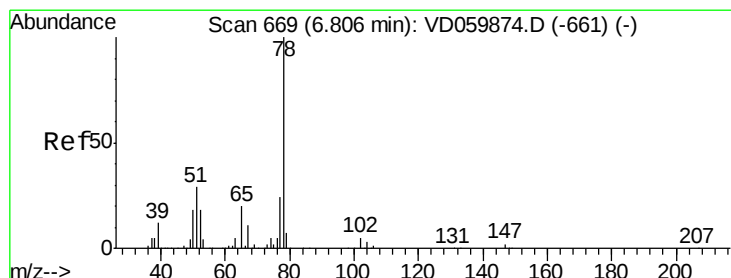
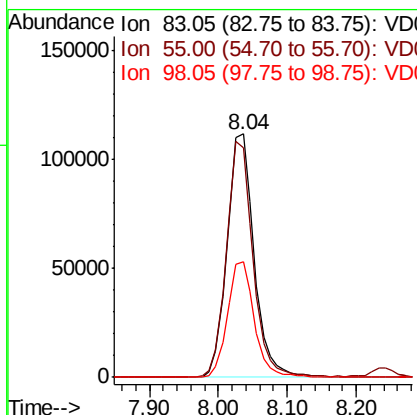
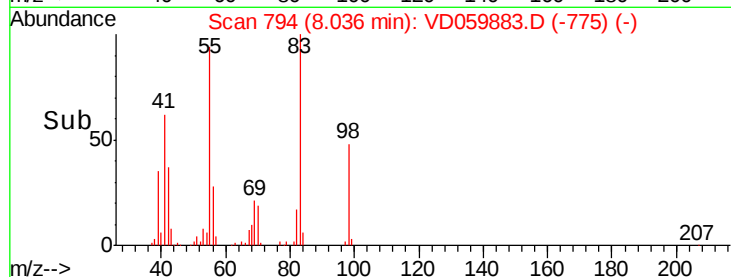
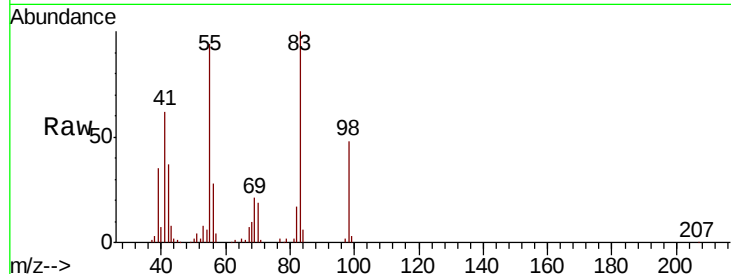
#39
Methvlcvclohexane
Concen: 19.21 ug/l
RT: 8.04 min Scan# 794
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.4	75.8	113.6
98	47.7	38.3	57.5

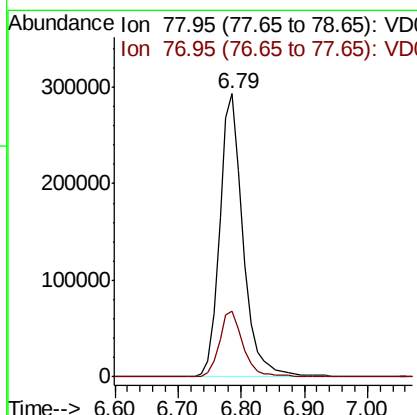
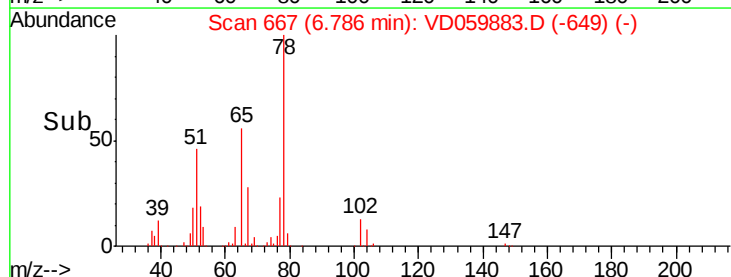
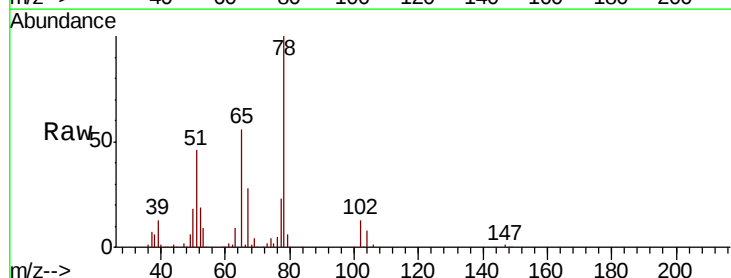
Manual Integrations
APPROVED

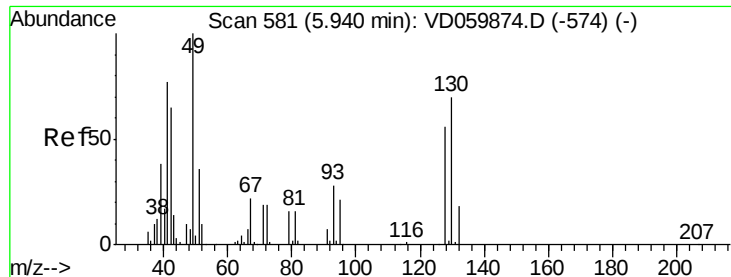
MMDadoda
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#40
Benzene
Concen: 19.82 ug/l
RT: 6.79 min Scan# 667
Delta R.T. -0.02 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





#41

Methacrylonitrile

Concen: 19.25 ug/l m

RT: 5.91 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 41 Resp: 110567

Ion Ratio Lower Upper

41 100

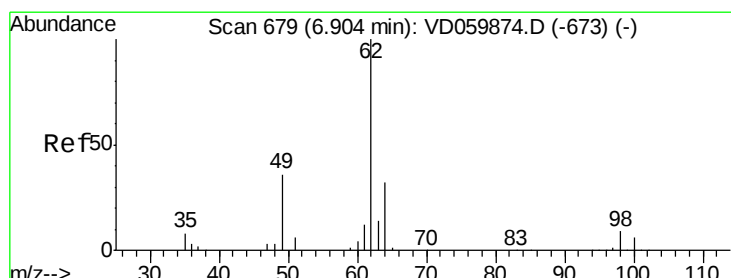
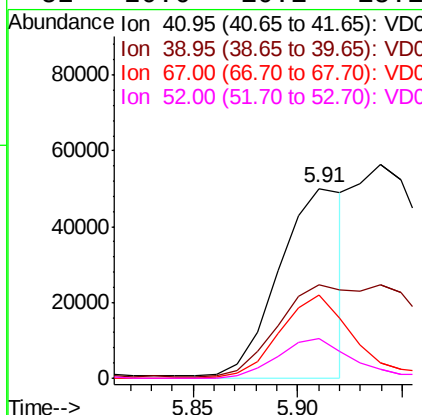
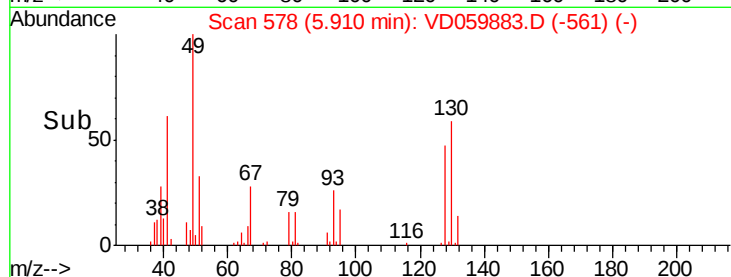
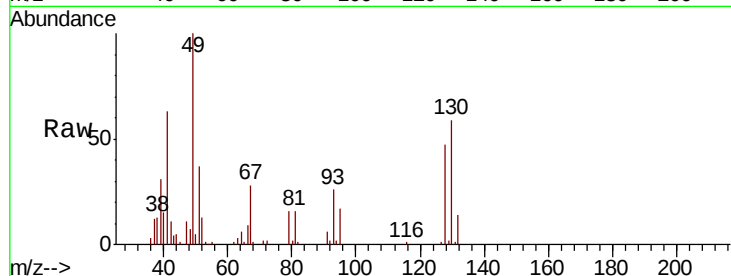
39 49.2 39.4 59.2

67 43.6 22.2 33.2#

52 20.6 10.1 15.1#

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#42

1,2-Dichloroethane

Concen: 20.77 ug/l

RT: 6.88 min Scan# 677

Delta R.T. -0.02 min

Lab File: VD059883.D

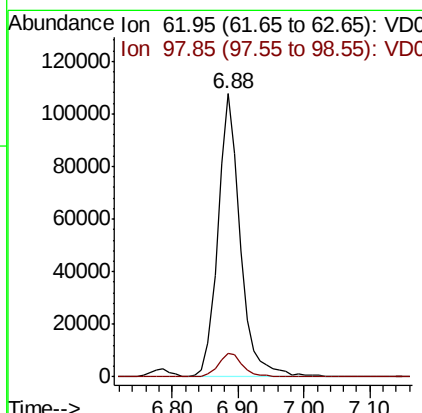
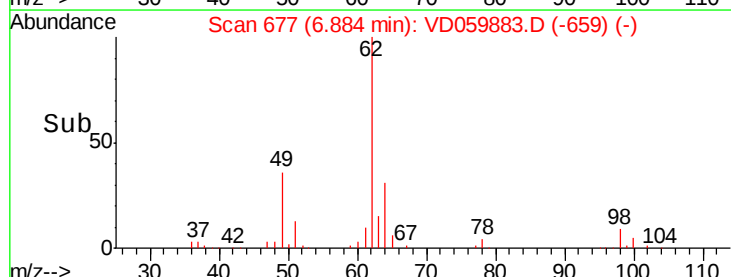
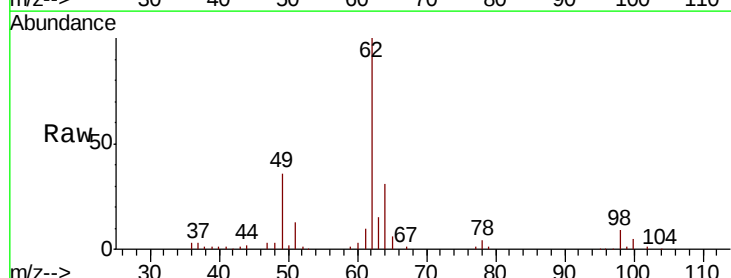
Acq: 23 Aug 2018 12:49

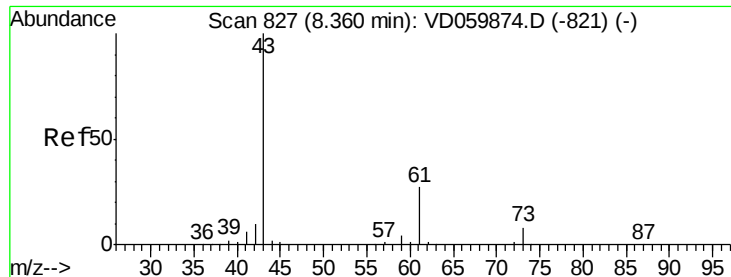
Tgt Ion: 62 Resp: 254055

Ion Ratio Lower Upper

62 100

98 8.5 0.0 18.4





#43

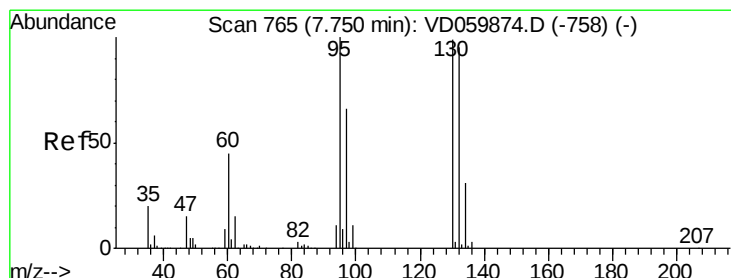
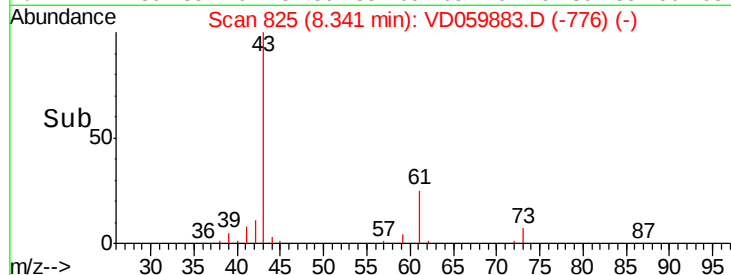
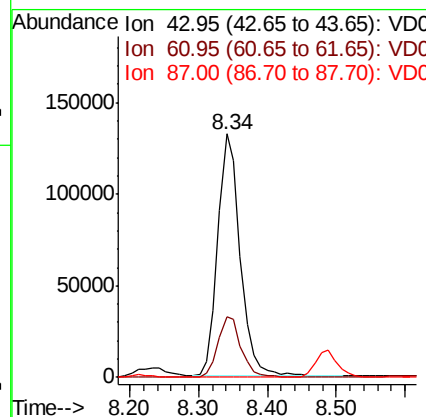
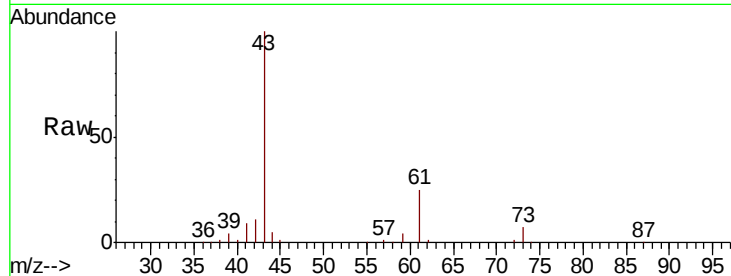
Isopropyl Acetate
 Concen: 20.23 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.6	21.4	32.2
87	0.3	0.2	0.4

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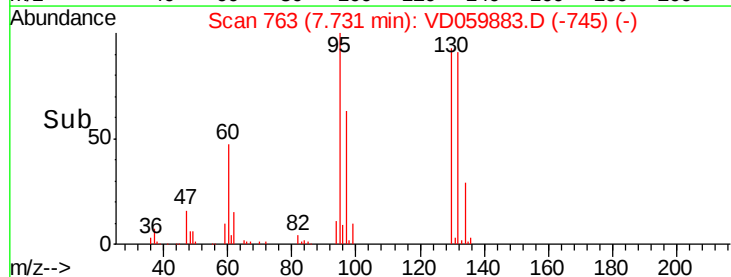
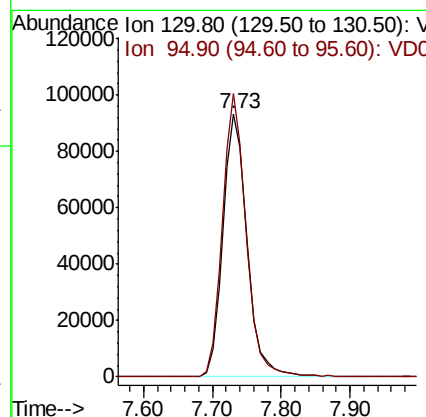
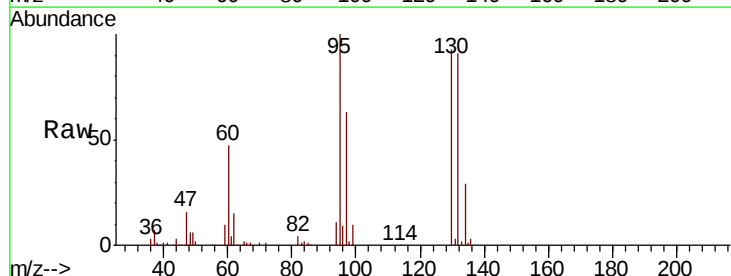
MMDadoda
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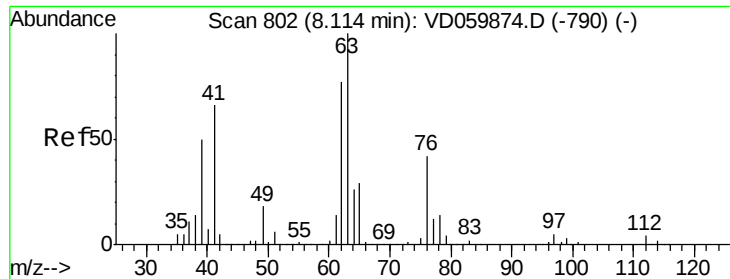


#44

Trichloroethene
 Concen: 20.14 ug/l
 RT: 7.73 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.6	0.0	202.0





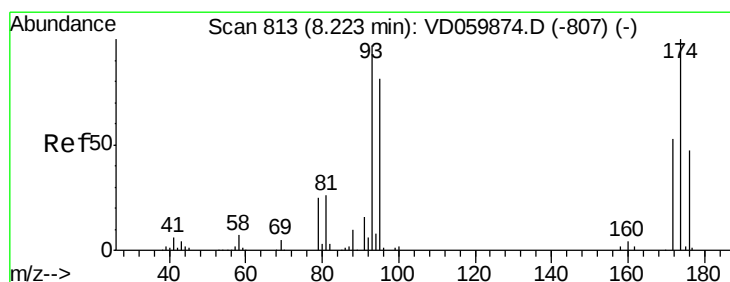
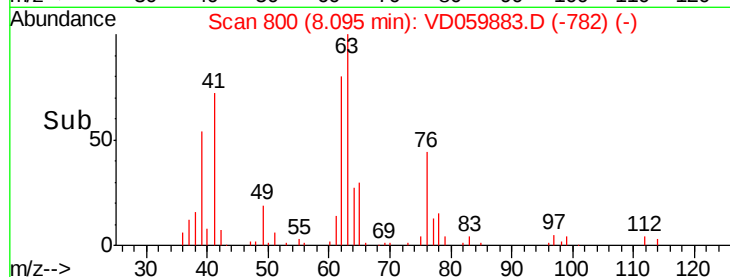
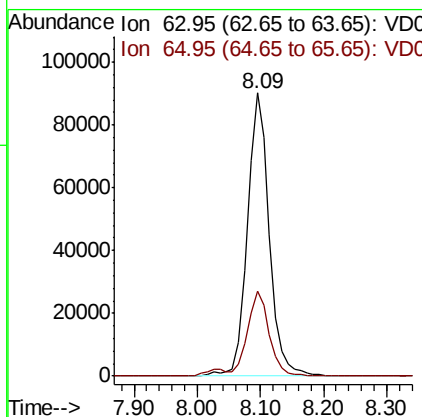
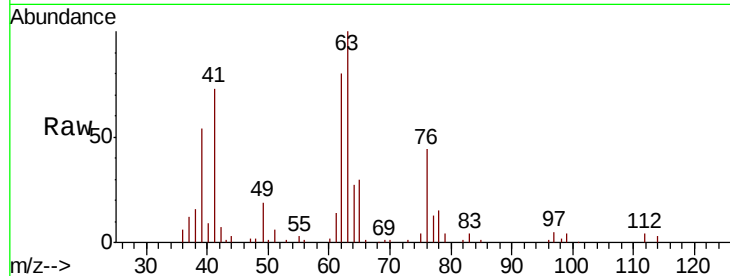
#45
 1,2-Dichloropropane
 Concen: 20.39 ug/l
 RT: 8.09 min Scan# 800
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.5	35.3

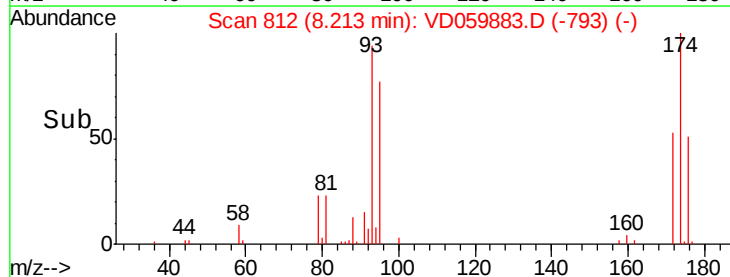
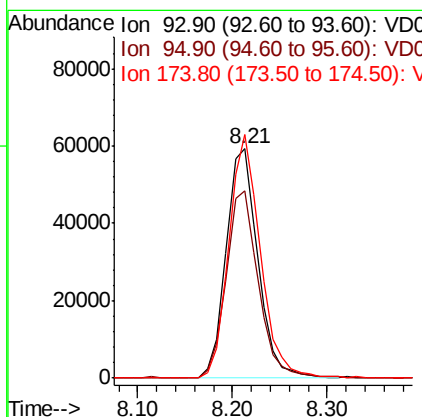
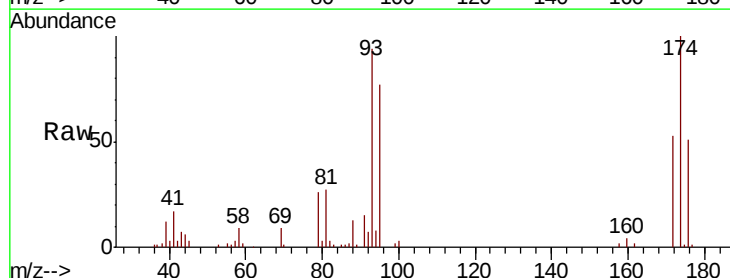
Manual Integrations
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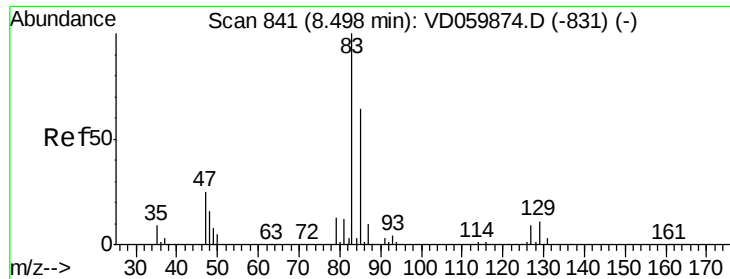
MMDadoda
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#46
 Dibromomethane
 Concen: 20.10 ug/l
 RT: 8.21 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	66.6	100.0
174	106.3	82.4	123.6





#47

Bromodichloromethane

Concen: 20.79 ug/l

RT: 8.49 min Scan# 840

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

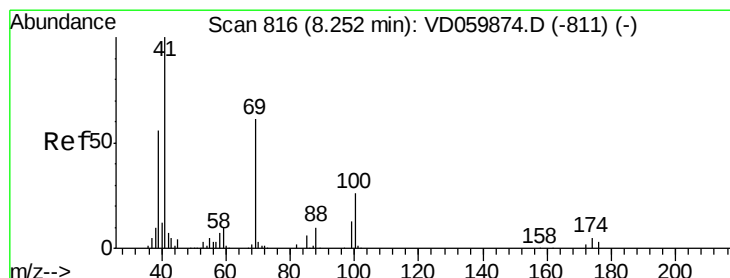
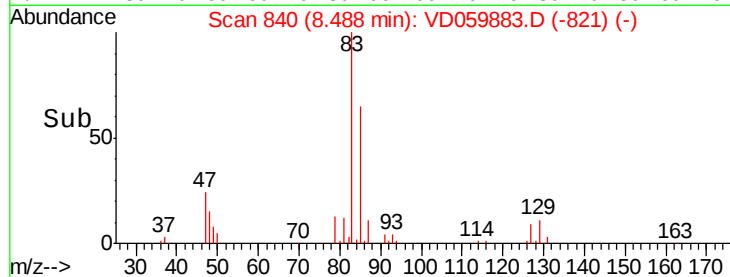
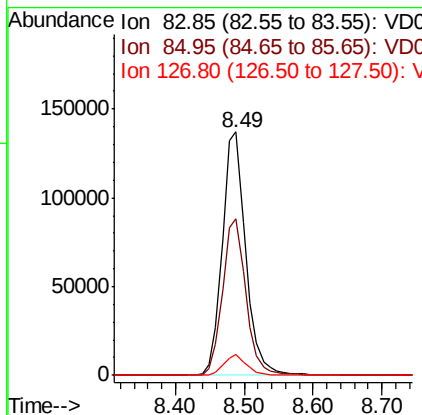
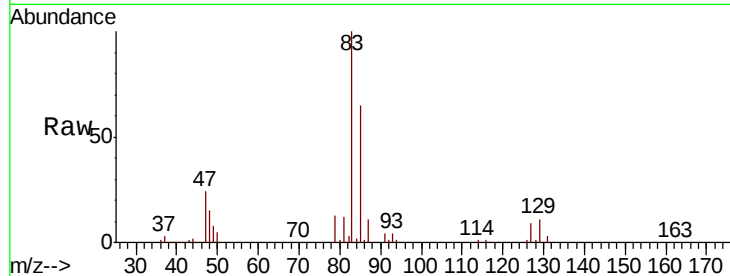
ClientSampleId :

VD0823SBS01

Tot Ion:	83	Resp:	322428
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.3	76.9
127	8.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.51 ug/l

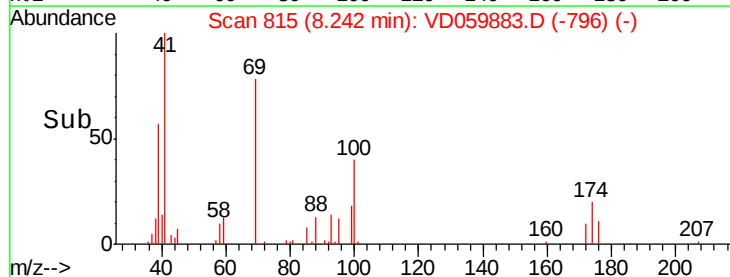
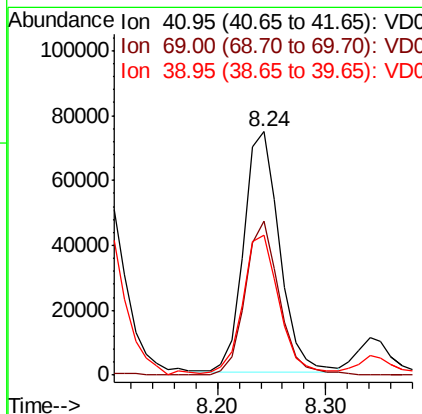
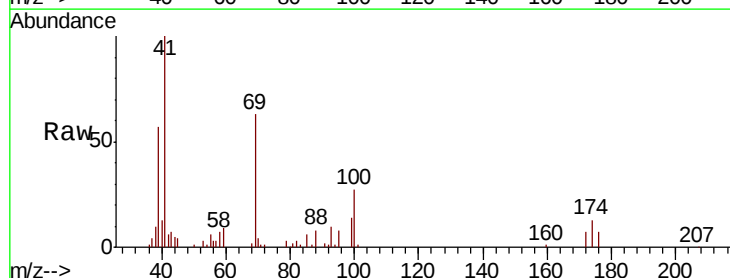
RT: 8.24 min Scan# 815

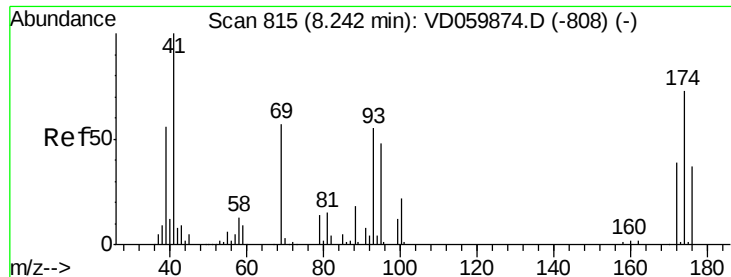
Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Tgt Ion:	41	Resp:	168757
Ion	Ratio	Lower	Upper
41	100		
69	63.2	48.0	72.0
39	57.4	45.4	68.0





#49

1,4-Dioxane

Concen: 395.07 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

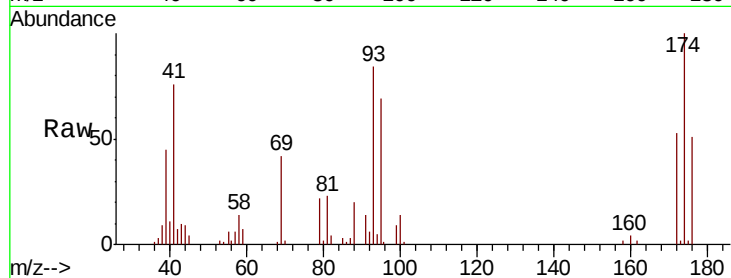
ClientSampleId :

VD0823SBS01

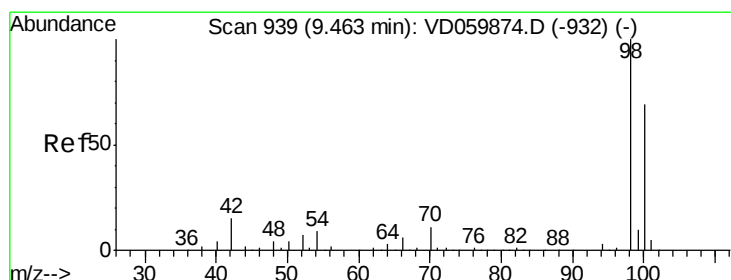
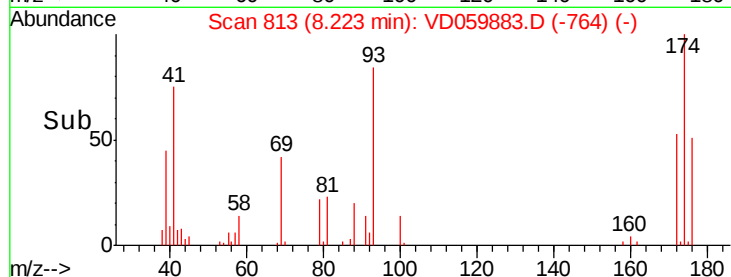
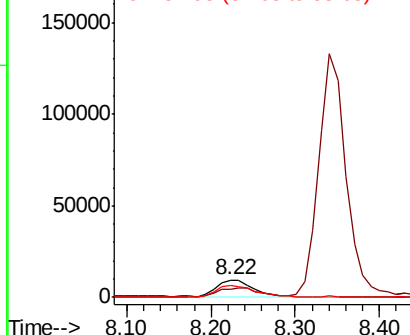
Tot Ion:	88	Resp:	30506
Ion Ratio	Lower	Upper	
88	100		
43	50.4	45.0	67.6
58	67.9	55.8	83.8

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Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 395.07 ug/l

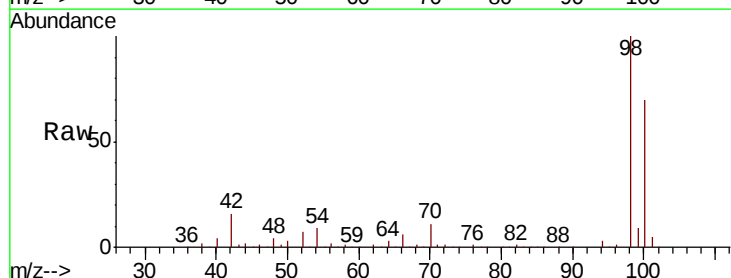
RT: 9.45 min Scan# 938

Delta R.T. -0.01 min

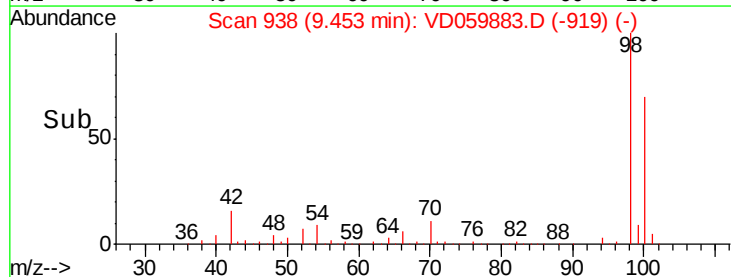
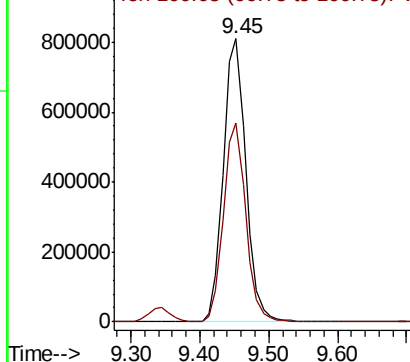
Lab File: VD059883.D

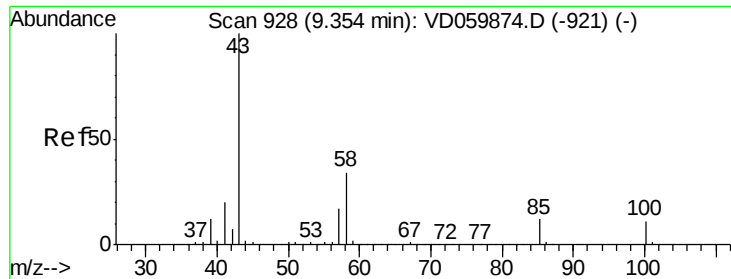
Acq: 23 Aug 2018 12:49

Tgt Ion:	98	Resp:	1839335
Ion Ratio	Lower	Upper	
98	100		
100	70.1	55.8	83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 89.47 ug/l

RT: 9.33 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 43 Resp: 989662

Ion Ratio Lower Upper

43 100

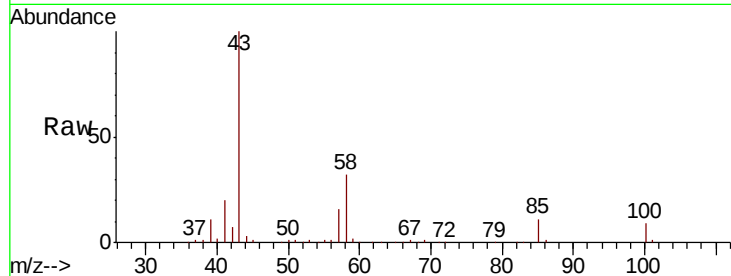
58 31.7 27.0 40.4

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

400000

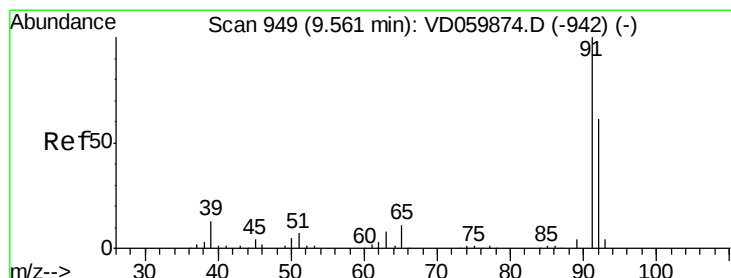
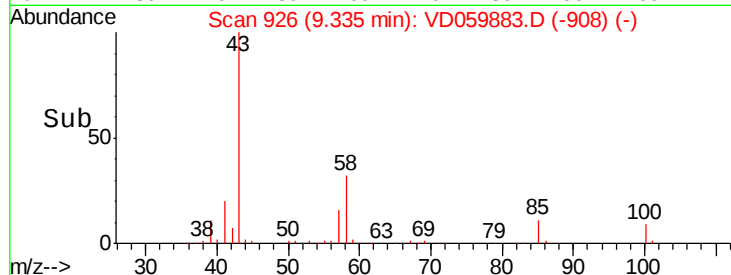
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.39 ug/l

RT: 9.54 min Scan# 947

Delta R.T. -0.02 min

Lab File: VD059883.D

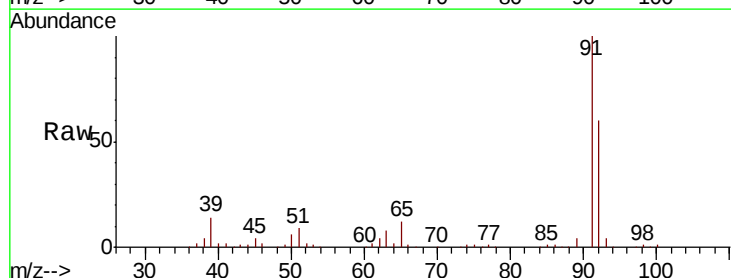
Acq: 23 Aug 2018 12:49

Tgt Ion: 92 Resp: 498189

Ion Ratio Lower Upper

92 100

91 165.5 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

400000

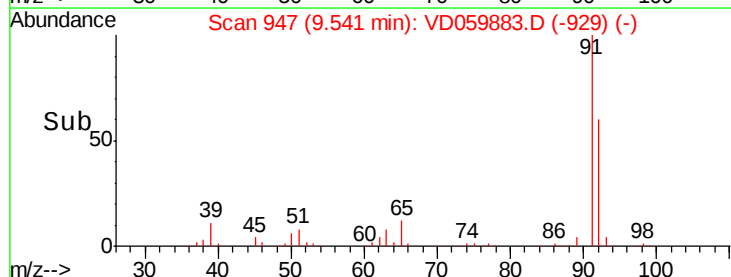
300000

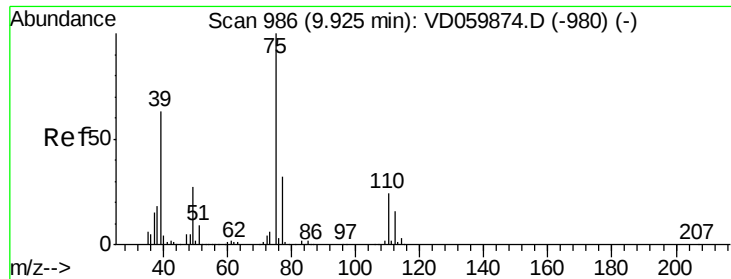
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.93 ug/l

RT: 9.92 min Scan# 985

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Tot Ion: 75 Resp: 300206

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

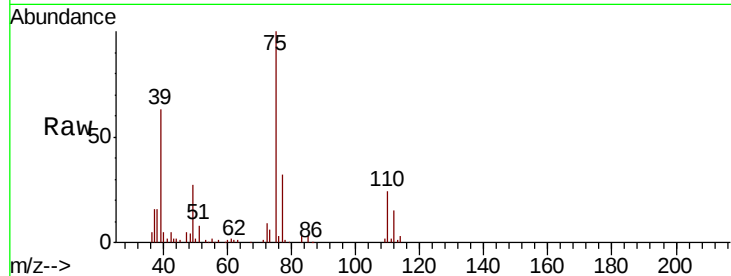
VD0823SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

150000

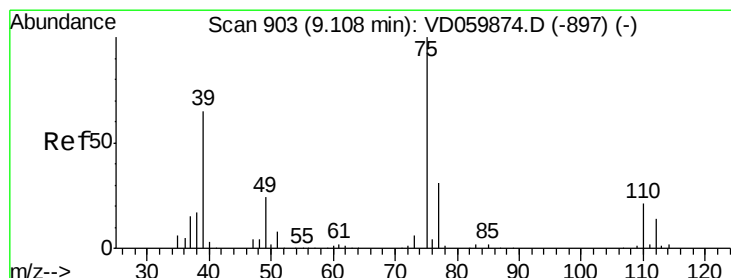
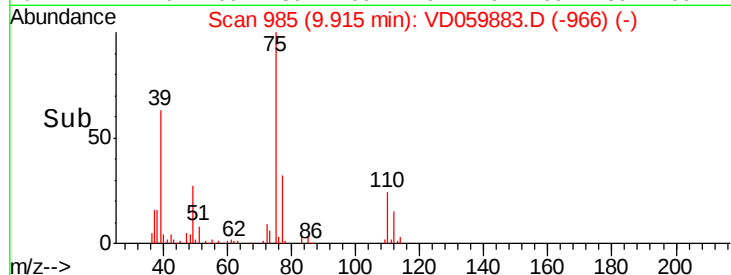
100000

50000

0

9.80 9.90 10.00 10.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.44 ug/l

RT: 9.10 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

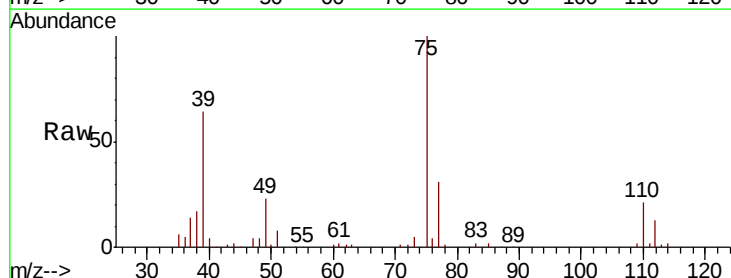
Tgt Ion: 75 Resp: 339831

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 63.9 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

150000

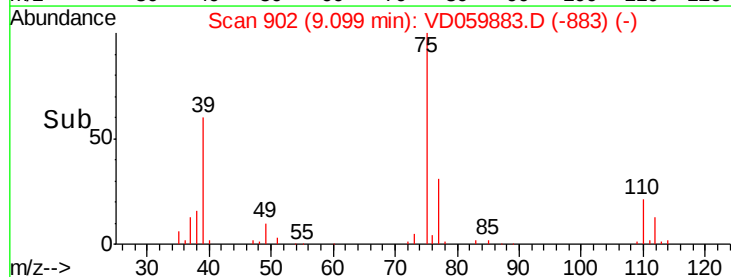
100000

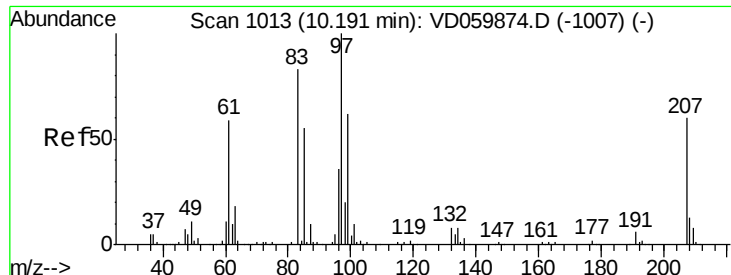
50000

0

9.00 9.10 9.20

Time-->





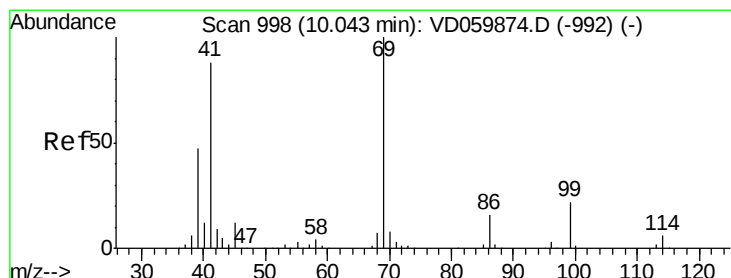
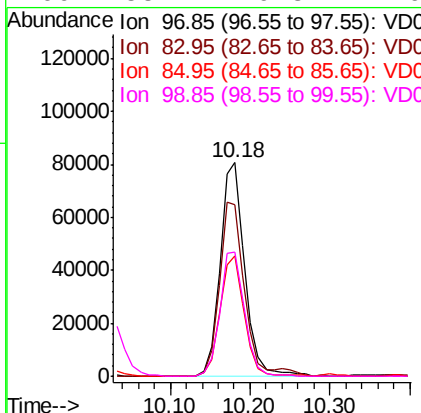
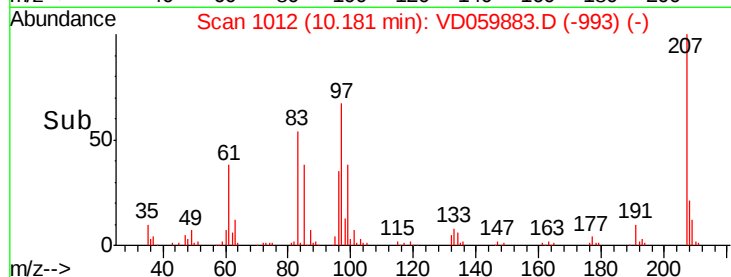
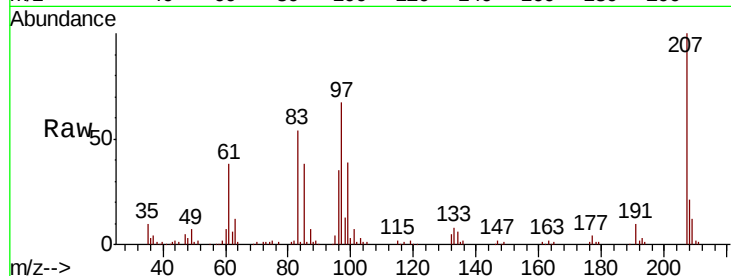
#55
 1,1,2-Trichloroethane
 Concen: 19.50 ug/l
 RT: 10.18 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0823SBS01

Tot Ion	97	Resp	174176
Ion Ratio	Lower	Upper	
97	100		
83	80.4	66.7	100.1
85	56.3	43.8	65.6
99	58.2	49.8	74.6

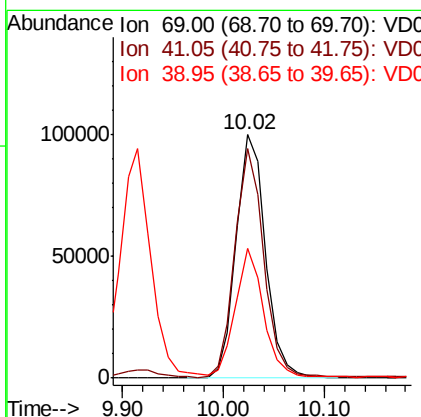
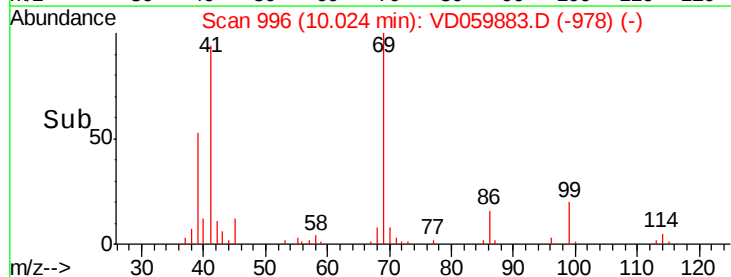
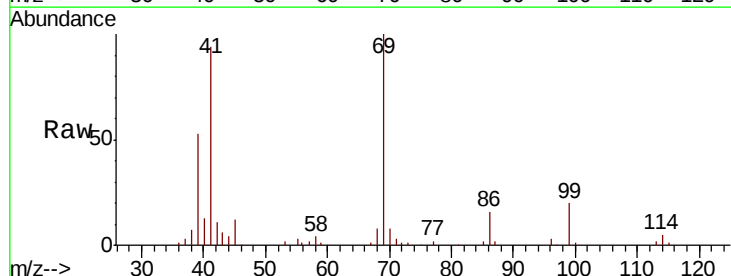
Manual Integrations
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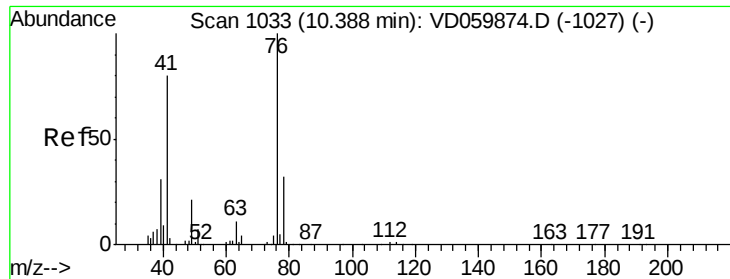
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#56
 Ethyl methacrylate
 Concen: 19.67 ug/l
 RT: 10.02 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion	69	Resp	202758
Ion Ratio	Lower	Upper	
69	100		
41	94.3	71.0	106.4
39	53.5	38.5	57.7





#57

1,3-Dichloropropane

Concen: 21.00 ug/l

RT: 10.38 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 76 Resp: 271508

Ion Ratio Lower Upper

76 100

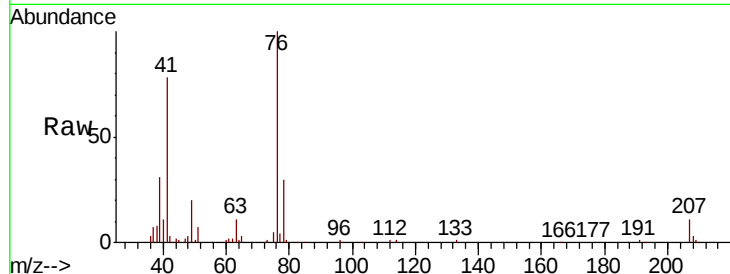
78 30.3 25.8 38.6

Manual Integrations

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

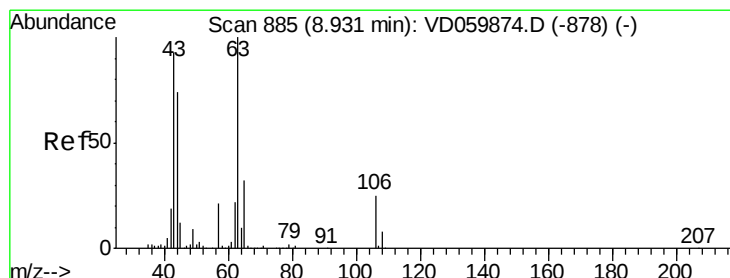
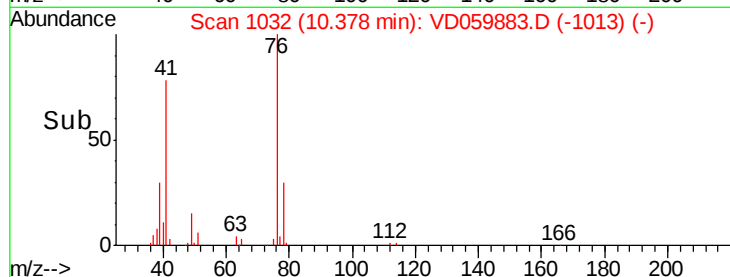
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 111.89 ug/l

RT: 8.92 min Scan# 884

Delta R.T. -0.01 min

Lab File: VD059883.D

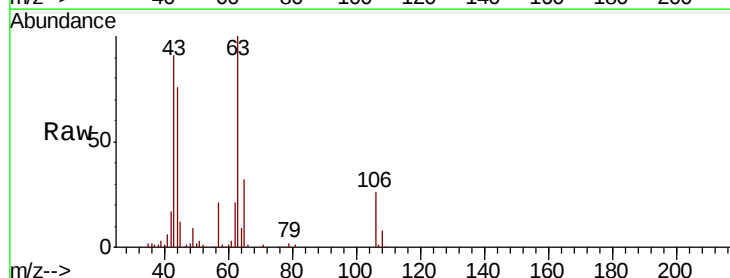
Acq: 23 Aug 2018 12:49

Tgt Ion: 63 Resp: 553330

Ion Ratio Lower Upper

63 100

106 25.7 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.92

250000

200000

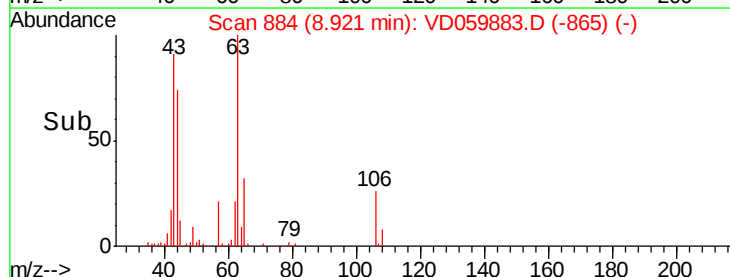
150000

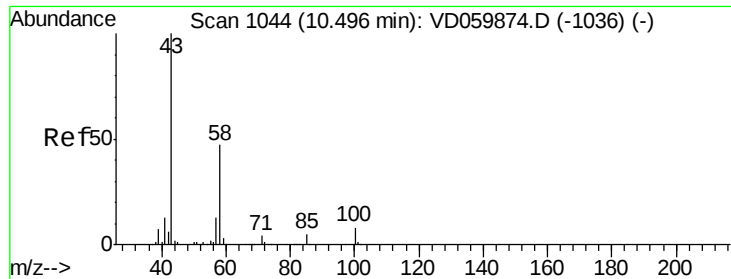
100000

50000

0

Time-->





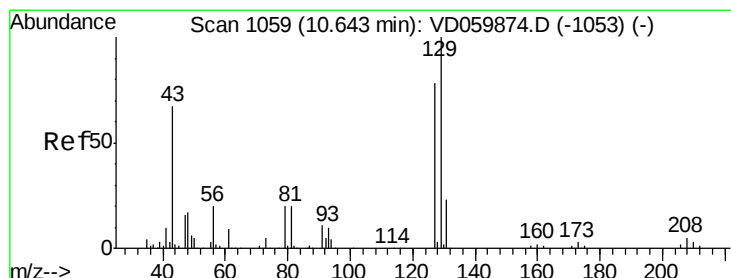
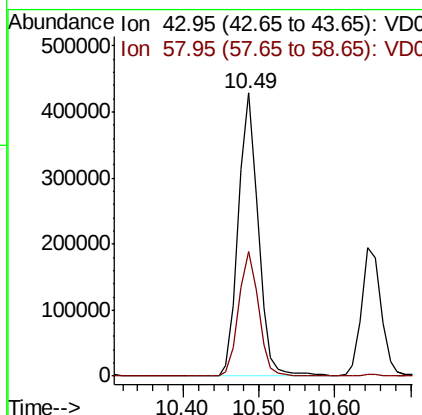
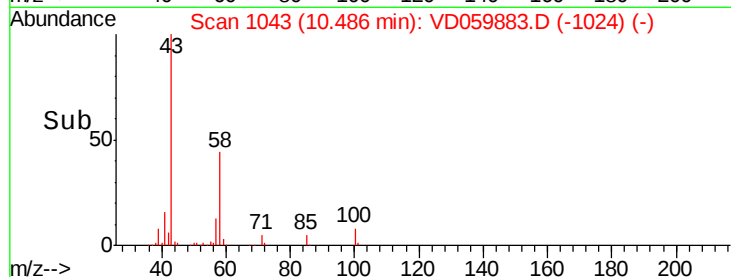
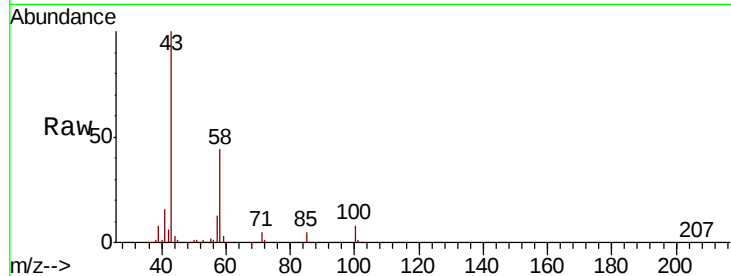
#59
2-Hexanone
Concen: 94.39 ug/l
RT: 10.49 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion: 43 Resp: 770063
Ion Ratio Lower Upper
43 100
58 43.9 23.3 69.8

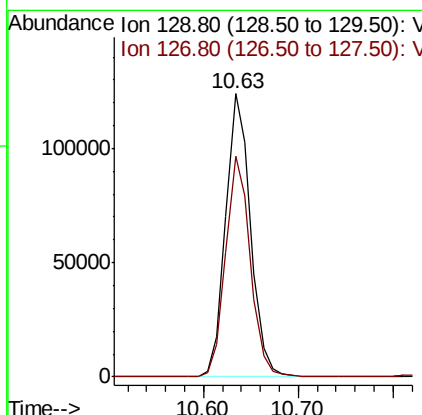
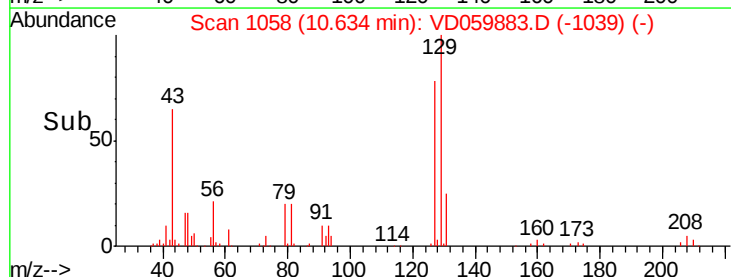
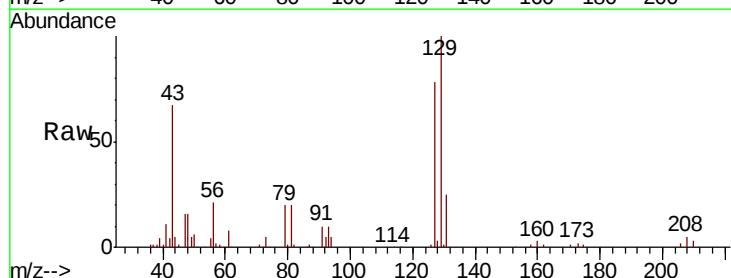
Manual Integrations
APPROVED

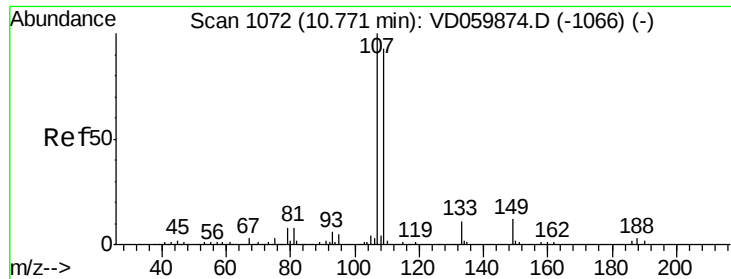
MMDadoda
8/24/2018 3:09:02 PM



#60
Dibromochloromethane
Concen: 20.04 ug/l
RT: 10.63 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 129 Resp: 225036
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.84 ug/l

RT: 10.75 min Scan# 1070

Delta R.T. -0.02 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion:107 Resp: 179175

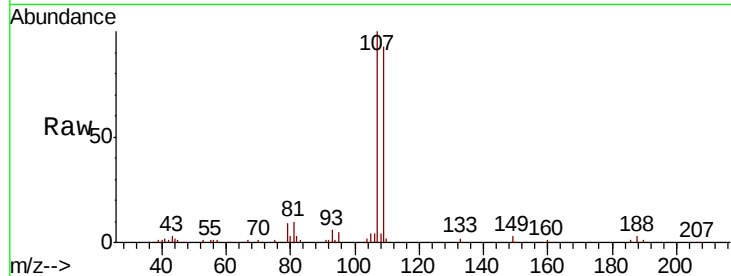
Ion Ratio Lower Upper

107 100

109 93.1 74.6 112.0

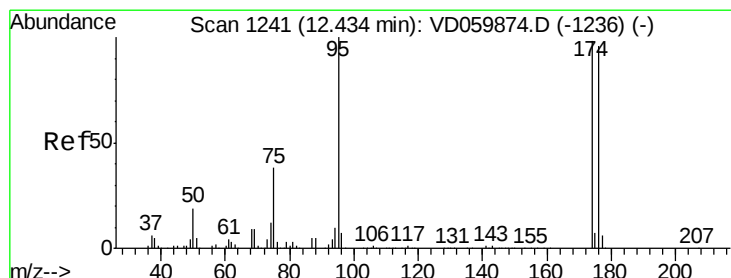
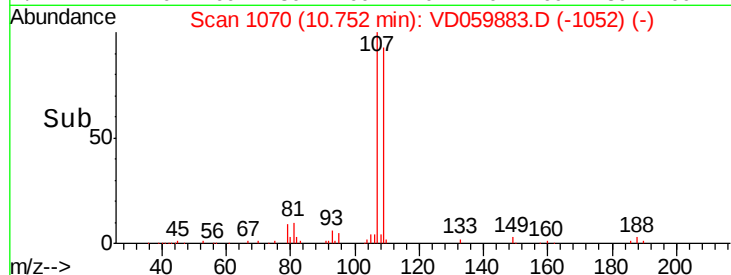
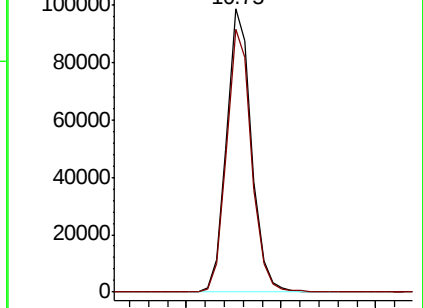
Manual Integrations
APPROVED

MMDadoda
8/24/2018 3:09:02 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.84 ug/l

RT: 12.42 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

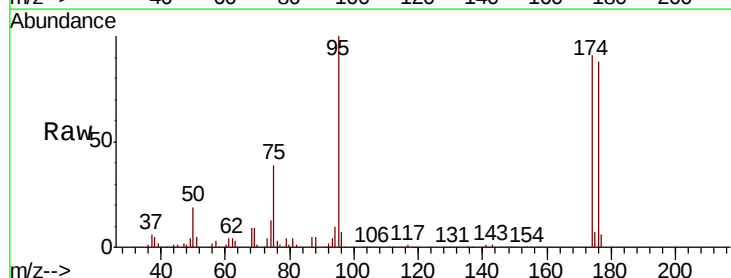
Tgt Ion: 95 Resp: 731910

Ion Ratio Lower Upper

95 100

174 91.1 0.0 195.6

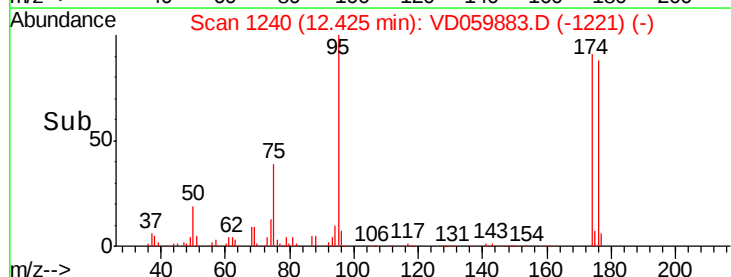
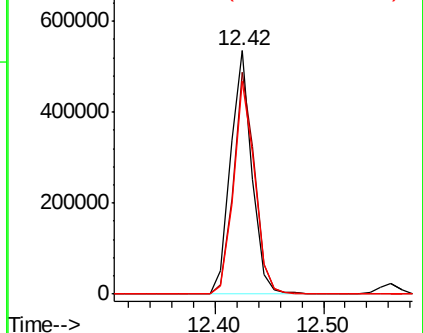
176 87.6 0.0 191.2

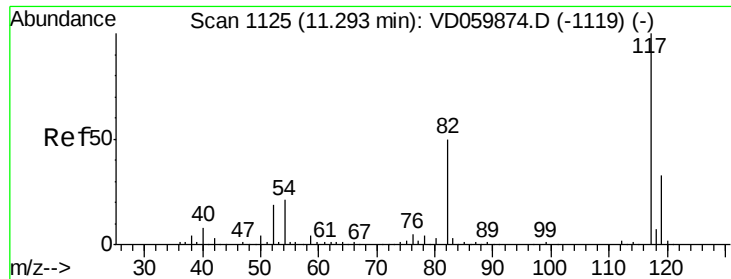


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





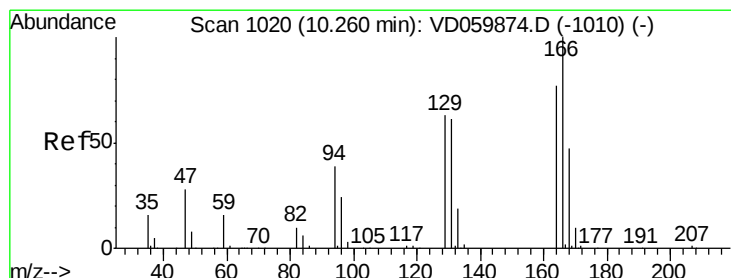
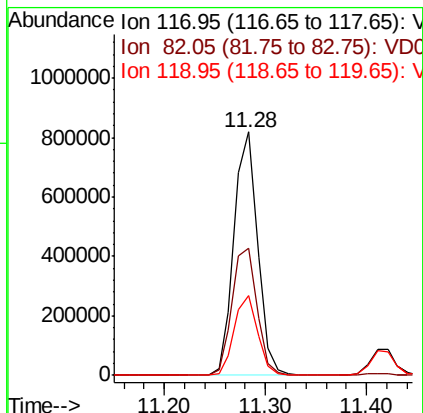
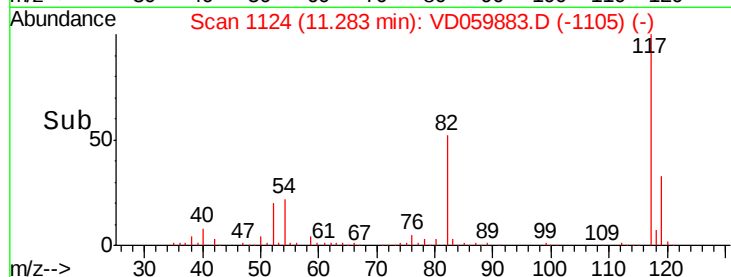
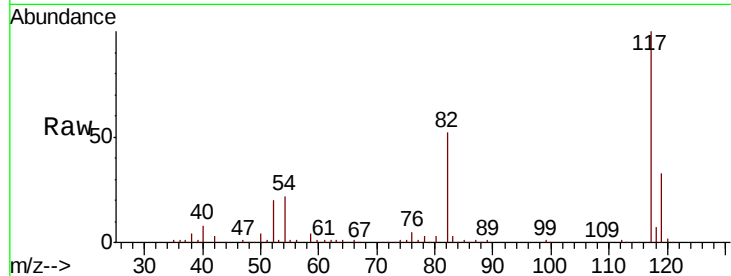
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampled :
VD0823SBS01

Tot Ion:117 Resp: 1337444
Ion Ratio Lower Upper
117 100
82 52.0 40.1 60.1
119 32.9 26.7 40.1

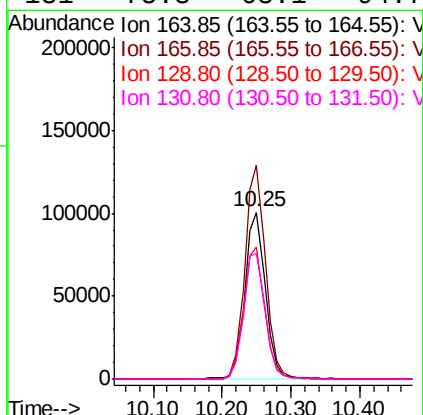
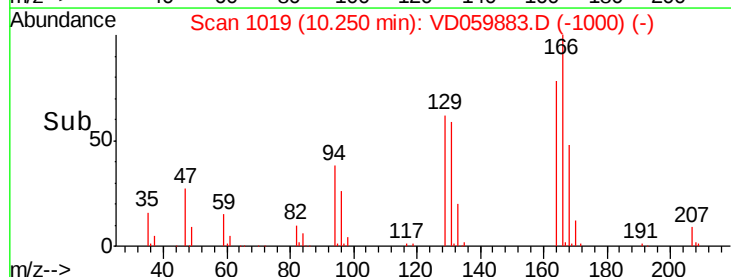
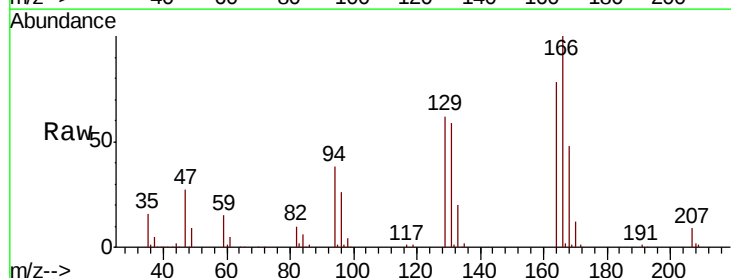
Manual Integrations
APPROVED

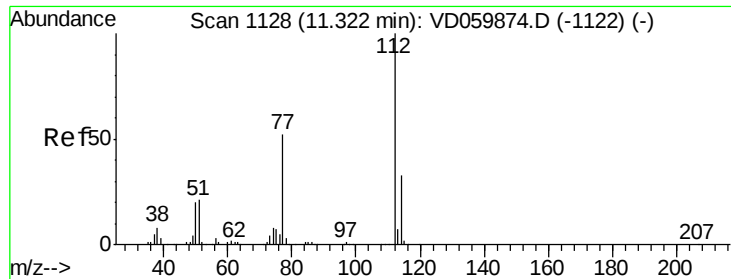
MMDadoda
8/24/2018 3:09:02 PM



#64
Tetrachloroethene
Concen: 20.04 ug/l
RT: 10.25 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion:164 Resp: 207291
Ion Ratio Lower Upper
164 100
166 128.1 103.4 155.2
129 78.9 65.2 97.8
131 75.3 63.1 94.7





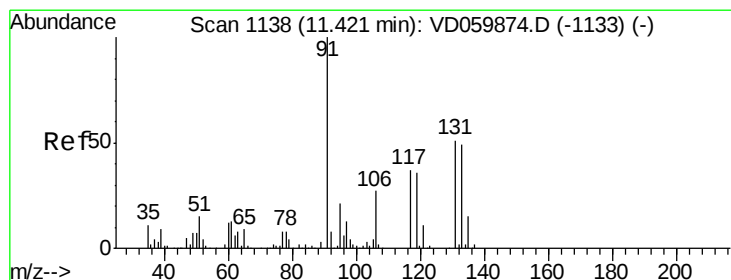
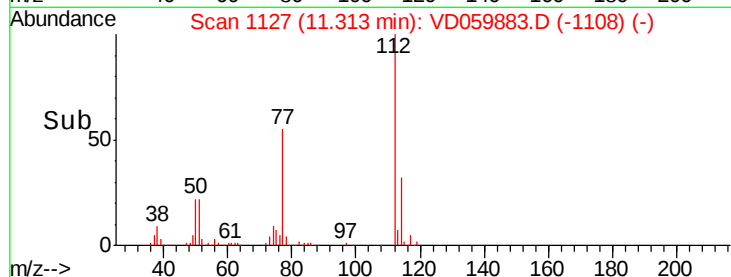
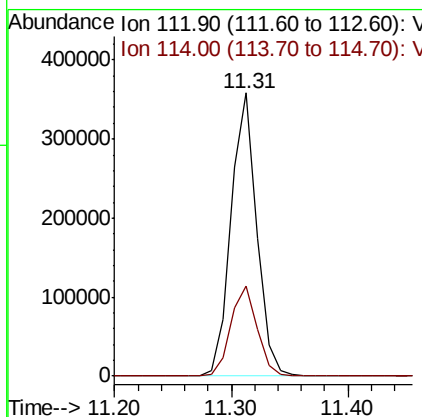
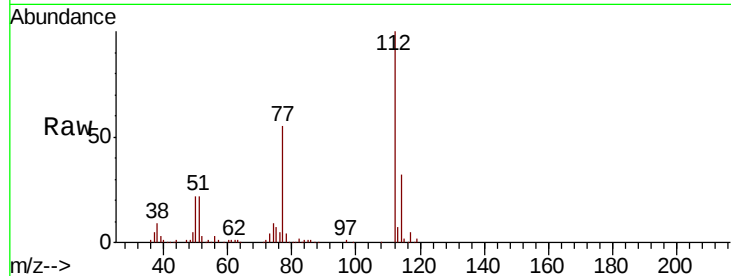
#65
Chlorobenzene
Concen: 20.65 ug/l
RT: 11.31 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	548910		
114	31.8	26.4	39.6	

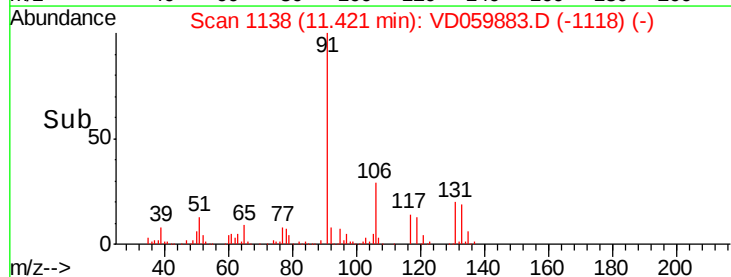
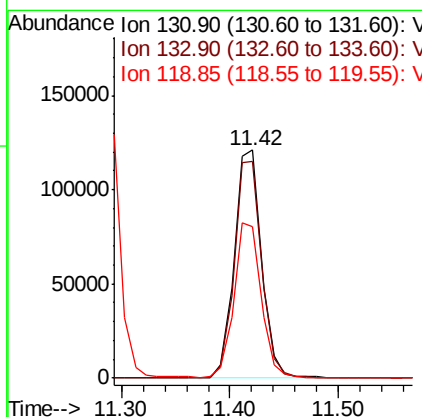
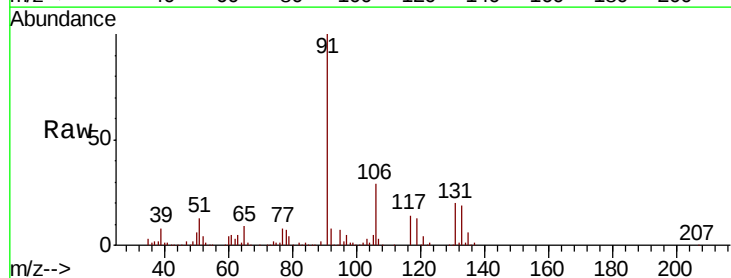
Manual Integrations
APPROVED

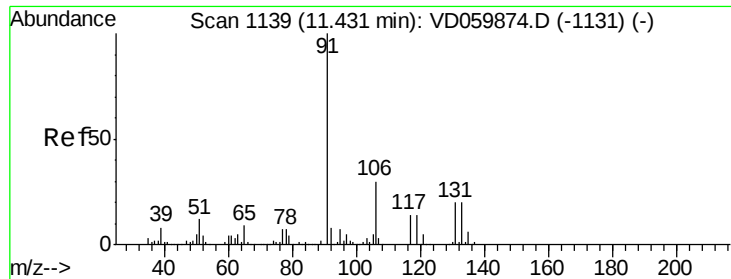
MMDadoda
8/24/2018 3:09:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.77 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	211391		
133	95.2	48.3	144.8	
119	66.6	35.4	106.3	





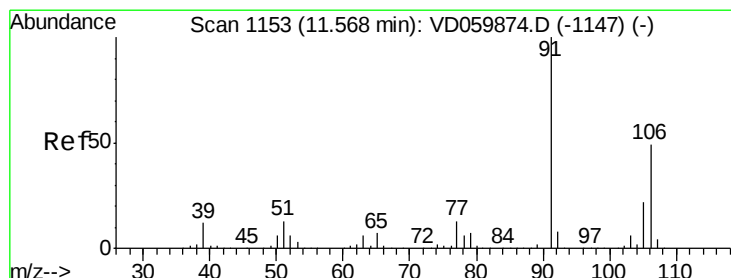
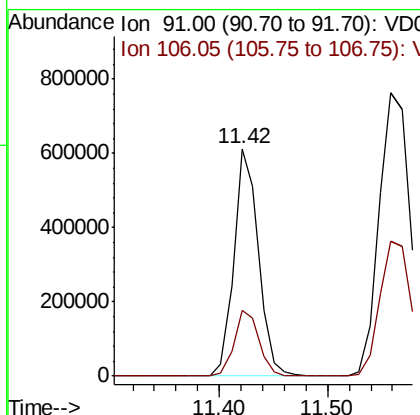
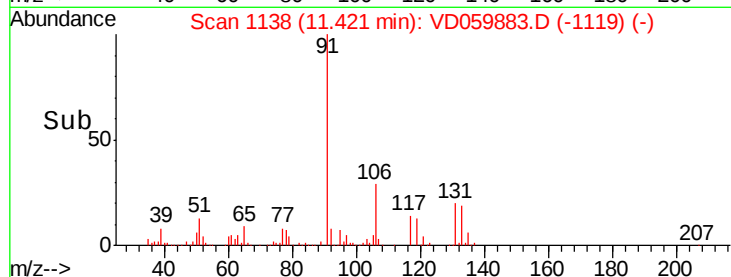
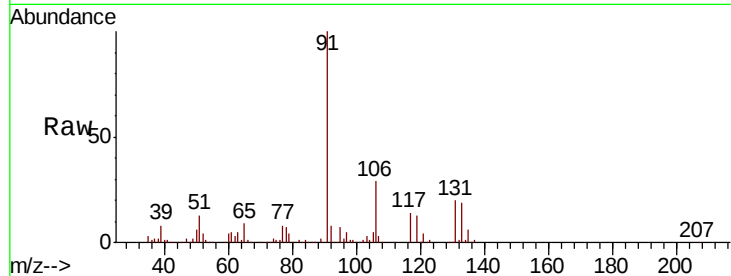
#67
Ethyl Benzene
Concen: 21.65 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion: 91 Resp: 968244
Ion Ratio Lower Upper
91 100
106 28.8 23.8 35.8

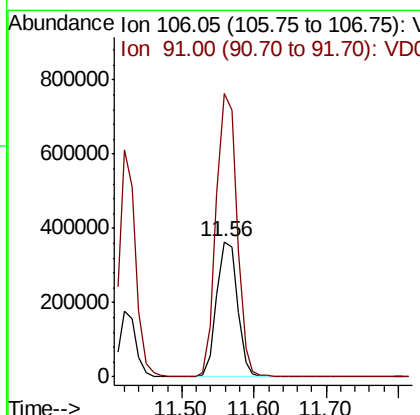
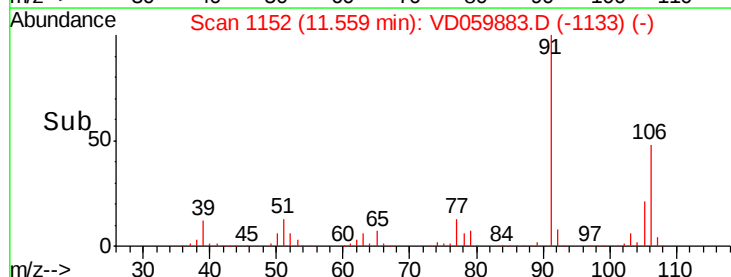
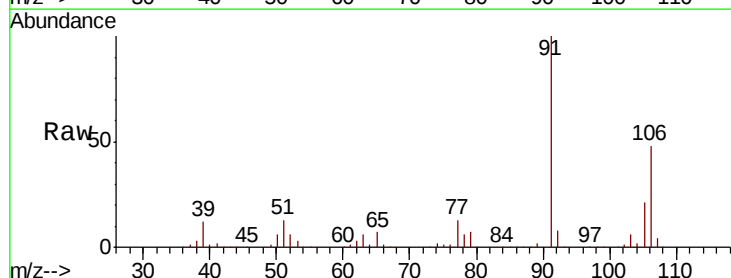
Manual Integrations
APPROVED

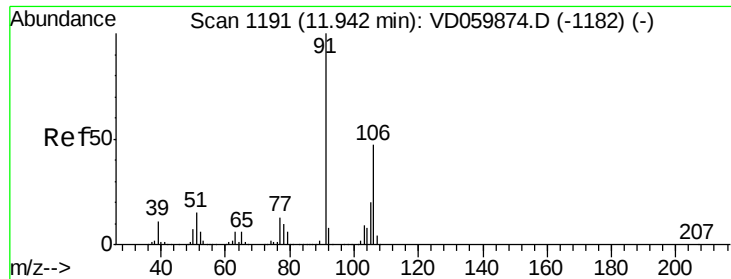
MMDadoda
8/24/2018 3:09:02 PM



#68
m/p-Xylenes
Concen: 44.60 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion:106 Resp: 726113
Ion Ratio Lower Upper
106 100
91 209.0 162.0 243.0





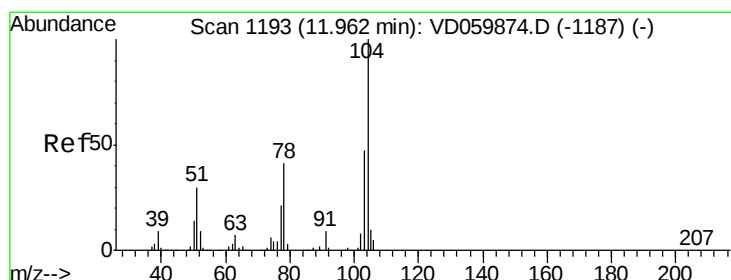
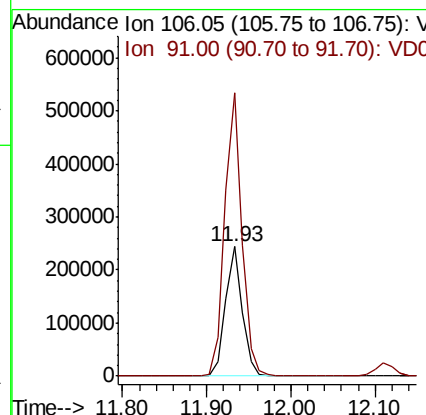
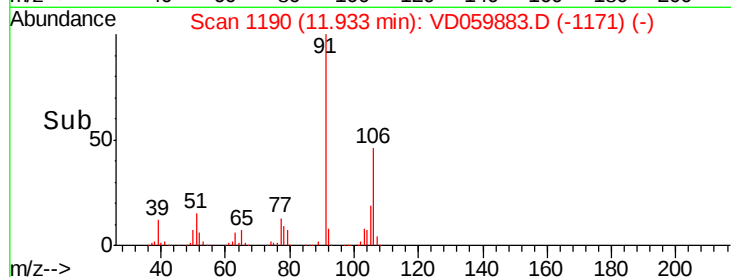
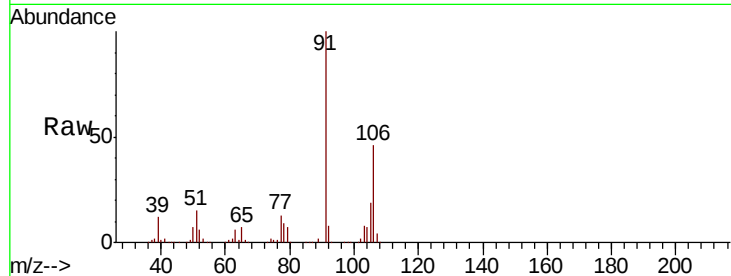
#69
o-Xylene
Concen: 21.25 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	219.1	107.3	338351		322.0

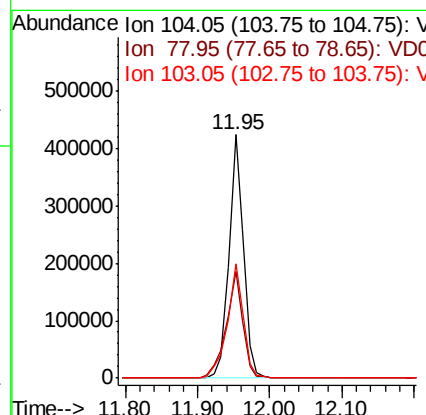
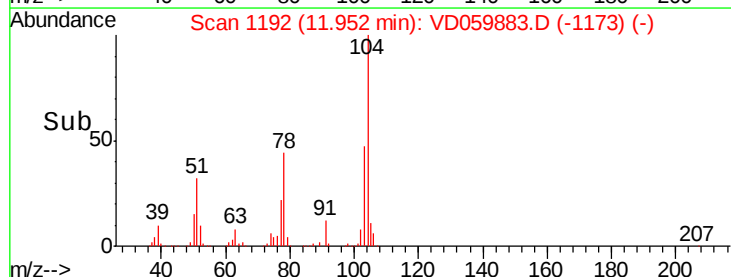
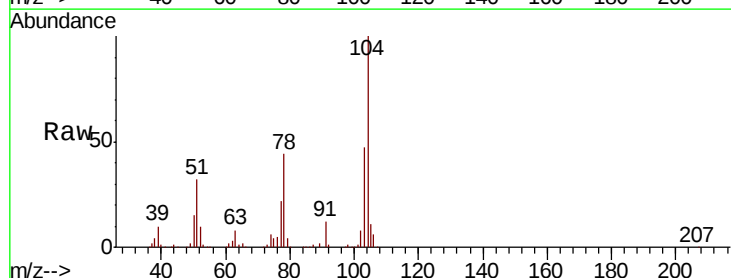
Manual Integrations
APPROVED

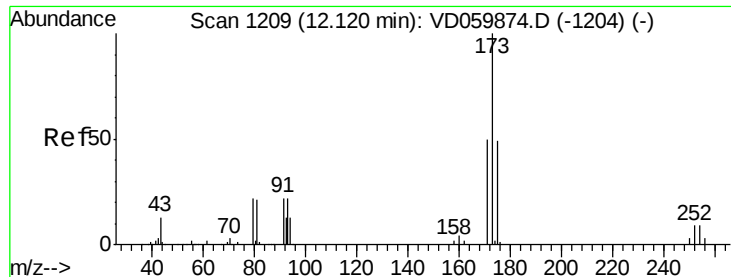
MMDadoda
8/24/2018 3:09:02 PM



#70
Styrene
Concen: 21.42 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	43.7	32.6	590548		49.0
103	46.7	37.7			56.5





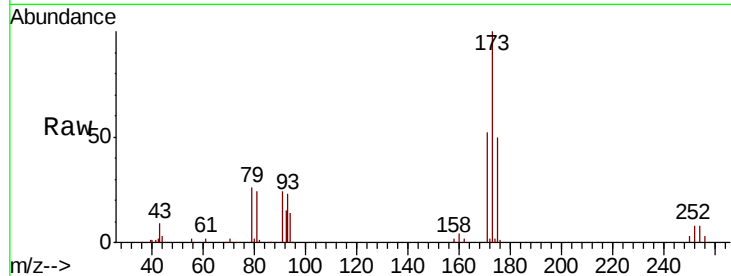
#71
Bromoform
Concen: 20.10 ug/l
RT: 12.11 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.3	73.0
254	8.0	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
8/24/2018 3:09:02 PM

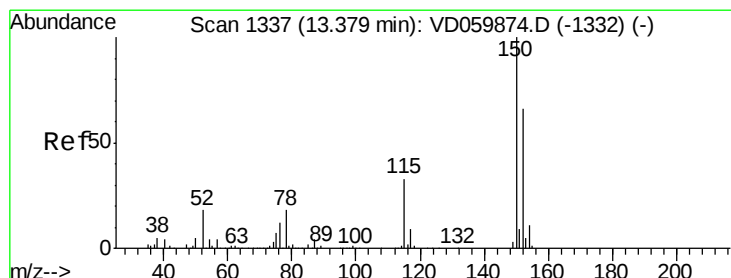
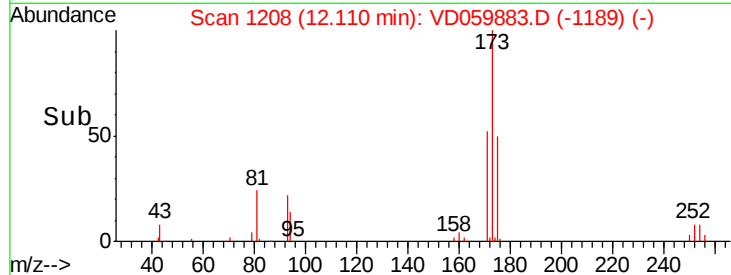
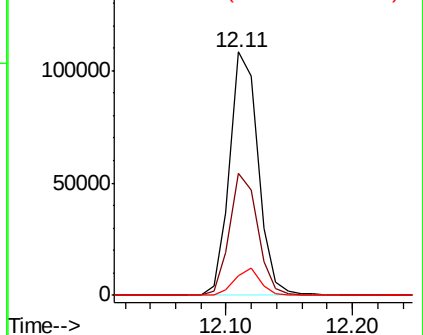


Abundance

Ion 172.80 (172.50 to 173.50): V

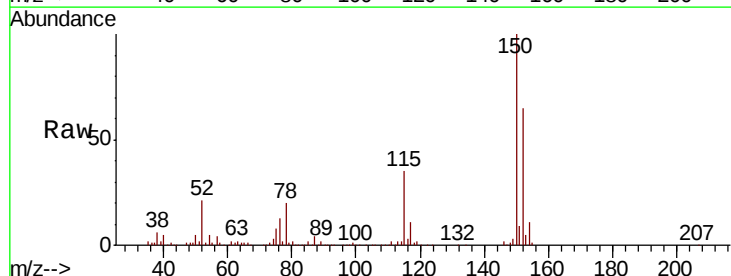
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	25.7	77.0
150	153.0	0.0	310.2

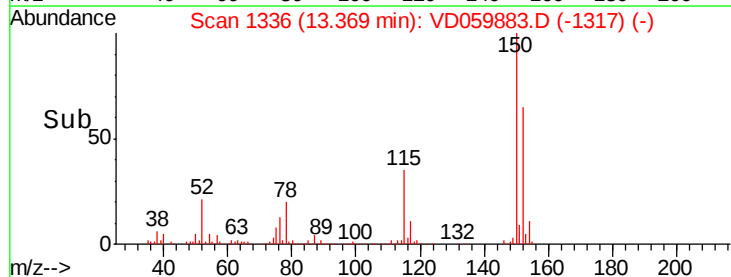
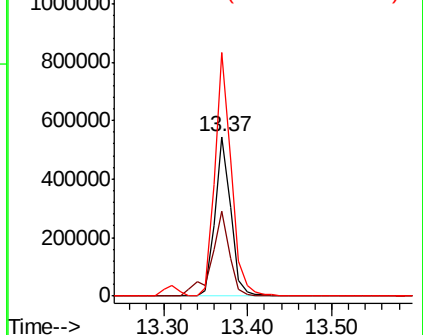


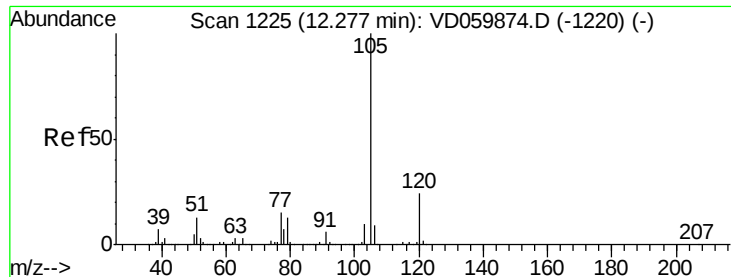
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.75 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 105 Resp: 933485

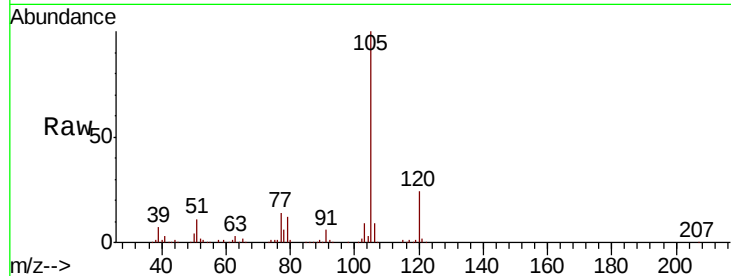
Ion Ratio Lower Upper

105 100

120 24.2 11.8 35.4

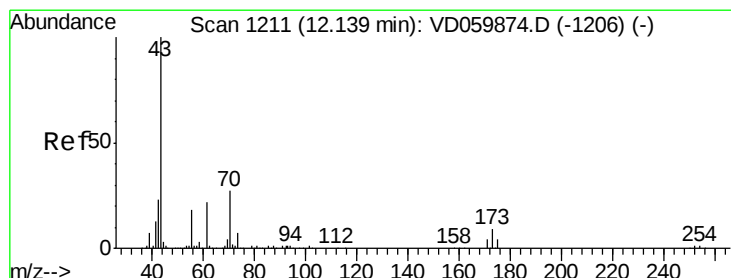
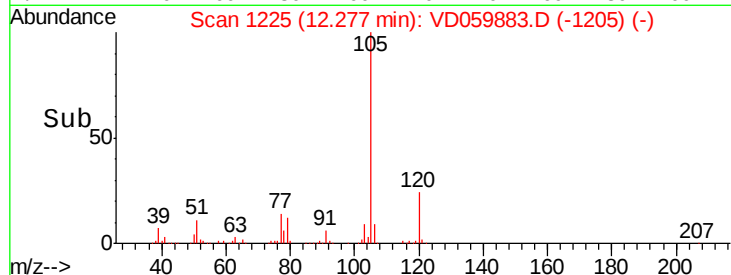
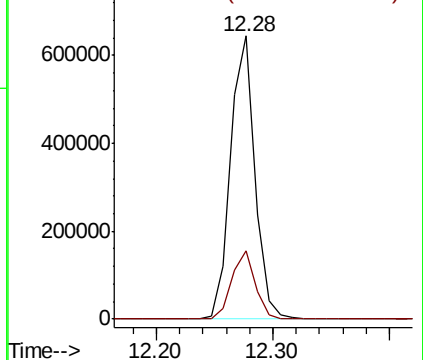
Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.44 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Tgt Ion: 43 Resp: 402650

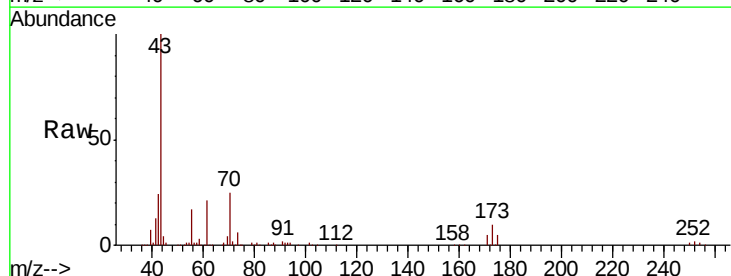
Ion Ratio Lower Upper

43 100

70 24.6 21.4 32.2

55 17.0 14.1 21.1

61 21.2 17.8 26.8

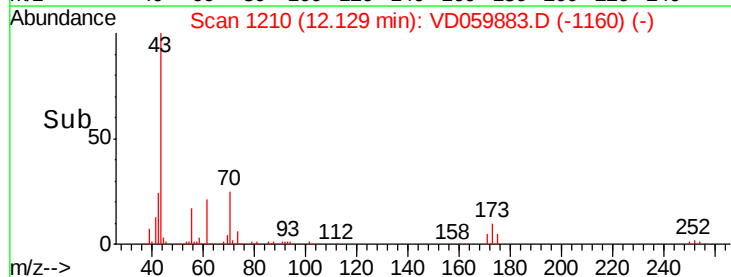
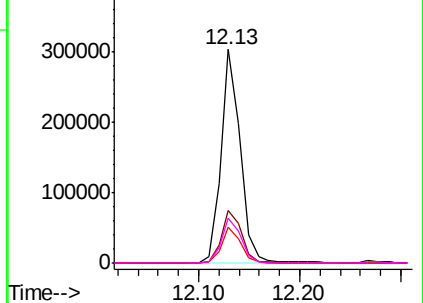


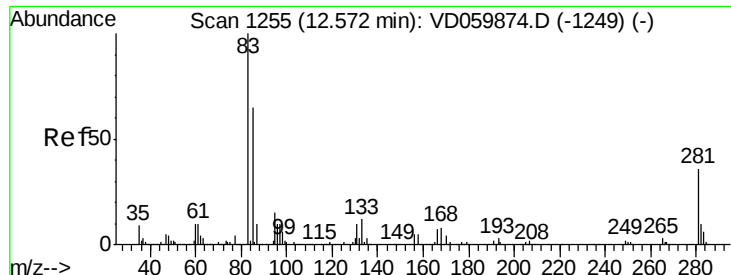
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.49 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 83 Resp: 213164

Ion Ratio Lower Upper

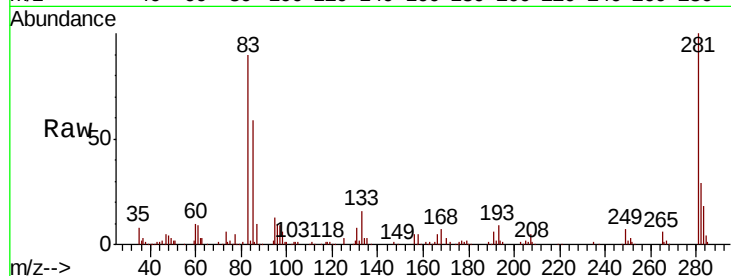
83 100

131 8.4 4.8 14.4

85 65.6 32.6 97.8

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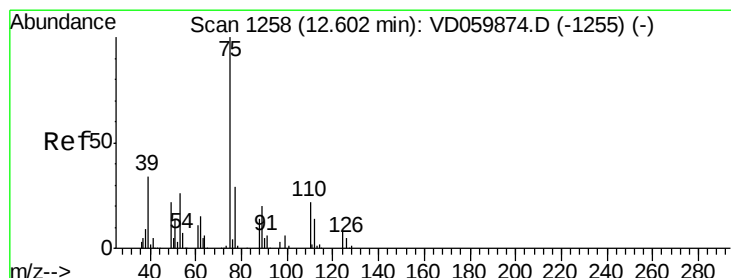
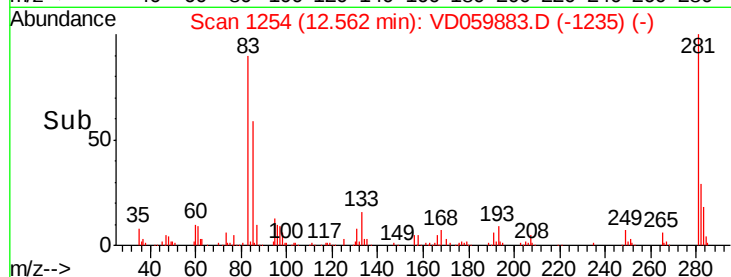
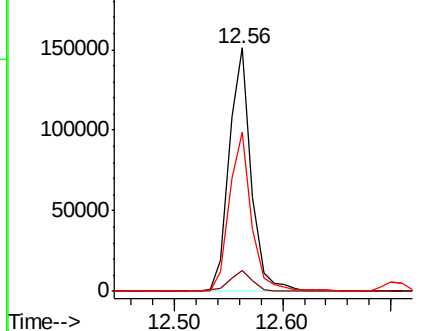
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.29 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059883.D

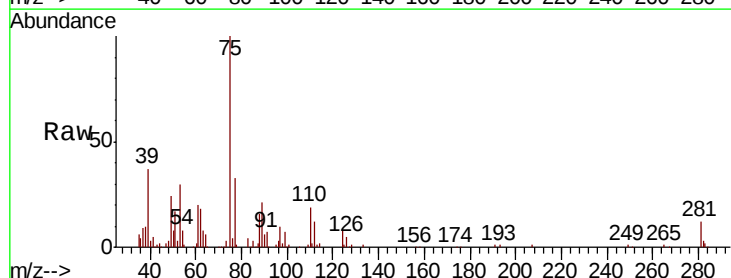
Acq: 23 Aug 2018 12:49

Tgt Ion: 75 Resp: 233231

Ion Ratio Lower Upper

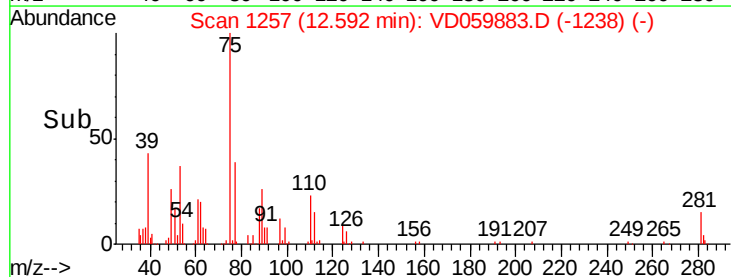
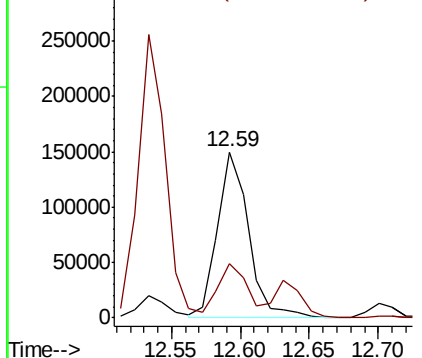
75 100

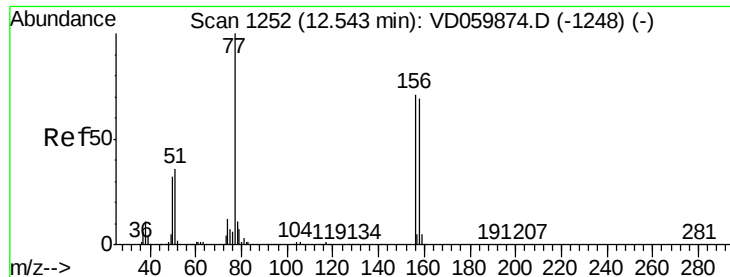
77 33.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





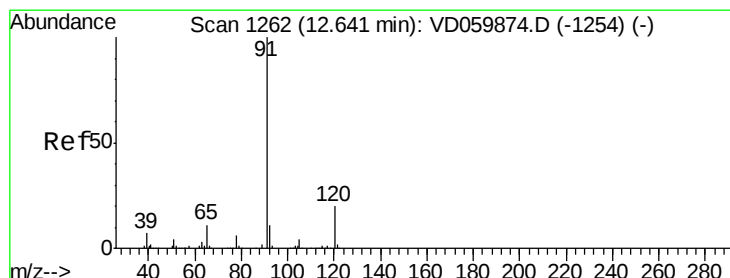
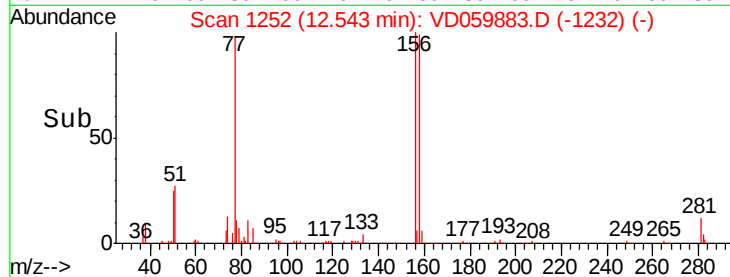
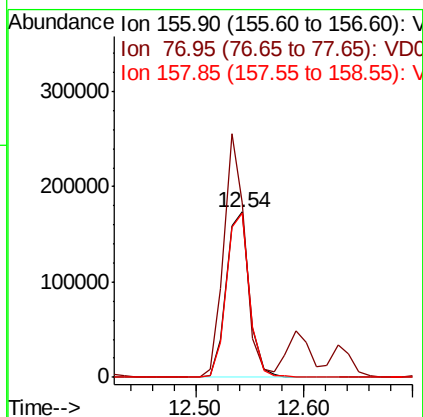
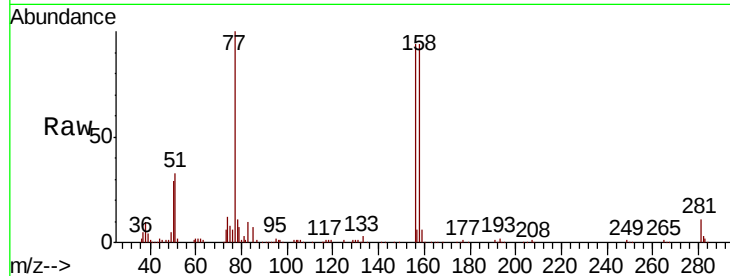
#77
Bromobenzene
Concen: 20.77 ug/l
RT: 12.54 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	105.9	70.2	210.4
158	99.3	48.4	145.2

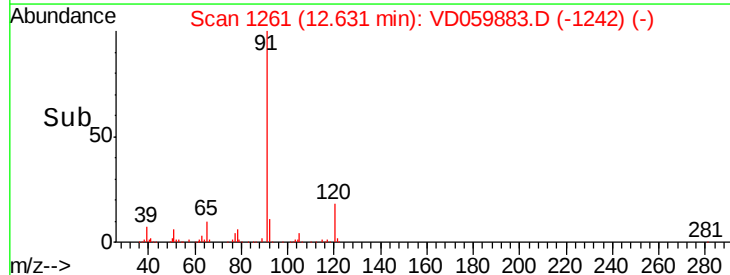
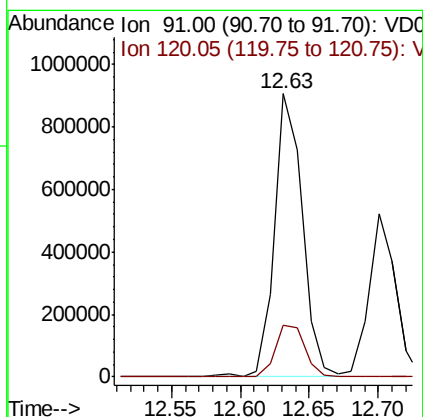
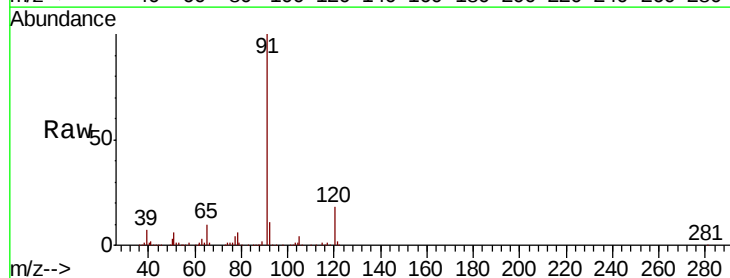
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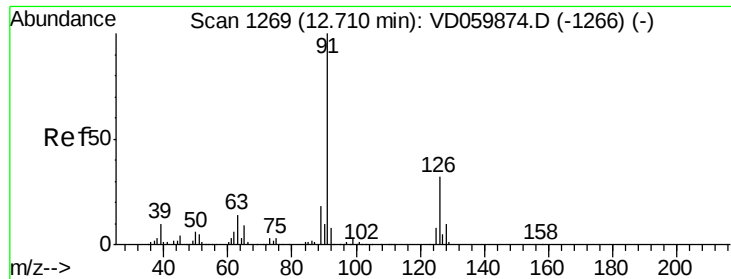
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#78
n-propylbenzene
Concen: 22.31 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.2	10.1	30.3





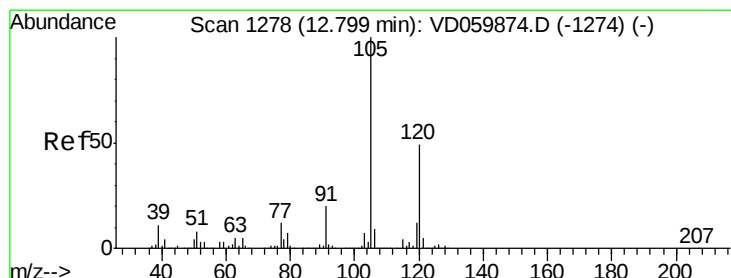
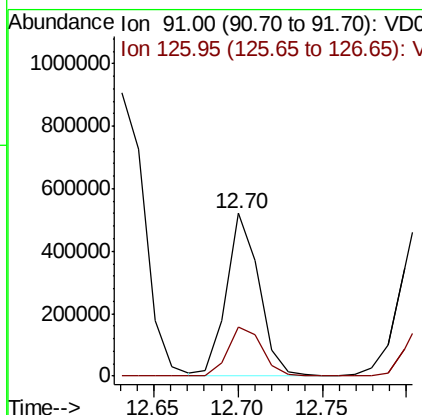
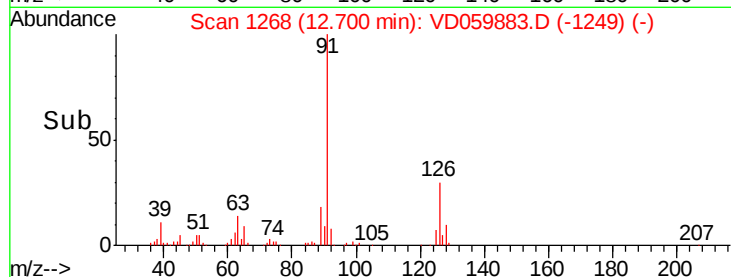
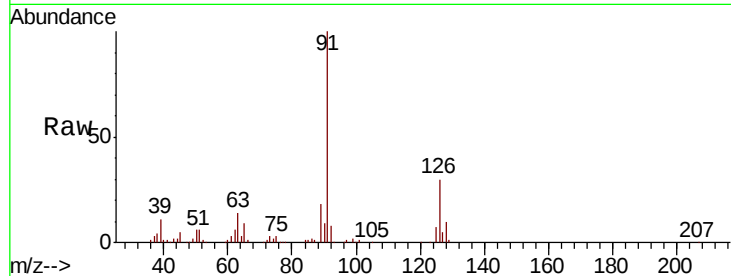
#79
2-Chlorotoluene
Concen: 21.80 ug/l
RT: 12.70 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion: 91 Resp: 702175
Ion Ratio Lower Upper
91 100
126 30.1 16.1 48.2

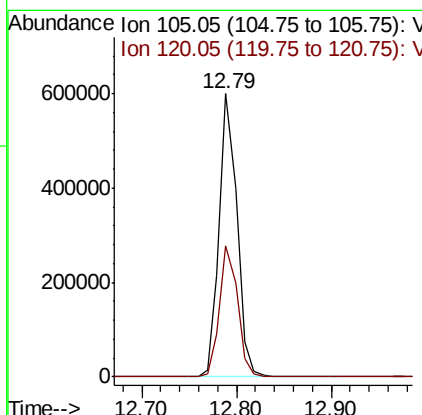
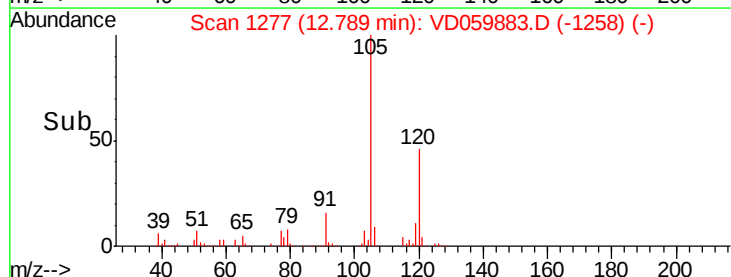
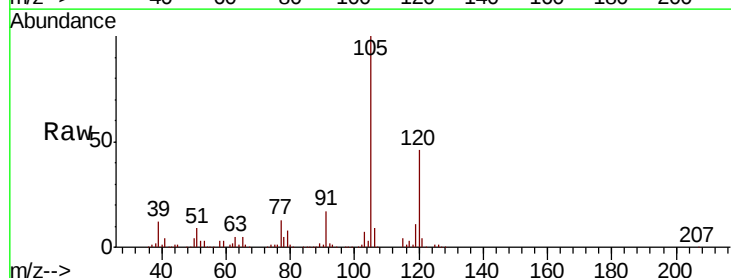
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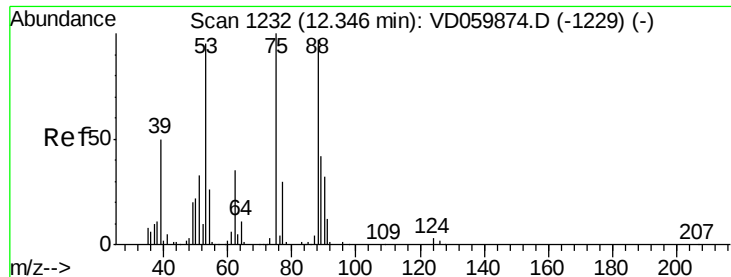
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#80
1,3,5-Trimethylbenzene
Concen: 21.82 ug/l
RT: 12.79 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion: 105 Resp: 780352
Ion Ratio Lower Upper
105 100
120 46.5 24.5 73.5





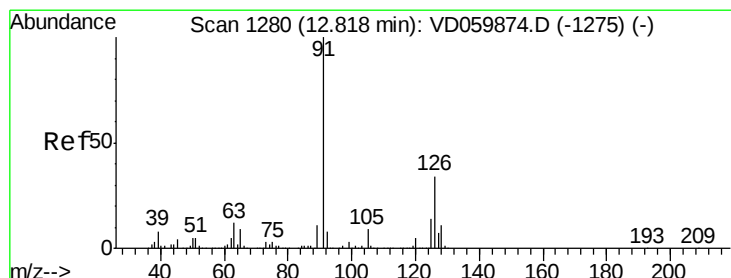
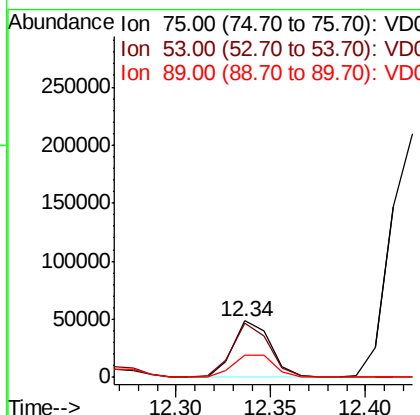
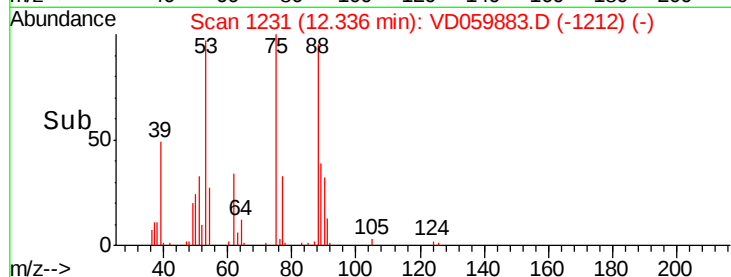
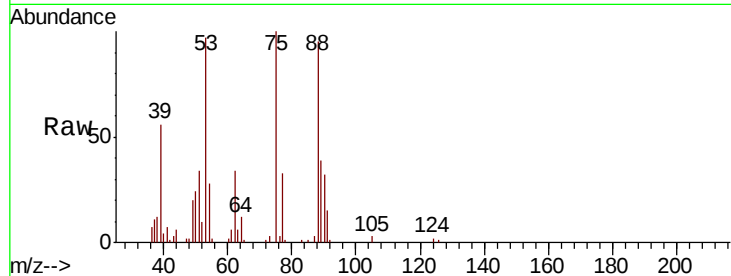
#81
trans-1,4-Dichloro-2-butene
Concen: 19.91 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	75.8	113.6
89	39.4	33.6	50.4

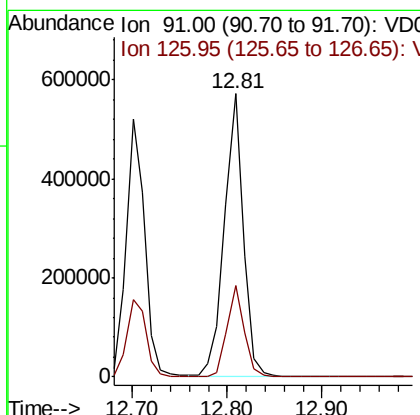
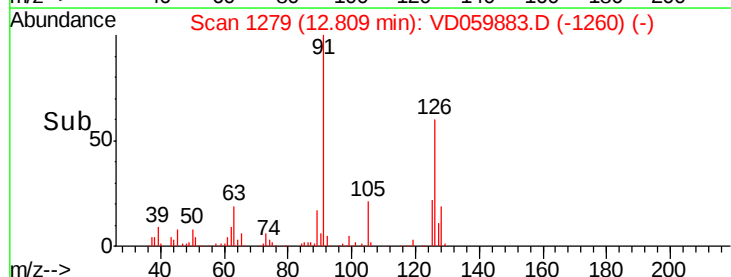
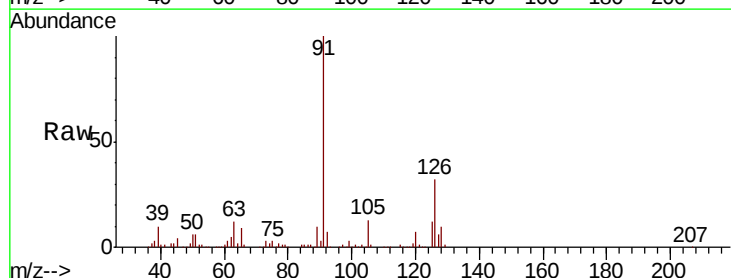
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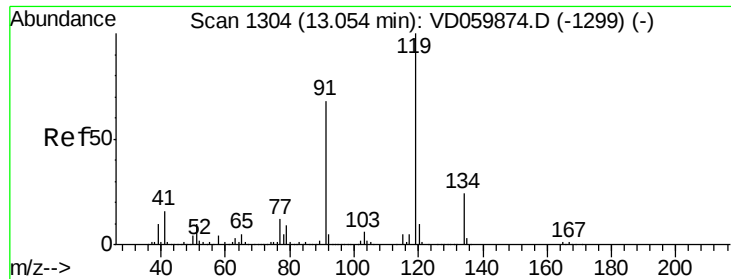
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#82
4-Chlorotoluene
Concen: 21.50 ug/l
RT: 12.81 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	17.1	51.2





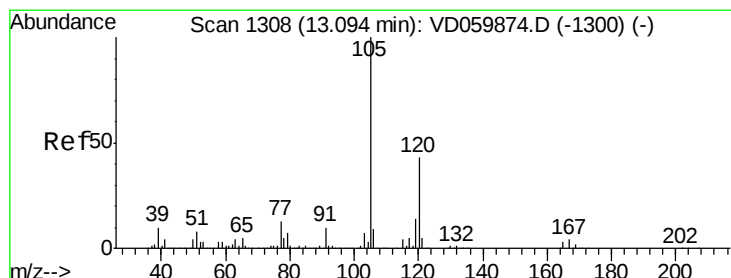
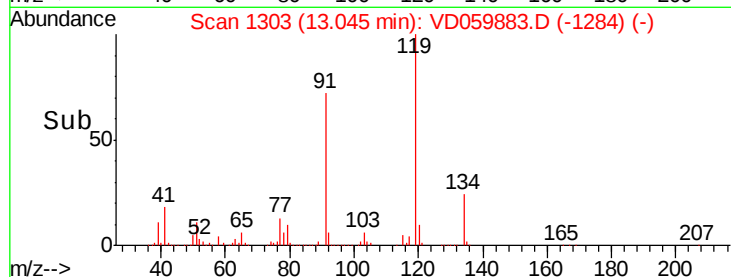
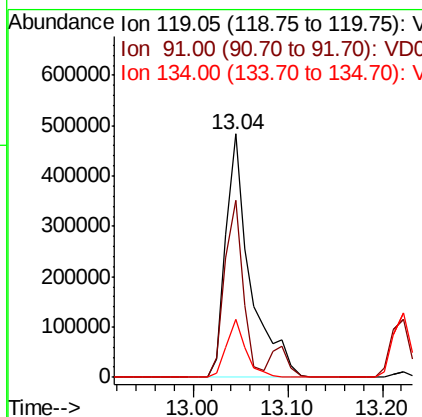
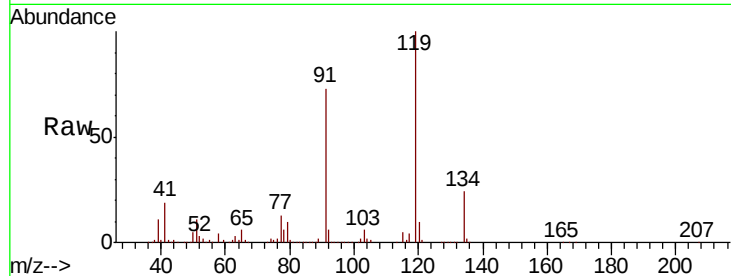
#83
tert-Butylbenzene
Concen: 21.37 ug/l
RT: 13.04 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	870478		
91	72.8		34.3	102.9
134	24.0		11.9	35.9

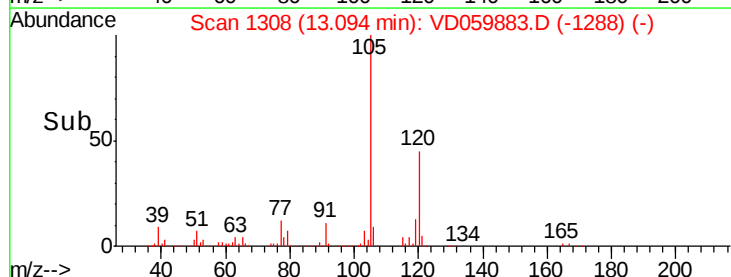
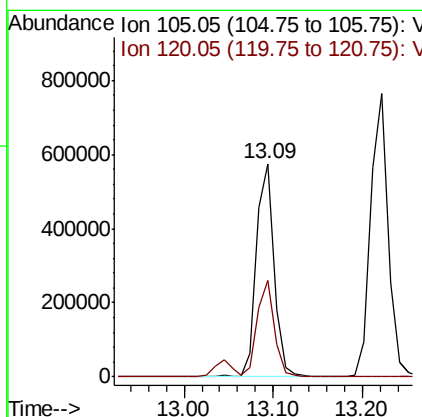
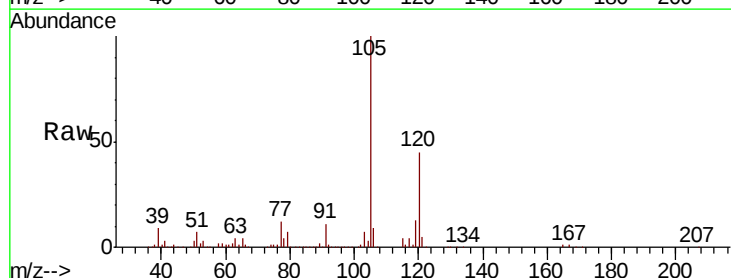
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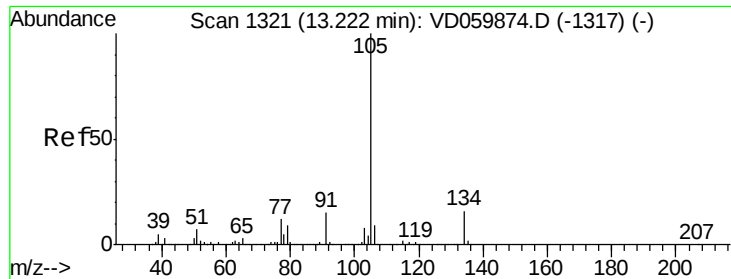
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#84
1,2,4-Trimethylbenzene
Concen: 21.07 ug/l
RT: 13.09 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	785526		
120	45.3		21.8	65.3





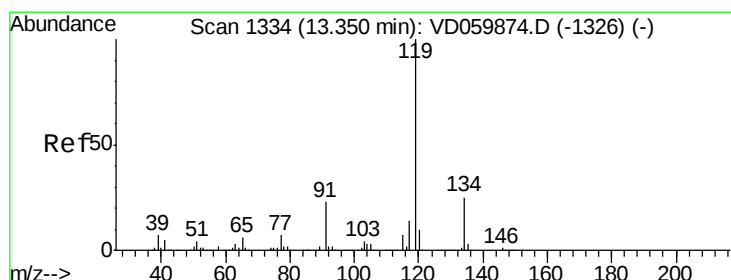
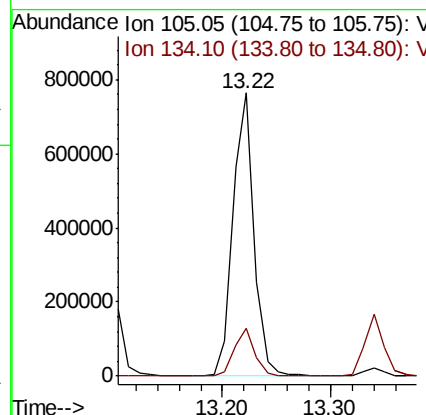
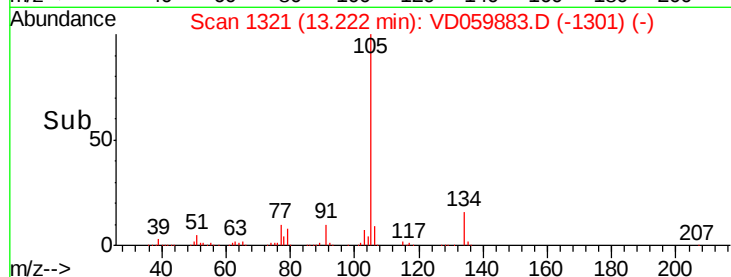
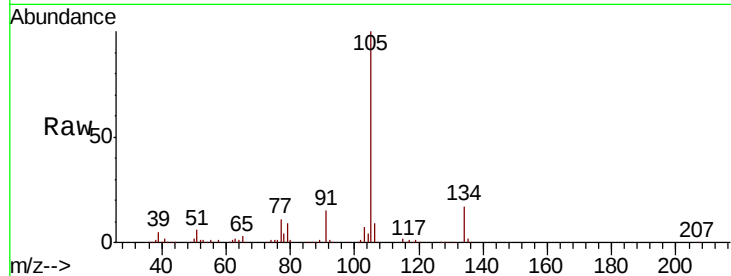
#85
 sec-Butylbenzene
 Concen: 21.38 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion:105 Resp: 1024317
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.4

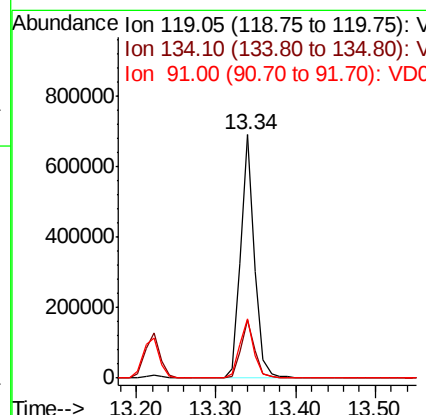
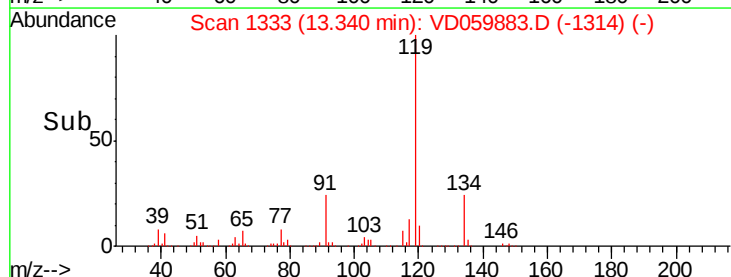
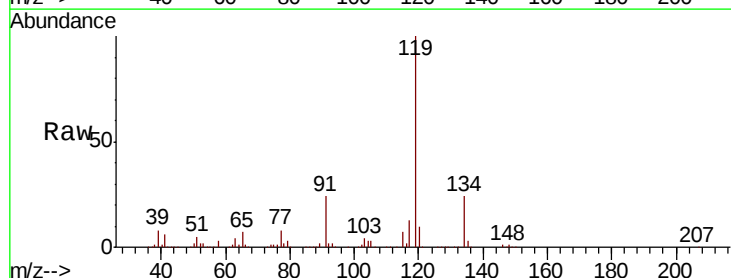
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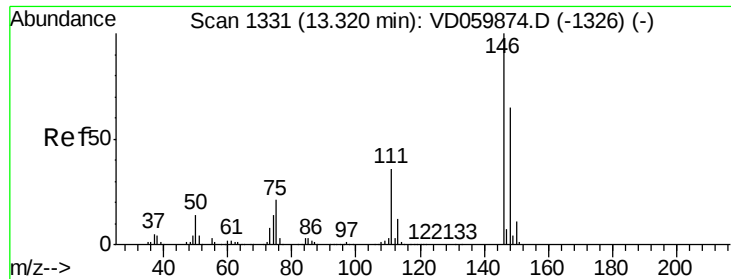
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#86
 p-Isopropyltoluene
 Concen: 21.59 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion:119 Resp: 841310
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.7 38.1
 91 24.4 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 21.08 ug/l

RT: 13.31 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD059883.D

Acq: 23 Aug 2018 12:49

Instrument :

MSVOA_D

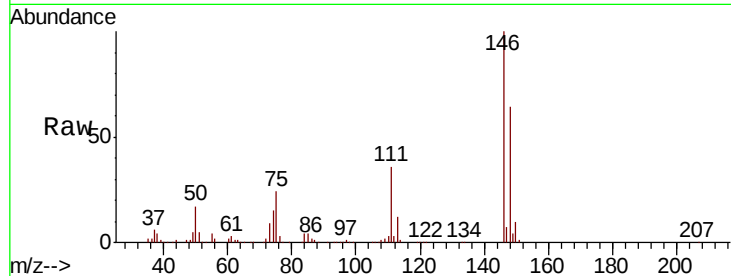
ClientSampleId :

VD0823SBS01

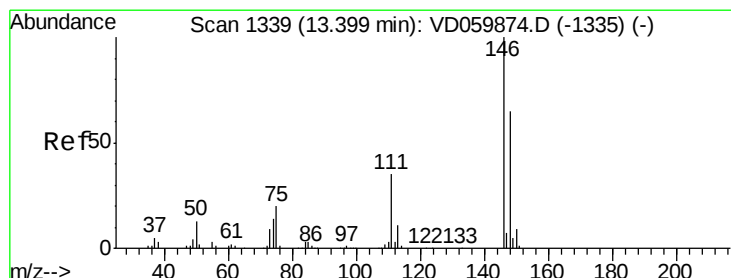
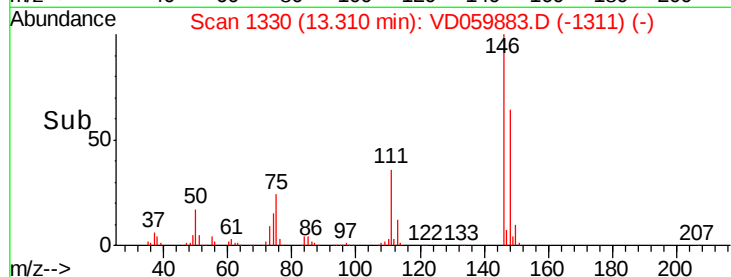
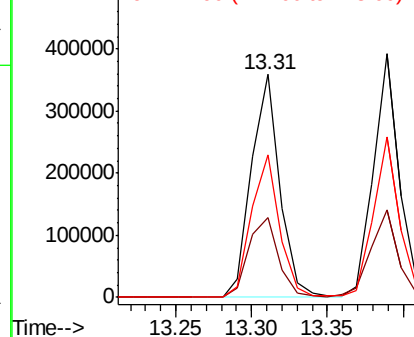
Tot Ion:	146	Resp:	469478
Ion Ratio	Lower	Upper	
146	100		
111	35.6	17.9	53.7
148	64.0	32.4	97.0

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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.16 ug/l

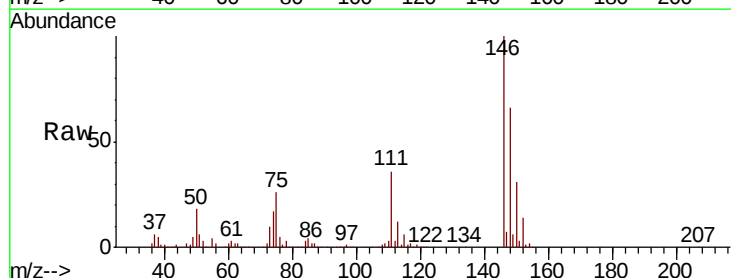
RT: 13.39 min Scan# 1338

Delta R.T. -0.01 min

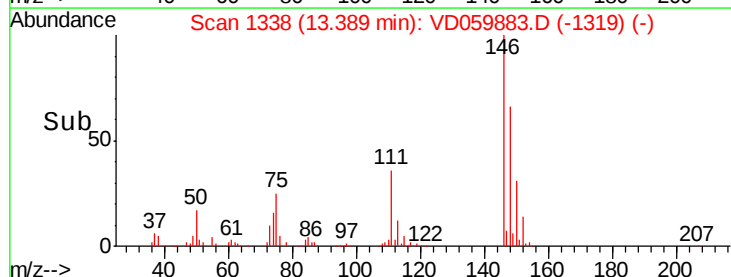
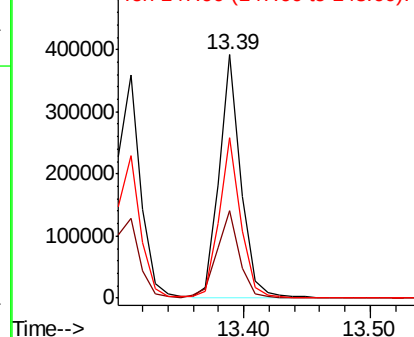
Lab File: VD059883.D

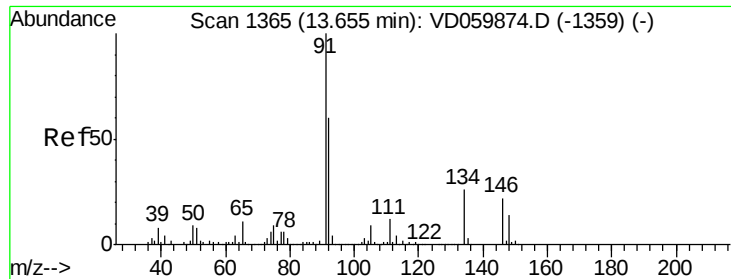
Acq: 23 Aug 2018 12:49

Tgt Ion:	146	Resp:	469987
Ion Ratio	Lower	Upper	
146	100		
111	35.7	17.5	52.6
148	65.8	32.5	97.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





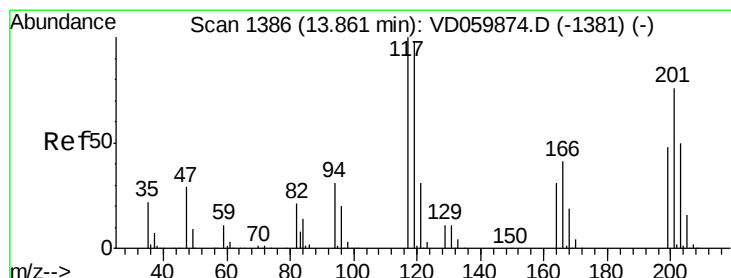
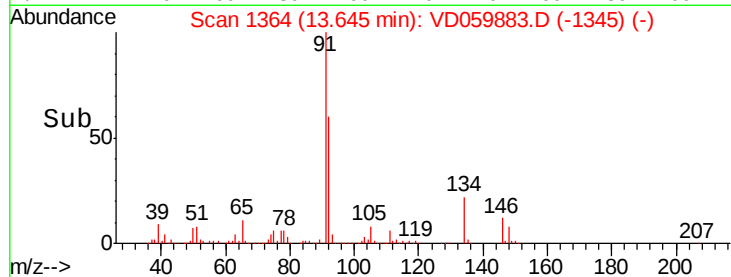
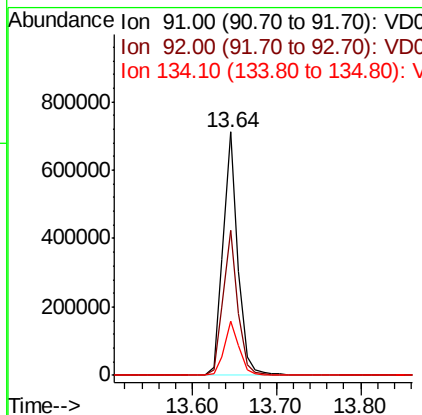
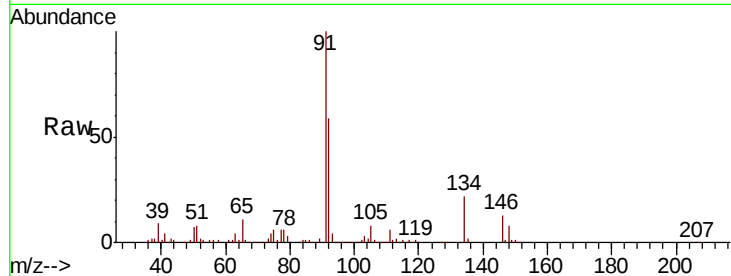
#89
n-Butylbenzene
Concen: 20.74 ug/l
RT: 13.64 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	871352		
92	59.5	30.0	90.1	
134	22.2	12.8	38.4	

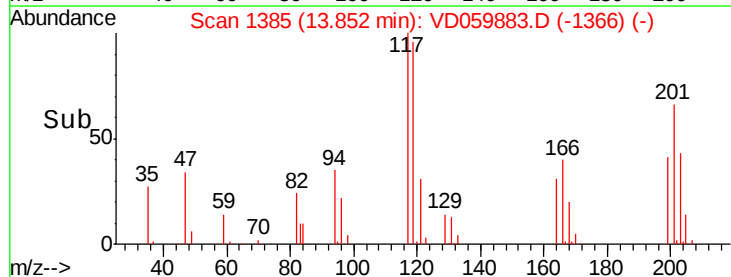
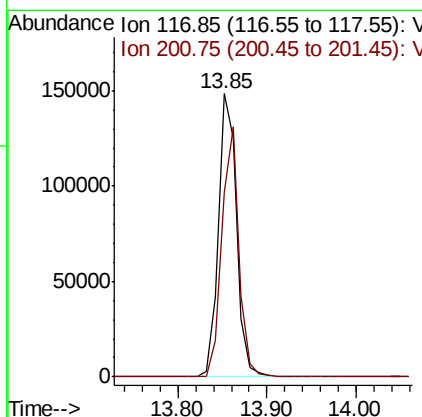
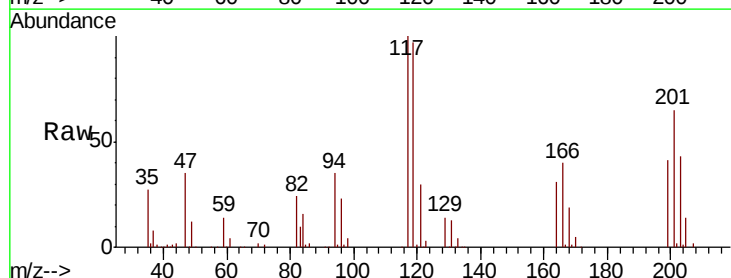
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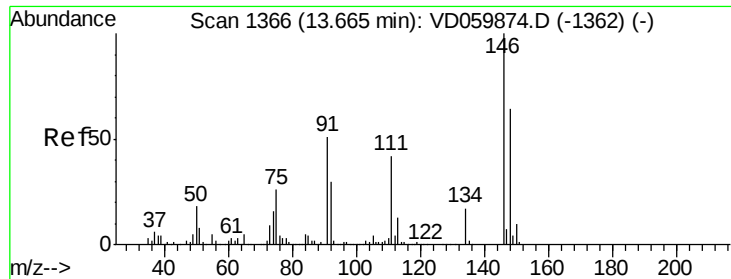
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#90
Hexachloroethane
Concen: 20.26 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	212012		
201	65.4	38.1	114.5	





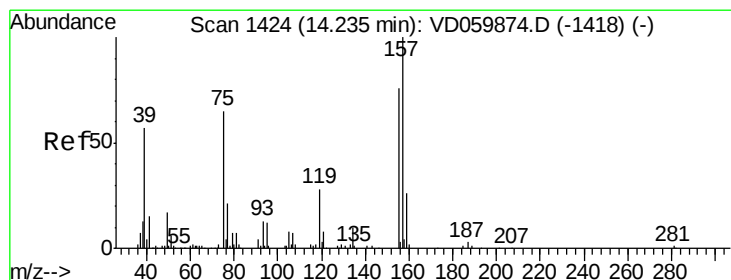
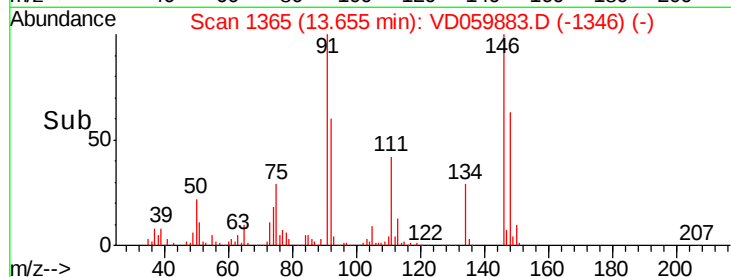
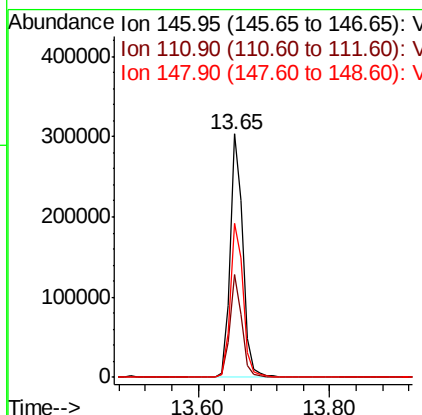
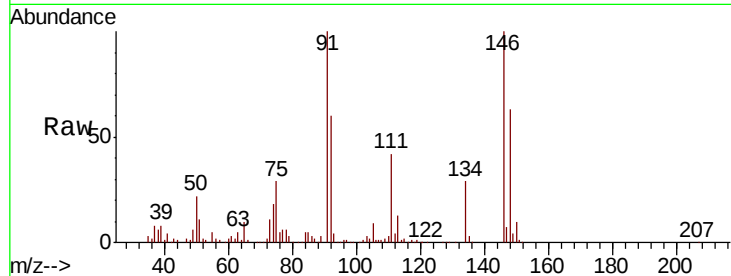
#91
 1,2-Dichlorobenzene
 Concen: 21.69 ug/l
 RT: 13.65 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	63.5	32.2	96.6

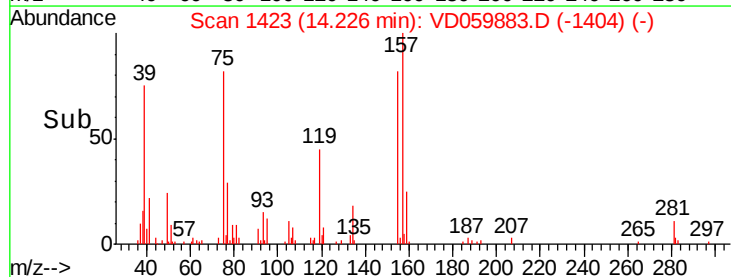
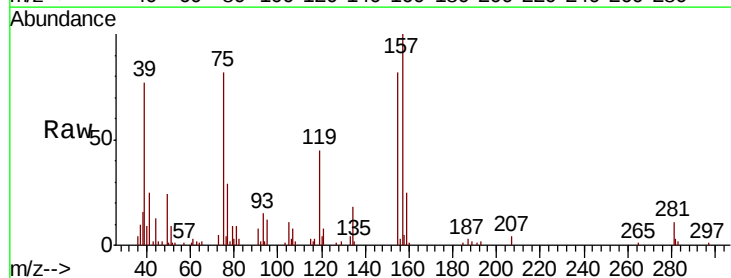
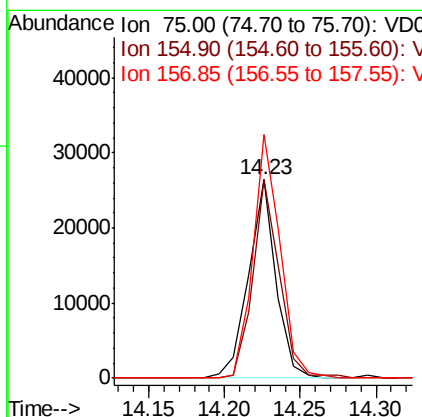
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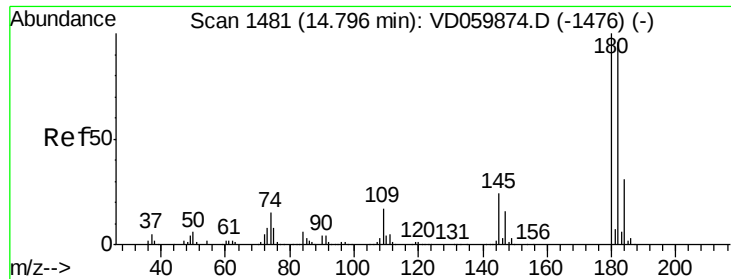
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.70 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	58.2	174.6
157	122.7	76.8	230.4





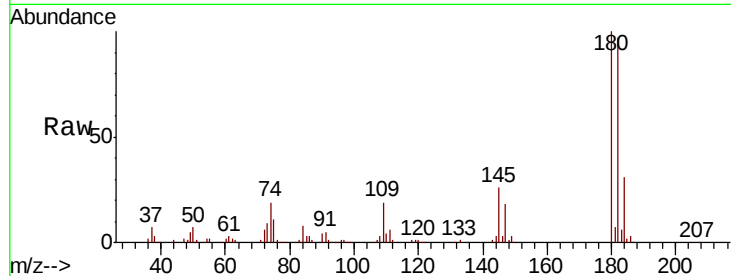
#93
 1,2,4-Trichlorobenzene
 Concen: 20.15 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

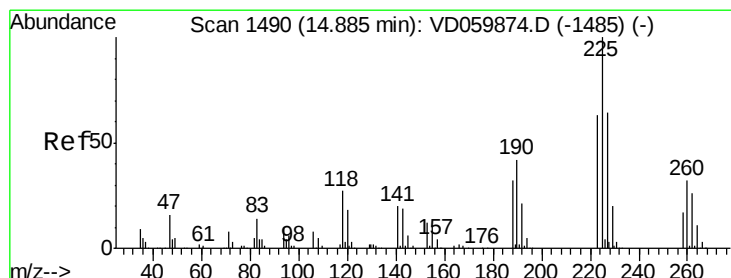
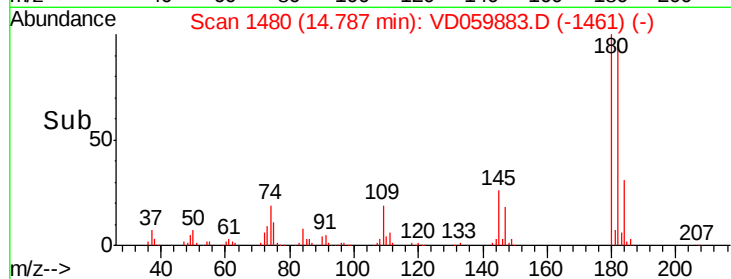
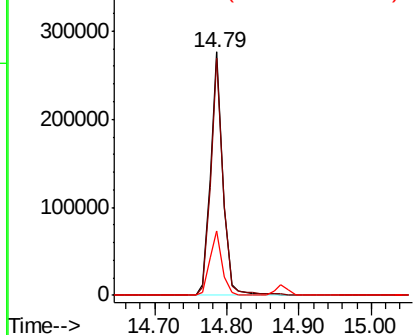
Tot Ion	Ratio	Resp	Lower	Upper
180	100	326665		
182	97.2	47.9	143.7	
145	26.3	12.2	36.4	

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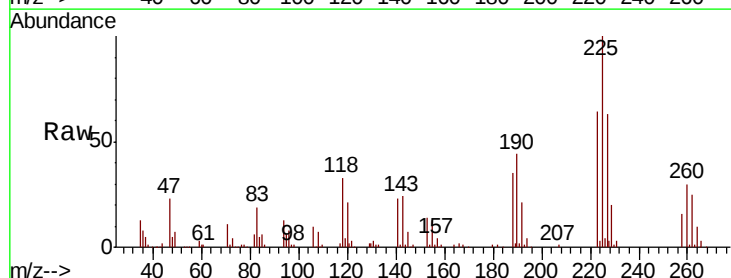


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

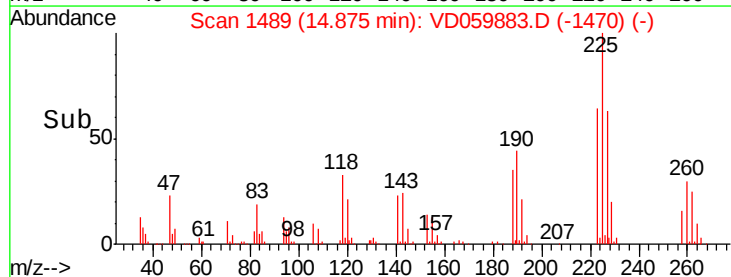
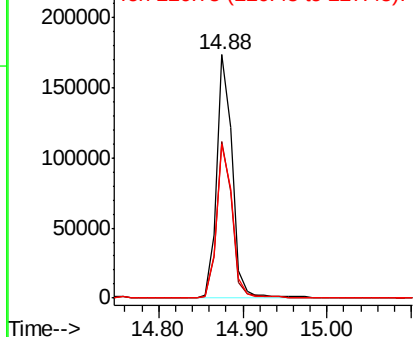


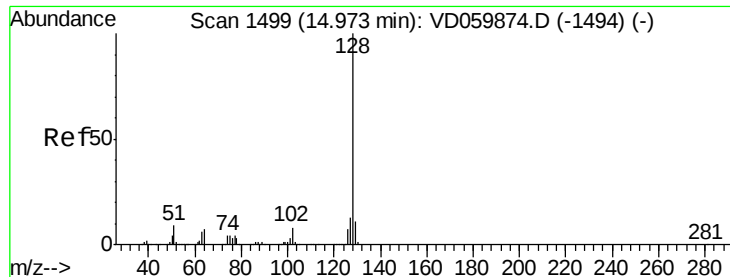
#94
 Hexachlorobutadiene
 Concen: 21.10 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059883.D
 Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	224170		
223	64.3	31.6	94.8	
227	63.5	32.0	96.0	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





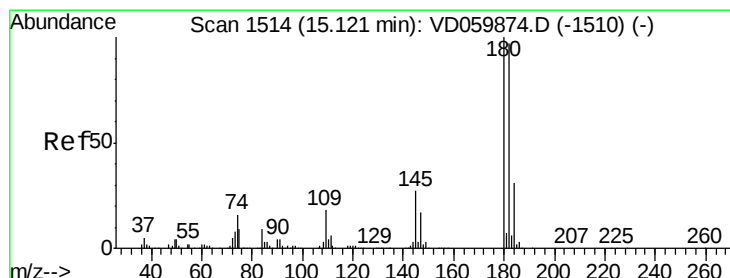
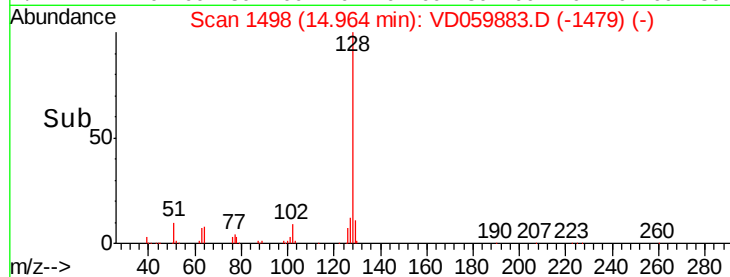
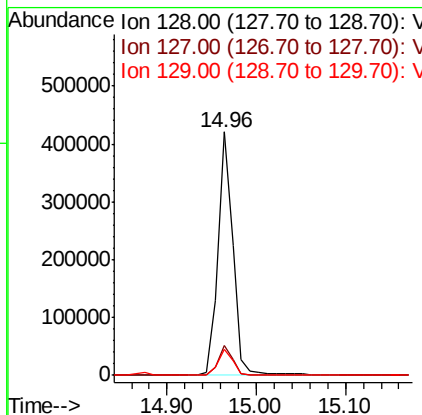
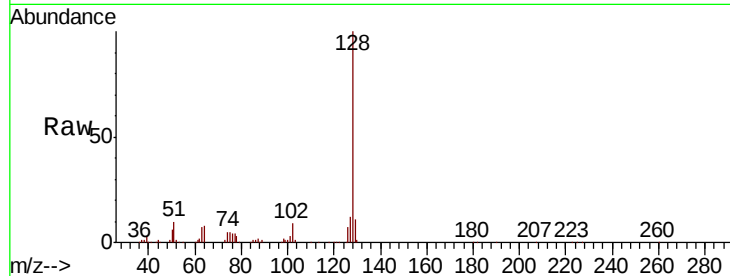
#95
Naphthalene
Concen: 20.05 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.0	15.0
129	10.9	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 20.38 ug/l
RT: 15.11 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059883.D
Acq: 23 Aug 2018 12:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	48.6	145.8
145	29.8	13.6	40.8

