

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059884.D
 Acq On : 23 Aug 2018 13:17
 Operator : JC/SY
 Sample : VD0823SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Manual Integrations
 APPROVED

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 8/24/2018 3:09:07 PM

Quant Time: Aug 23 14:53:00 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	1150605	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1593557	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1318738	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	720389	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	494677	51.01	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	6.31	113	631755	50.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	9.45	98	1753311	50.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.42	95	683938	48.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	175253	17.04	ug/l	98
3) Chloromethane	1.75	50	164414	17.65	ug/l	97
4) Vinyl Chloride	1.84	62	130690	17.89	ug/l	98
5) Bromomethane	2.12	94	12952	10.27	ug/l	82
6) Chloroethane	2.23	64	31344	11.84	ug/l	94
7) Trichlorofluoromethane	2.49	101	144798	17.13	ug/l	100
8) Diethyl Ether	2.81	74	36249	19.12	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	103033	19.91	ug/l	96
10) Methyl Iodide	3.22	142	74512	16.04	ug/l	96
11) Tert butyl alcohol	3.97	59	75938	102.62	ug/l #	93
12) 1,1-Dichloroethene	3.06	96	77055	19.12	ug/l	98
13) Acrolein	2.97	56	25510	79.48	ug/l	96
14) Allyl chloride	3.52	41	174120	19.10	ug/l	96
15) Acrylonitrile	4.07	53	279244	100.77	ug/l	98
16) Acetone	3.14	43	161609	91.47	ug/l	97
17) Carbon Disulfide	3.29	76	198531	15.87	ug/l	99
18) Methyl Acetate	3.54	43	63584	17.24	ug/l	97
19) Methyl tert-butyl Ether	4.11	73	458329	20.11	ug/l	100
20) Methylene Chloride	3.71	84	259518	19.76	ug/l	96
21) trans-1,2-Dichloroethene	4.08	96	199273	17.95	ug/l	92
22) Diisopropyl ether	4.85	45	919846	19.79	ug/l	96
23) Vinyl Acetate	4.79	43	2755364	106.02	ug/l	99
24) 1,1-Dichloroethane	4.74	63	390784	19.46	ug/l	99
25) 2-Butanone	5.61	43	463502	88.58	ug/l	100
26) 2,2-Dichloropropane	5.58	77	324188	19.31	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	236345	19.44	ug/l	98
28) Bromochloromethane	5.91	49	194230	20.18	ug/l	99
29) Tetrahydrofuran	5.95	42	244537	98.16	ug/l	100
30) Chloroform	6.09	83	407780	19.98	ug/l	100
31) Cyclohexane	6.35	56	318536	17.25	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	330169	19.06	ug/l	97
36) 1,1-Dichloropropene	6.51	75	277898	19.24	ug/l	93
37) Ethyl Acetate	5.68	43	233386	20.76	ug/l	97
38) Carbon Tetrachloride	6.49	117	282913	19.41	ug/l	96

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Quant Time: Aug 23 14:53:00 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)
39) Methylcyclohexane	8.04	83	268039	17.17	ug/l	97
40) Benzene	6.79	78	679636	18.09	ug/l	98
41) Methacrylonitrile	5.91	41	109175m	19.28	ug/l	
42) 1,2-Dichloroethane	6.88	62	238304	19.76	ug/l	98
43) Isopropyl Acetate	8.34	43	293490	20.07	ug/l #	98
44) Trichloroethene	7.73	130	208365	18.84	ug/l	96
45) 1,2-Dichloropropane	8.09	63	206532	19.67	ug/l	98
46) Dibromomethane	8.20	93	129768	19.22	ug/l	92
47) Bromodichloromethane	8.49	83	306467	20.05	ug/l	100
48) Methyl methacrylate	8.24	41	167430	19.64	ug/l	97
49) 1,4-Dioxane	8.22	88	29130	382.74	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	1002451	91.95	ug/l	97
52) Toluene	9.54	92	468835	19.47	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	285377	20.19	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	331921	20.25	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	170617	19.38	ug/l	98
56) Ethyl methacrylate	10.02	69	204150	20.09	ug/l	97
57) 1,3-Dichloropropane	10.38	76	260907	20.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	558493	114.58	ug/l	98
59) 2-Hexanone	10.49	43	748604	93.09	ug/l	98
60) Dibromochloromethane	10.63	129	218566	19.75	ug/l	99
61) 1,2-Dibromoethane	10.75	107	176032	19.77	ug/l	98
64) Tetrachloroethene	10.25	164	194733	19.10	ug/l	98
65) Chlorobenzene	11.31	112	538378	20.54	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	198328	20.72	ug/l	100
67) Ethyl Benzene	11.42	91	928362	21.06	ug/l	96
68) m/p-Xylenes	11.56	106	675466	42.08	ug/l	94
69) o-Xylene	11.93	106	321326	20.47	ug/l	94
70) Styrene	11.95	104	557764	20.52	ug/l	97
71) Bromoform	12.11	173	169711	20.49	ug/l	99
73) Isopropylbenzene	12.28	105	861305	18.73	ug/l	99
74) N-amyl acetate	12.13	43	397122	19.72	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	213713	20.09	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	220492	19.69	ug/l	98
77) Bromobenzene	12.54	156	251942	19.76	ug/l	83
78) n-propylbenzene	12.63	91	1145920	19.68	ug/l	97
79) 2-Chlorotoluene	12.70	91	646263	19.62	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	752101	20.57	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.34	75	64890	18.63	ug/l	98
82) 4-Chlorotoluene	12.81	91	776550	20.67	ug/l	96
83) tert-Butylbenzene	13.04	119	820235	19.69	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	757500	19.88	ug/l	97
85) sec-Butylbenzene	13.22	105	934340	19.08	ug/l	98
86) p-Isopropyltoluene	13.34	119	783383	19.67	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	443359	19.48	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	447810	19.72	ug/l	99
89) n-Butylbenzene	13.64	91	839867	19.41	ug/l	97
90) Hexachloroethane	13.85	117	195191	18.25	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	409931	21.18	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	33232	20.32	ug/l	82

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Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.79	180	323951	19.55	ug/l	99
94) Hexachlorobutadiene	14.87	225	216458	19.93	ug/l	98
95) Naphthalene	14.96	128	489827	19.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	274371	19.36	ug/l	97

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

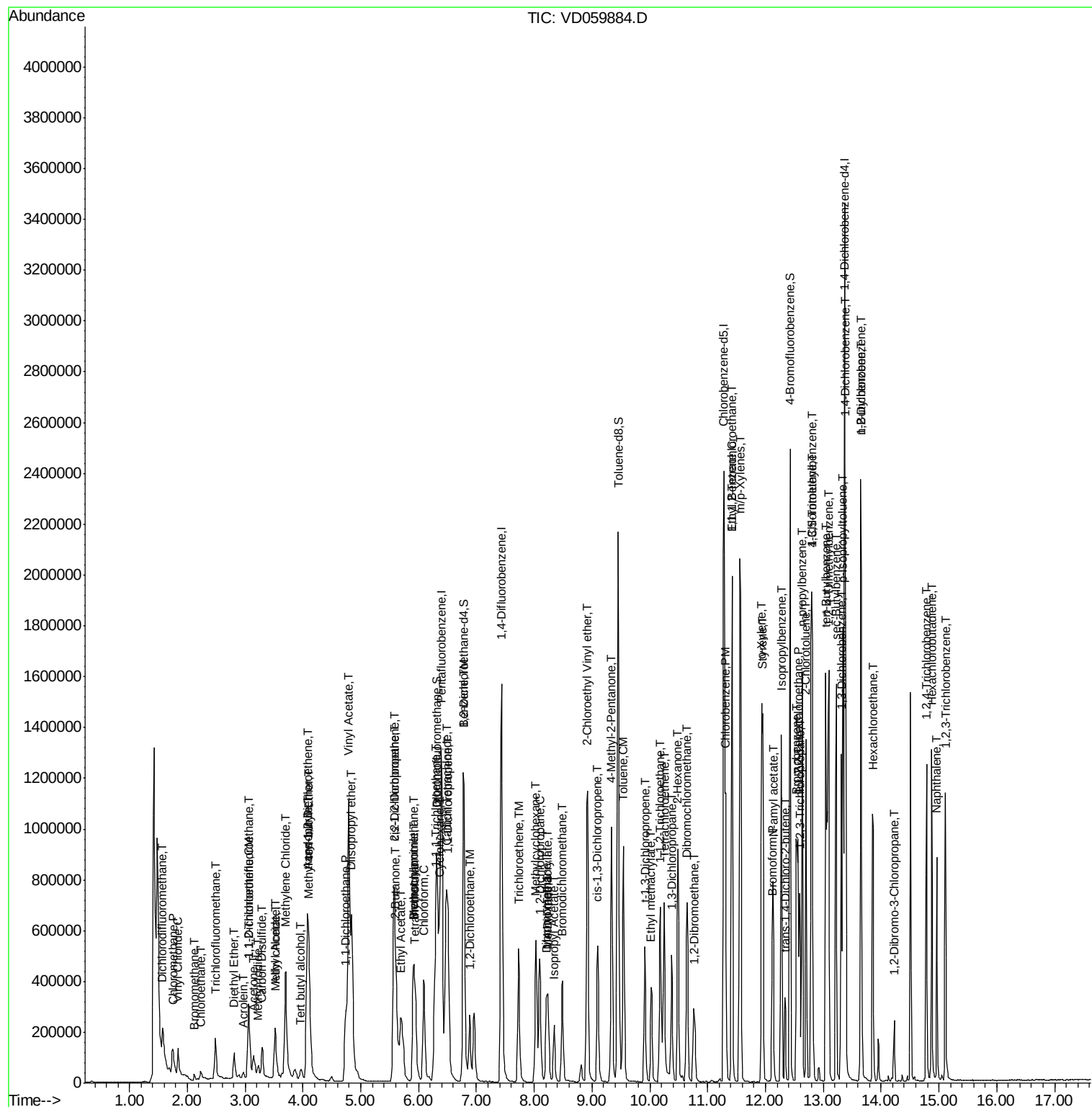
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Data File : VD059884.D
Acq On : 23 Aug 2018 13:17
Operator : JC/SY
Sample : VD0823SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

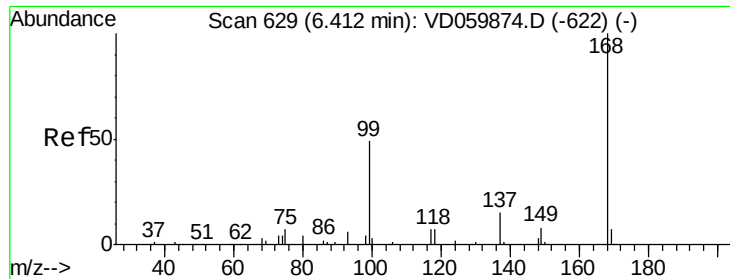
Instrument :
MSVOA_D
ClientSampleID :
VD0823SBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion:168 Resp: 1150605

Ion Ratio Lower Upper

168 100

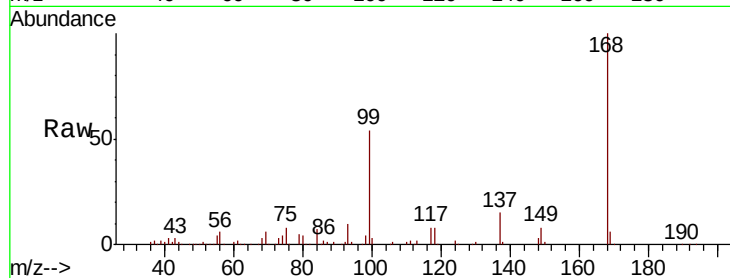
99 53.7 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

400000

300000

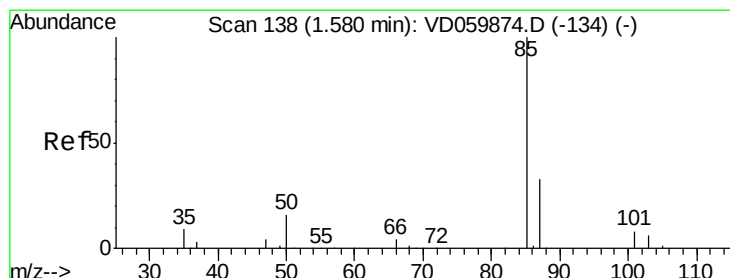
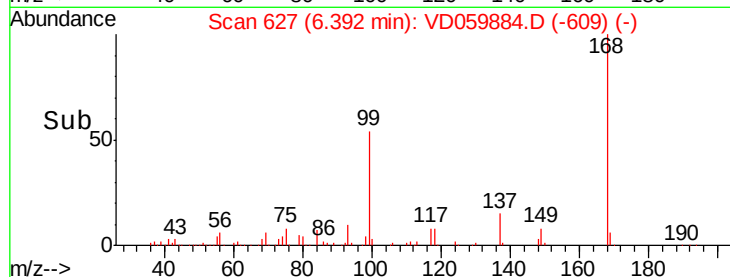
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.04 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059884.D

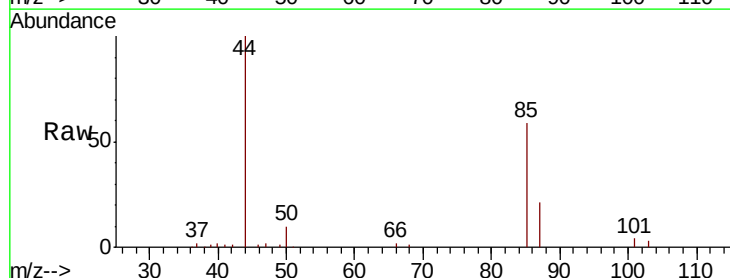
Acq: 23 Aug 2018 13:17

Tgt Ion: 85 Resp: 175253

Ion Ratio Lower Upper

85 100

87 34.6 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

60000

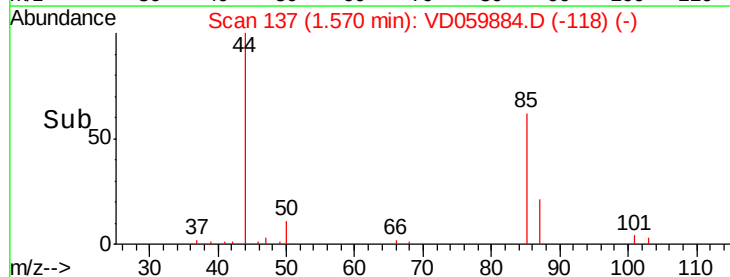
40000

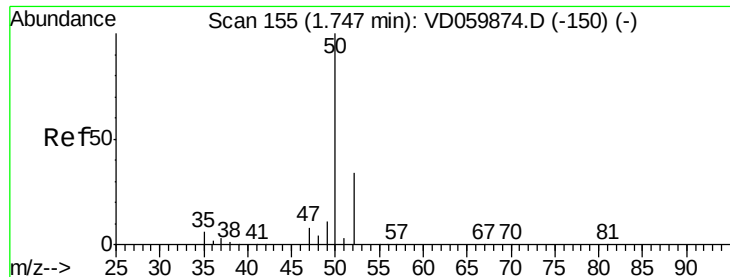
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 17.65 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 50 Resp: 164414

Ion Ratio Lower Upper

50 100

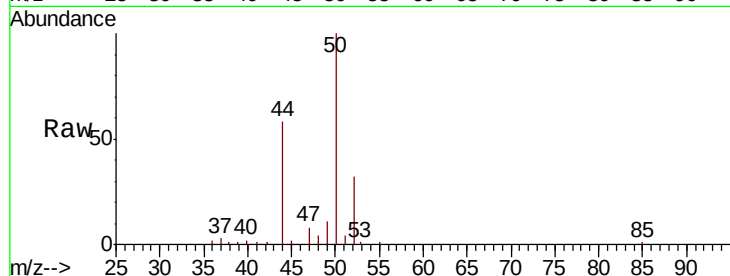
52 31.9 27.0 40.6

Manual Integrations

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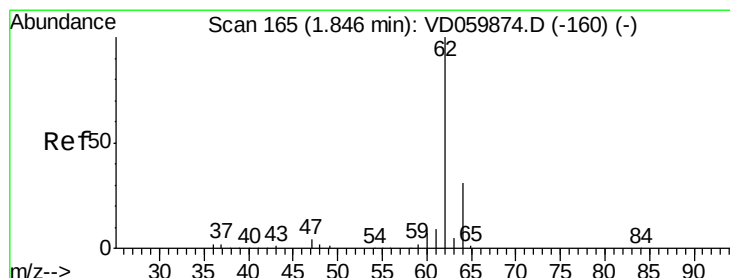
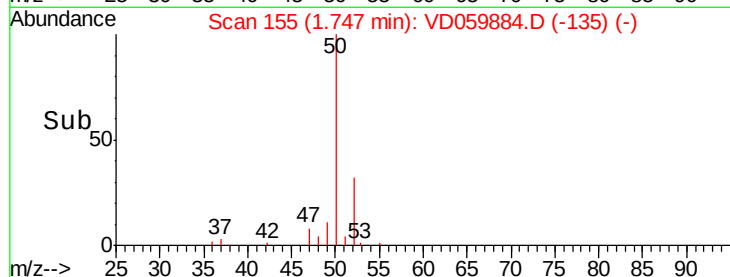
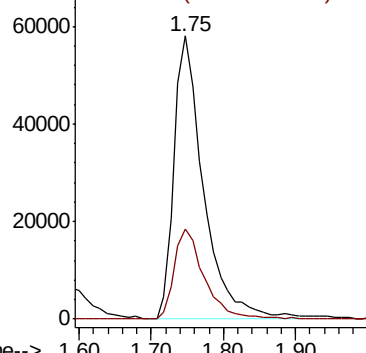
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.89 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059884.D

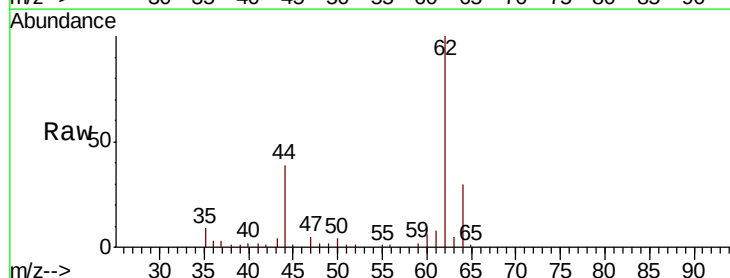
Acq: 23 Aug 2018 13:17

Tgt Ion: 62 Resp: 130690

Ion Ratio Lower Upper

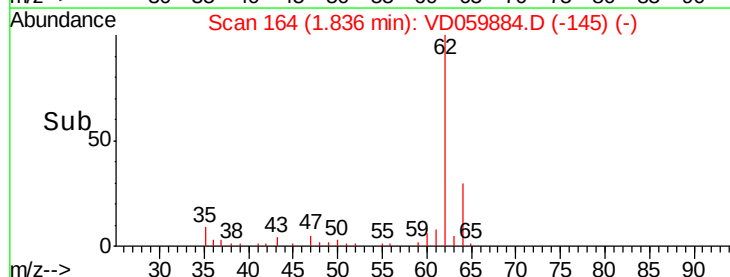
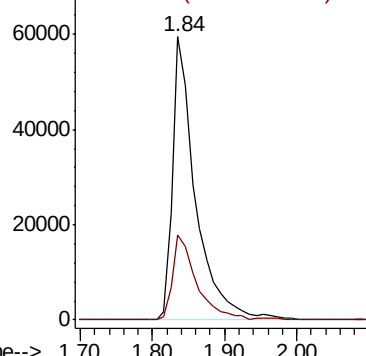
62 100

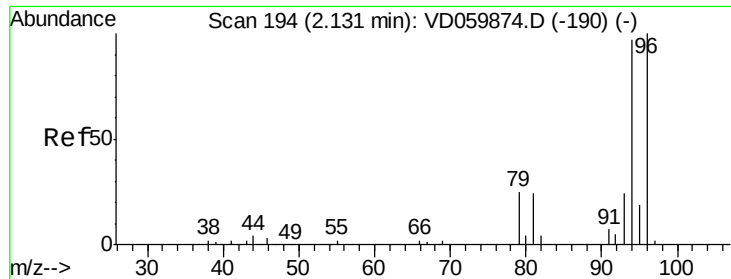
64 30.1 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 10.27 ug/l

RT: 2.12 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Tot Ion: 94 Resp: 12952

Ion Ratio Lower Upper

94 100

96 84.3 82.4 123.6

Instrument :

MSVOA_D

ClientSampleId :

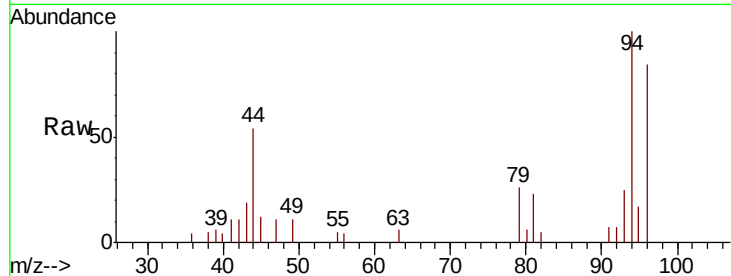
VD0823SBS01

Manual Integrations

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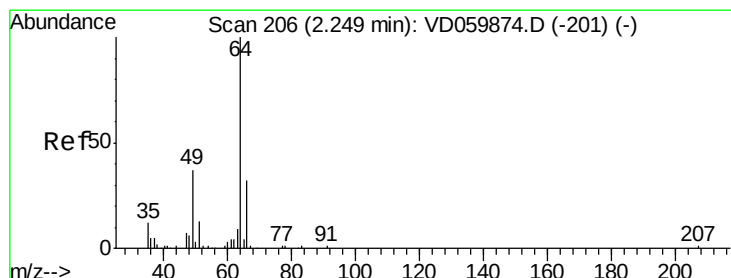
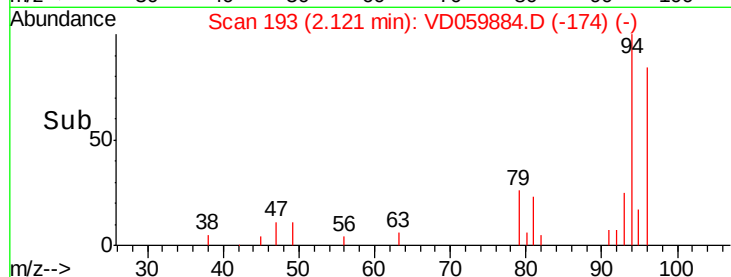
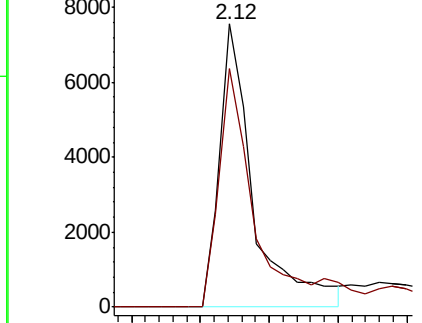
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.84 ug/l

RT: 2.23 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD059884.D

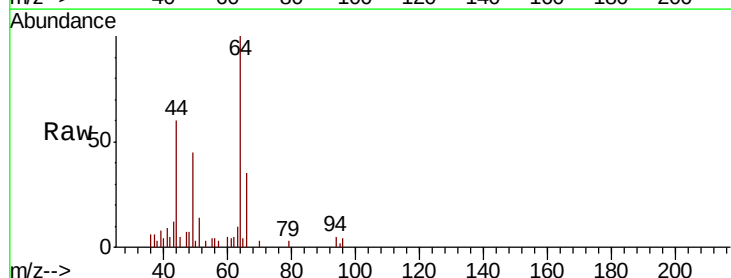
Acq: 23 Aug 2018 13:17

Tgt Ion: 64 Resp: 31344

Ion Ratio Lower Upper

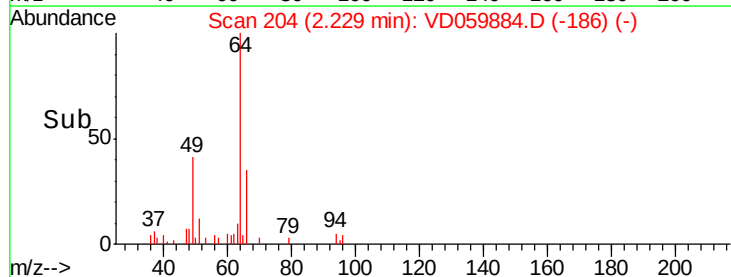
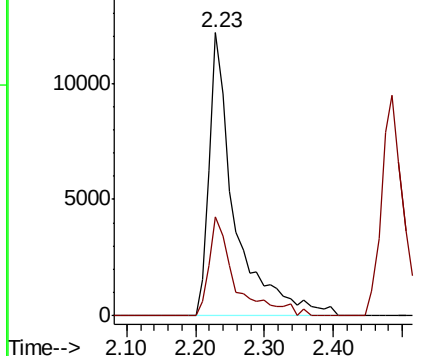
64 100

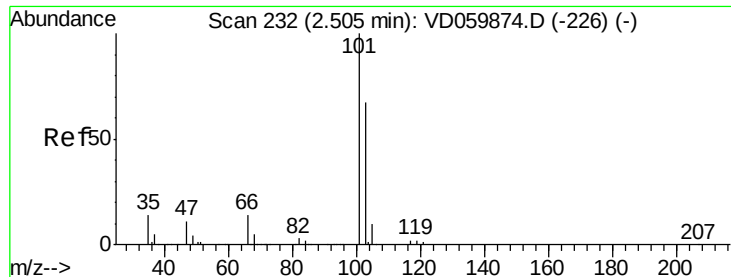
66 35.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 17.13 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion:101 Resp: 144798

Ion Ratio Lower Upper

101 100

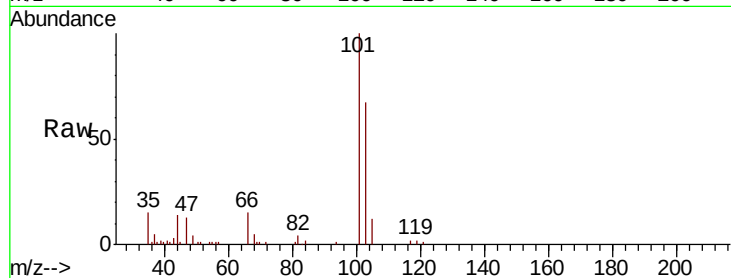
103 67.3 53.7 80.5

Manual Integrations

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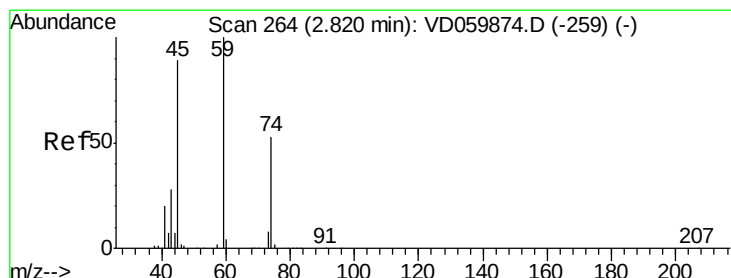
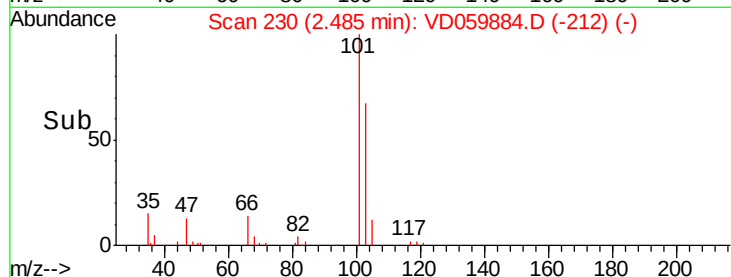
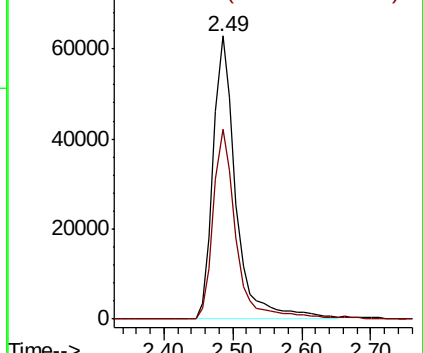
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 19.12 ug/l

RT: 2.81 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD059884.D

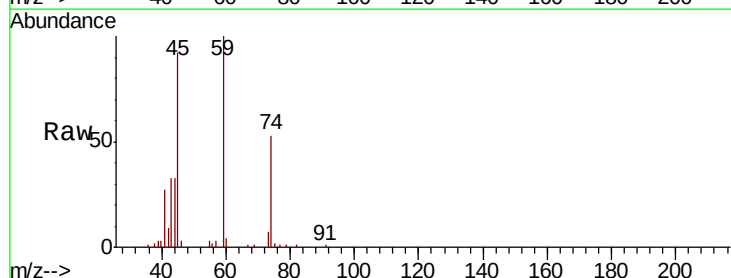
Acq: 23 Aug 2018 13:17

Tgt Ion: 74 Resp: 36249

Ion Ratio Lower Upper

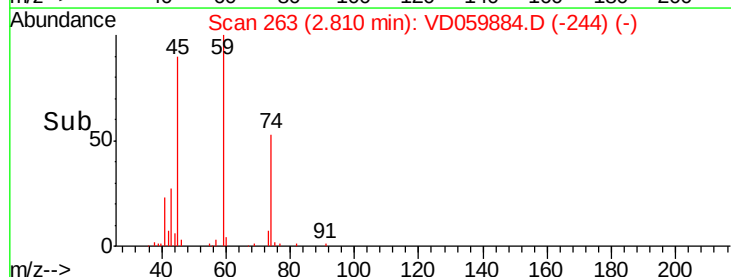
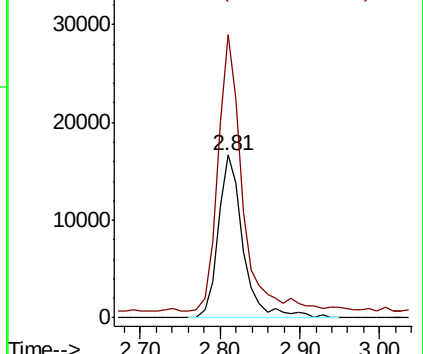
74 100

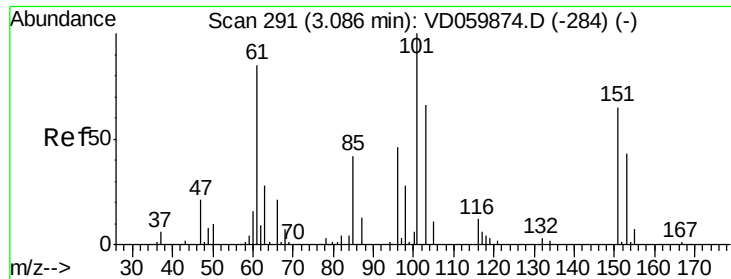
45 174.2 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.91 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

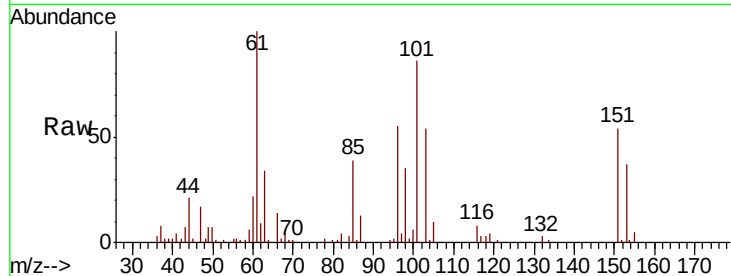
ClientSampleId :

VD0823SBS01

Tot Ion:	101	Resp:	103033
Ion Ratio	Lower	Upper	
101	100		
85	45.5	33.6	50.4
151	62.5	52.0	78.0

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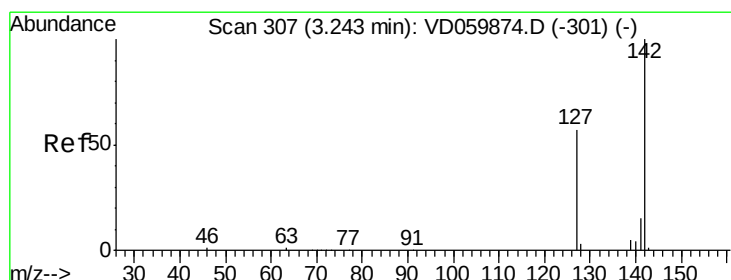
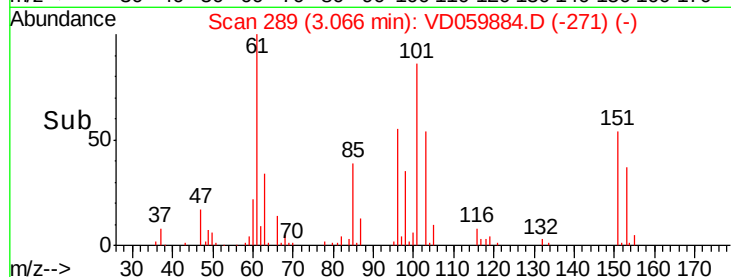
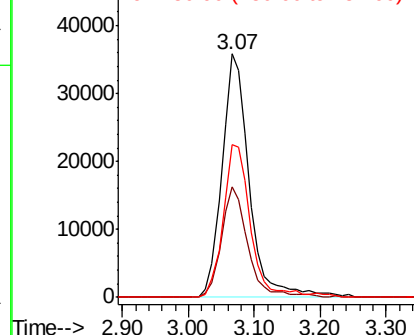


Abundance

Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.04 ug/l

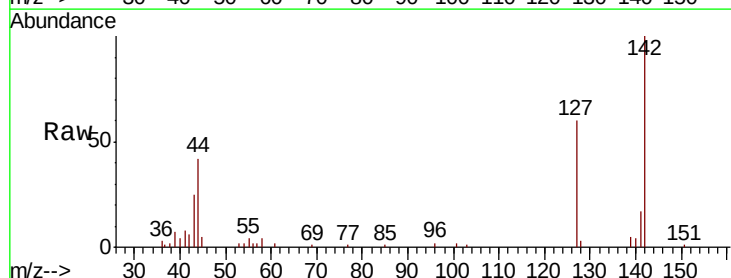
RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Tgt Ion:	142	Resp:	74512
Ion Ratio	Lower	Upper	
142	100		
127	60.1	45.8	68.6
141	16.9	11.6	17.4

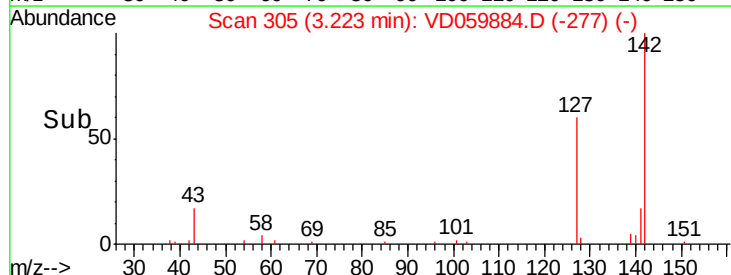
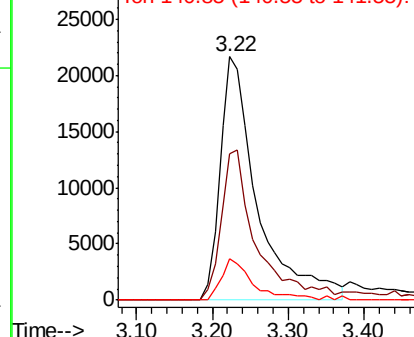


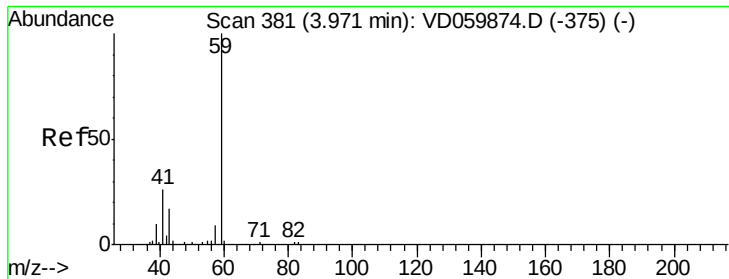
Abundance

Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





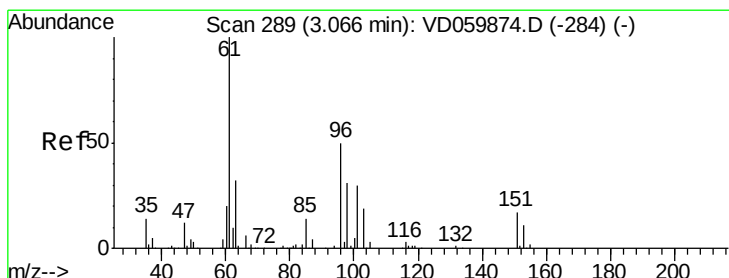
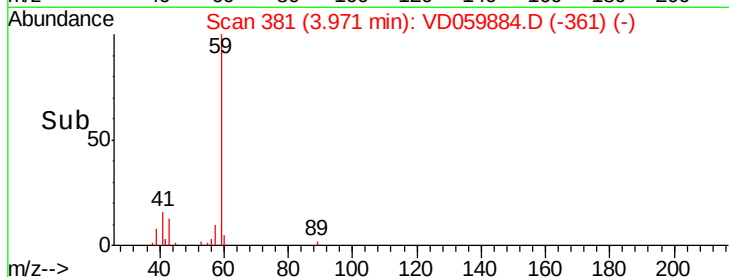
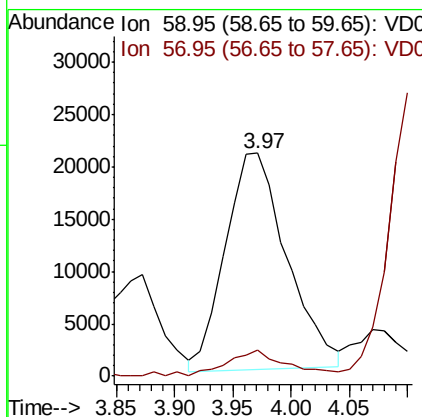
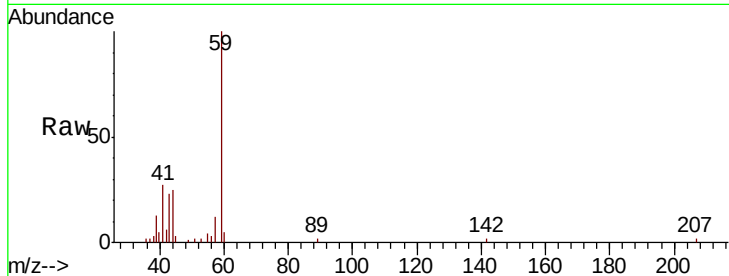
#11
Tert butyl alcohol
Concen: 102.62 ug/l
RT: 3.97 min Scan# 381
Delta R.T. -0.00 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

Tot Ion: 59 Resp: 75938
Ion Ratio Lower Upper
59 100
57 11.7 7.4 11.0#

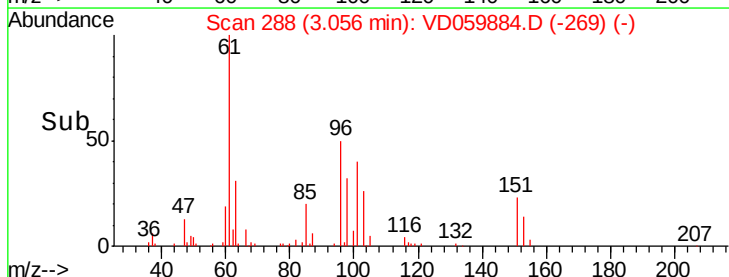
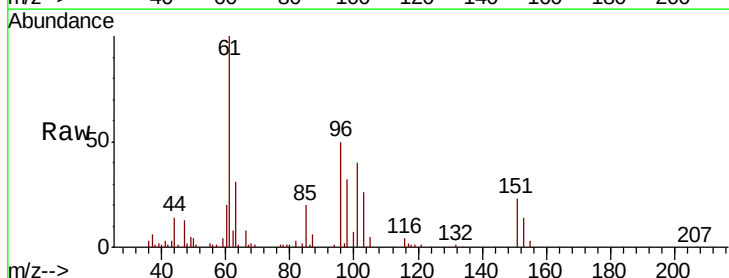
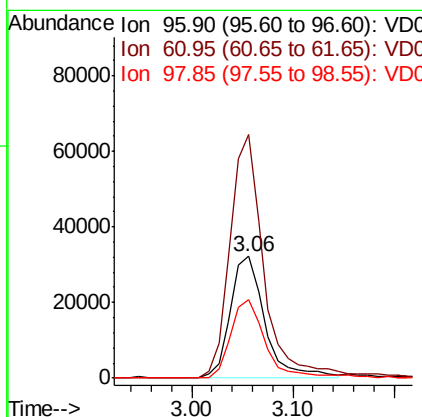
Manual Integrations
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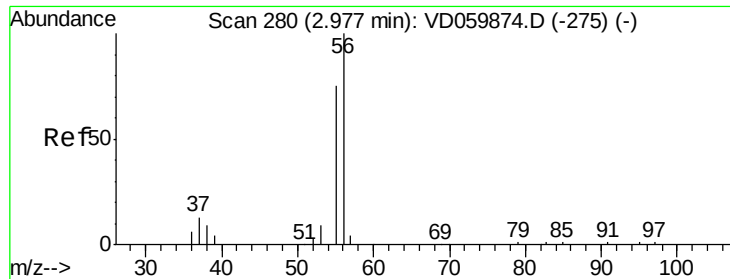
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.12 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion: 96 Resp: 77055
Ion Ratio Lower Upper
96 100
61 199.7 158.8 238.2
98 64.2 48.7 73.1





#13

Acrolein

Concen: 79.48 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

Tot Ion: 56 Resp: 25510

Ion Ratio Lower Upper

56 100

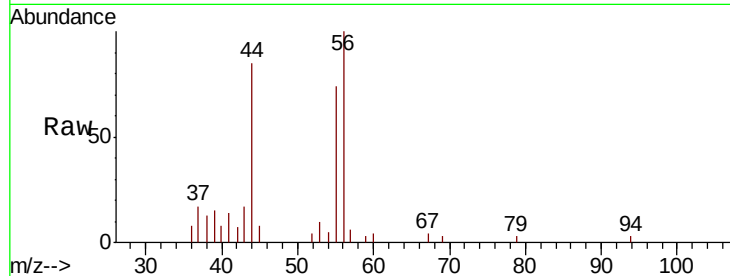
55 73.7 61.9 92.9

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

2000

0

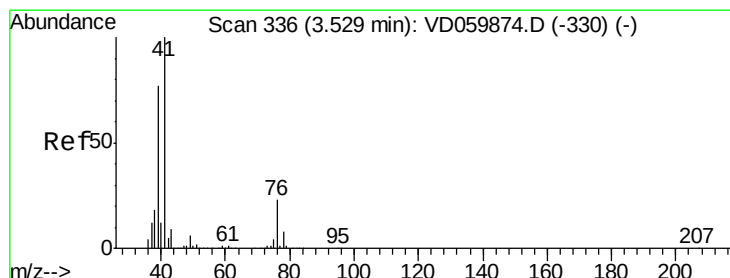
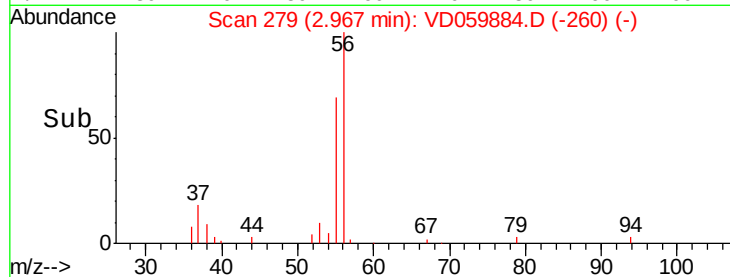
2.97

2.90

3.00

3.10

Time-->



#14

Allyl chloride

Concen: 19.10 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

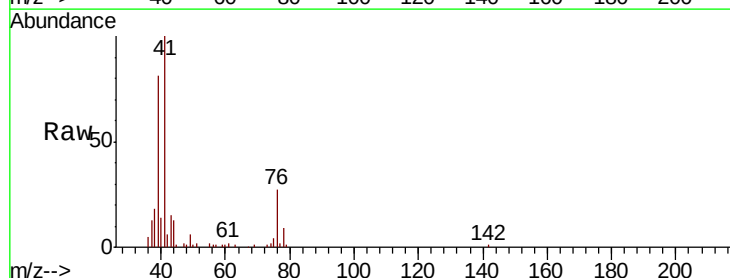
Tgt Ion: 41 Resp: 174120

Ion Ratio Lower Upper

41 100

39 80.6 61.8 92.6

76 26.8 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

80000

60000

40000

20000

0

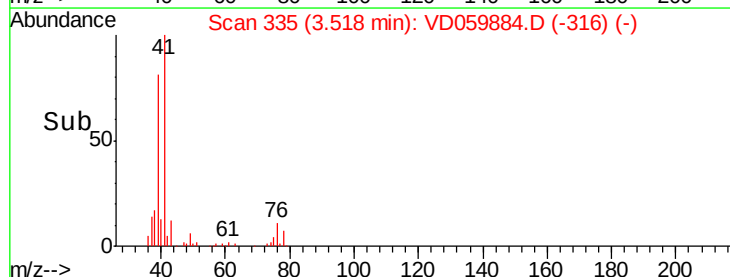
3.52

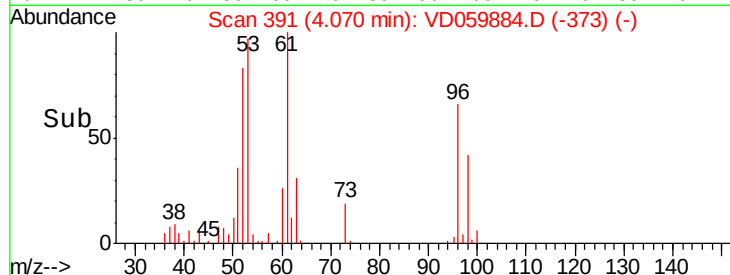
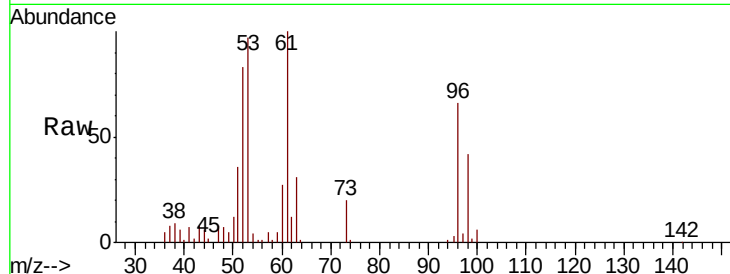
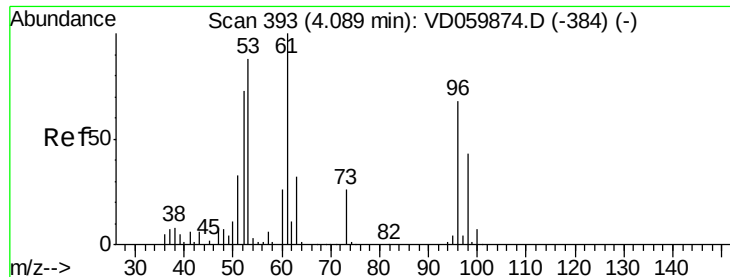
3.40

3.50

3.60

Time-->





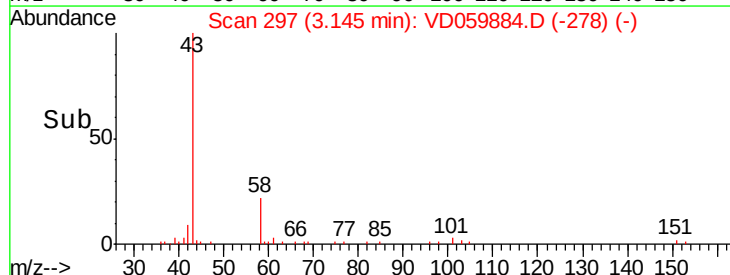
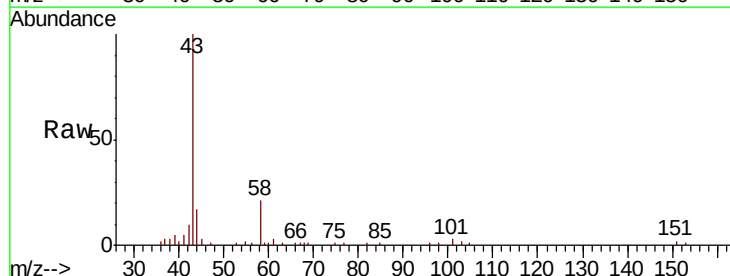
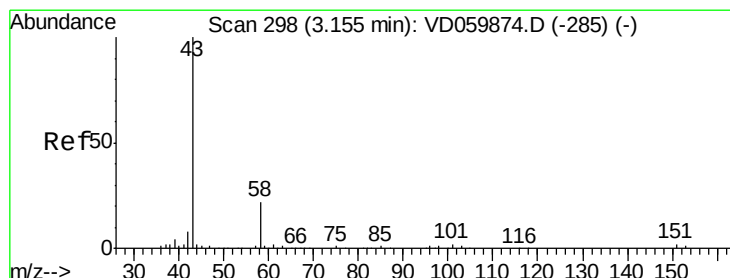
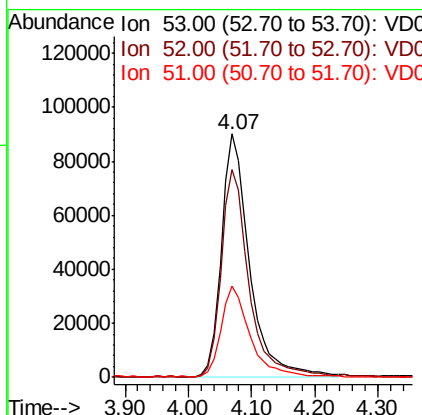
#15
Acrylonitrile
Concen: 100.77 ug/l
RT: 4.07 min Scan# 391
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tot Ion	53	52	51
Resp	279244	85.2	37.3
Lower		66.9	30.3
Upper		100.3	45.5

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

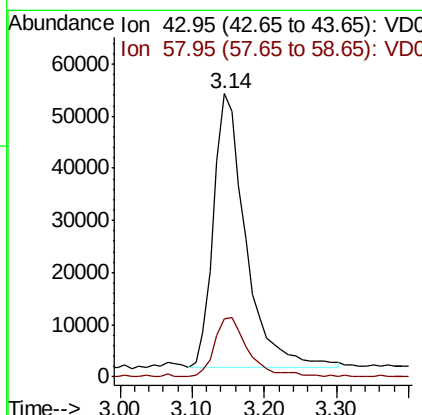
Manual Integrations
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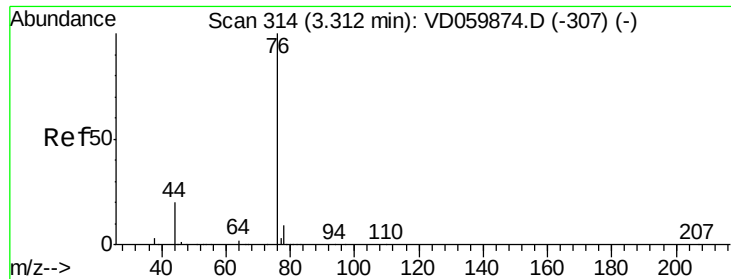
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#16
Acetone
Concen: 91.47 ug/l
RT: 3.14 min Scan# 297
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	43	58
Resp	161609	20.7
Lower		17.6
Upper		26.4





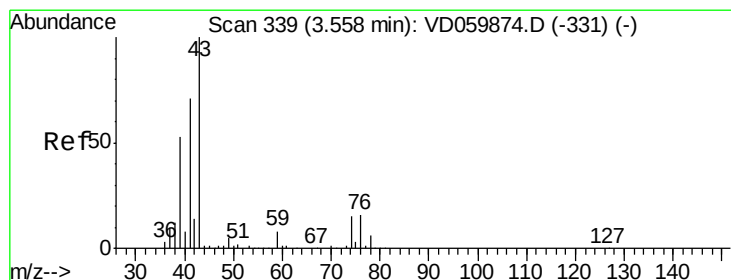
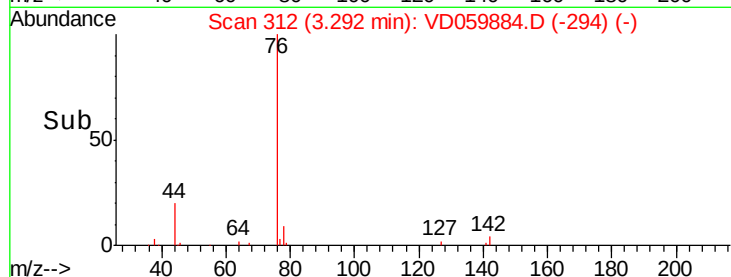
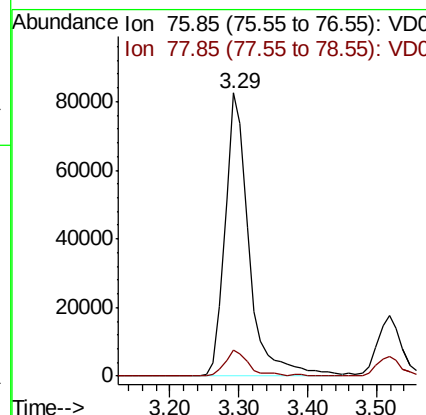
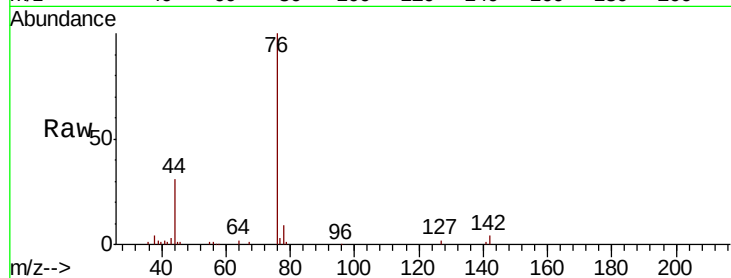
#17
Carbon Disulfide
Concen: 15.87 ug/l
RT: 3.29 min Scan# 312
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

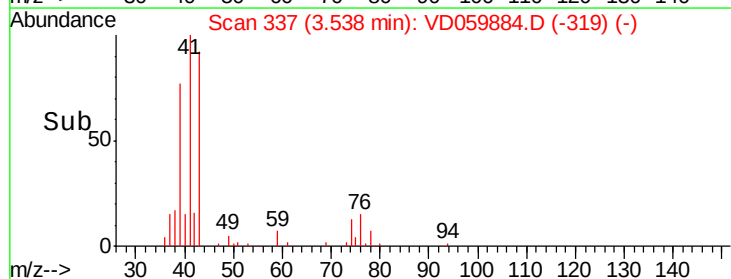
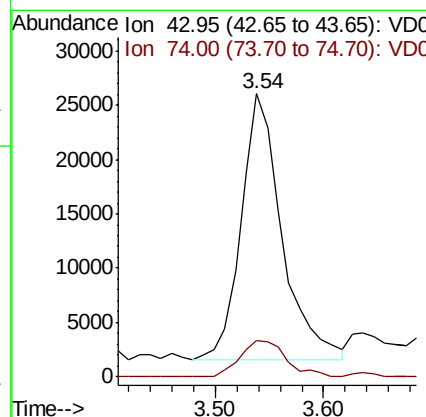
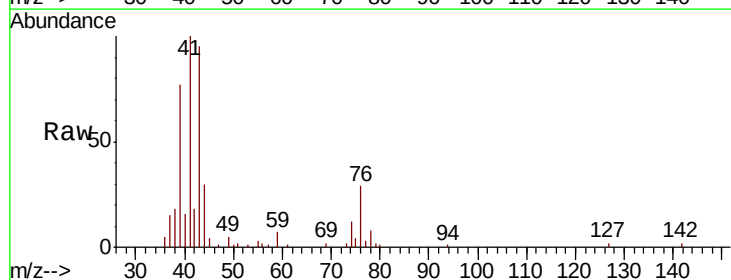
Manual Integrations
APPROVED

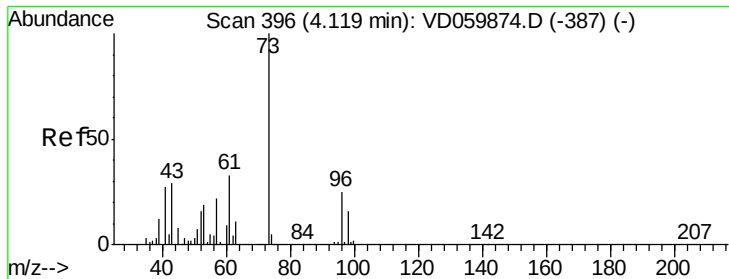
MMDadoda
8/24/2018 3:09:07 PM



#18
Methyl Acetate
Concen: 17.24 ug/l
RT: 3.54 min Scan# 337
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.9	11.2	16.8





#19

Methyl tert-butyl Ether

Concen: 20.11 ug/l

RT: 4.11 min Scan# 395

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 73 Resp: 458329

Ion Ratio Lower Upper

73 100

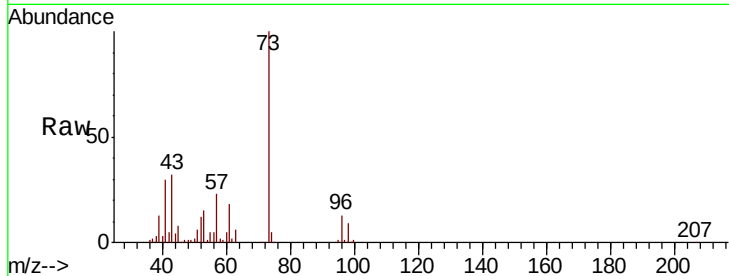
57 22.6 17.9 26.9

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

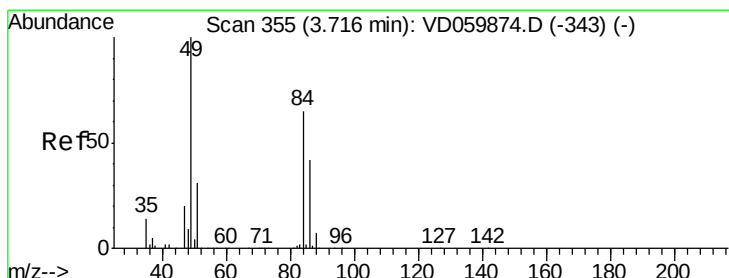
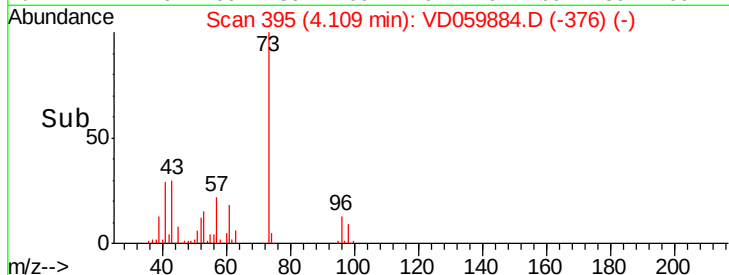
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: 19.76 ug/l

RT: 3.71 min Scan# 354

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Tgt Ion: 84 Resp: 259518

Ion Ratio Lower Upper

84 100

49 146.1 122.6 183.8

51 43.6 38.4 57.6

86 64.8 51.5 77.3

Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

200000

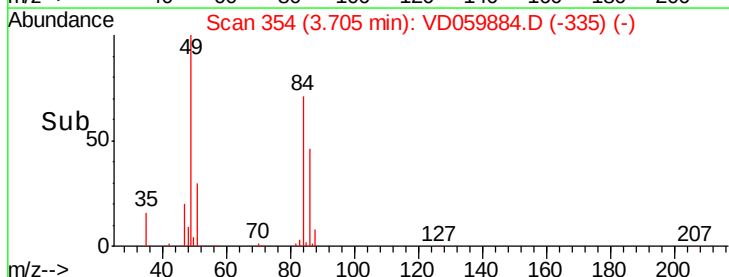
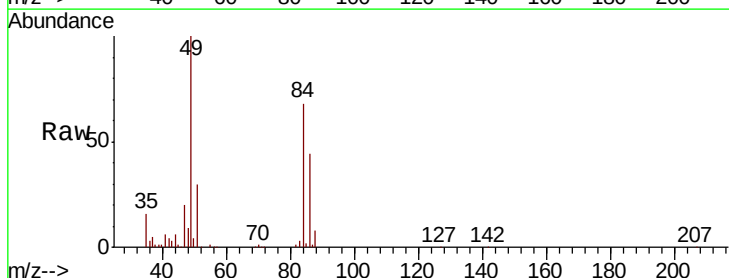
150000

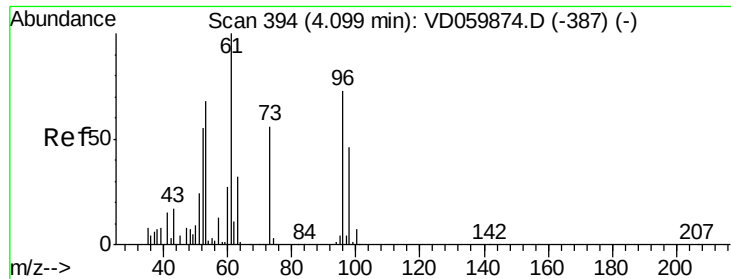
100000

50000

0

Time--> 3.60 3.70 3.80 3.90





#21

trans-1,2-Dichloroethene

Concen: 17.95 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

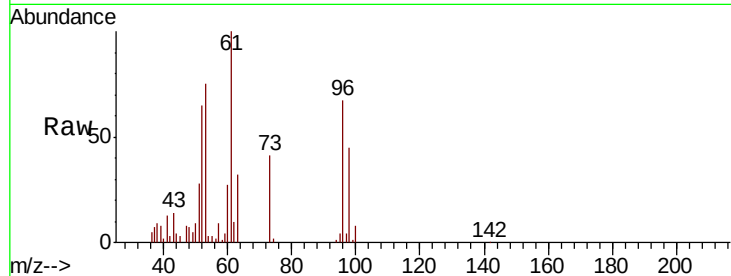
ClientSampleId :

VD0823SBSD01

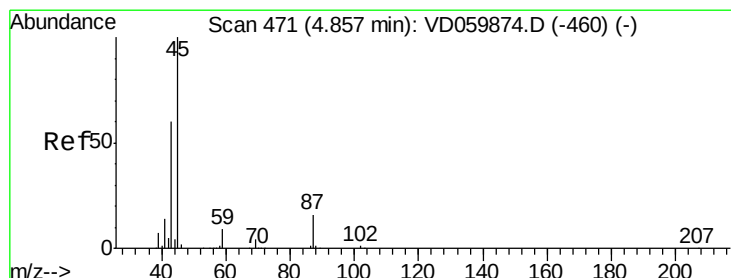
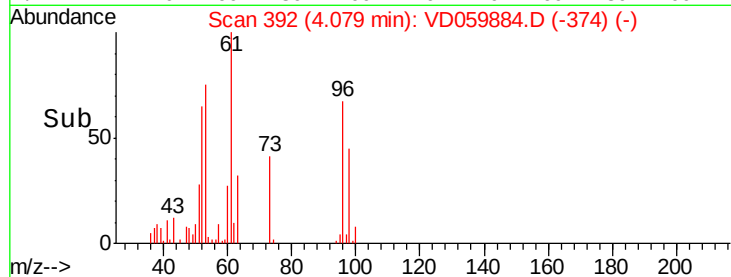
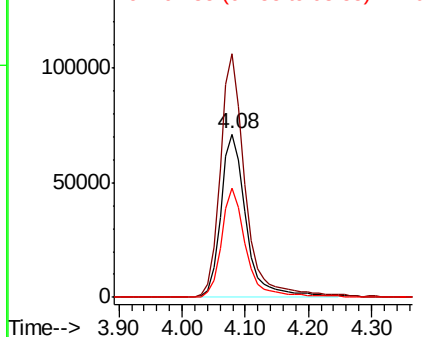
Tot Ion:	96	Resp:	199273
Ion	Ratio	Lower	Upper
96	100		
61	149.0	110.2	165.4
98	66.8	50.9	76.3

Manual Integrations
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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



#22

Diisopropyl ether

Concen: 19.79 ug/l

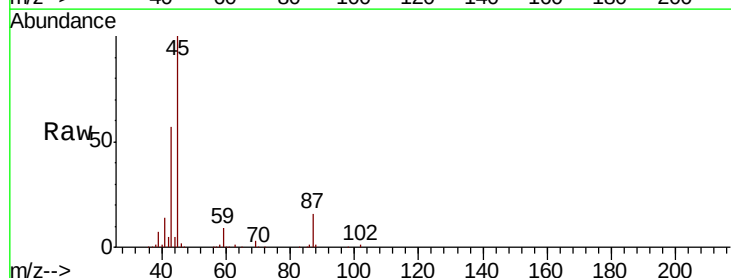
RT: 4.85 min Scan# 470

Delta R.T. -0.01 min

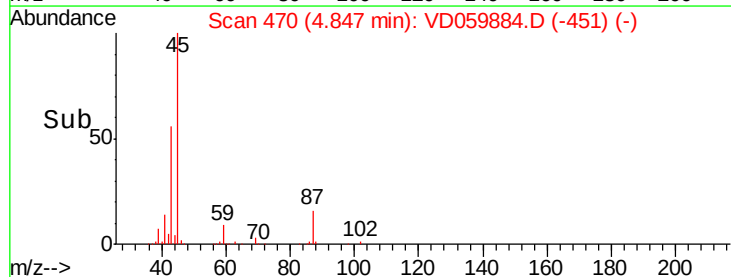
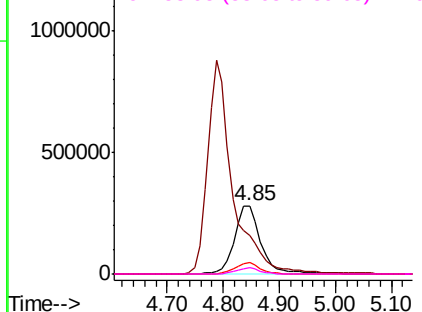
Lab File: VD059884.D

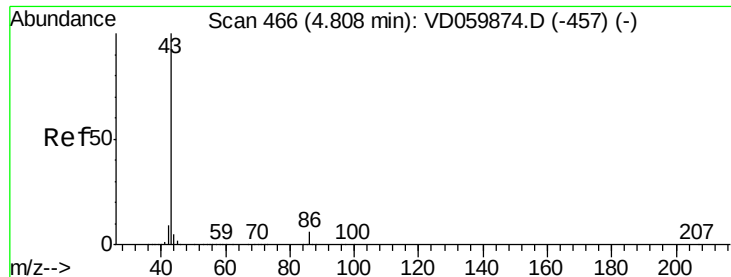
Acq: 23 Aug 2018 13:17

Tgt Ion:	45	Resp:	919846
Ion	Ratio	Lower	Upper
45	100		
43	56.7	48.6	72.8
87	16.1	13.3	19.9
59	8.6	7.1	10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 106.02 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 43 Resp: 2755364

Ion Ratio Lower Upper

43 100

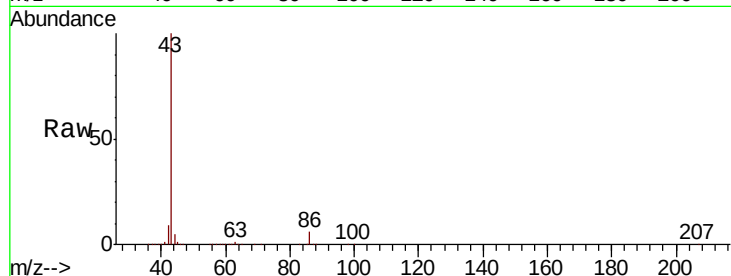
86 6.0 5.0 7.6

Manual Integrations

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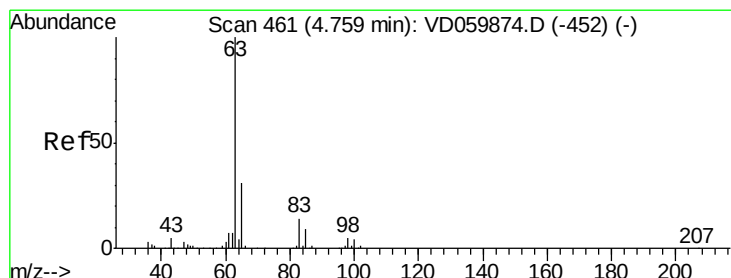
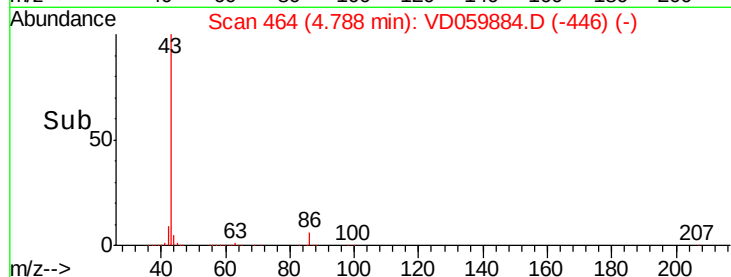
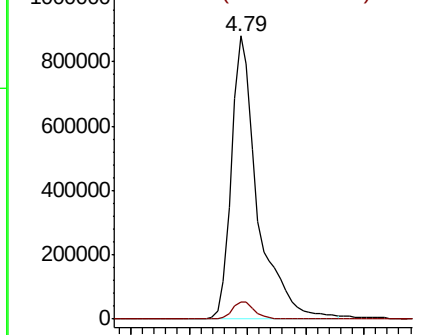
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.46 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

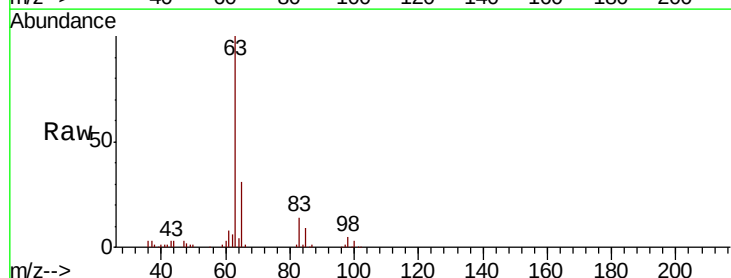
Tgt Ion: 63 Resp: 390784

Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

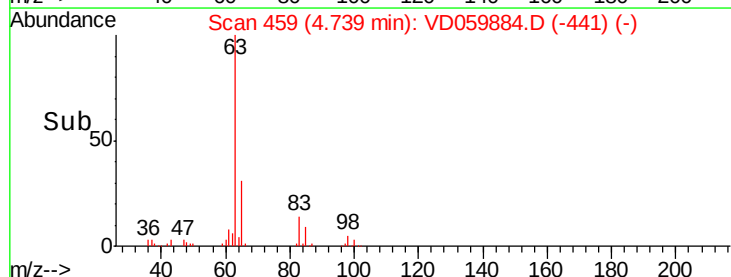
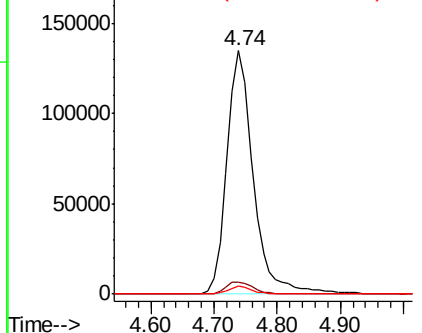
100 3.2 1.8 5.3

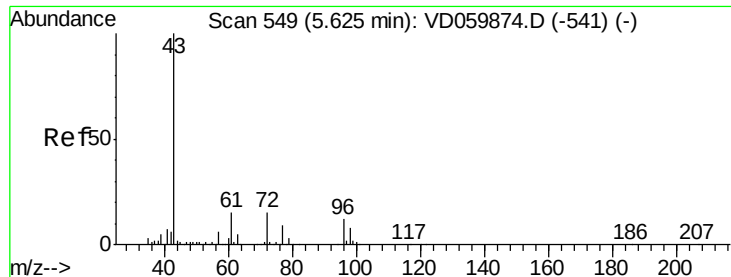


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 88.58 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 43 Resp: 463502

Ion Ratio Lower Upper

43 100

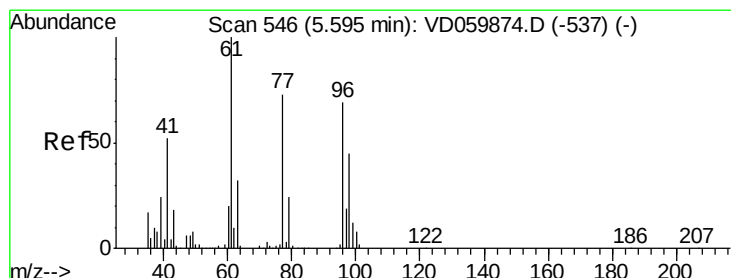
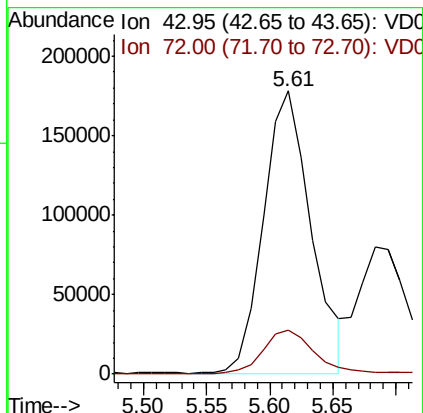
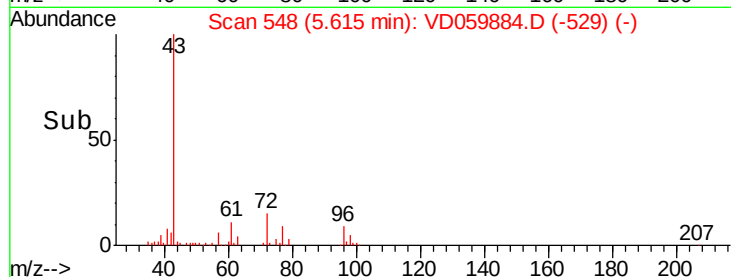
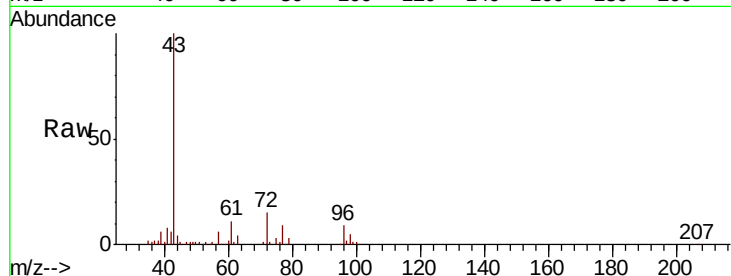
72 15.3 12.3 18.5

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#26

2,2-Dichloropropane

Concen: 19.31 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059884.D

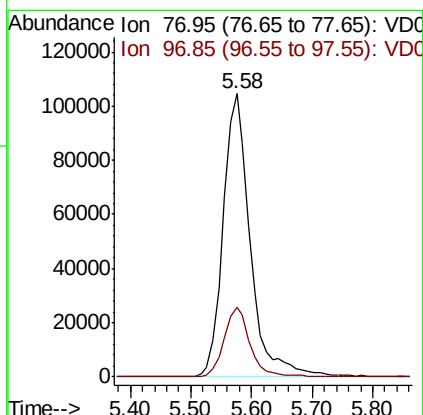
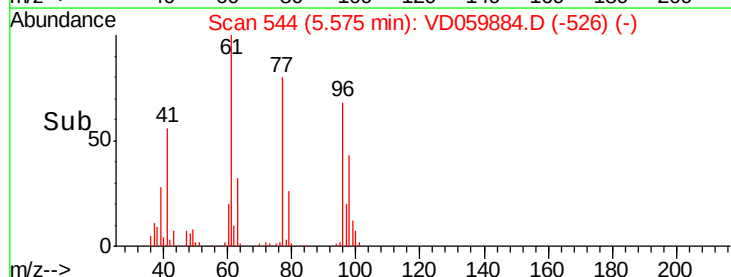
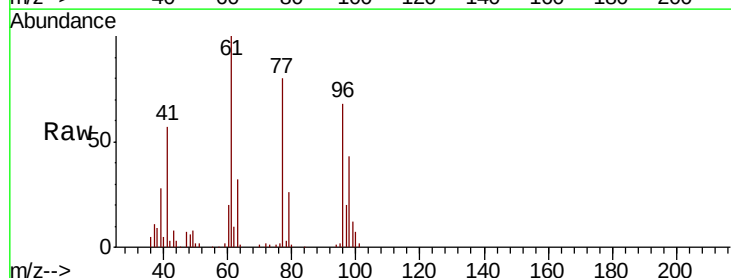
Acq: 23 Aug 2018 13:17

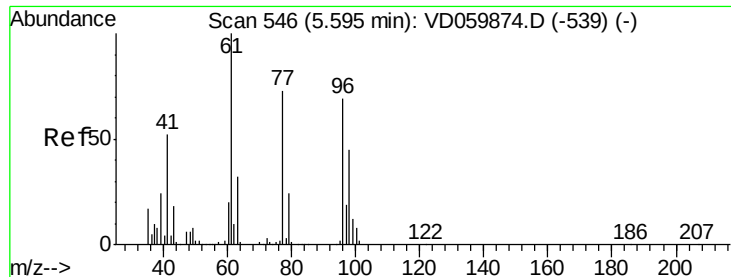
Tgt Ion: 77 Resp: 324188

Ion Ratio Lower Upper

77 100

97 24.7 13.0 38.9





#27

cis-1,2-Dichloroethene

Concen: 19.44 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

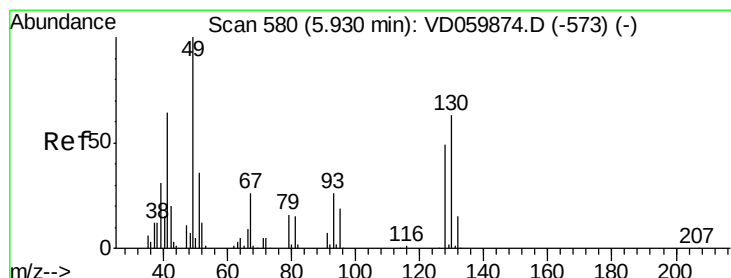
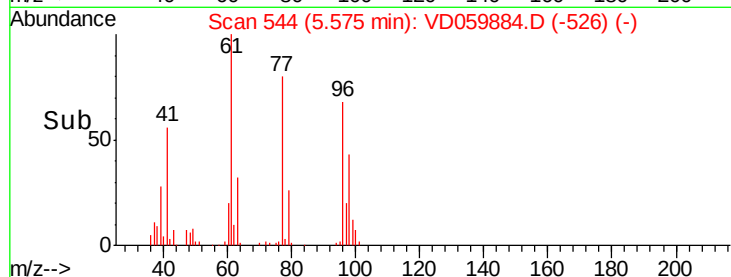
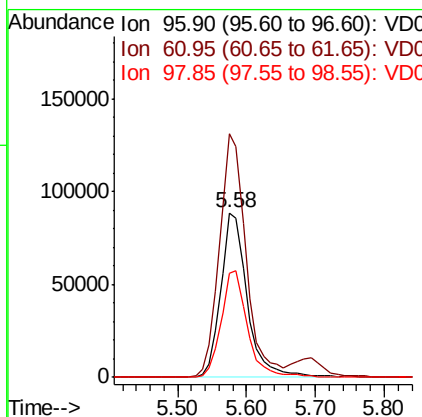
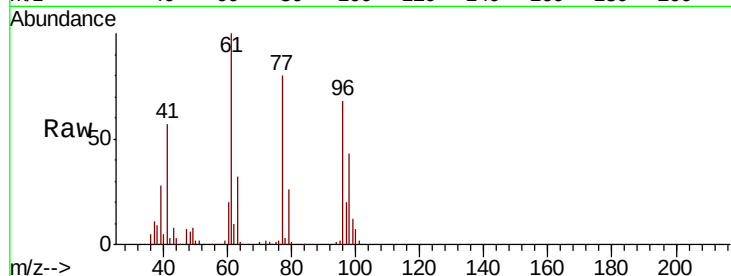
ClientSampleId :

VD0823SBS01

Tot Ion:	96	Resp:	236345
Ion Ratio	Lower	Upper	
96	100		
61	147.9	0.0	290.2
98	63.1	0.0	130.4

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#28

Bromochloromethane

Concen: 20.18 ug/l

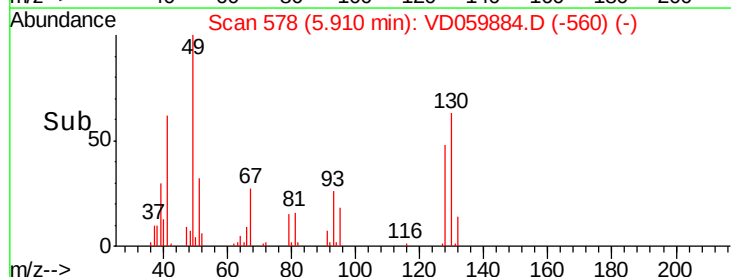
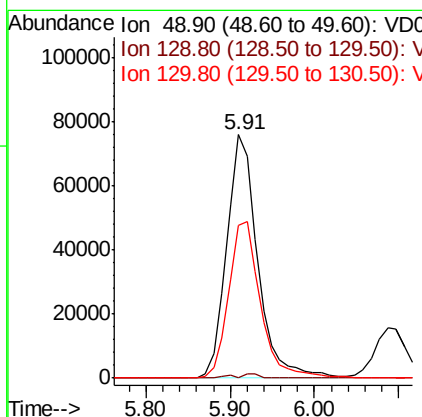
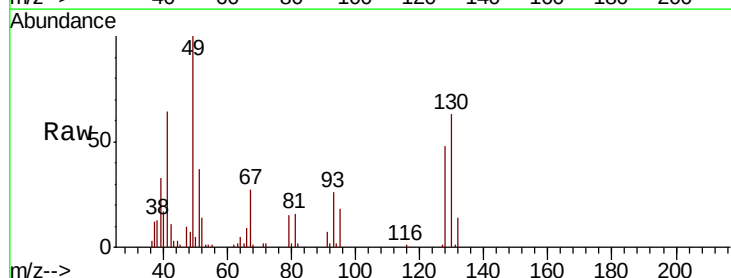
RT: 5.91 min Scan# 578

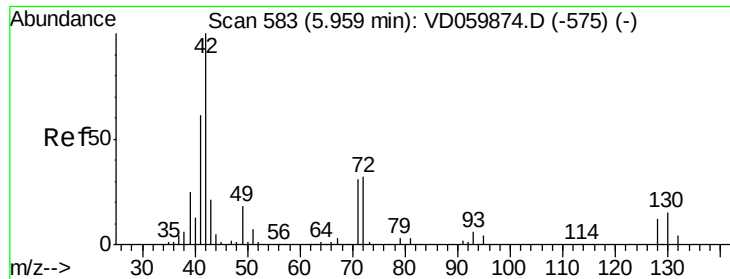
Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Tgt Ion:	49	Resp:	194230
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	3.2
130	62.9	50.6	75.8





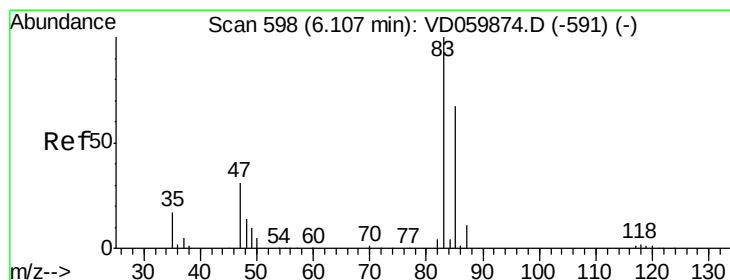
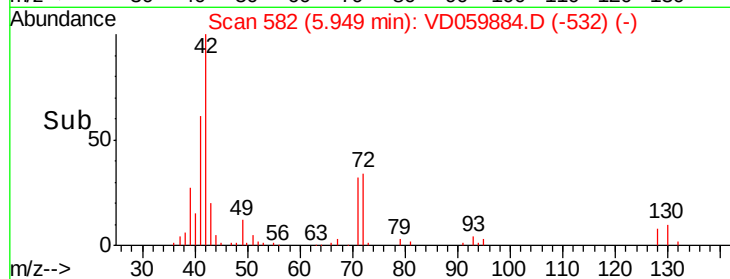
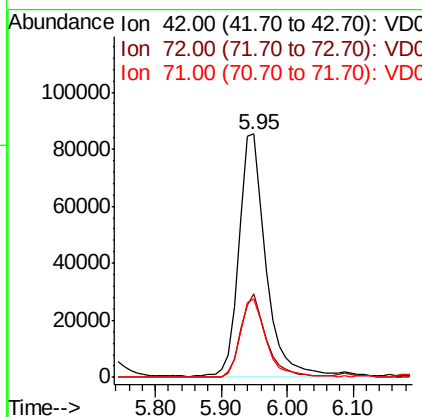
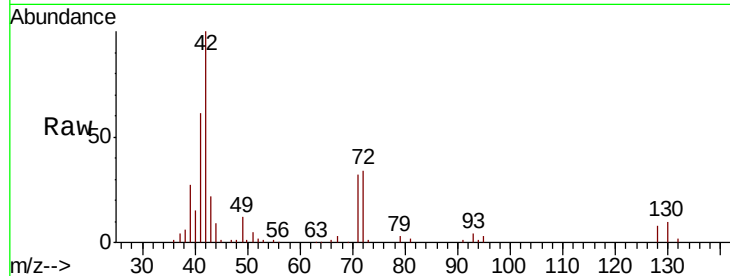
#29
Tetrahydrofuran
Concen: 98.16 ug/l
RT: 5.95 min Scan# 582
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.4	25.7	38.5
71	31.7	25.3	37.9

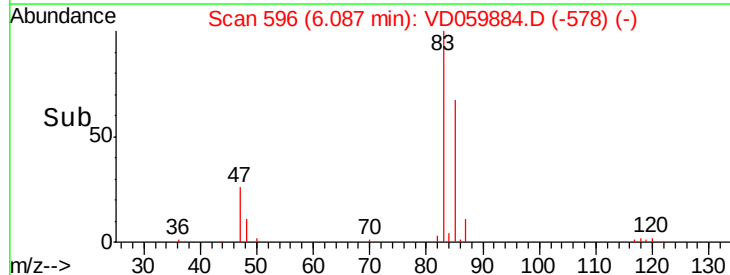
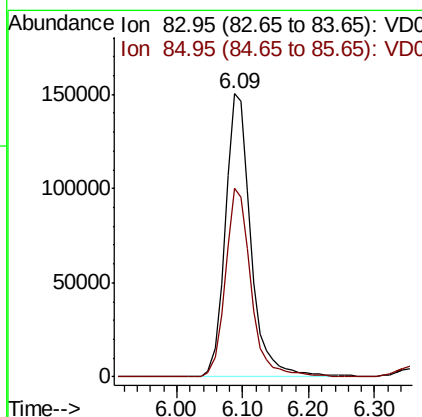
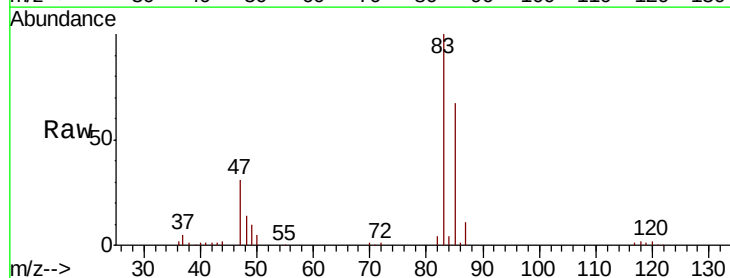
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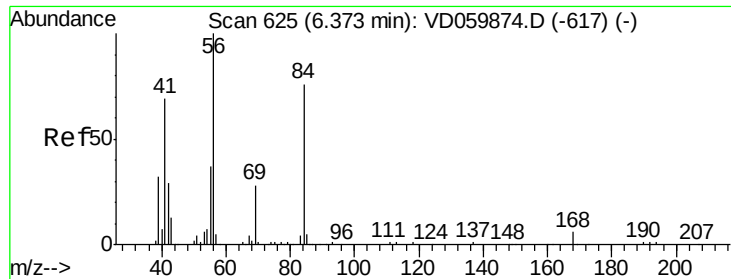
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#30
Chloroform
Concen: 19.98 ug/l
RT: 6.09 min Scan# 596
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.5	80.3





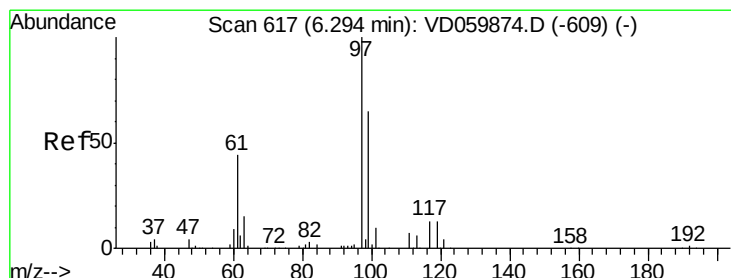
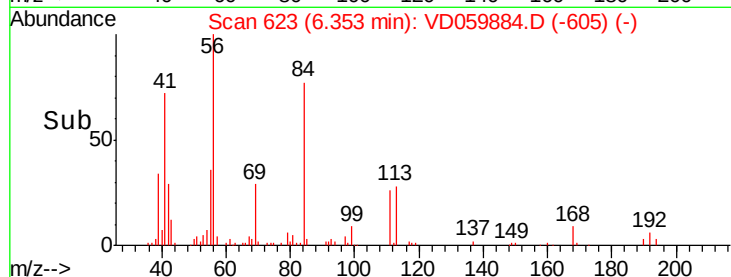
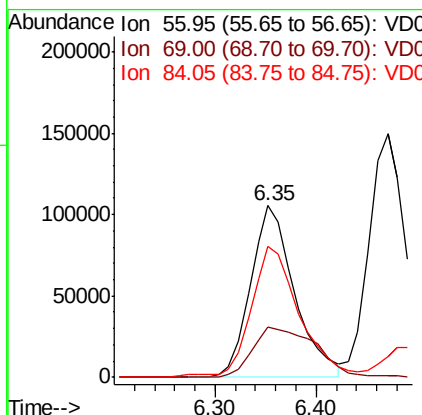
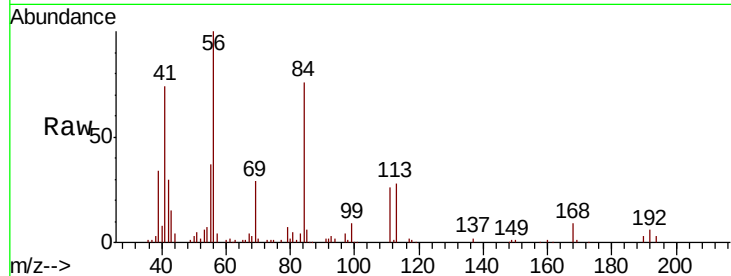
#31
Cyclohexane
Concen: 17.25 ug/l
RT: 6.35 min Scan# 623
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	22.4	33.6
84	76.2	62.1	93.1

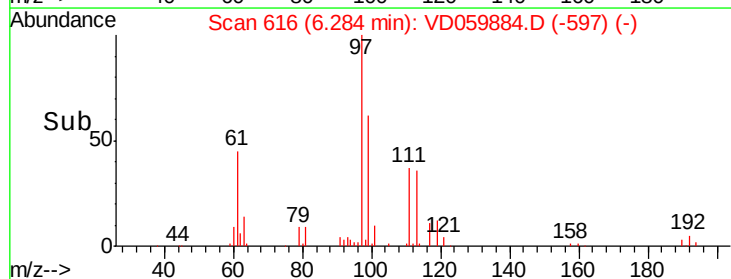
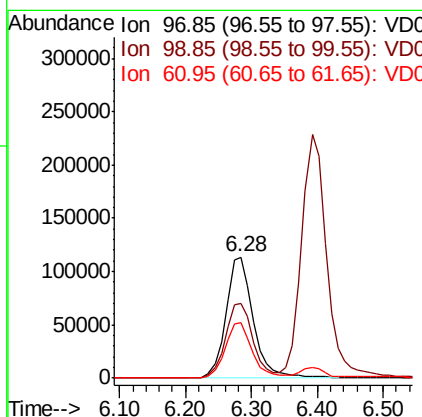
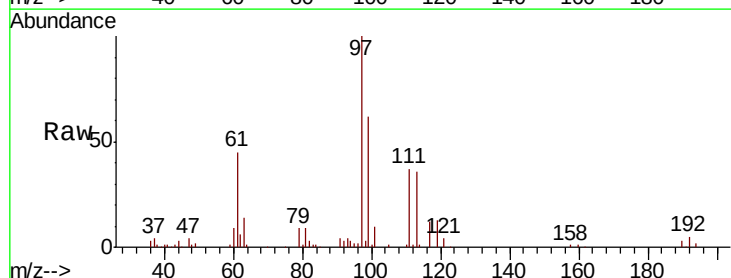
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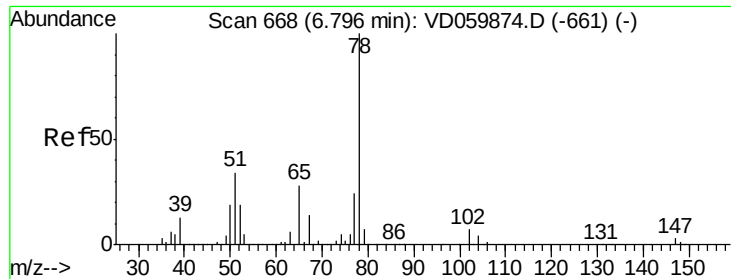
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#32
1,1,1-Trichloroethane
Concen: 19.06 ug/l
RT: 6.28 min Scan# 616
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.7	77.5
61	45.4	35.4	53.2





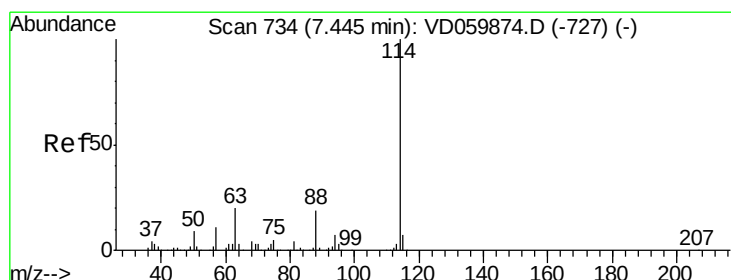
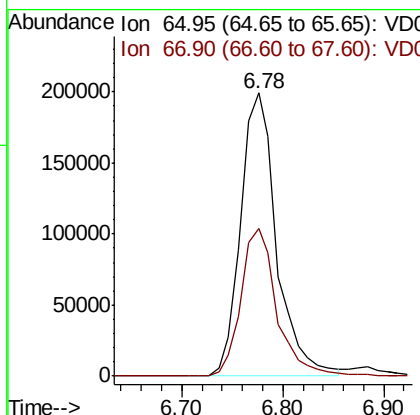
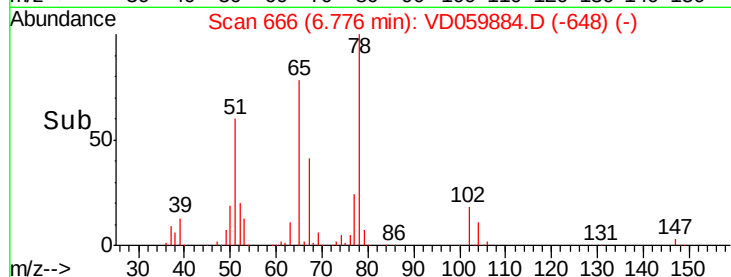
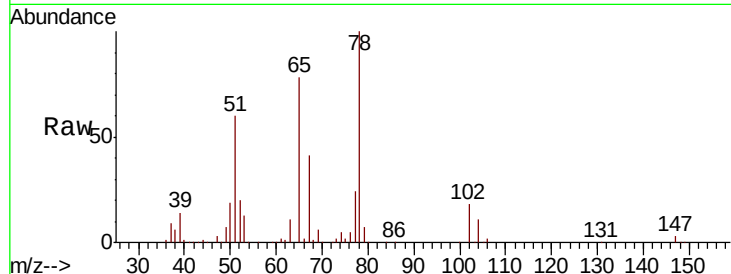
#33
 1,2-Dichloroethane-d4
 Concen: 19.06 ug/l
 RT: 6.78 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	494677		
67	52.1	0.0	103.8	

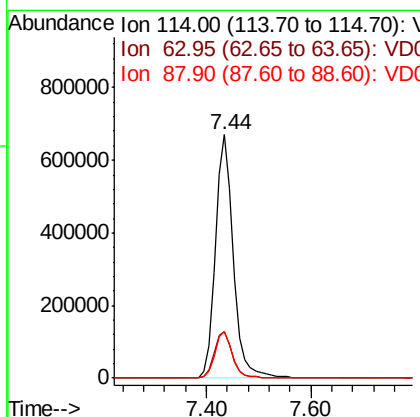
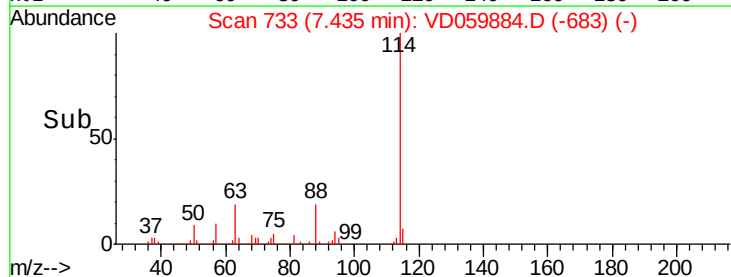
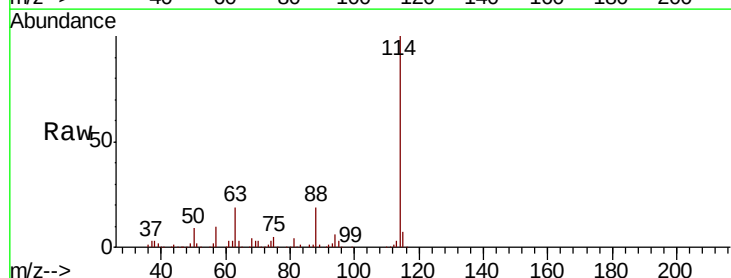
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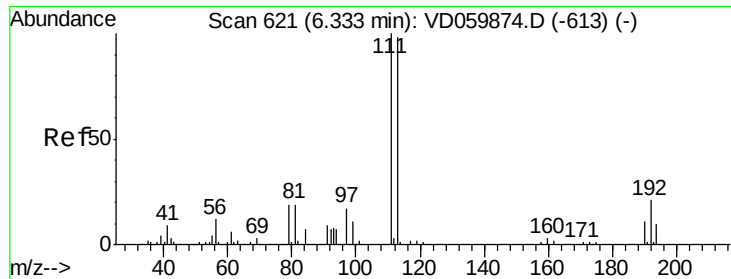
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1593557		
63	19.2	0.0	39.4	
88	19.1	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: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

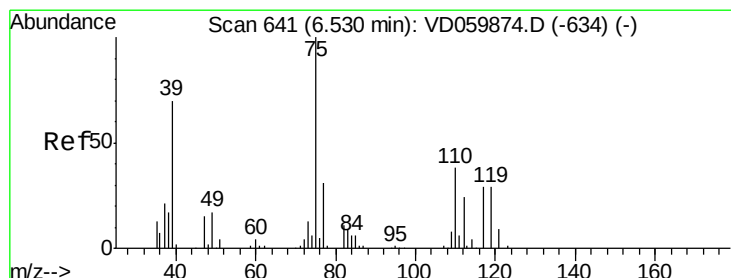
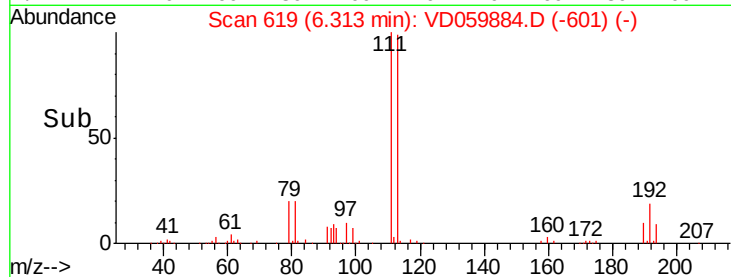
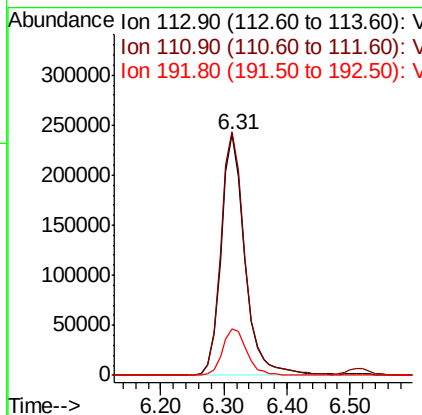
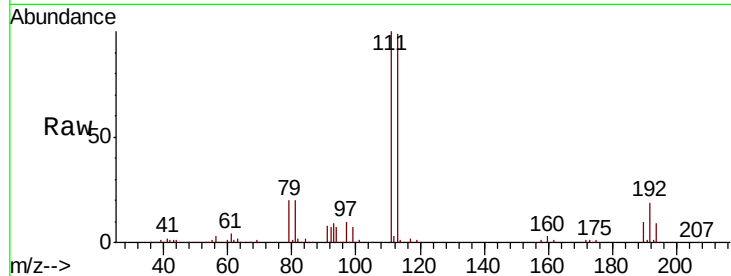
ClientSampleId :

VD0823SBS01

Tot Ion:	113	Resp:	631755
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.4	122.2
192	19.4	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 19.24 ug/l

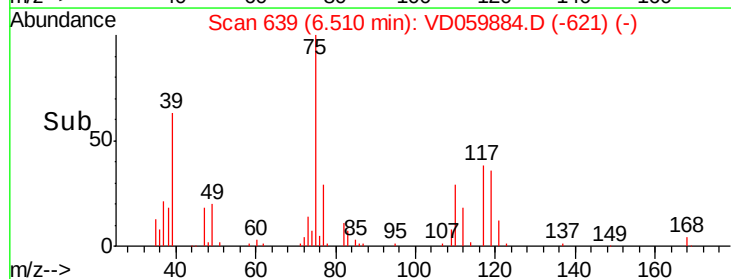
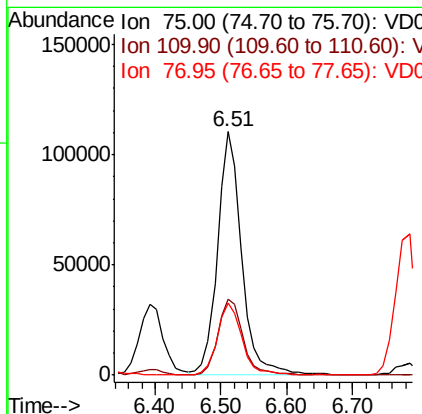
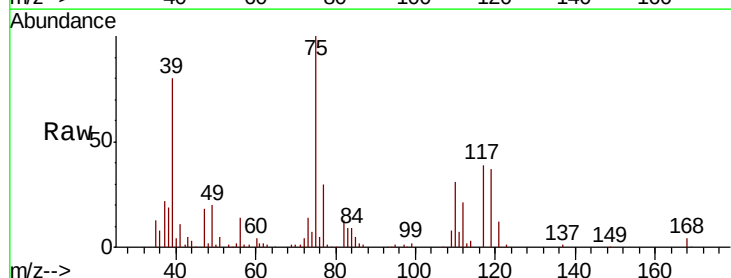
RT: 6.51 min Scan# 639

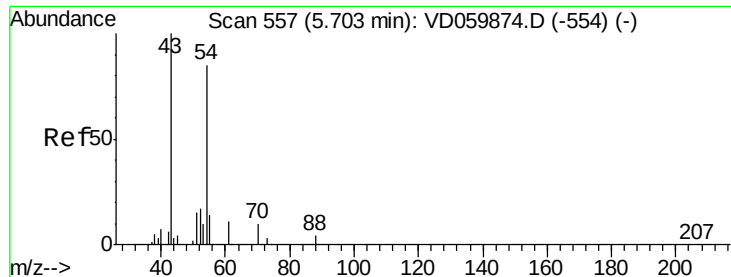
Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Tgt Ion:	75	Resp:	277898
Ion Ratio	Lower	Upper	
75	100		
110	31.4	18.6	56.0
77	29.8	25.1	37.7





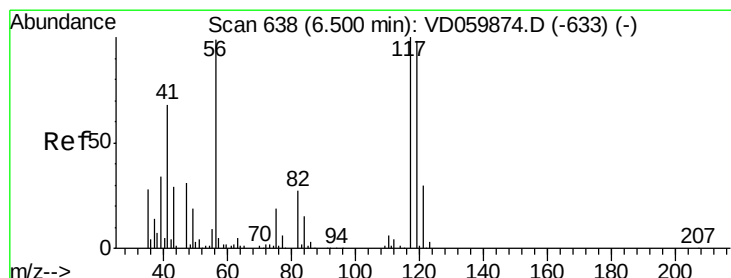
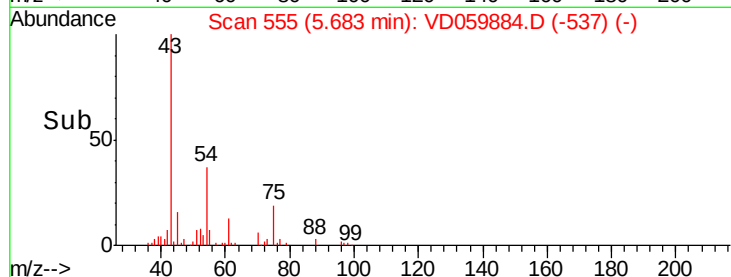
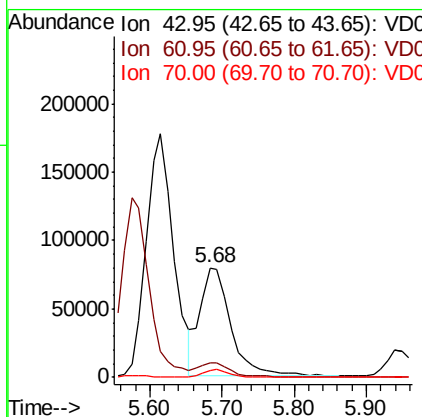
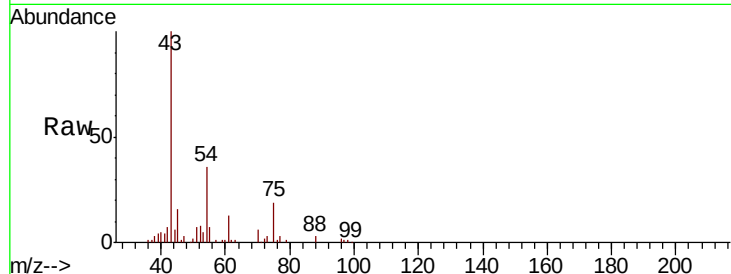
#37
Ethyl Acetate
Concen: 20.76 ug/l
RT: 5.68 min Scan# 555
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	233386		
61	12.7		11.0	16.6
70	6.3		5.7	8.5

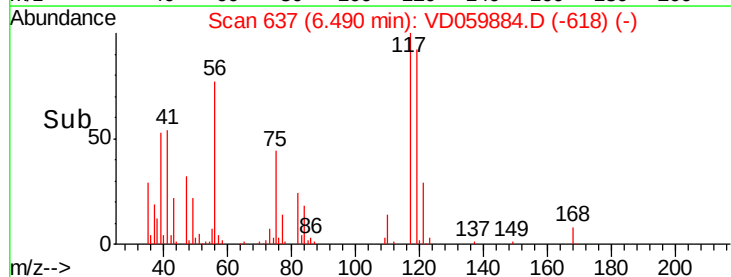
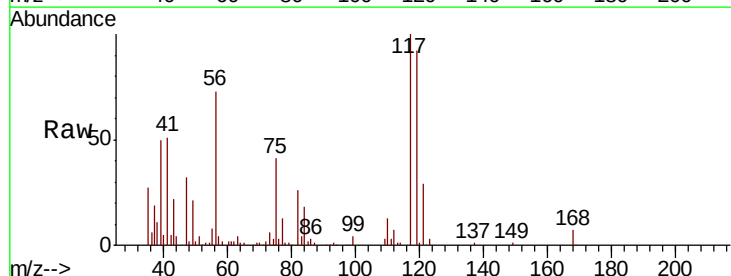
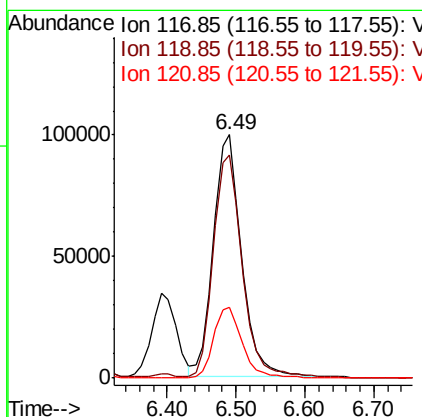
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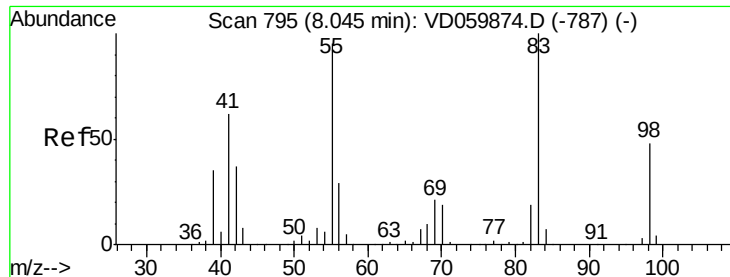
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#38
Carbon Tetrachloride
Concen: 19.41 ug/l
RT: 6.49 min Scan# 637
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	282913		
119	91.9		77.2	115.8
121	29.1		24.0	36.0





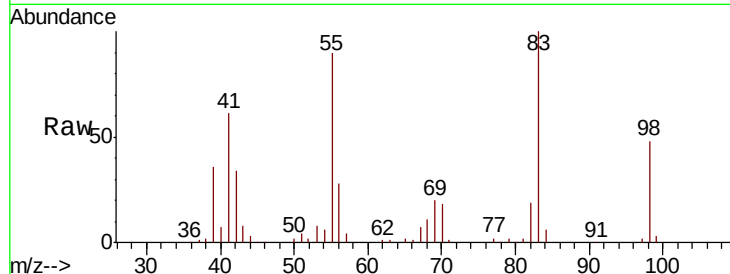
#39
Methylvlcyclohexane
Concen: 17.17 ug/l
RT: 8.04 min Scan# 794
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

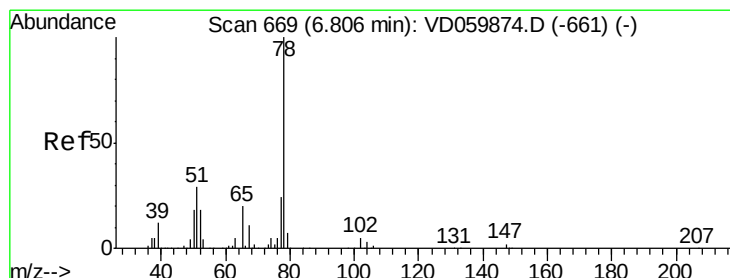
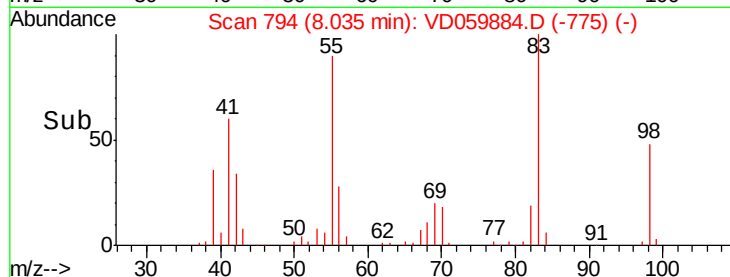
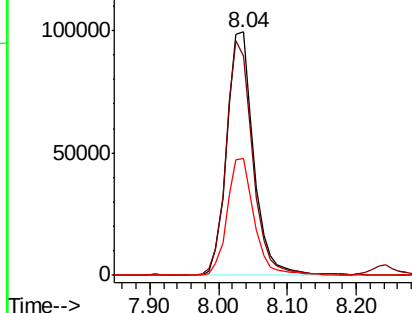
Tot Ion	83	Resp	268039
Ion Ratio	Lower	Upper	
83	100		
55	90.3	75.8	113.6
98	47.9	38.3	57.5

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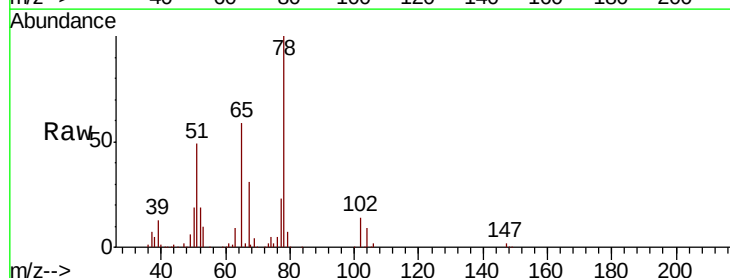


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

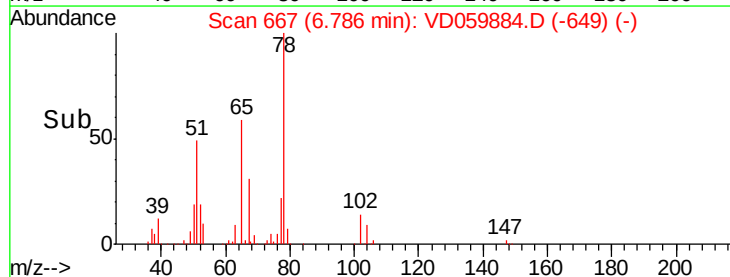
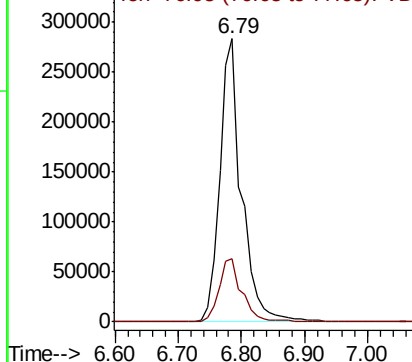


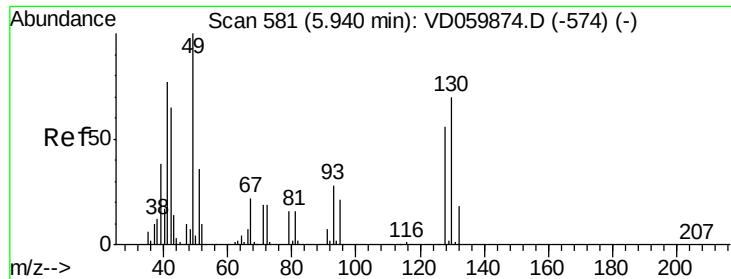
#40
Benzene
Concen: 18.09 ug/l
RT: 6.79 min Scan# 667
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	78	Resp	679636
Ion Ratio	Lower	Upper	
78	100		
77	22.6	19.0	28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.28 ug/l m

RT: 5.91 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 41 Resp: 109175

Ion Ratio Lower Upper

41 100

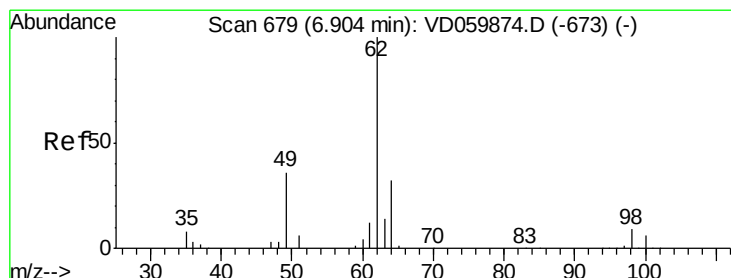
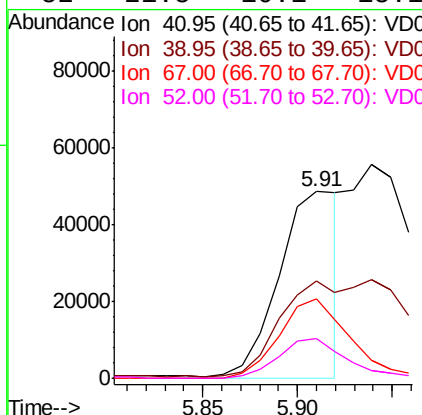
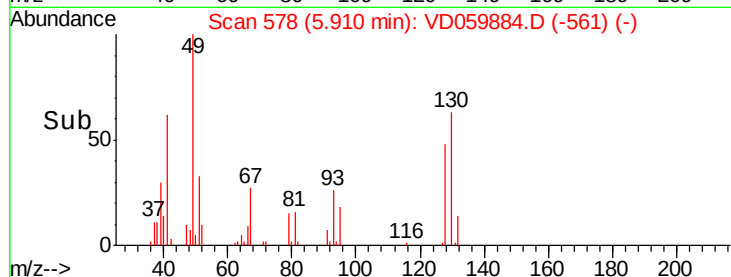
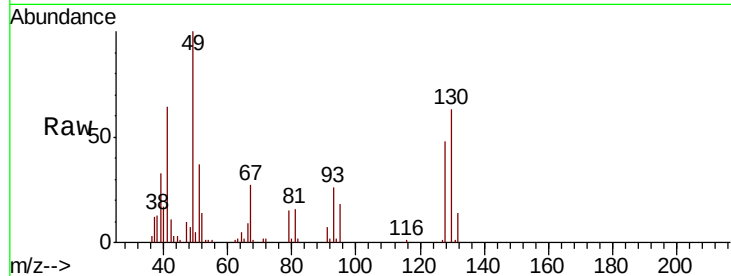
39 51.8 39.4 59.2

67 42.3 22.2 33.2#

52 21.5 10.1 15.1#

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#42

1,2-Dichloroethane

Concen: 19.76 ug/l

RT: 6.88 min Scan# 677

Delta R.T. -0.02 min

Lab File: VD059884.D

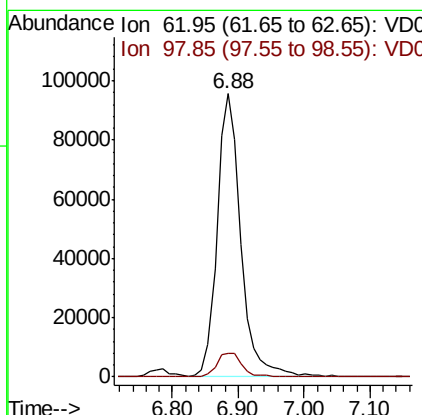
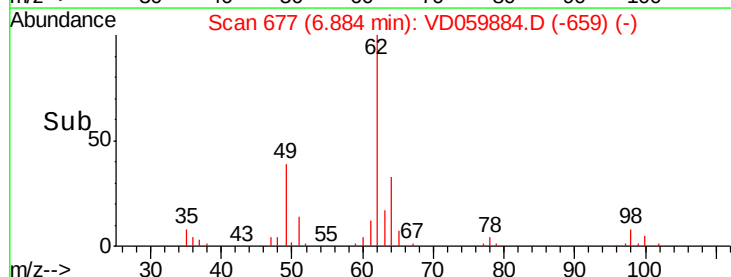
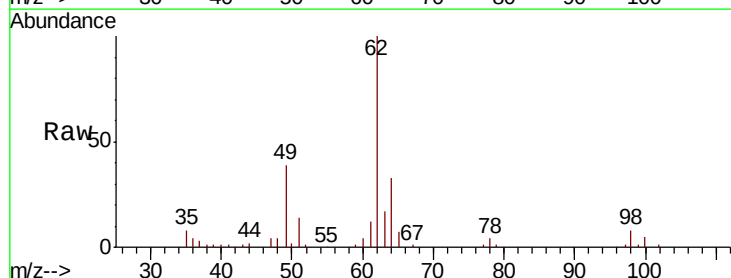
Acq: 23 Aug 2018 13:17

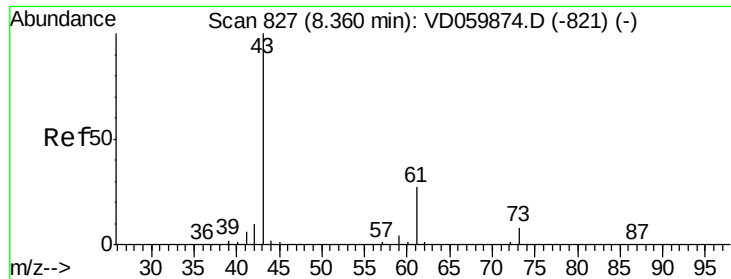
Tgt Ion: 62 Resp: 238304

Ion Ratio Lower Upper

62 100

98 8.3 0.0 18.4





#43

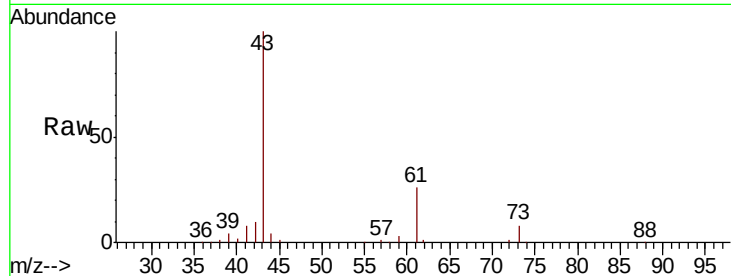
Isopropyl Acetate
 Concen: 20.07 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

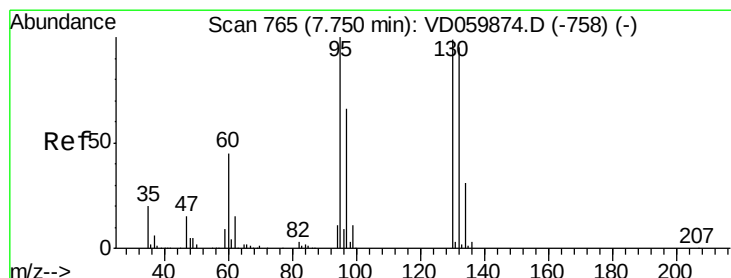
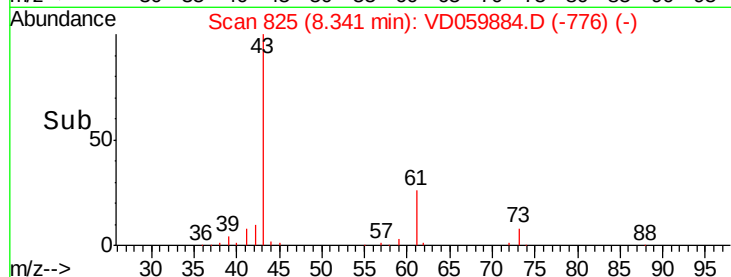
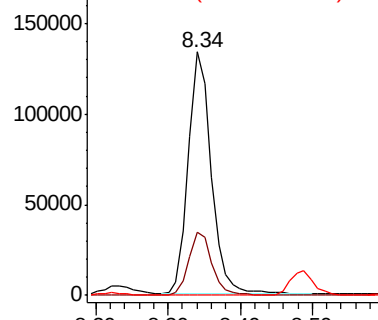
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	21.4	32.2
87	0.0	0.2	0.4

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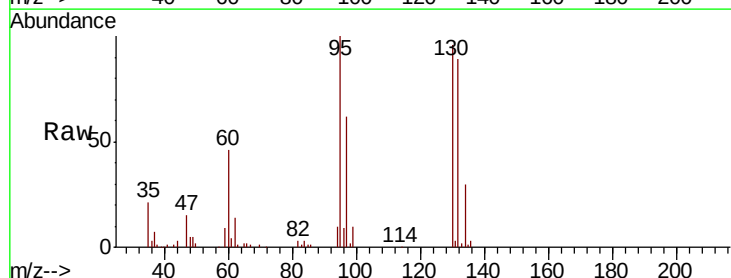
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



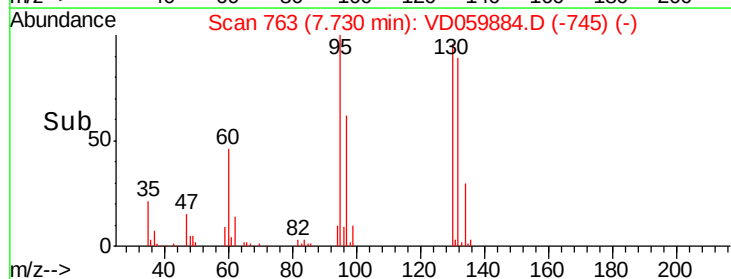
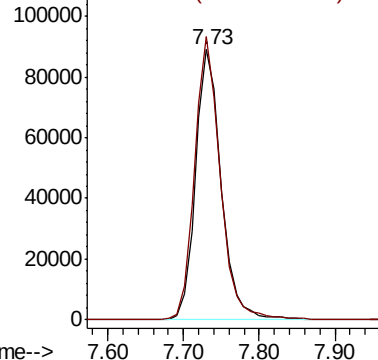
#44

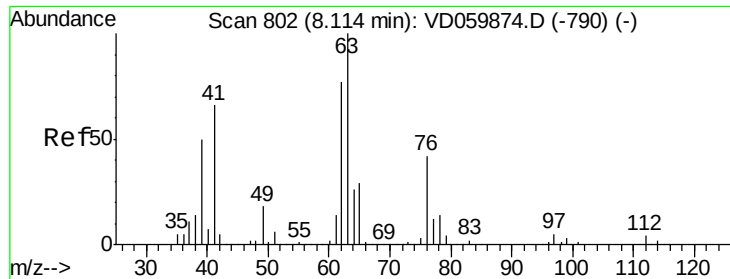
Trichloroethene
 Concen: 18.84 ug/l
 RT: 7.73 min Scan# 763
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	202.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC





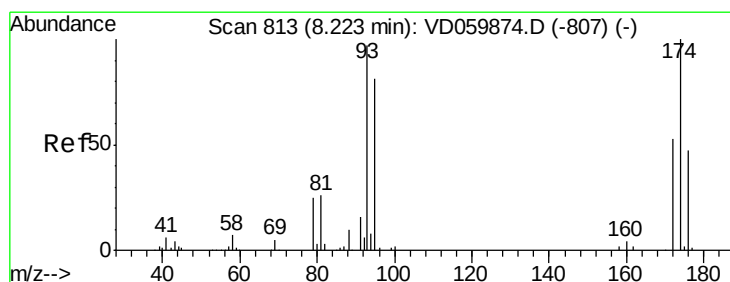
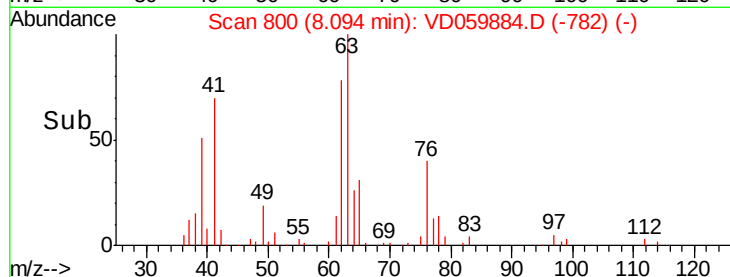
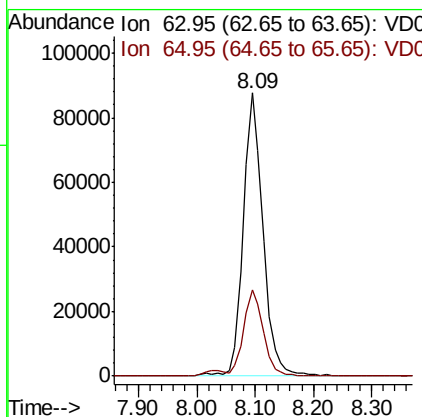
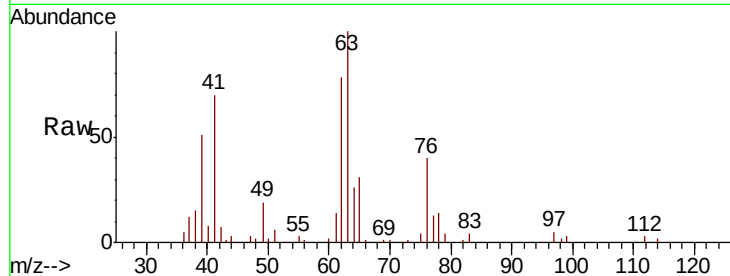
#45
 1,2-Dichloropropane
 Concen: 19.67 ug/l
 RT: 8.09 min Scan# 800
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

Tot Ion: 63 Resp: 206532
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.5 35.3

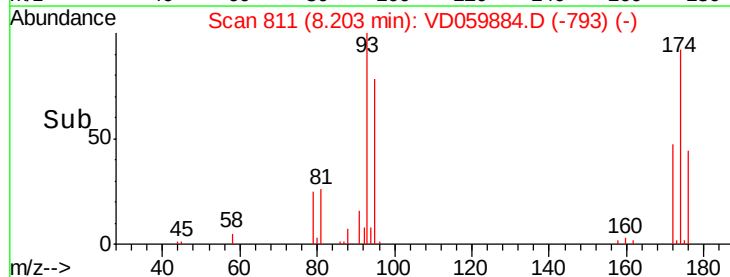
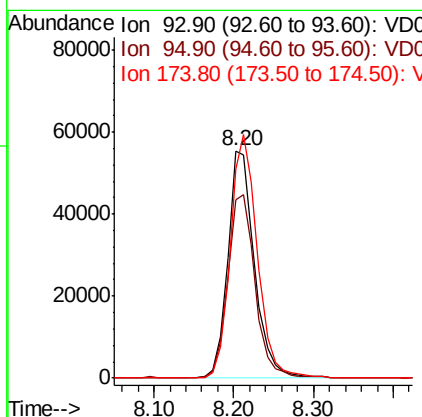
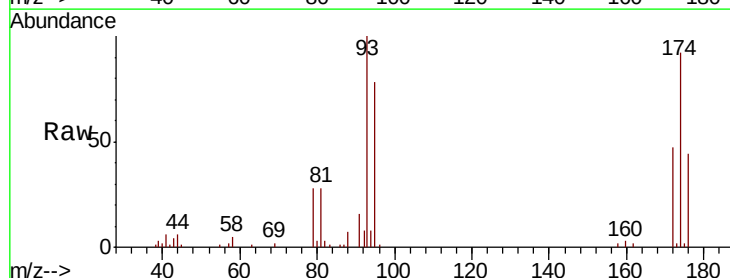
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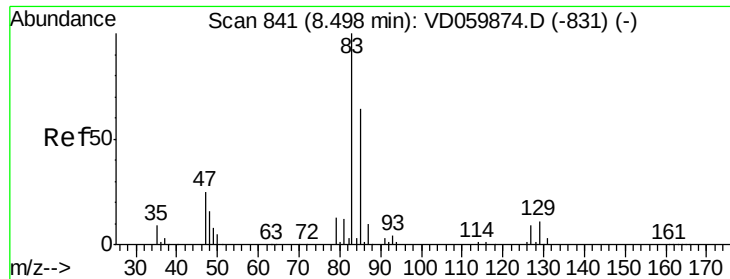
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#46
 Dibromomethane
 Concen: 19.22 ug/l
 RT: 8.20 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion: 93 Resp: 129768
 Ion Ratio Lower Upper
 93 100
 95 78.5 66.6 100.0
 174 92.0 82.4 123.6





#47

Bromodichloromethane

Concen: 20.05 ug/l

RT: 8.49 min Scan# 840

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

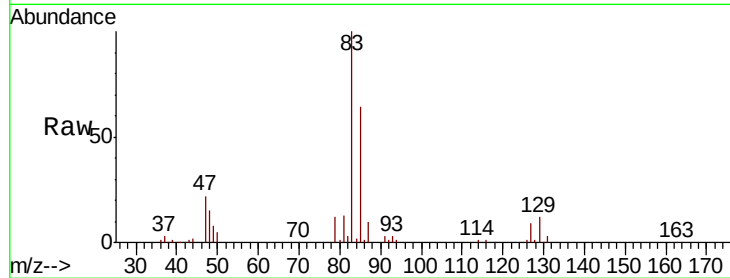
ClientSampleId :

VD0823SBSD01

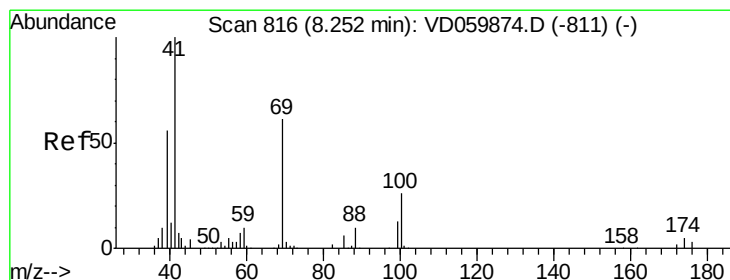
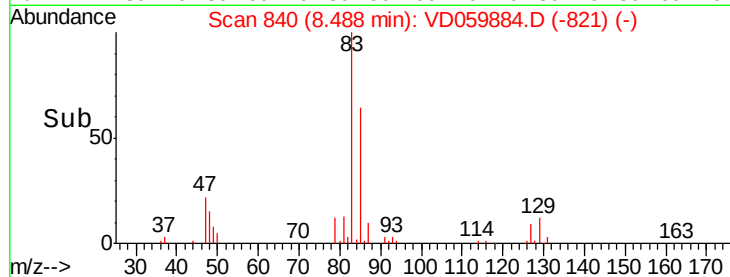
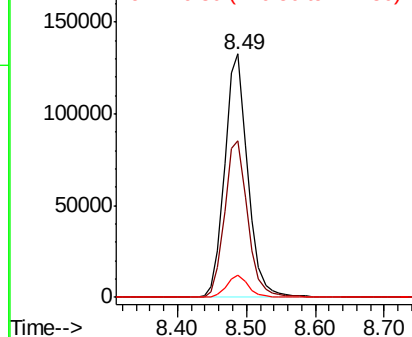
Tot Ion:	83	Resp:	306467
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.3	76.9
127	8.9	7.0	10.4

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.64 ug/l

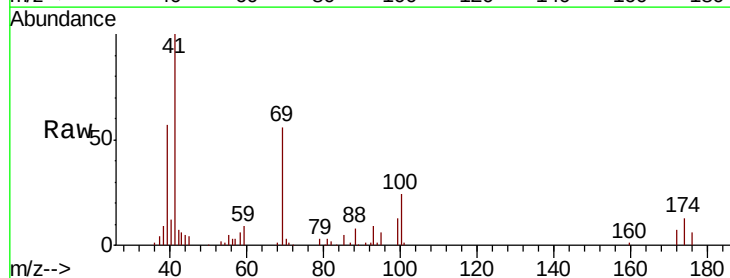
RT: 8.24 min Scan# 815

Delta R.T. -0.01 min

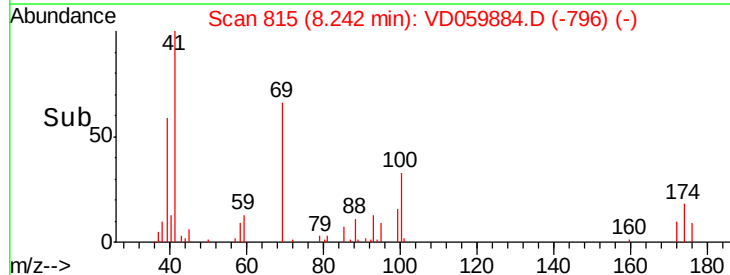
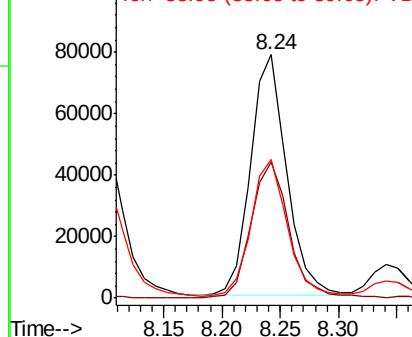
Lab File: VD059884.D

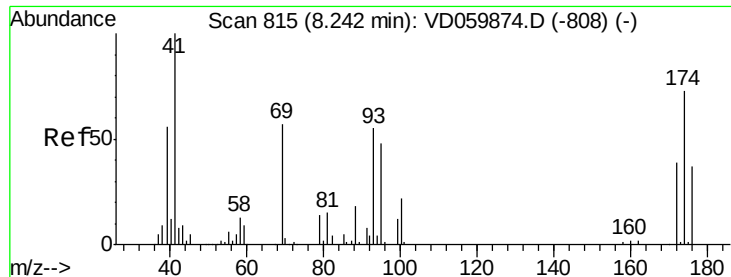
Acq: 23 Aug 2018 13:17

Tgt Ion:	41	Resp:	167430
Ion Ratio	Lower	Upper	
41	100		
69	56.0	48.0	72.0
39	56.9	45.4	68.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 382.74 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

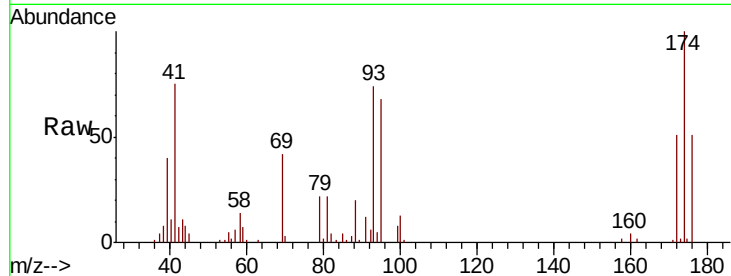
ClientSampleId :

VD0823SBS01

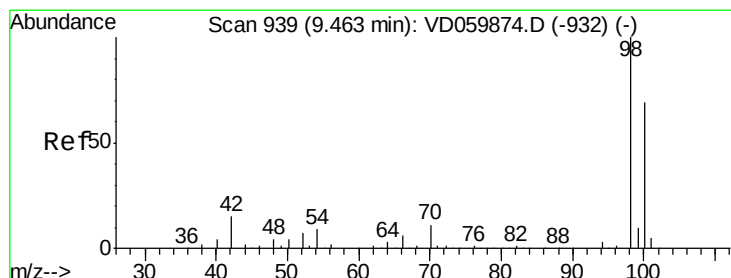
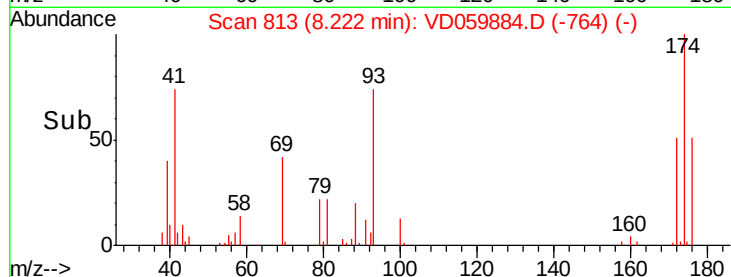
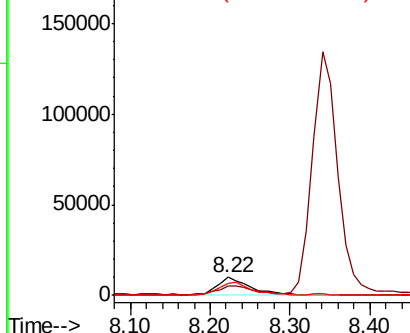
Tot Ion:	88	Resp:	29130
Ion Ratio	Lower	Upper	
88	100		
43	51.6	45.0	67.6
58	66.7	55.8	83.8

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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: 382.74 ug/l

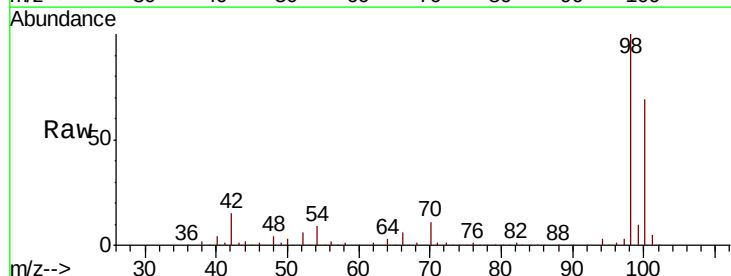
RT: 9.45 min Scan# 938

Delta R.T. -0.01 min

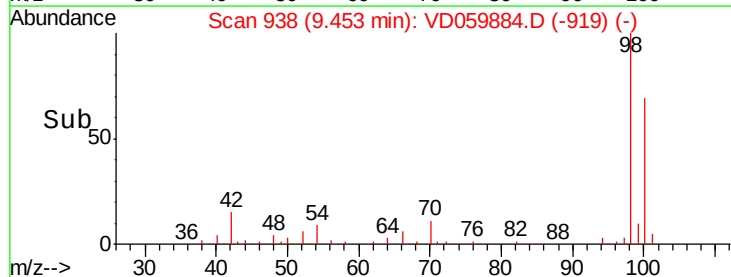
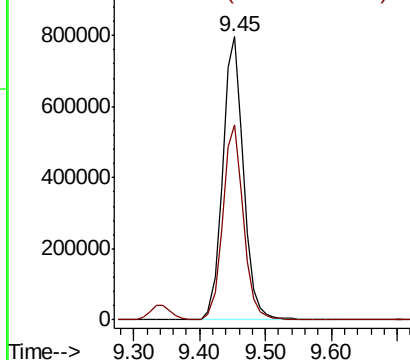
Lab File: VD059884.D

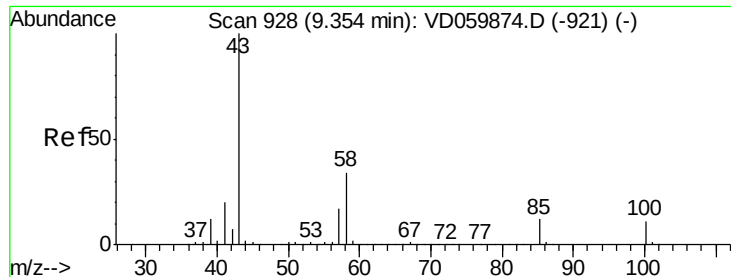
Acq: 23 Aug 2018 13:17

Tgt Ion:	98	Resp:	1753311
Ion Ratio	Lower	Upper	
98	100		
100	68.8	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: 91.95 ug/l

RT: 9.33 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 43 Resp: 1002451

Ion Ratio Lower Upper

43 100

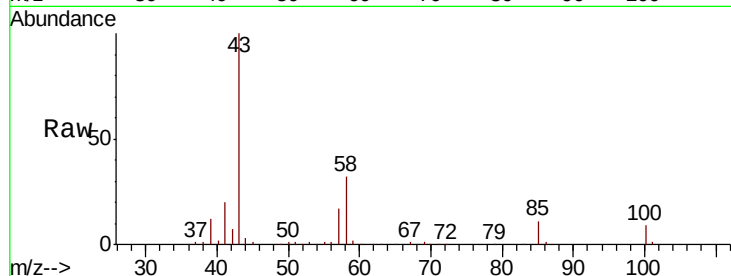
58 32.0 27.0 40.4

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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

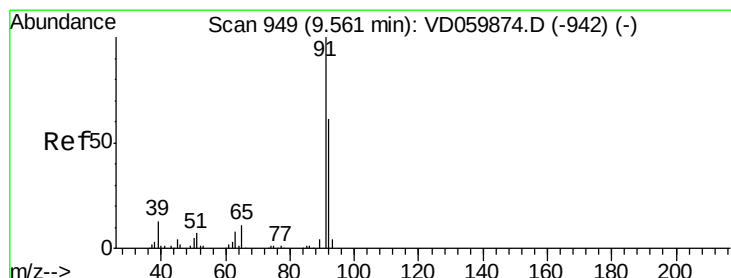
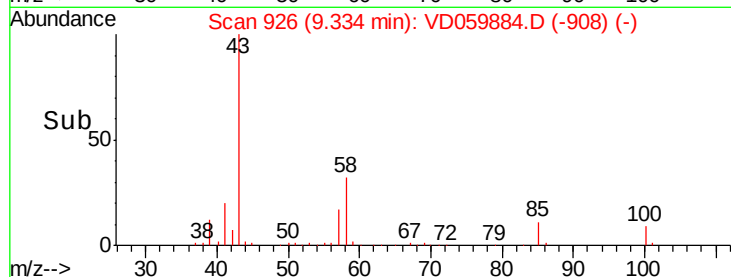
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.47 ug/l

RT: 9.54 min Scan# 947

Delta R.T. -0.02 min

Lab File: VD059884.D

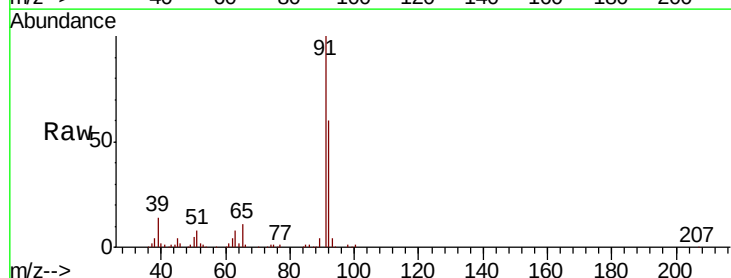
Acq: 23 Aug 2018 13:17

Tgt Ion: 92 Resp: 468835

Ion Ratio Lower Upper

92 100

91 167.2 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

400000

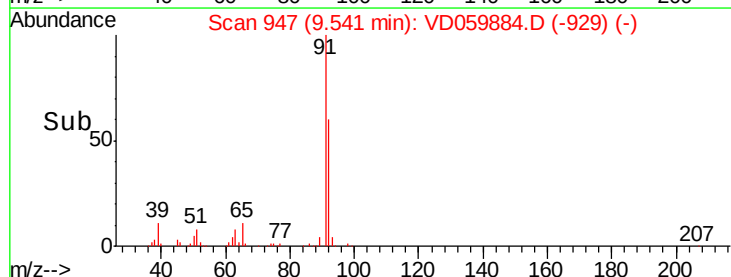
300000

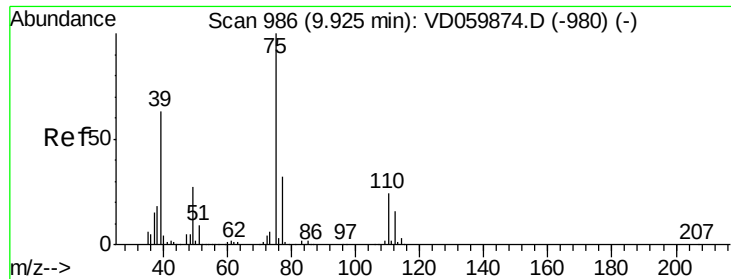
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.19 ug/l

RT: 9.92 min Scan# 985

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Tot Ion: 75 Resp: 285377

Ion Ratio Lower Upper

75 100

77 33.6 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

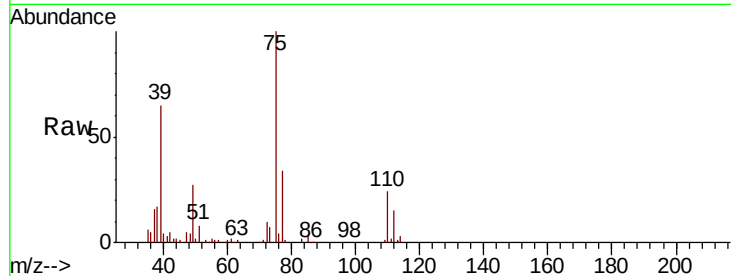
VD0823SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

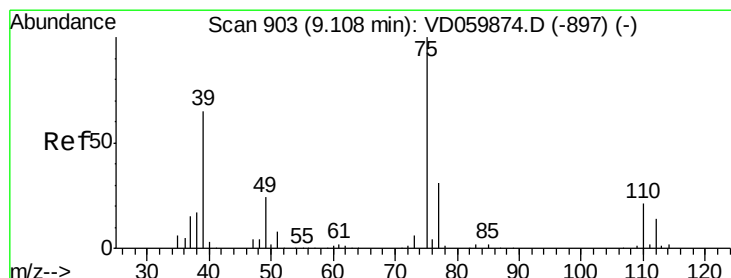
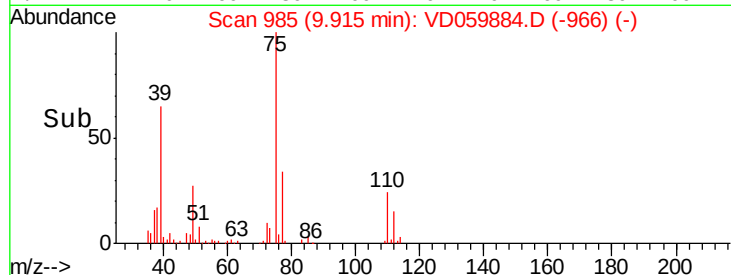
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.25 ug/l

RT: 9.10 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

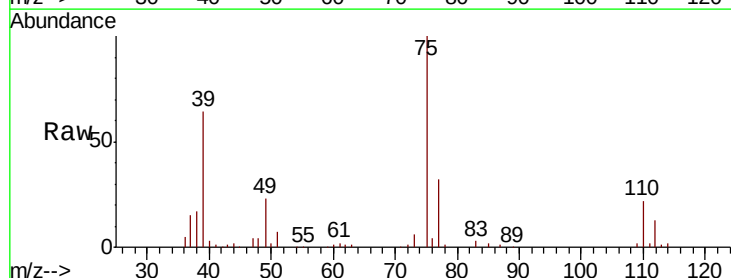
Tgt Ion: 75 Resp: 331921

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 64.4 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

9.10

200000

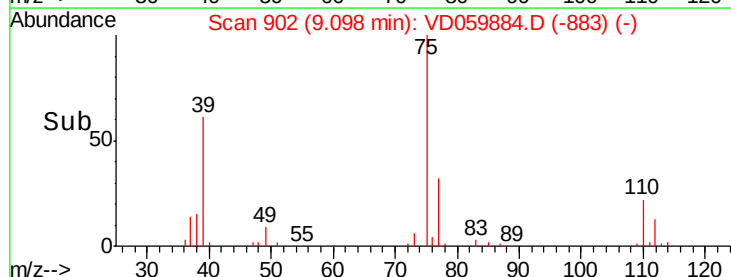
150000

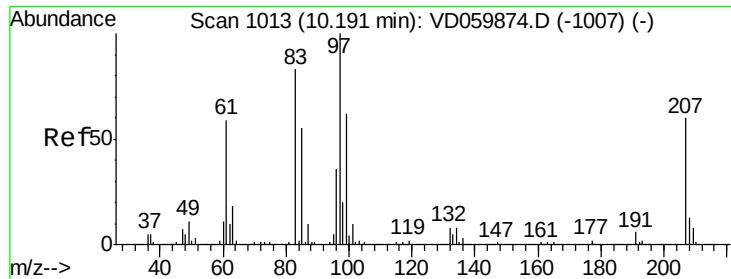
100000

50000

0

Time-->





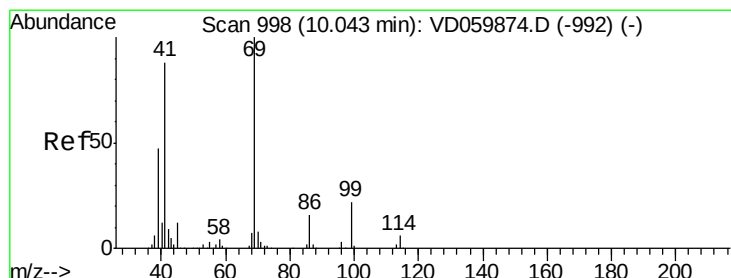
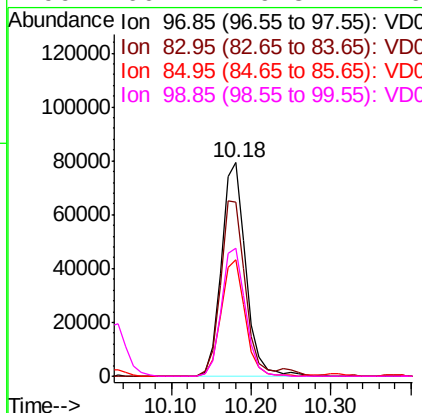
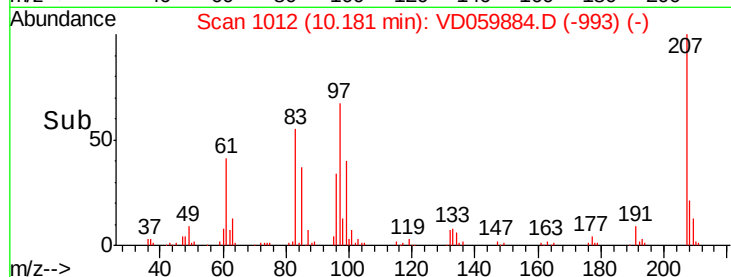
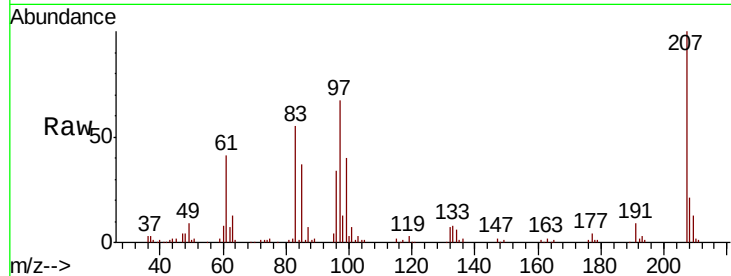
#55
 1,1,2-Trichloroethane
 Concen: 19.38 ug/l
 RT: 10.18 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		170617		
83	81.8	66.7	100.1		
85	54.5	43.8	65.6		
99	60.2	49.8	74.6		

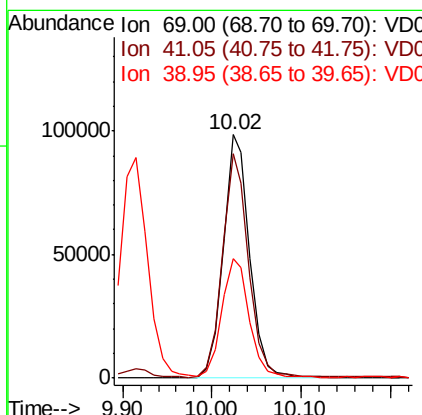
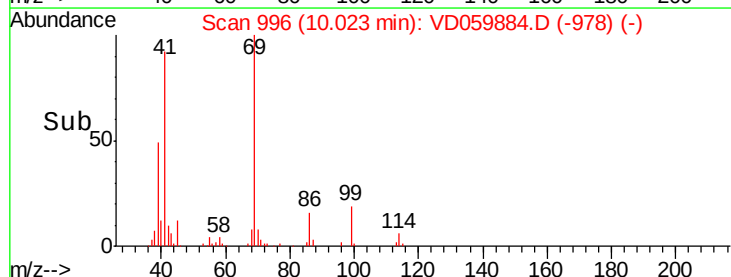
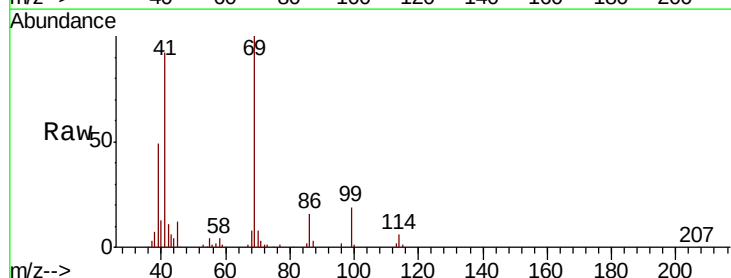
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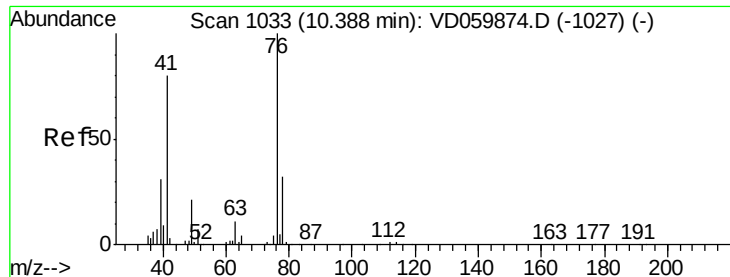
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#56
 Ethyl methacrylate
 Concen: 20.09 ug/l
 RT: 10.02 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		204150		
41	92.0	71.0	106.4		
39	49.2	38.5	57.7		





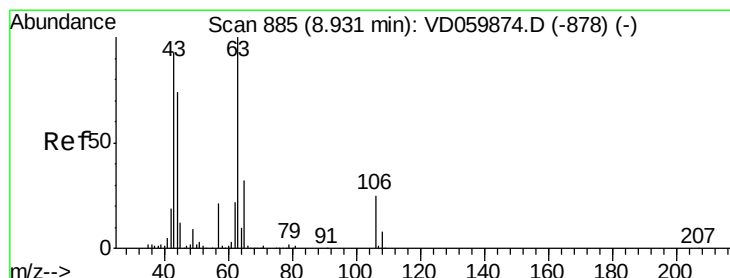
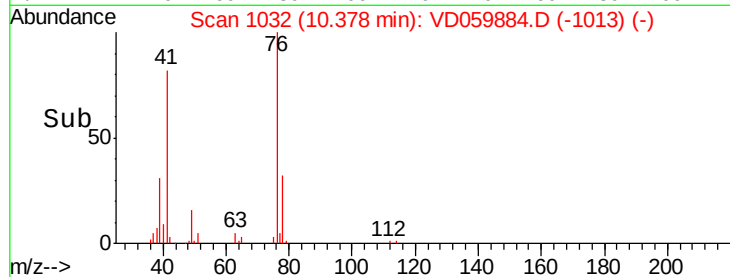
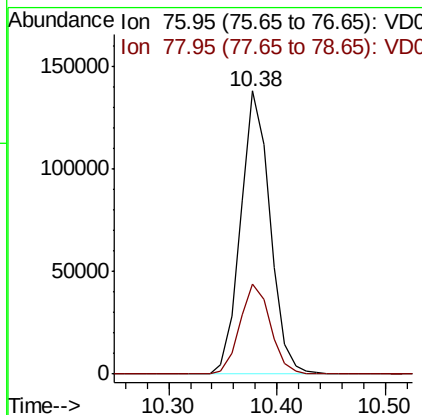
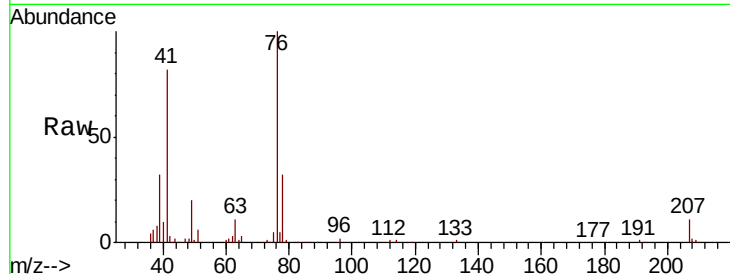
#57
 1,3-Dichloropropane
 Concen: 20.47 ug/l
 RT: 10.38 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion: 76 Resp: 260907
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

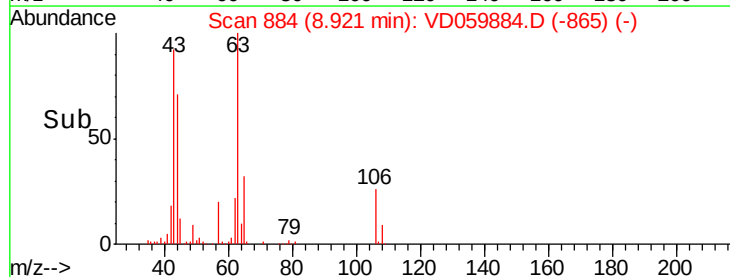
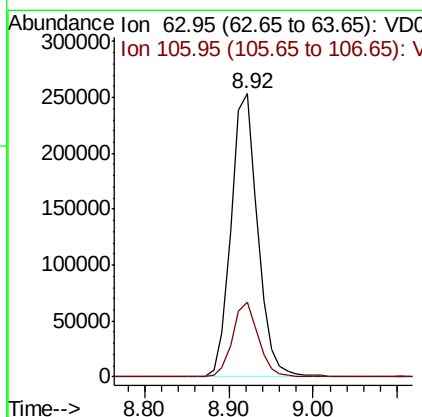
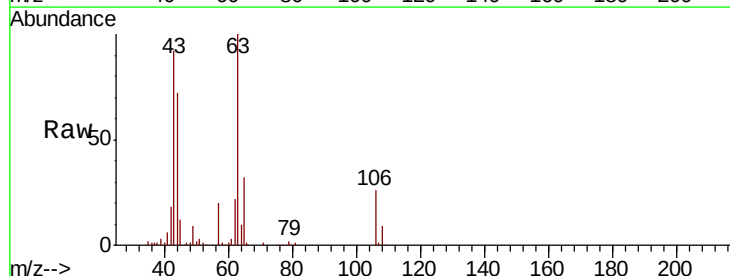
Manual Integrations
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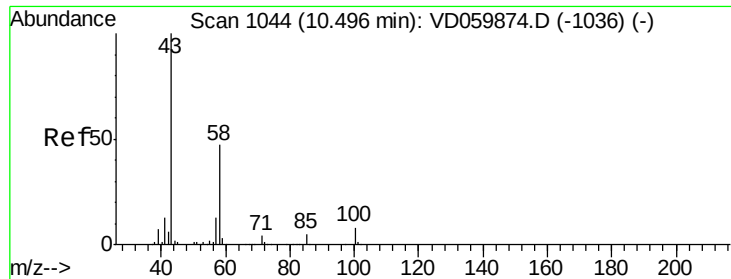
MMDadoda
 8/24/2018 3:09:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.58 ug/l
 RT: 8.92 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion: 63 Resp: 558493
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.1 30.1





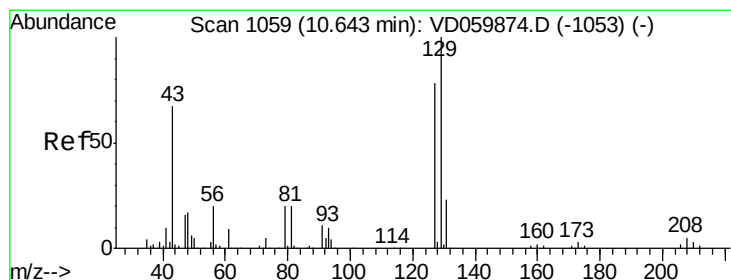
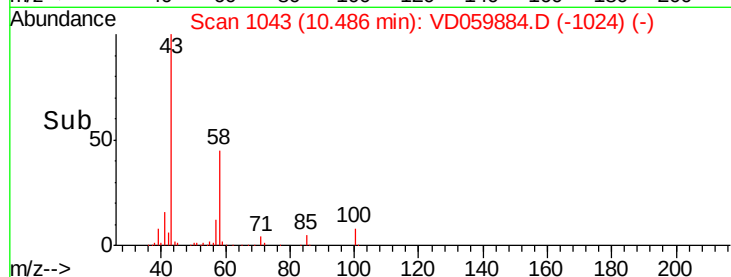
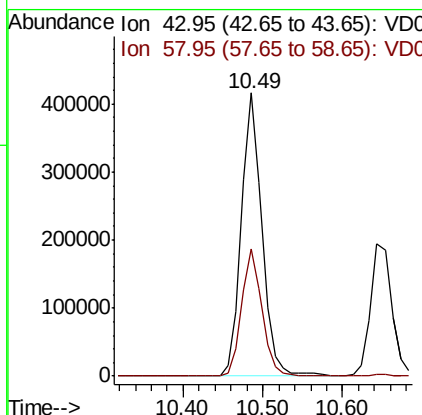
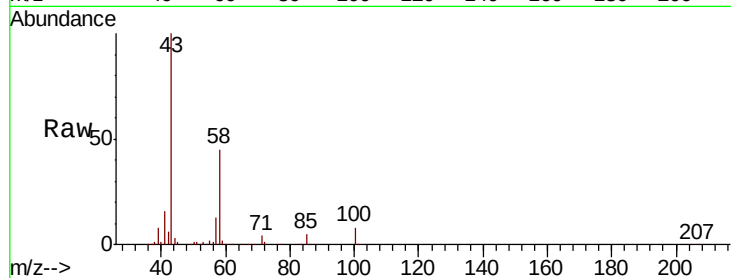
#59
2-Hexanone
Concen: 93.09 ug/l
RT: 10.49 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion: 43 Resp: 748604
Ion Ratio Lower Upper
43 100
58 45.0 23.3 69.8

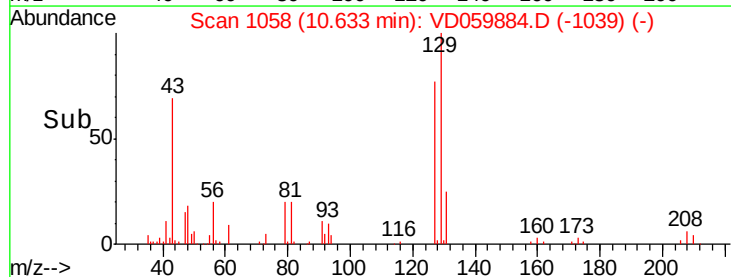
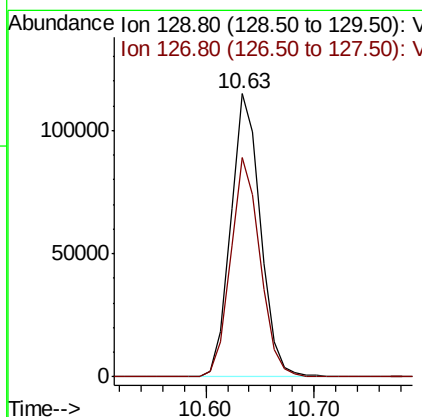
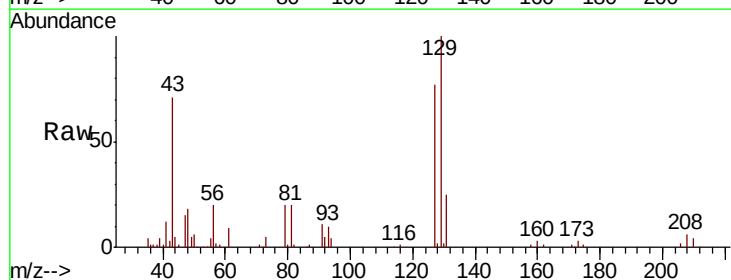
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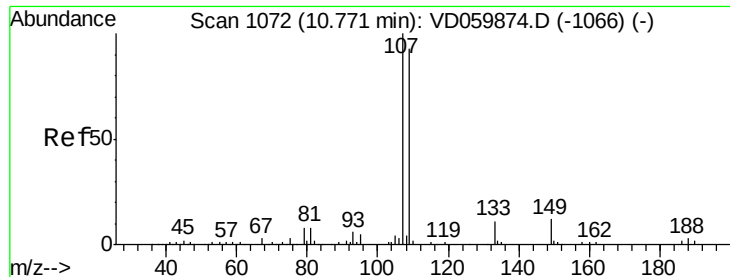
MMDadoda
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#60
Dibromochloromethane
Concen: 19.75 ug/l
RT: 10.63 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion: 129 Resp: 218566
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2





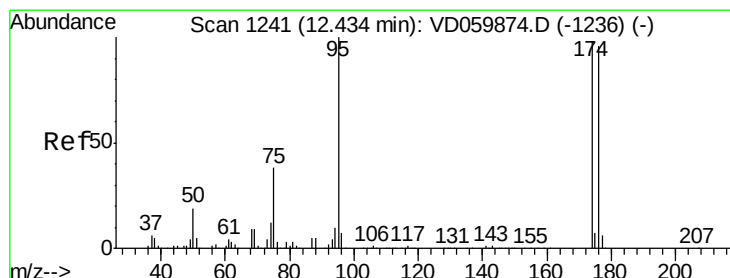
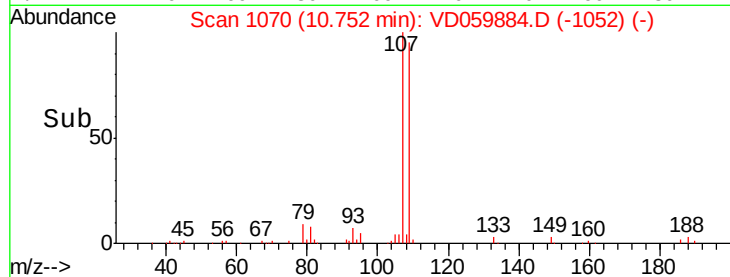
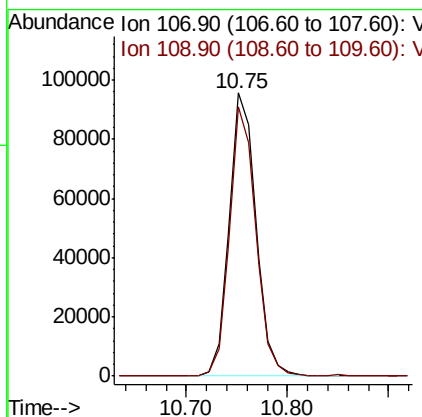
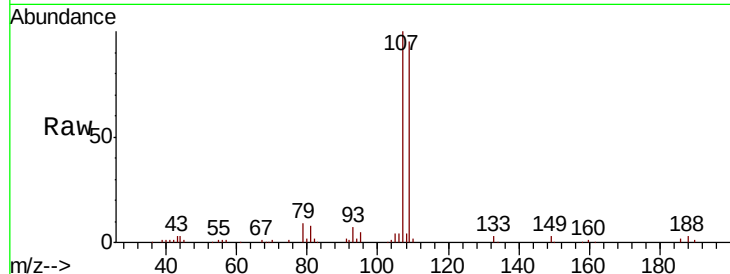
#61
 1,2-Dibromoethane
 Concen: 19.77 ug/l
 RT: 10.75 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.6	112.0

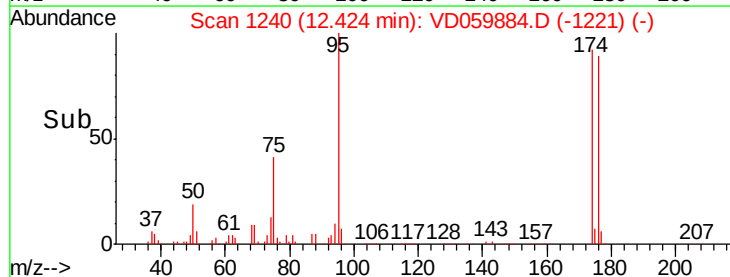
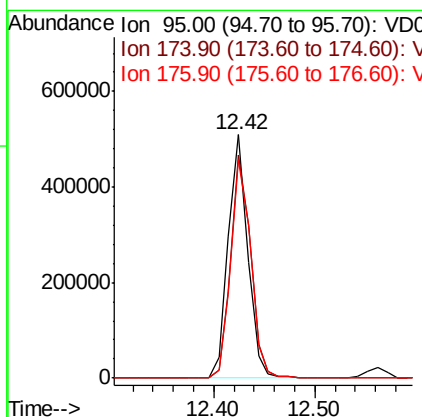
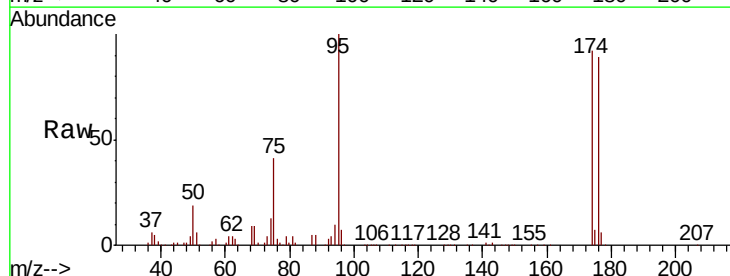
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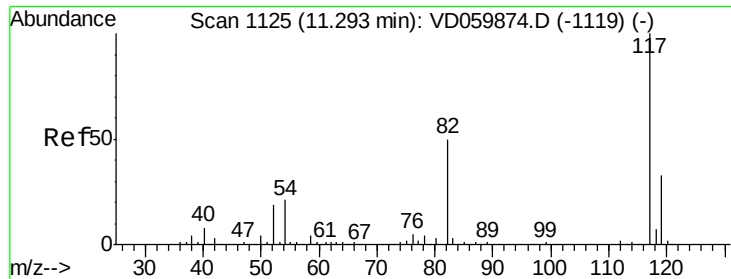
MMDadoda
 8/24/2018 3:09:07 PM



#62
 4-Bromofluorobenzene
 Concen: 19.77 ug/l
 RT: 12.42 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.9	0.0	195.6
176	89.4	0.0	191.2





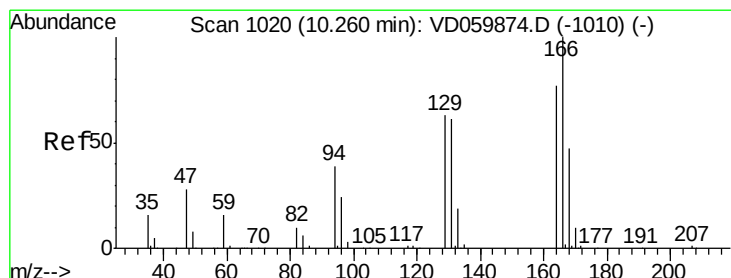
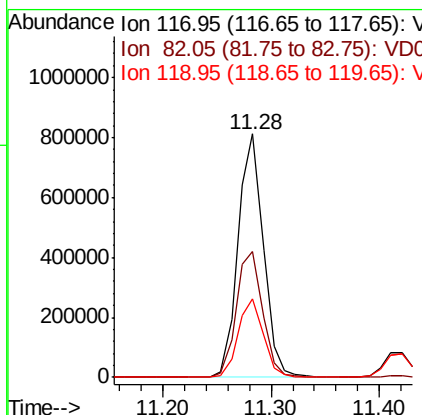
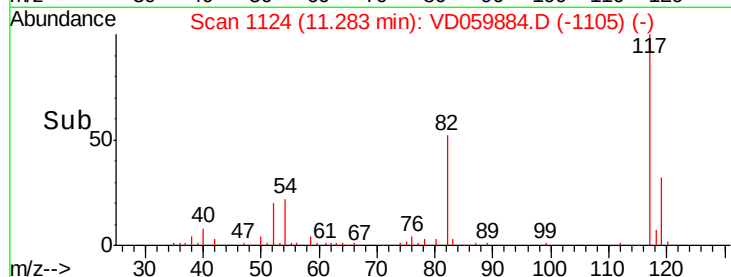
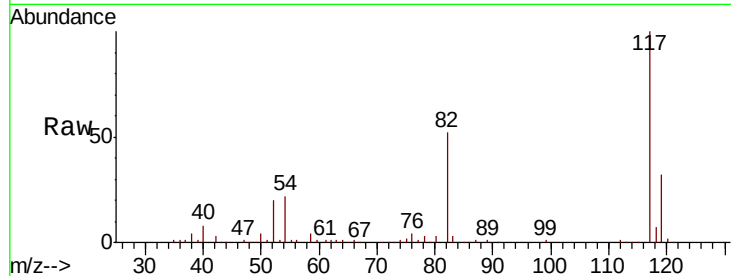
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleID :
VD0823SBS01

Tot Ion:117 Resp: 1318738
Ion Ratio Lower Upper
117 100
82 52.0 40.1 60.1
119 32.1 26.7 40.1

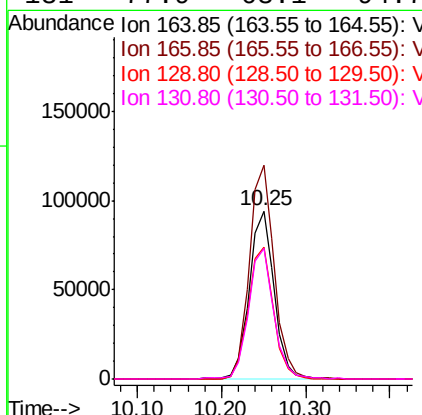
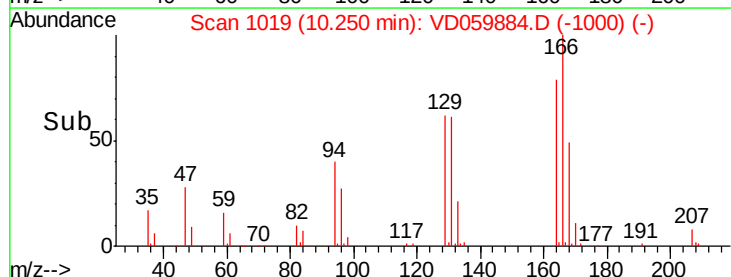
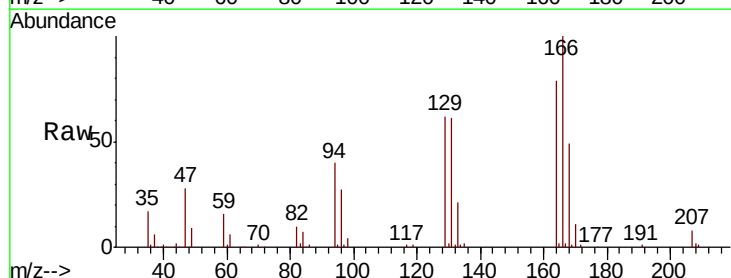
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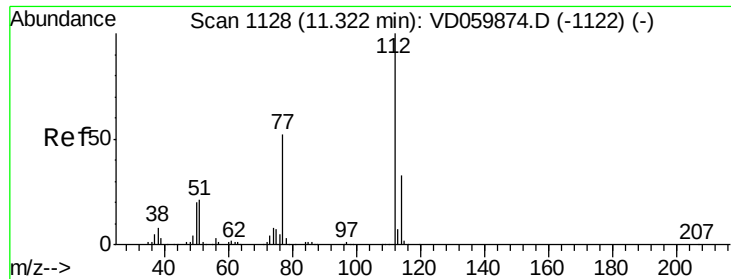
MMDadoda
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#64
Tetrachloroethene
Concen: 19.10 ug/l
RT: 10.25 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion:164 Resp: 194733
Ion Ratio Lower Upper
164 100
166 126.9 103.4 155.2
129 78.4 65.2 97.8
131 77.9 63.1 94.7





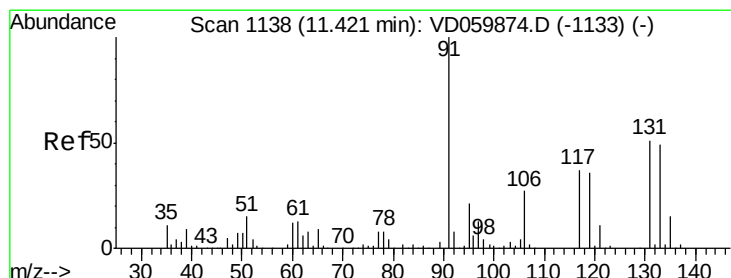
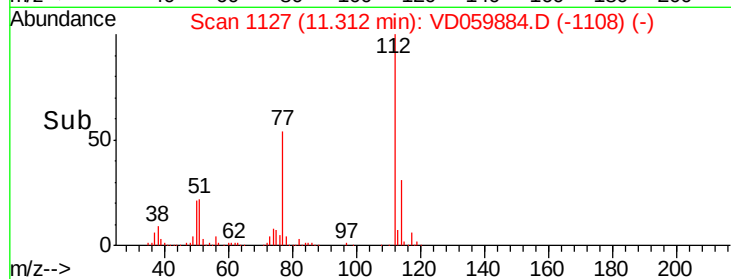
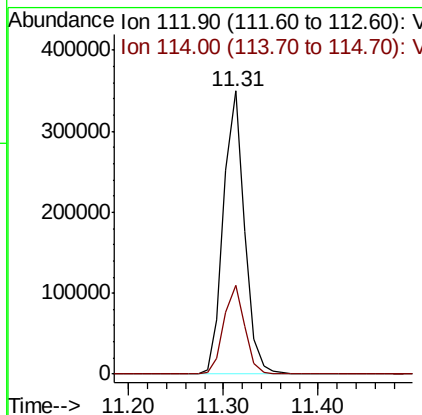
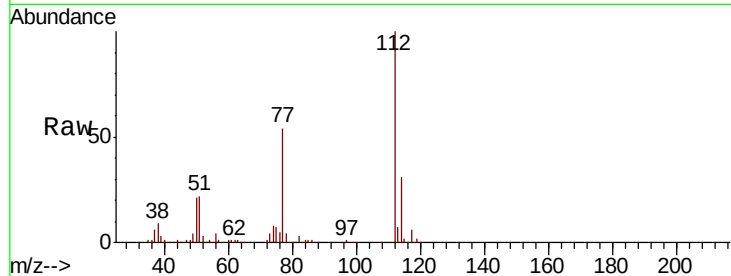
#65
Chlorobenzene
Concen: 20.54 ug/l
RT: 11.31 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	538378		
114	31.3	26.4	39.6	

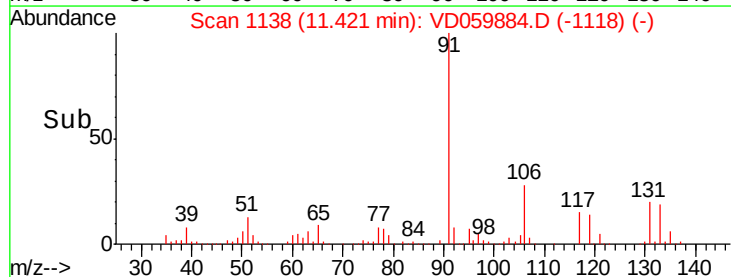
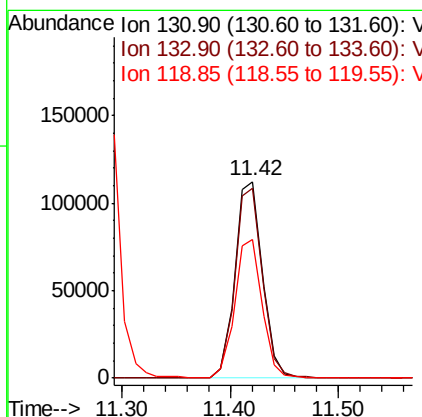
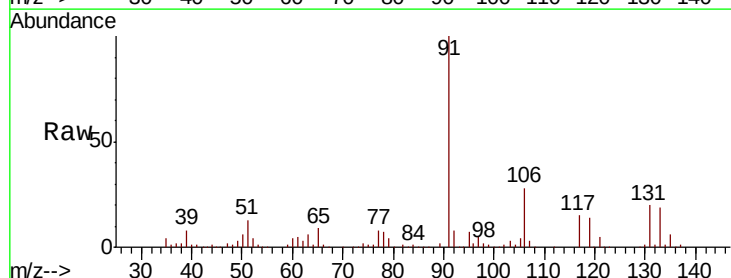
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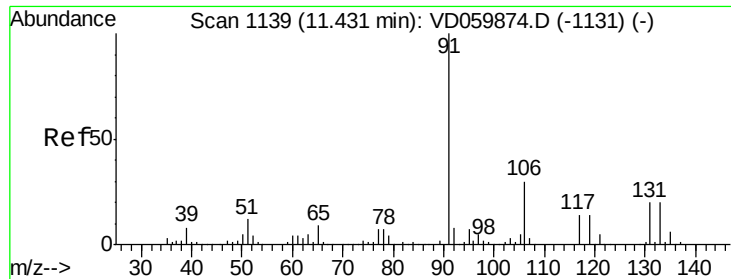
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.72 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	198328		
133	96.3	48.3	144.8	
119	70.3	35.4	106.3	





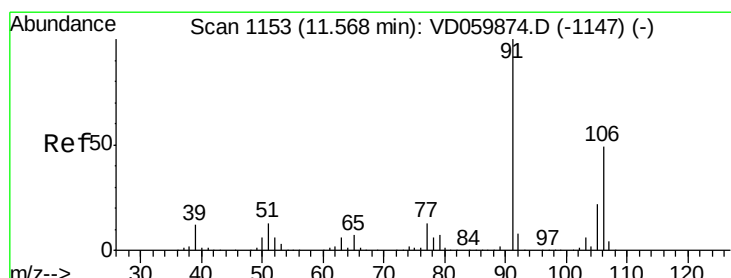
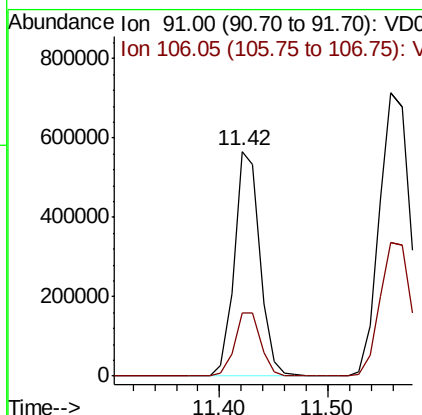
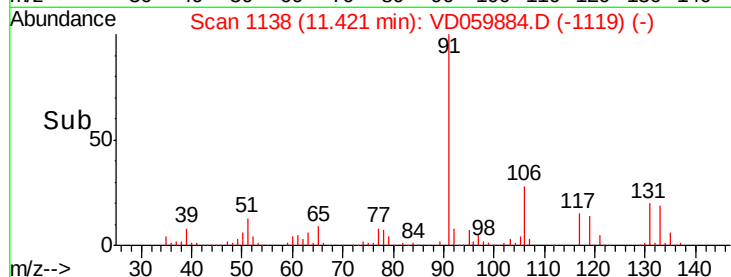
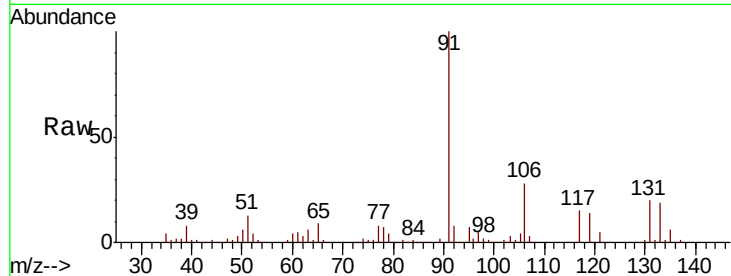
#67
Ethyl Benzene
Concen: 21.06 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion: 91 Resp: 928362
Ion Ratio Lower Upper
91 100
106 27.9 23.8 35.8

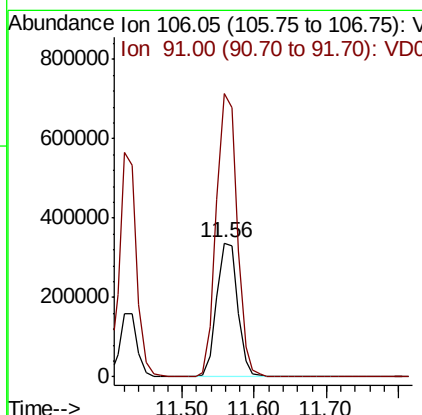
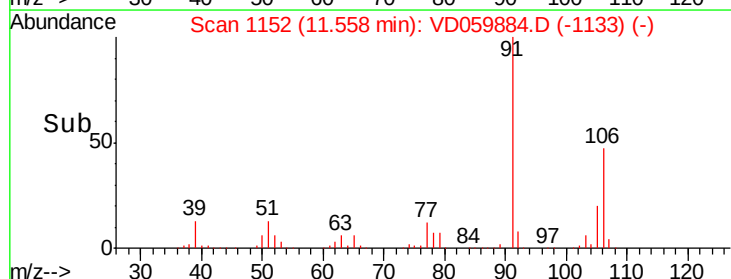
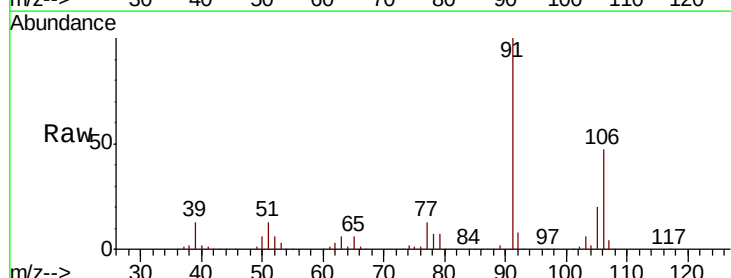
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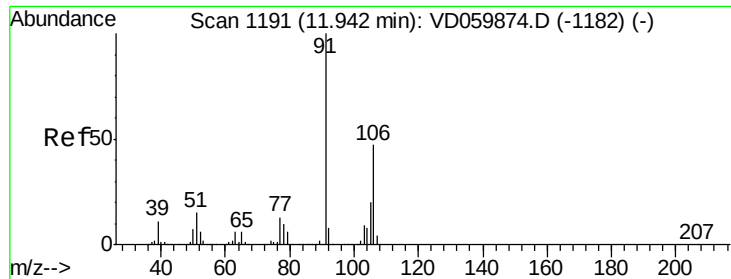
MMDadoda
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#68
m/p-Xylenes
Concen: 42.08 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion: 106 Resp: 675466
Ion Ratio Lower Upper
106 100
91 211.3 162.0 243.0





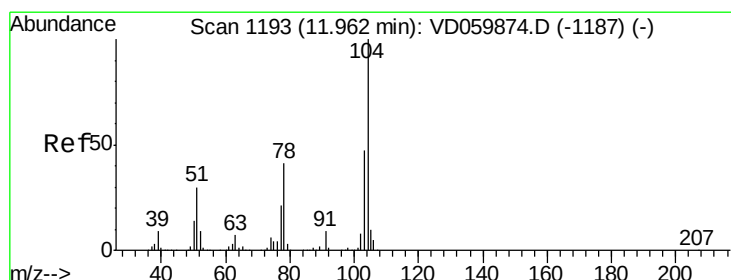
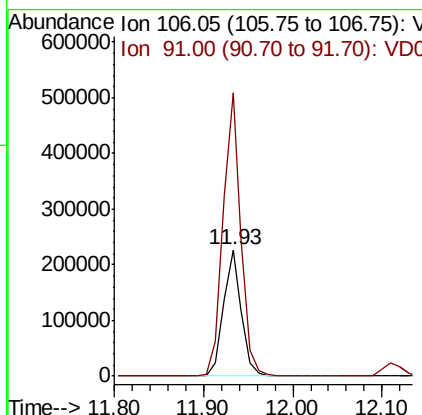
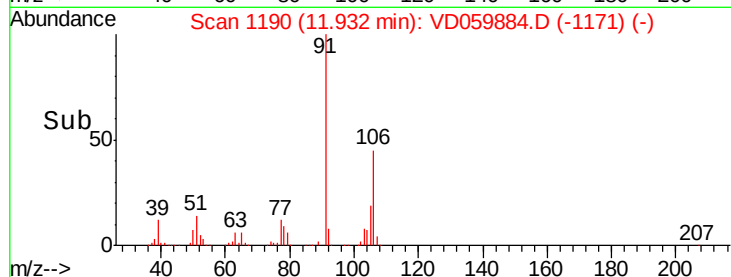
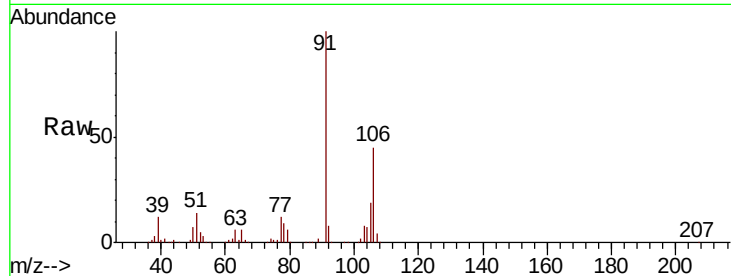
#69
o-Xylene
Concen: 20.47 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		321326		
91	223.7	107.3	322.0		

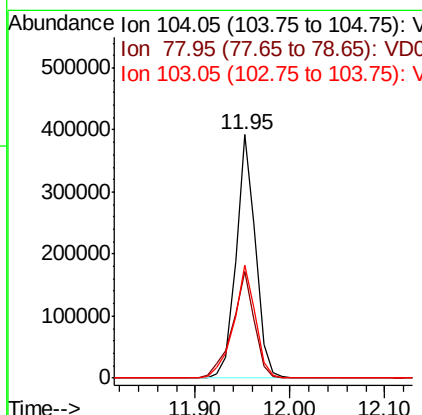
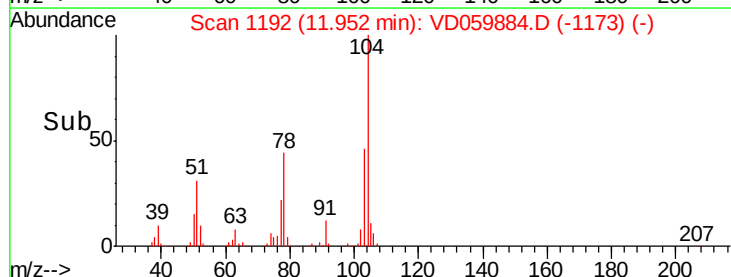
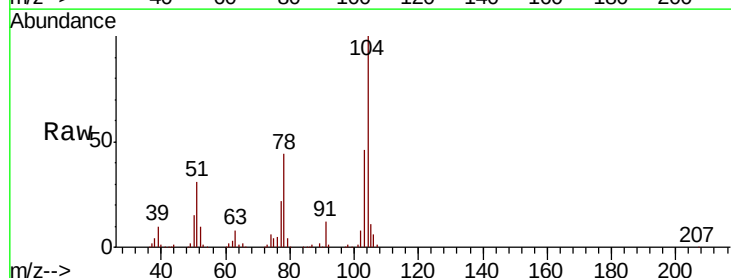
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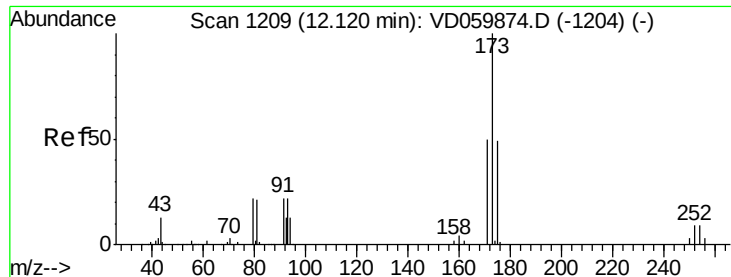
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#70
Styrene
Concen: 20.52 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		557764		
78	43.7	32.6	49.0		
103	46.4	37.7	56.5		





#71

Bromoform

Concen: 20.49 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

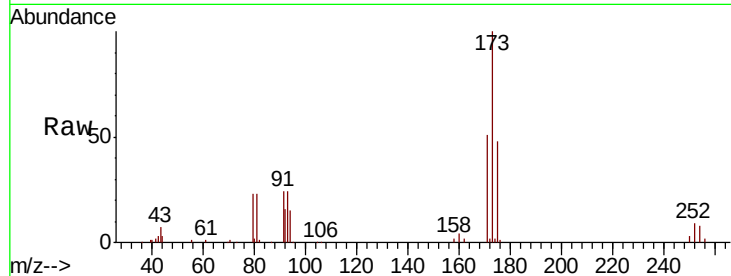
ClientSampleId :

VD0823SBSD01

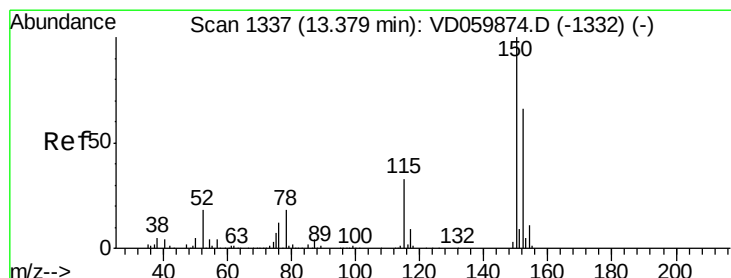
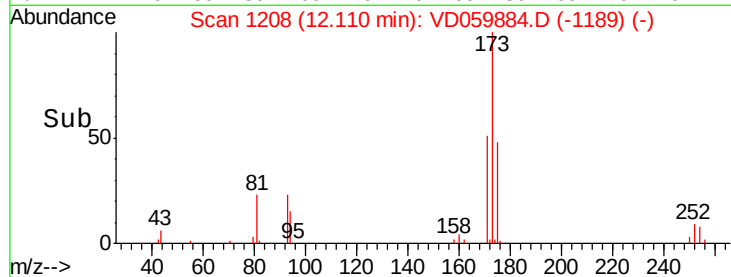
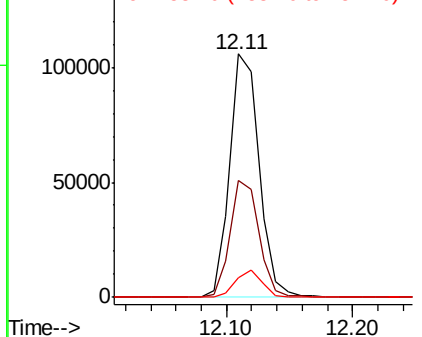
Tot Ion:	173	Resp:	169711
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.3	73.0
254	8.3	7.0	10.6

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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

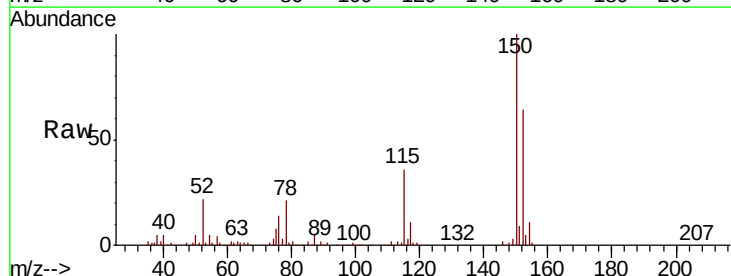
RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

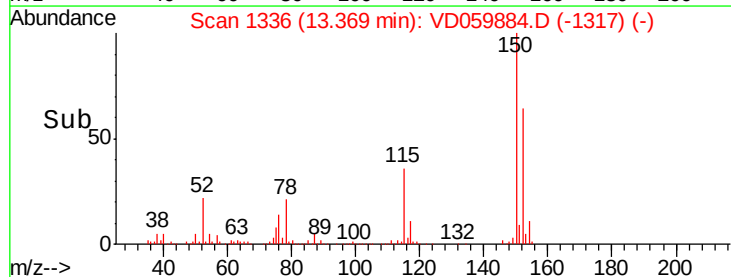
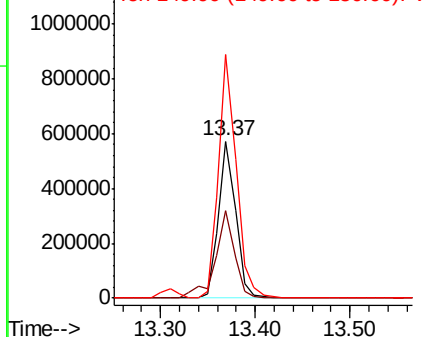
Lab File: VD059884.D

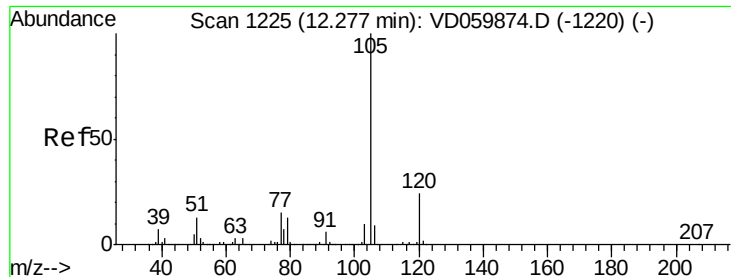
Acq: 23 Aug 2018 13:17

Tgt Ion:	152	Resp:	720389
Ion Ratio	Lower	Upper	
152	100		
115	55.7	25.7	77.0
150	155.5	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: 18.73 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

Tot Ion: 105 Resp: 861305

Ion Ratio Lower Upper

105 100

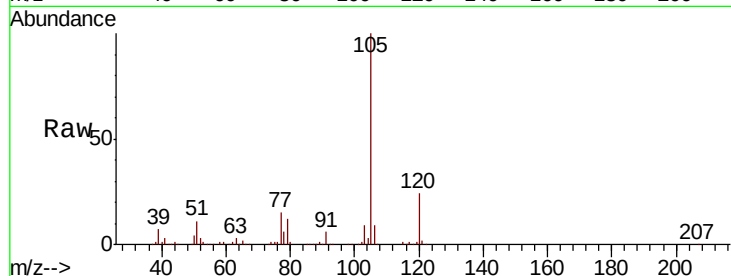
120 24.1 11.8 35.4

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

12.28

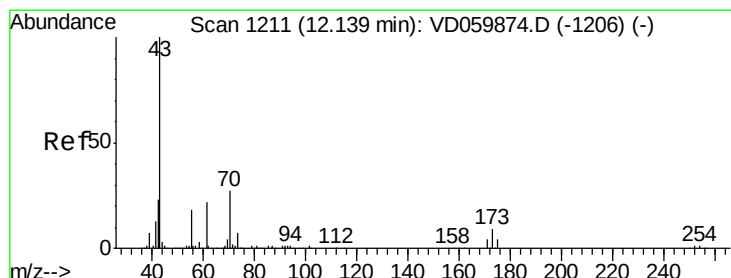
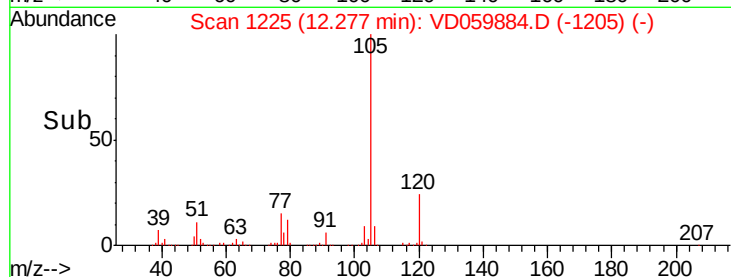
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 19.72 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Tgt Ion: 43 Resp: 397122

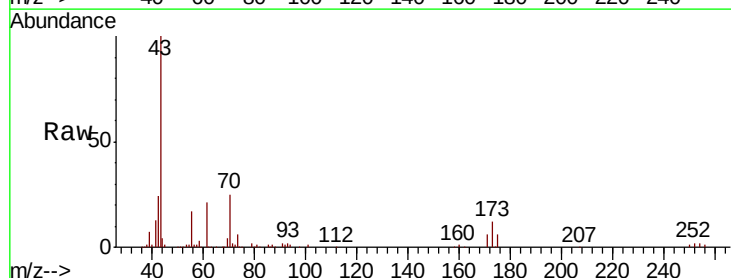
Ion Ratio Lower Upper

43 100

70 25.0 21.4 32.2

55 16.9 14.1 21.1

61 21.4 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

12.13

400000

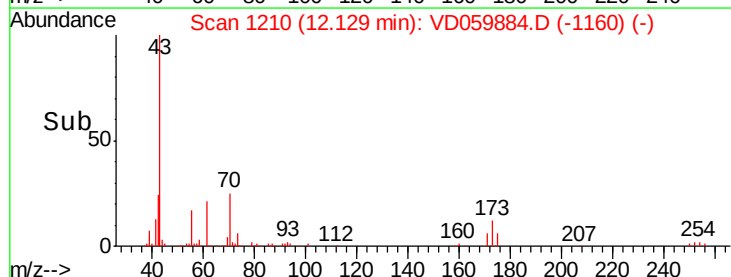
300000

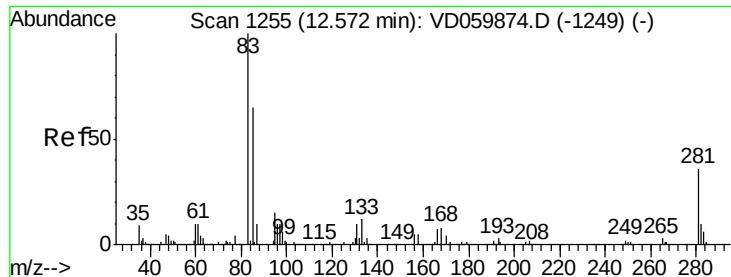
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.09 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

Tot Ion: 83 Resp: 213713
Ion Ratio Lower Upper

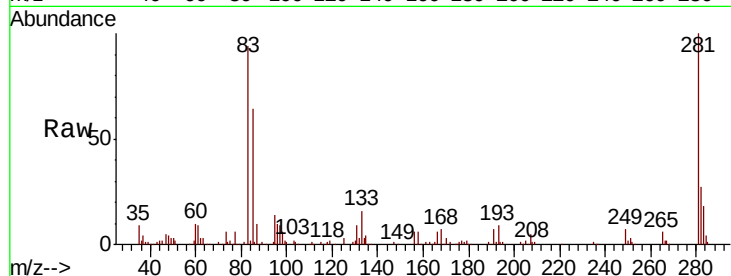
83 100

131 9.7 4.8 14.4

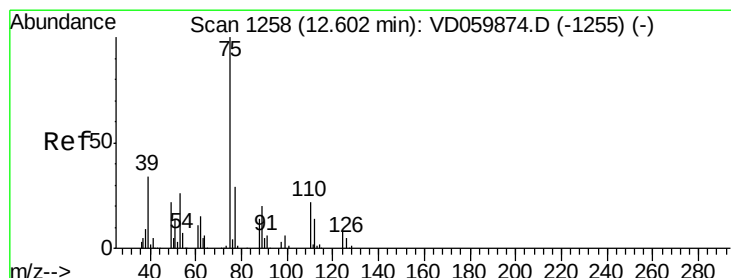
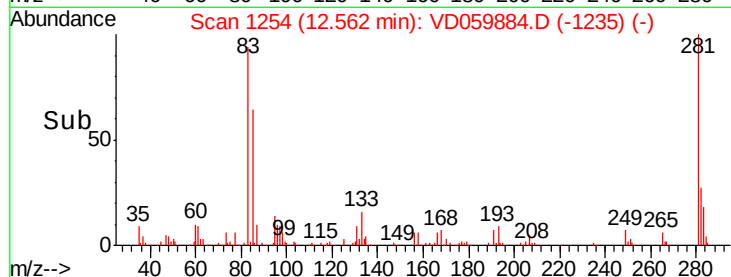
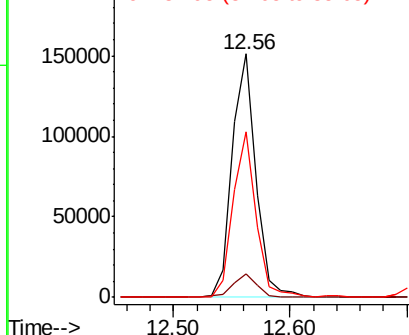
85 67.9 32.6 97.8

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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: 19.69 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

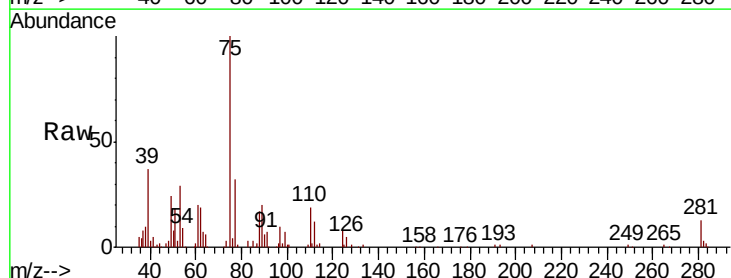
Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

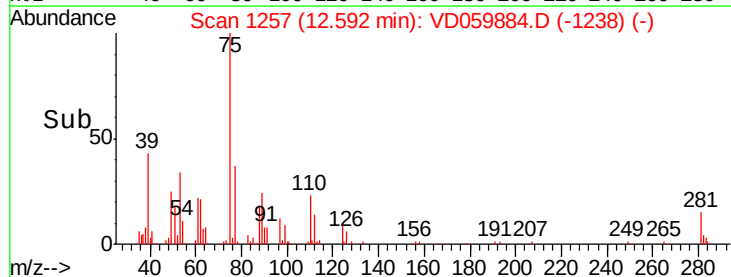
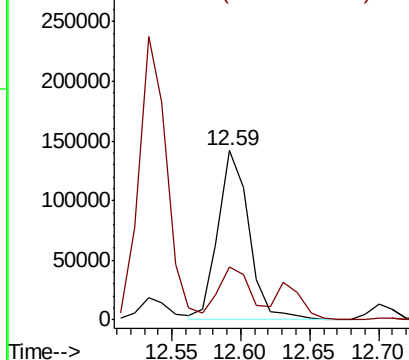
Tgt Ion: 75 Resp: 220492
Ion Ratio Lower Upper

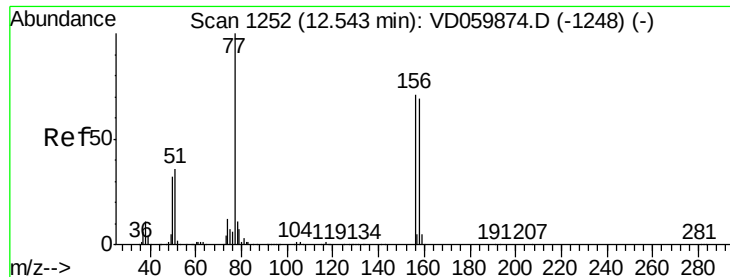
75 100

77 31.7 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





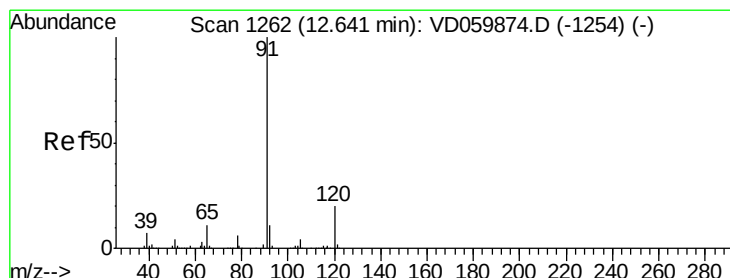
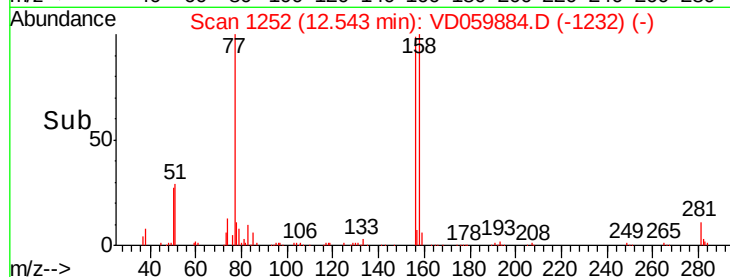
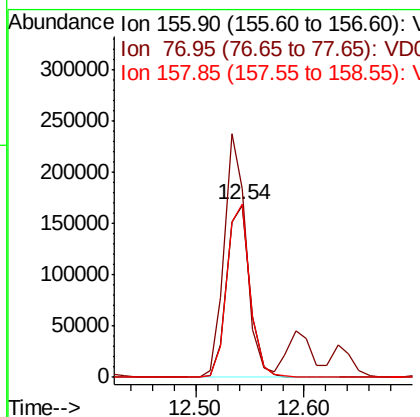
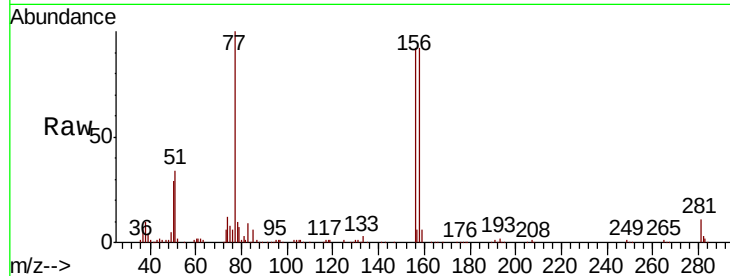
#77
Bromobenzene
Concen: 19.76 ug/l
RT: 12.54 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	109.0	70.2	210.4
158	100.2	48.4	145.2

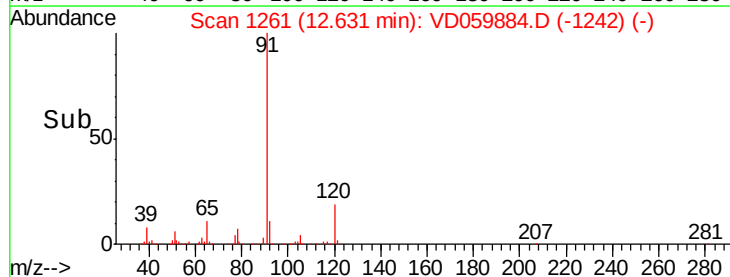
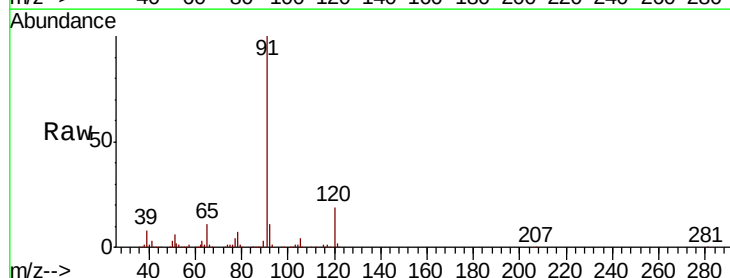
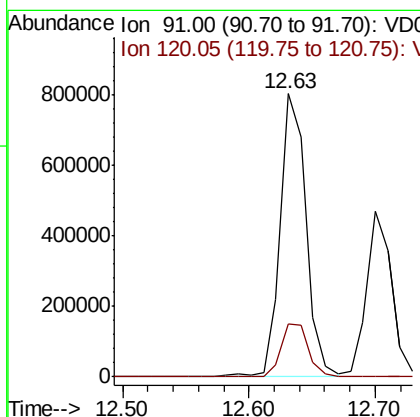
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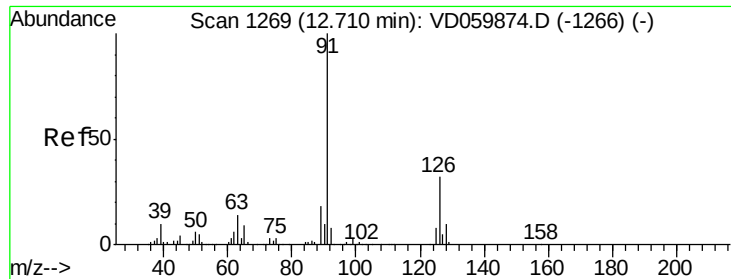
MMDadoda
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#78
n-propylbenzene
Concen: 19.68 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.8	10.1	30.3





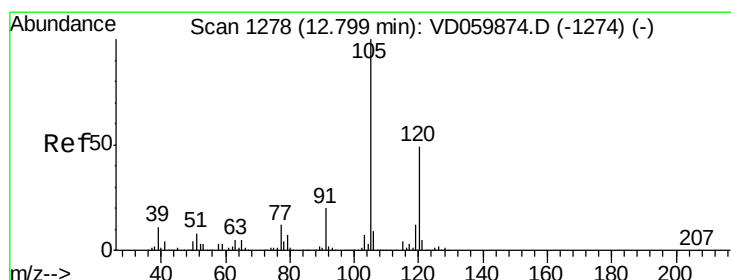
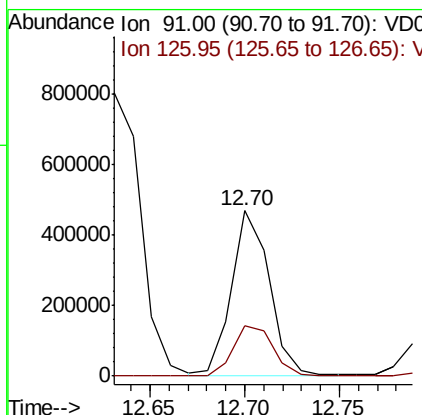
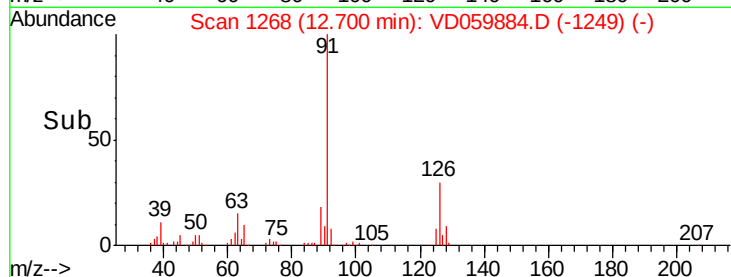
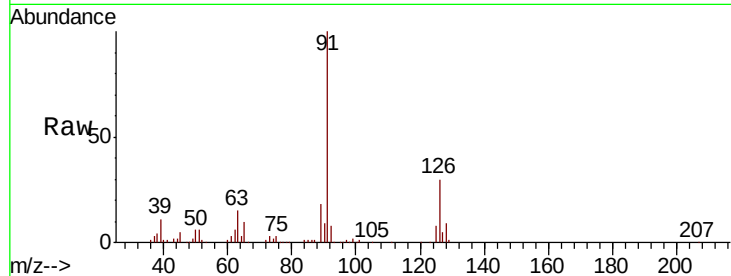
#79
 2-Chlorotoluene
 Concen: 19.62 ug/l
 RT: 12.70 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

Tot Ion: 91 Resp: 646263
 Ion Ratio Lower Upper
 91 100
 126 30.2 16.1 48.2

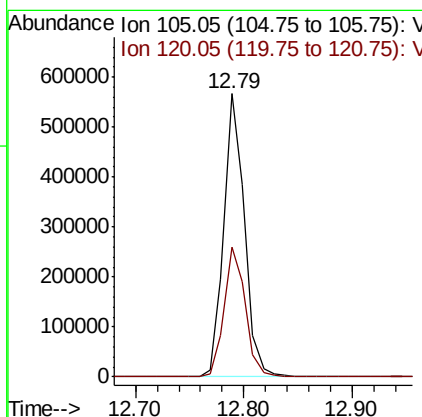
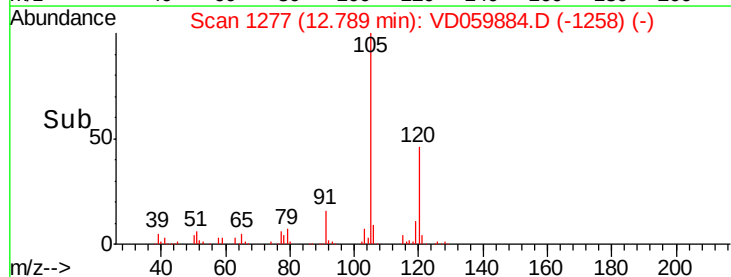
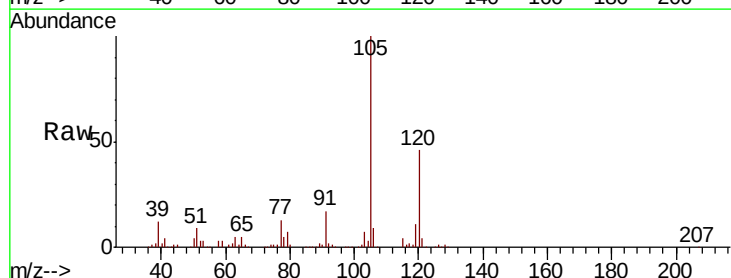
Manual Integrations
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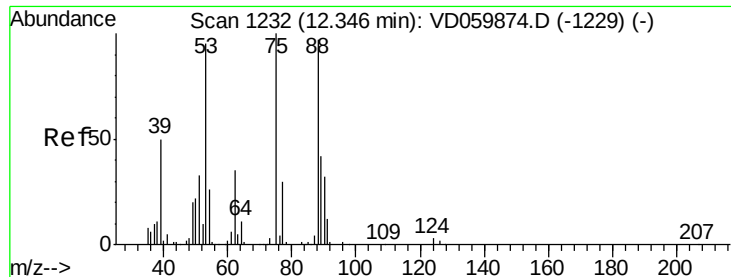
MMDadoda
 8/24/2018 3:09:07 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.57 ug/l
 RT: 12.79 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion: 105 Resp: 752101
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.5 73.5





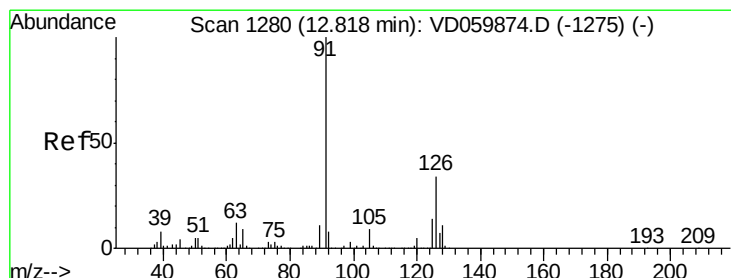
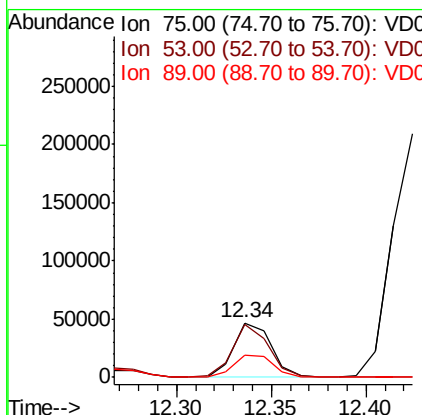
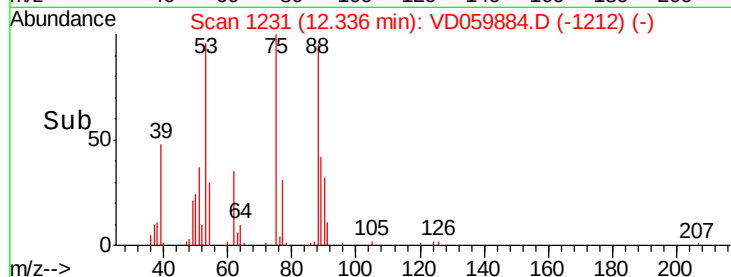
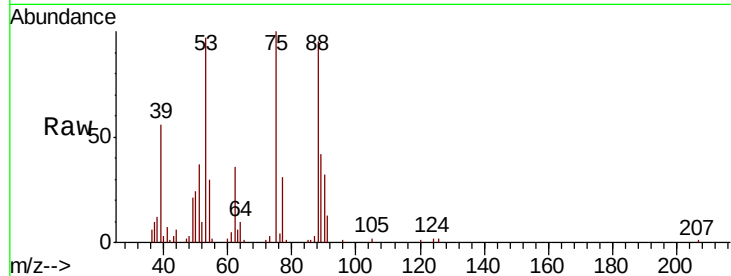
#81
trans-1,4-Dichloro-2-butene
Concen: 18.63 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	75.8	113.6
89	41.6	33.6	50.4

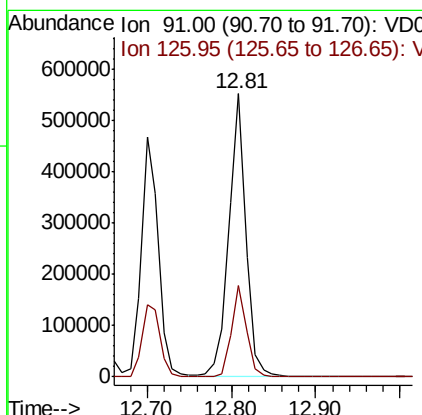
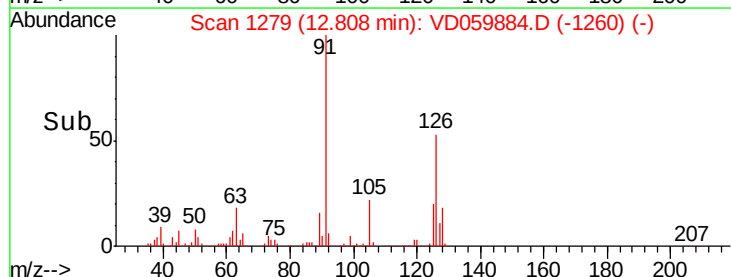
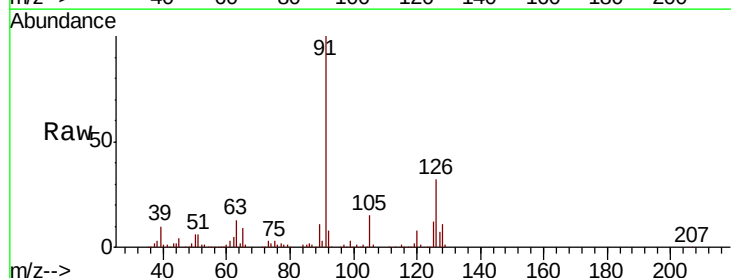
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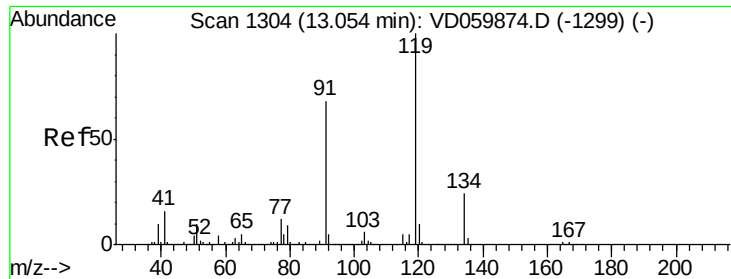
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#82
4-Chlorotoluene
Concen: 20.67 ug/l
RT: 12.81 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	17.1	51.2





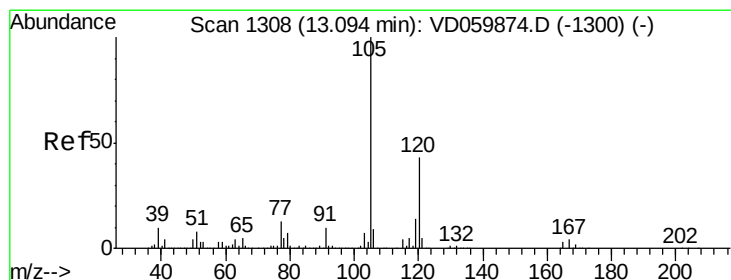
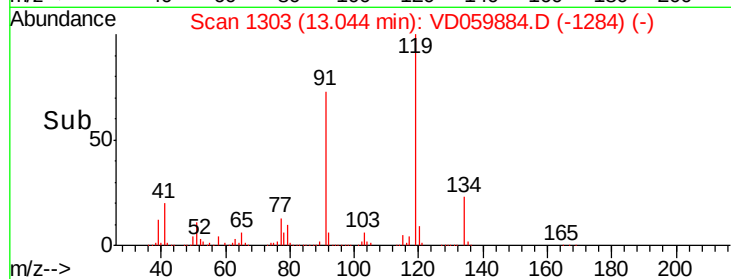
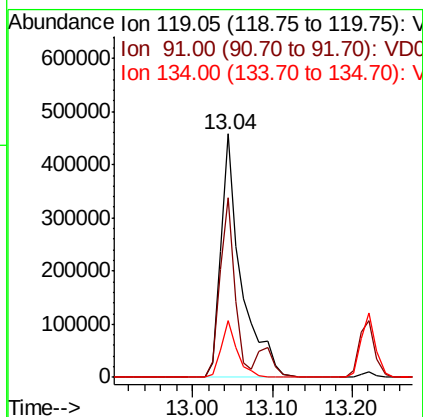
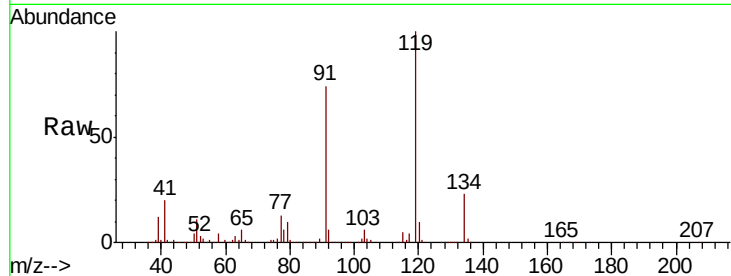
#83
 tert-Butylbenzene
 Concen: 19.69 ug/l
 RT: 13.04 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	820235		
91	73.5		34.3	102.9
134	23.5		11.9	35.9

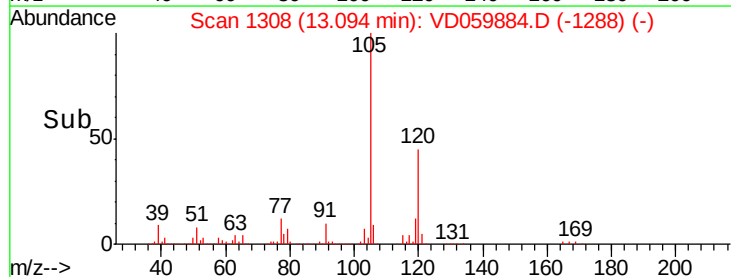
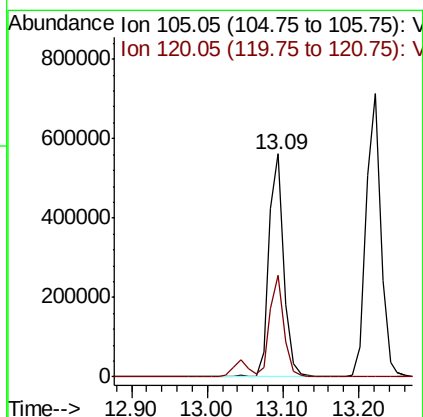
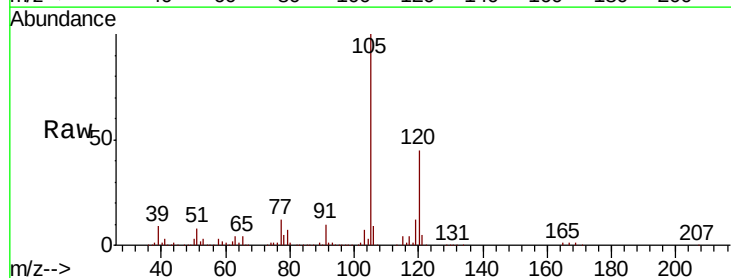
Manual Integrations
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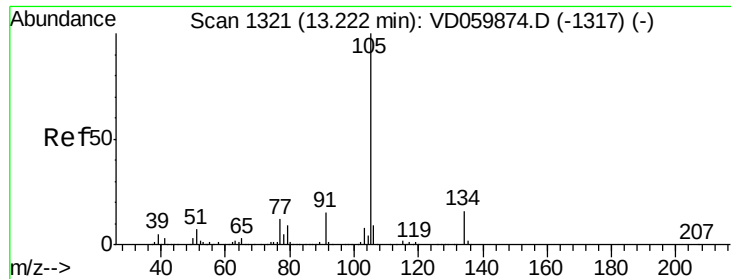
MMDadoda
 8/24/2018 3:09:07 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.88 ug/l
 RT: 13.09 min Scan# 1308
 Delta R.T. -0.00 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	757500		
120	45.4		21.8	65.3





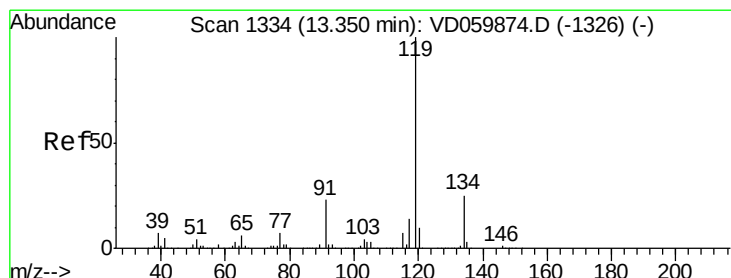
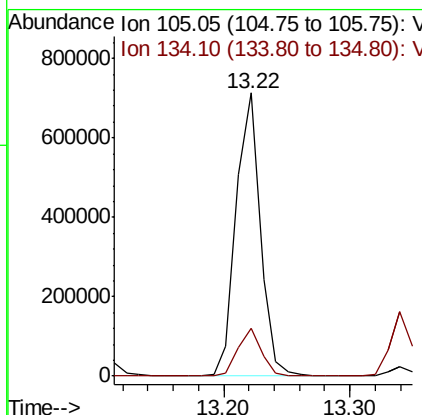
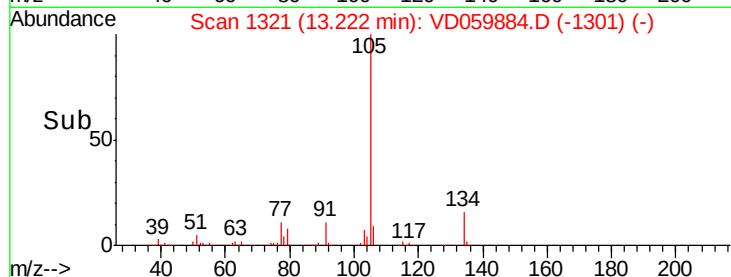
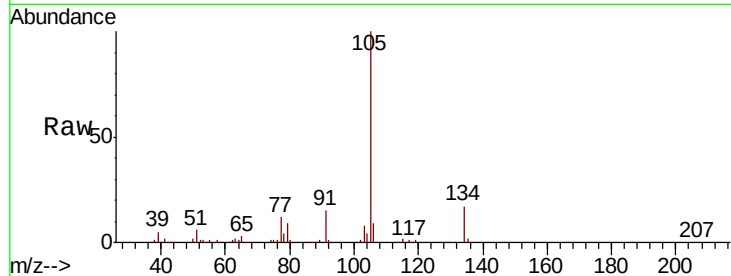
#85
 sec-Butylbenzene
 Concen: 19.08 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.1	8.2	24.4

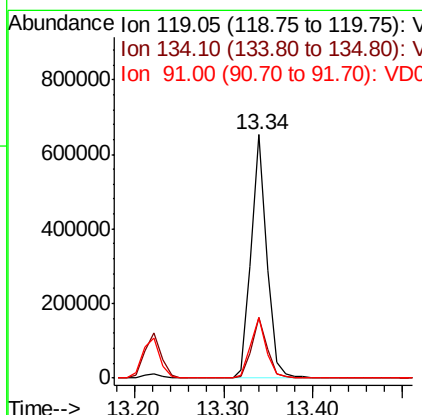
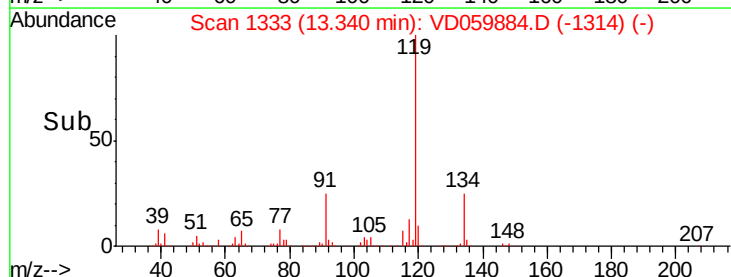
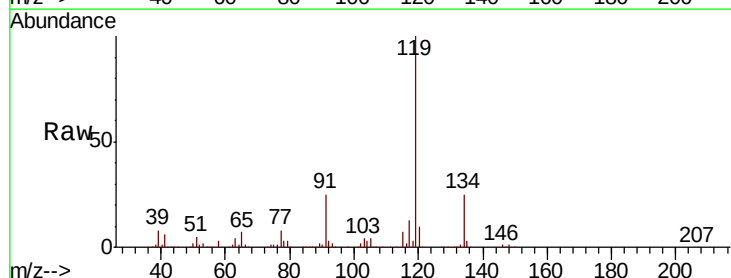
Manual Integrations
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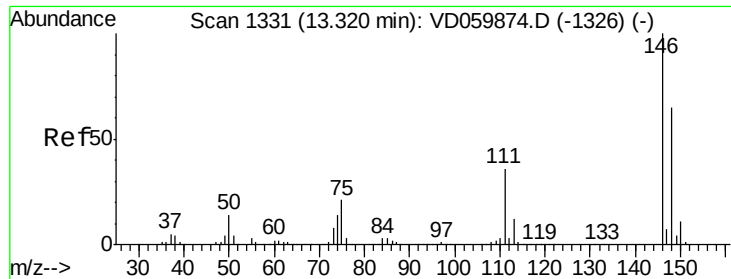
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#86
 p-Isopropyltoluene
 Concen: 19.67 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.7	38.1
91	24.7	11.7	35.0





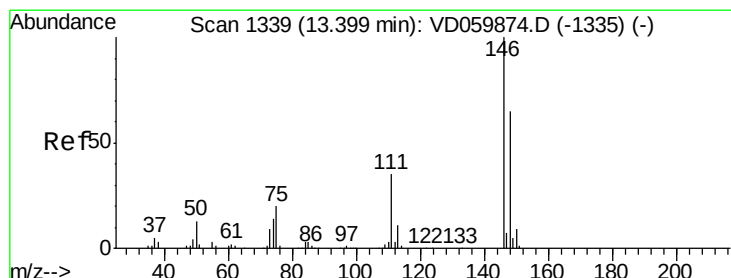
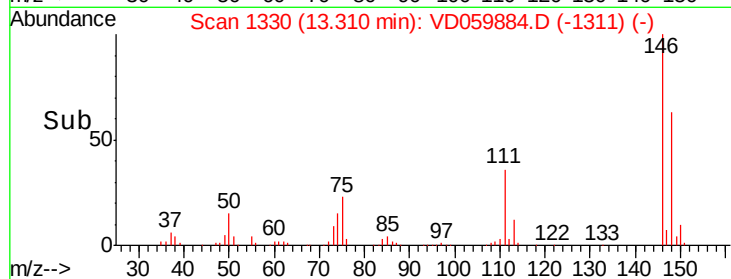
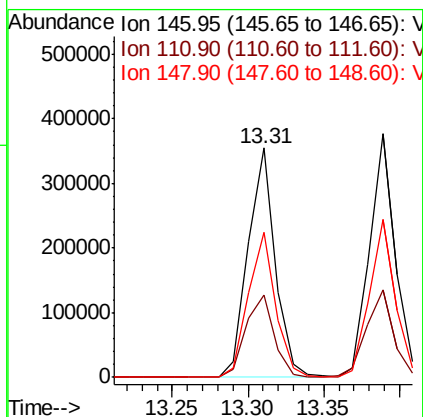
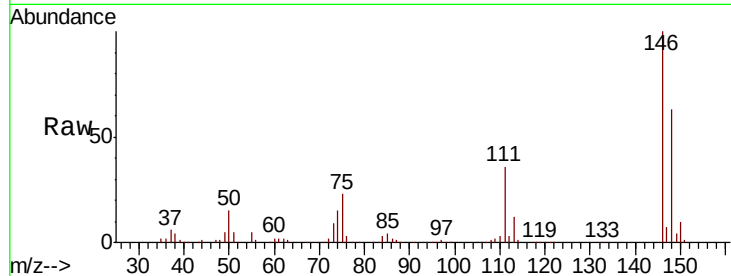
#87
 1,3-Dichlorobenzene
 Concen: 19.48 ug/l
 RT: 13.31 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.9	53.7
148	63.2	32.4	97.0

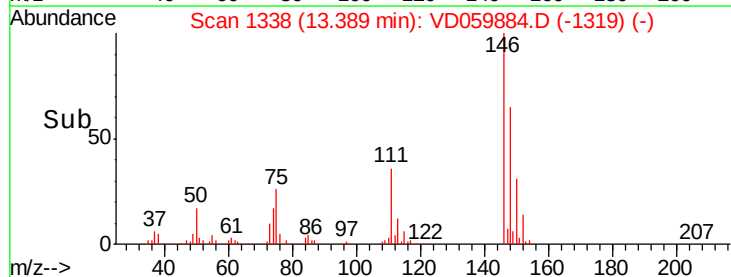
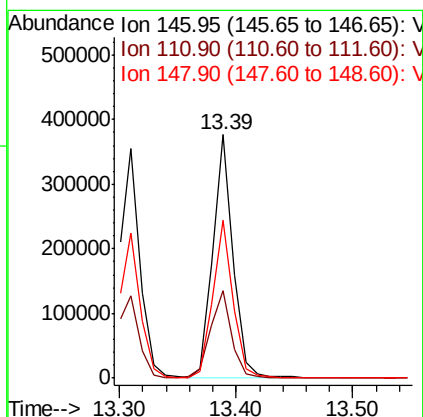
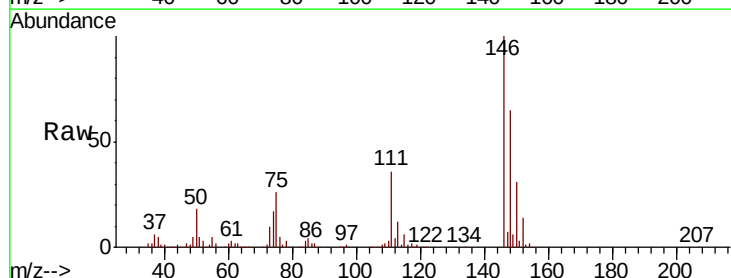
Manual Integrations
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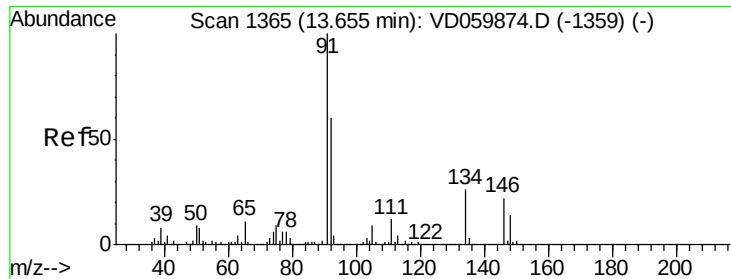
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#88
 1,4-Dichlorobenzene
 Concen: 19.72 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.5	52.6
148	64.7	32.5	97.5





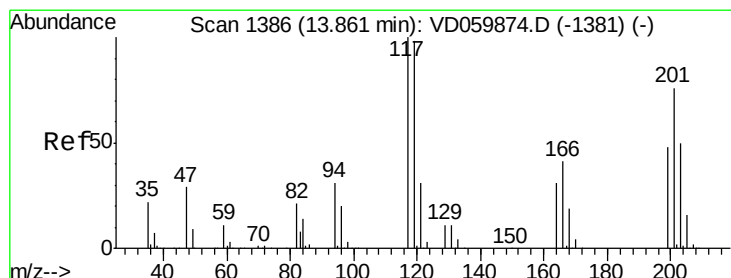
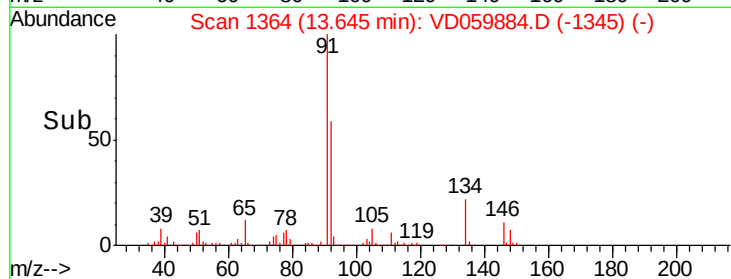
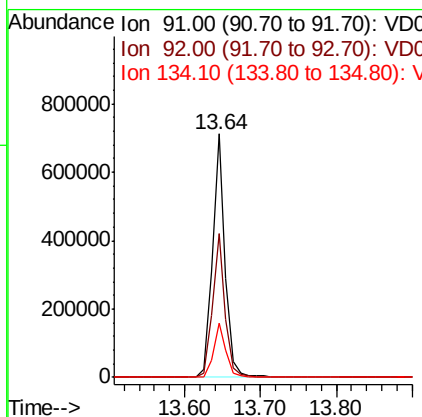
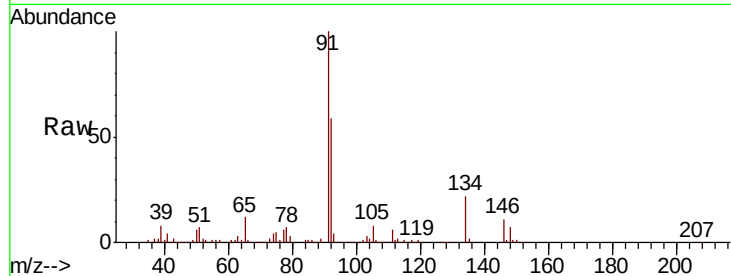
#89
n-Butylbenzene
Concen: 19.41 ug/l
RT: 13.64 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.8	30.0	90.1
134	22.2	12.8	38.4

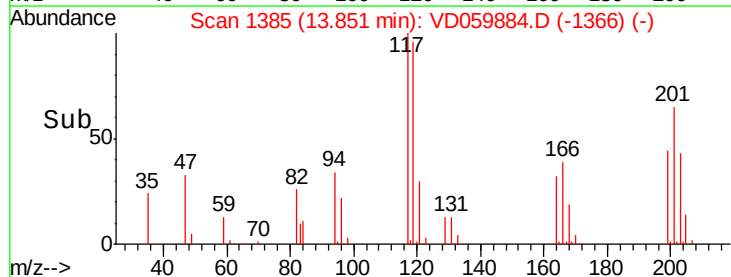
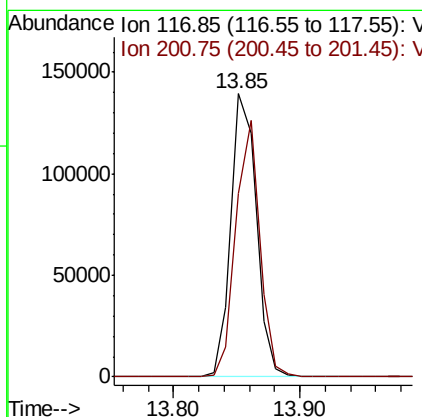
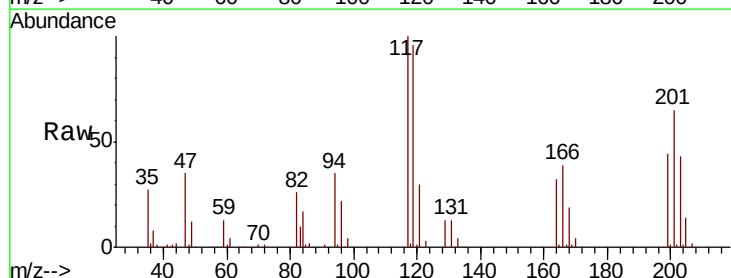
Manual Integrations
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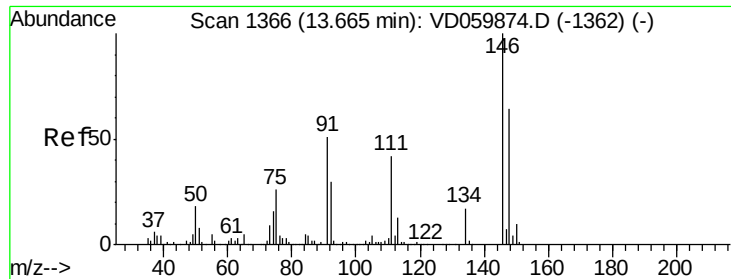
MMDadoda
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#90
Hexachloroethane
Concen: 18.25 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.9	38.1	114.5





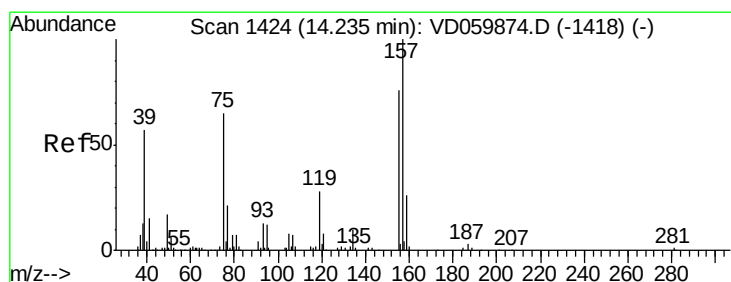
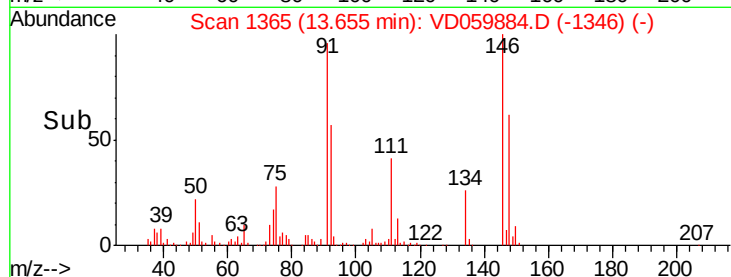
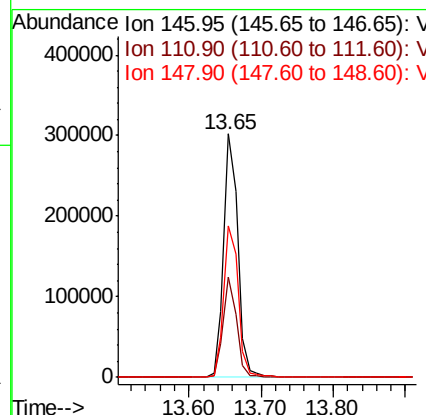
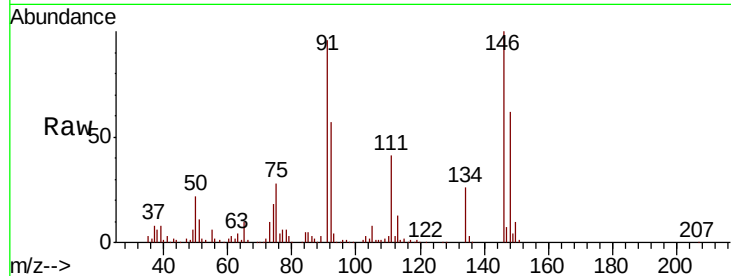
#91
 1,2-Dichlorobenzene
 Concen: 21.18 ug/l
 RT: 13.65 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.1
148	62.4	32.2	96.6

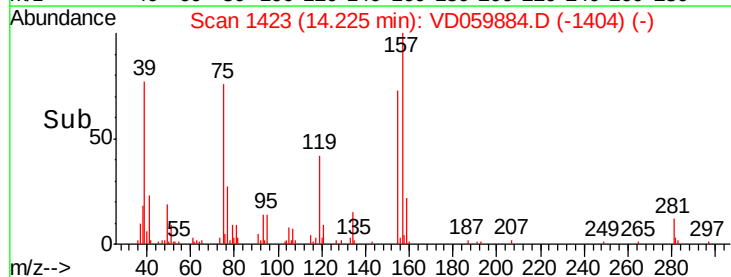
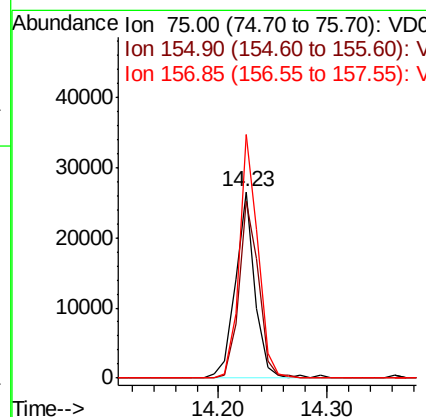
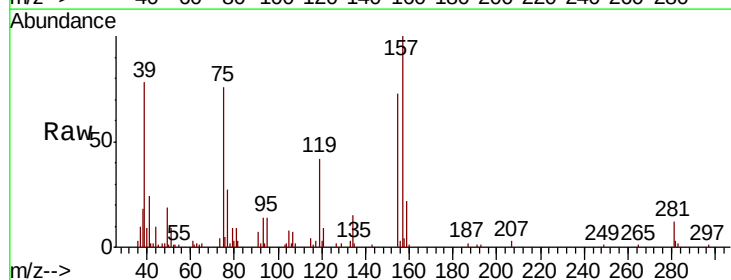
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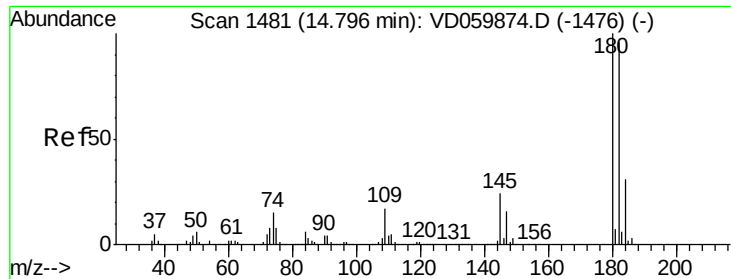
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.32 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	58.2	174.6
157	130.7	76.8	230.4





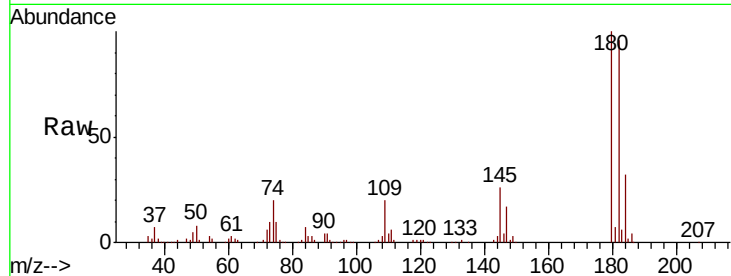
#93
 1,2,4-Trichlorobenzene
 Concen: 19.55 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

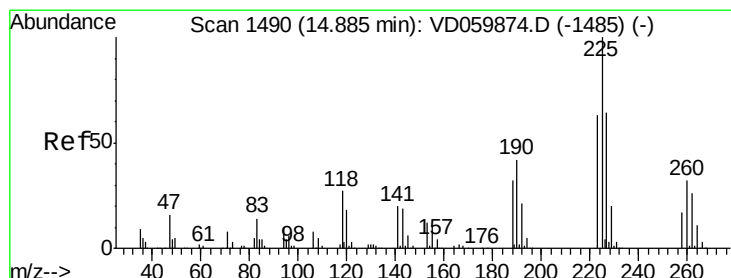
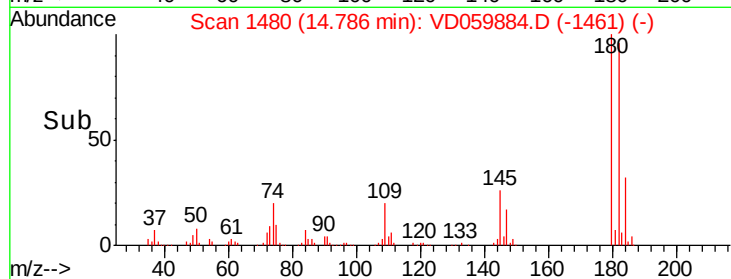
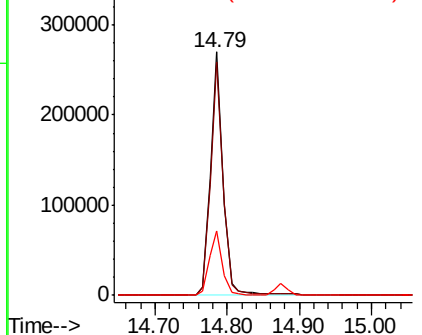
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	26.5	12.2	36.4

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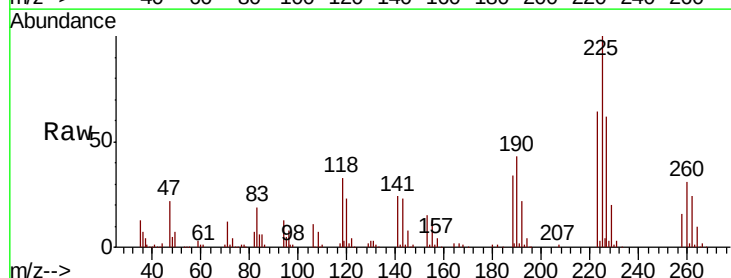


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

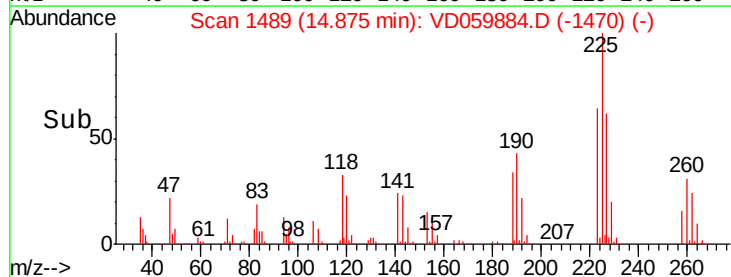
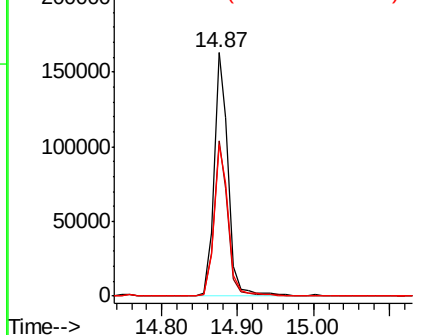


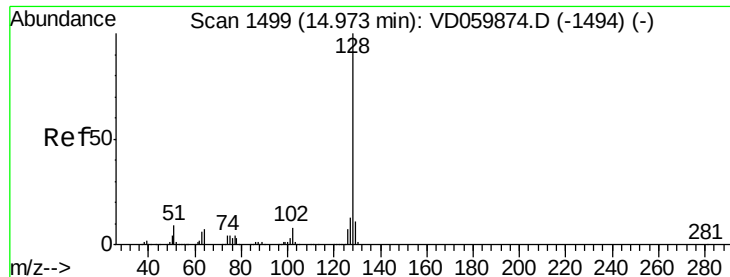
#94
 Hexachlorobutadiene
 Concen: 19.93 ug/l
 RT: 14.87 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.6	94.8
227	62.0	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





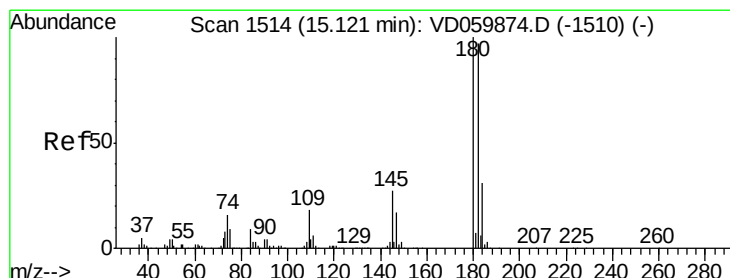
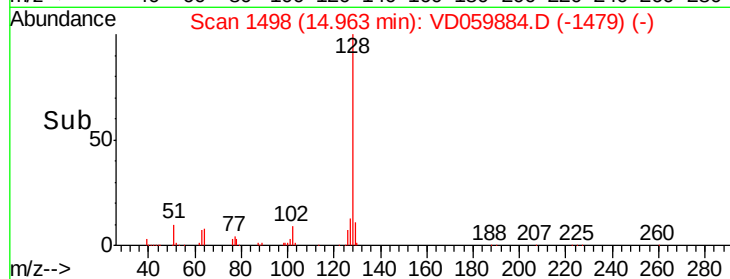
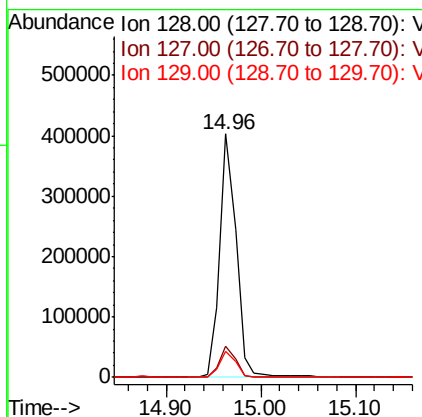
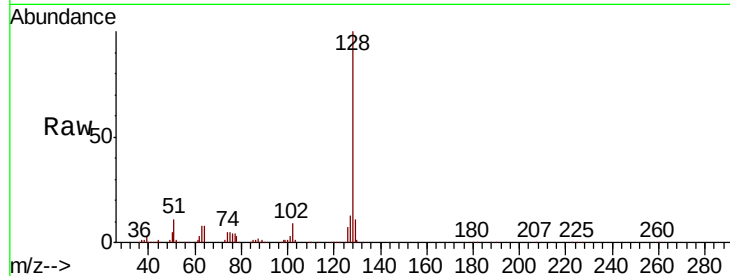
#95
Naphthalene
Concen: 19.34 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	489827		
127	12.8	10.0	15.0	
129	10.9	8.6	13.0	

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#96
1,2,3-Trichlorobenzene
Concen: 19.36 ug/l
RT: 15.11 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	274371		
182	94.0	48.6	145.8	
145	28.0	13.6	40.8	

