

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059903.D
 Acq On : 24 Aug 2018 13:29
 Operator : JC/SY
 Sample : VD0824SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBSD01

Manual Integrations
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 8/27/2018 10:48:40 AM

Quant Time: Aug 24 14:57:04 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	6.40	168	1248011	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.43	114	1780034	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1519520	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	790460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	558505	53.10	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	106.20%	
35) Dibromofluoromethane	6.31	113	670294	48.03	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	96.06%	
50) Toluene-d8	9.45	98	1839042	47.48	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.42	95	725372	46.11	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	92.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	201686	18.08	ug/l	98
3) Chloromethane	1.75	50	196605	19.45	ug/l	98
4) Vinyl Chloride	1.84	62	157270	19.85	ug/l	99
5) Bromomethane	2.13	94	14153	10.34	ug/l	99
6) Chloroethane	2.23	64	34296	11.94	ug/l	99
7) Trichlorofluoromethane	2.49	101	174824	19.07	ug/l	98
8) Diethyl Ether	2.81	74	43108	20.96	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	126041	22.45	ug/l	97
10) Methyl Iodide	3.23	142	107037	20.12	ug/l	98
11) Tert butyl alcohol	3.97	59	86687	108.01	ug/l	99
12) 1,1-Dichloroethene	3.05	96	92247	21.11	ug/l	96
13) Acrolein	2.97	56	29986	86.14	ug/l	93
14) Allyl chloride	3.51	41	202708	20.50	ug/l	97
15) Acrylonitrile	4.07	53	312658	104.03	ug/l	97
16) Acetone	3.15	43	191872	100.12	ug/l	95
17) Carbon Disulfide	3.30	76	228558	16.85	ug/l	98
18) Methyl Acetate	3.54	43	77249	19.31	ug/l	97
19) Methyl tert-butyl Ether	4.10	73	505863	20.46	ug/l	97
20) Methylene Chloride	3.70	84	284552	20.01	ug/l	96
21) trans-1,2-Dichloroethene	4.08	96	222563	18.48	ug/l	98
22) Diisopropyl ether	4.84	45	1068582	21.19	ug/l	100
23) Vinyl Acetate	4.79	43	3085552	109.46	ug/l	100
24) 1,1-Dichloroethane	4.74	63	444033	20.38	ug/l	99
25) 2-Butanone	5.61	43	540416	95.21	ug/l	99
26) 2,2-Dichloropropane	5.57	77	377097	20.71	ug/l	95
27) cis-1,2-Dichloroethene	5.58	96	268839	20.39	ug/l	99
28) Bromochloromethane	5.91	49	235895	22.59	ug/l	99
29) Tetrahydrofuran	5.94	42	283859	105.05	ug/l	99
30) Chloroform	6.09	83	459286	20.74	ug/l	98
31) Cyclohexane	6.36	56	358807	17.92	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	375427	19.98	ug/l	99
36) 1,1-Dichloropropene	6.51	75	318466	19.74	ug/l	96
37) Ethyl Acetate	5.69	43	246643	19.64	ug/l	99
38) Carbon Tetrachloride	6.49	117	307321	18.87	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	321093	18.42	ug/l	99
40) Benzene	6.78	78	832674	19.85	ug/l	99
41) Methacrylonitrile	5.91	41	141928m	22.44	ug/l	
42) 1,2-Dichloroethane	6.88	62	274575	20.39	ug/l	99
43) Isopropyl Acetate	8.35	43	335886	20.56	ug/l	99
44) Trichloroethene	7.73	130	239738	19.41	ug/l	95
45) 1,2-Dichloropropane	8.09	63	234248	19.97	ug/l	99
46) Dibromomethane	8.21	93	151527	20.09	ug/l	97
47) Bromodichloromethane	8.48	83	347069	20.33	ug/l	99
48) Methyl methacrylate	8.24	41	197166	20.71	ug/l	99
49) 1,4-Dioxane	8.23	88	35457	417.06	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	1130666	92.84	ug/l	97
52) Toluene	9.54	92	532939	19.81	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	322330	20.41	ug/l	97
54) cis-1,3-Dichloropropene	9.09	75	369204	20.17	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	201086	20.45	ug/l	97
56) Ethyl methacrylate	10.03	69	231397	20.39	ug/l	96
57) 1,3-Dichloropropane	10.37	76	301667	21.19	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	643644	118.21	ug/l	100
59) 2-Hexanone	10.48	43	847621	94.36	ug/l	98
60) Dibromochloromethane	10.64	129	252289	20.41	ug/l	97
61) 1,2-Dibromoethane	10.76	107	198778	19.99	ug/l	98
64) Tetrachloroethene	10.24	164	222531	18.94	ug/l	97
65) Chlorobenzene	11.31	112	604055	20.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	224939	20.39	ug/l	99
67) Ethyl Benzene	11.43	91	1054152	20.75	ug/l	99
68) m/p-Xylenes	11.56	106	772339	41.76	ug/l	98
69) o-Xylene	11.93	106	368099	20.35	ug/l	90
70) Styrene	11.96	104	644346	20.57	ug/l	99
71) Bromoform	12.11	173	181164	18.98	ug/l	98
73) Isopropylbenzene	12.27	105	1036947	20.55	ug/l	99
74) N-amyl acetate	12.13	43	454171	20.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	244391	20.94	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	249471	20.31	ug/l	97
77) Bromobenzene	12.54	156	287704	20.57	ug/l	93
78) n-propylbenzene	12.64	91	1307217	20.46	ug/l	100
79) 2-Chlorotoluene	12.70	91	749082	20.73	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	838770	20.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	70935	18.56	ug/l	94
82) 4-Chlorotoluene	12.80	91	863277	20.95	ug/l	89
83) tert-Butylbenzene	13.04	119	940119	20.57	ug/l	91
84) 1,2,4-Trimethylbenzene	13.09	105	864126	20.67	ug/l	99
85) sec-Butylbenzene	13.22	105	1097247	20.42	ug/l	99
86) p-Isopropyltoluene	13.33	119	870679	19.92	ug/l	94
87) 1,3-Dichlorobenzene	13.31	146	521679	20.89	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	512823	20.58	ug/l	97
89) n-Butylbenzene	13.64	91	976457	20.71	ug/l	94
90) Hexachloroethane	13.86	117	222703	18.98	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	466567	21.97	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	35903	20.01	ug/l	61

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ClientSampleId :
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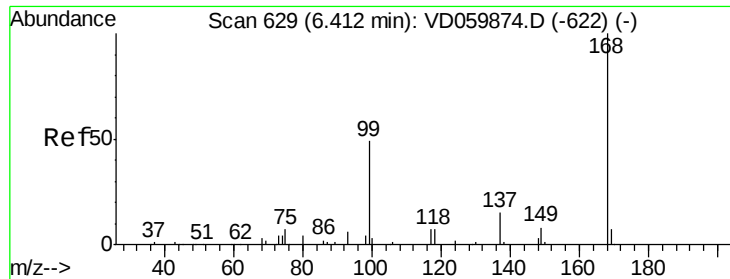
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QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	359425	19.77	ug/l	97
94) Hexachlorobutadiene	14.88	225	238426	20.00	ug/l	98
95) Naphthalene	14.97	128	550538	19.81	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	310139	19.94	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 627

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleID :

VD0824SBSD01

Tot Ion:168 Resp: 1248011

Ion Ratio Lower Upper

168 100

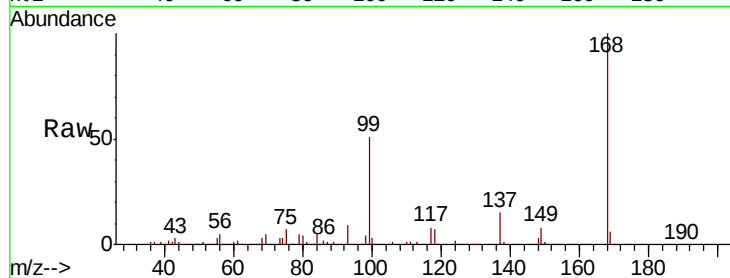
99 50.8 42.2 63.2

Manual Integrations

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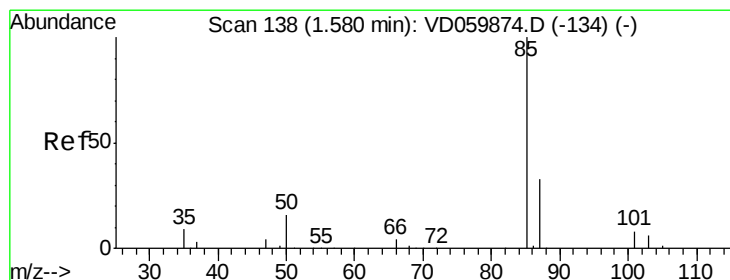
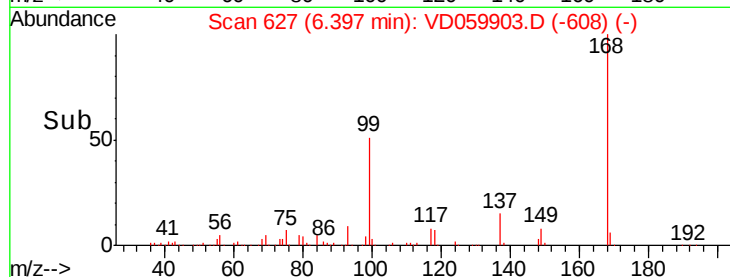
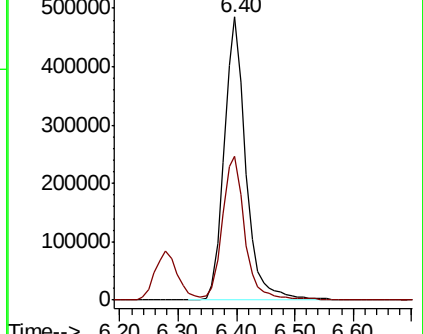
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.08 ug/l

RT: 1.58 min Scan# 138

Delta R.T. 0.00 min

Lab File: VD059903.D

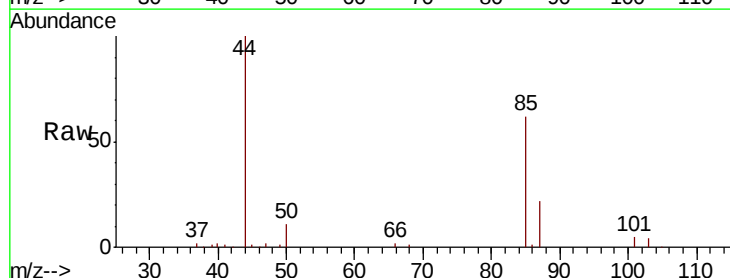
Acq: 24 Aug 2018 13:29

Tgt Ion: 85 Resp: 201686

Ion Ratio Lower Upper

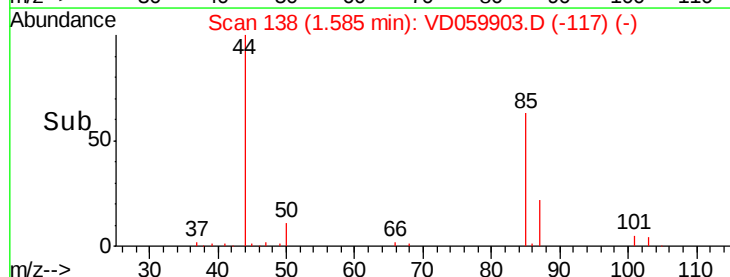
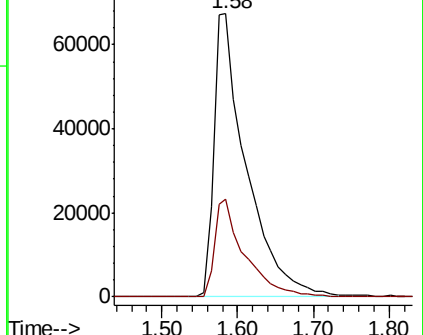
85 100

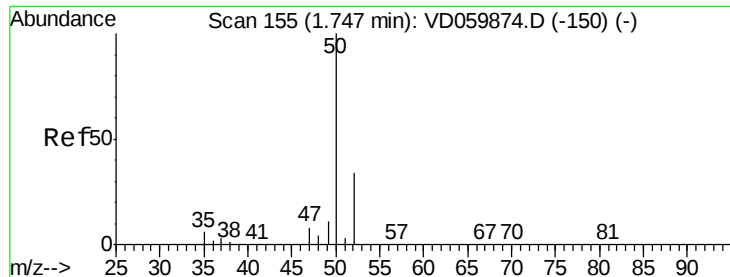
87 34.6 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.45 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBSD01

Tot Ion: 50 Resp: 196605

Ion Ratio Lower Upper

50 100

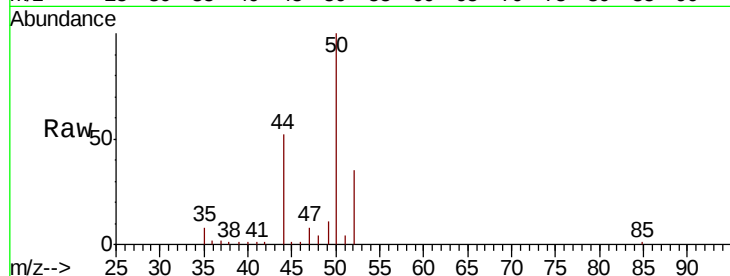
52 35.2 27.0 40.6

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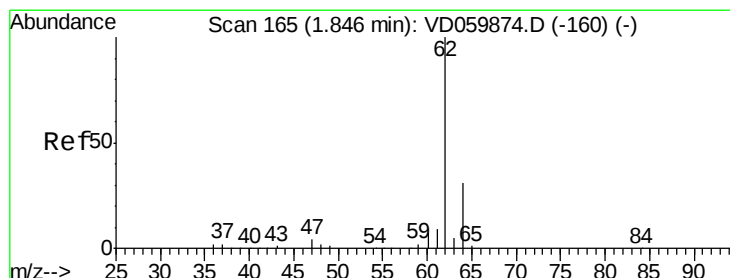
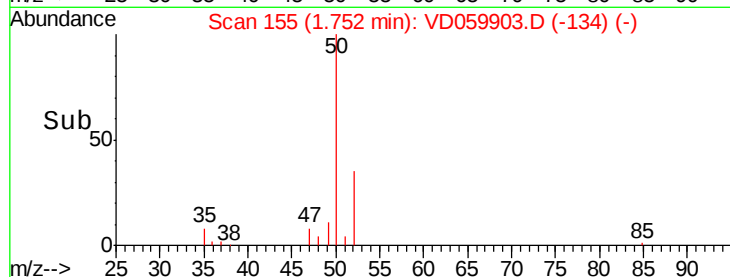
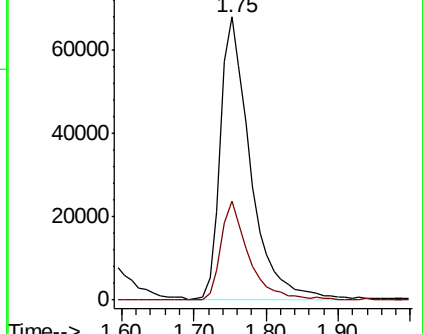
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.85 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059903.D

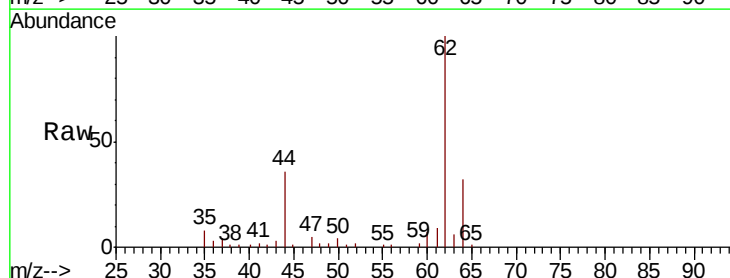
Acq: 24 Aug 2018 13:29

Tgt Ion: 62 Resp: 157270

Ion Ratio Lower Upper

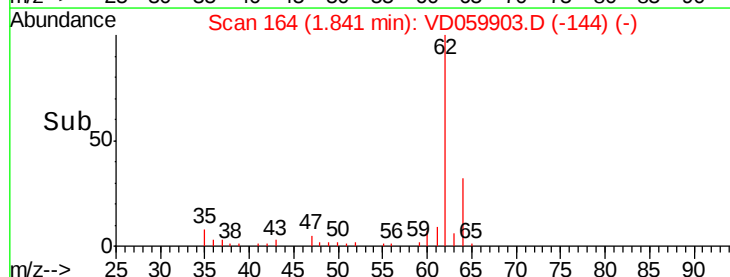
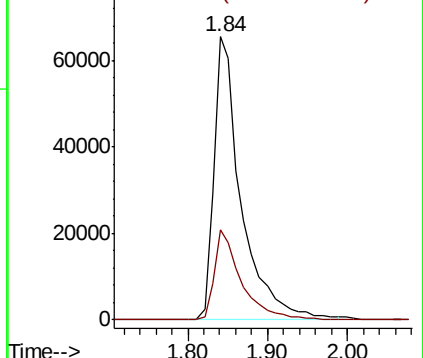
62 100

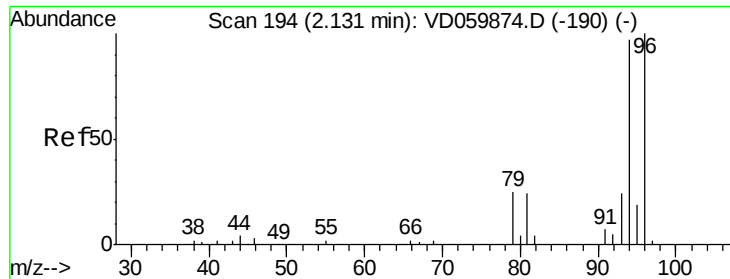
64 31.8 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





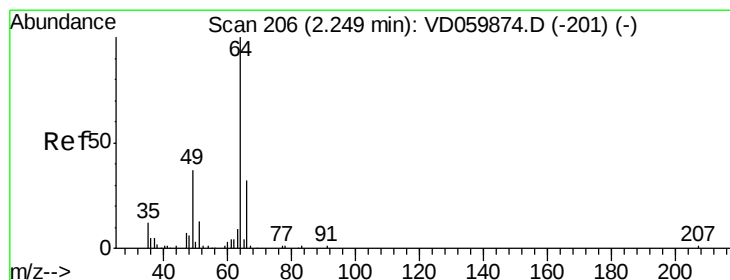
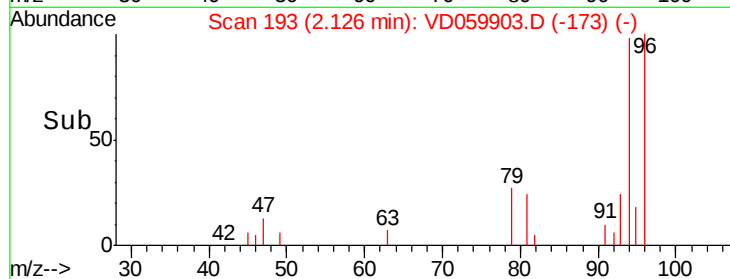
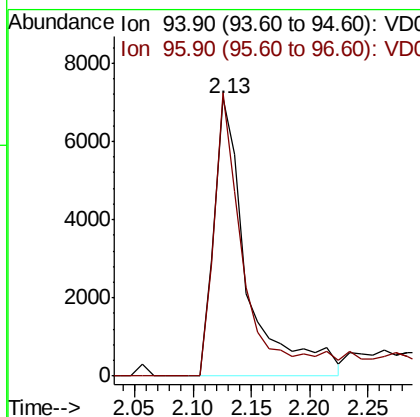
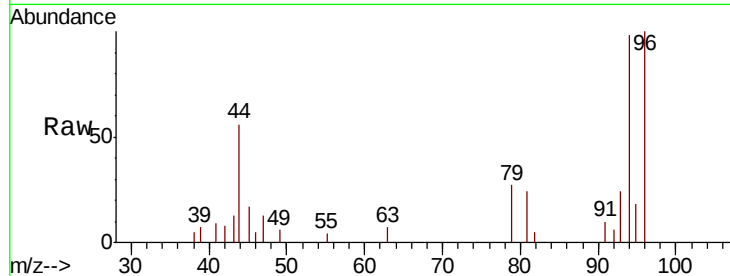
#5
 Bromomethane
 Concen: 10.34 ug/l
 RT: 2.13 min Scan# 193
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

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Tot Ion	Ratio	Lower	Upper
94	100		
96	101.8	82.4	123.6

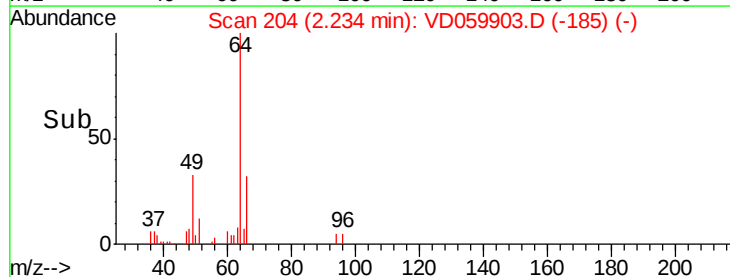
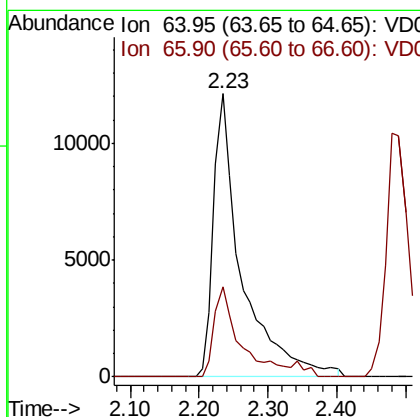
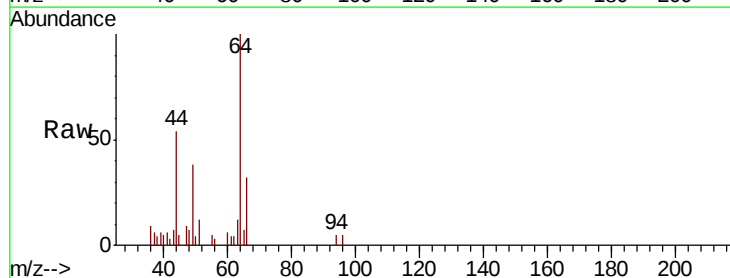
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#6
 Chloroethane
 Concen: 11.94 ug/l
 RT: 2.23 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.3	37.9





#7

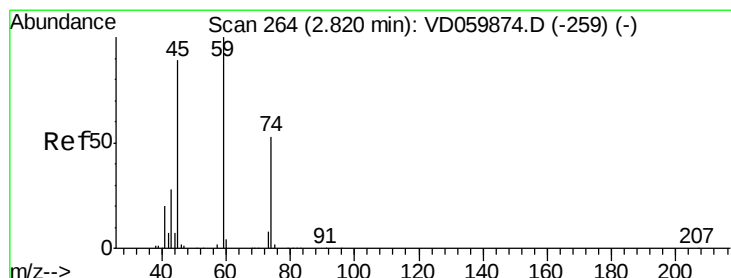
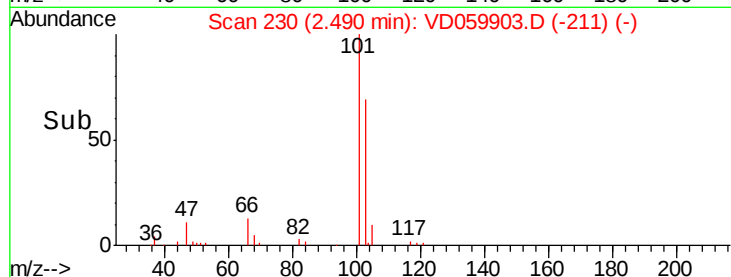
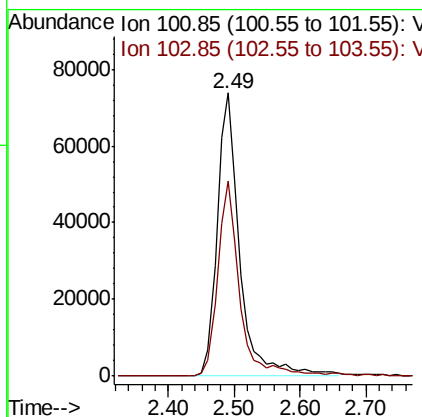
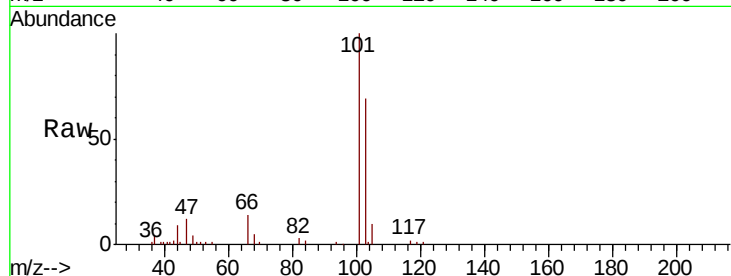
Trichlorofluoromethane
 Concen: 19.07 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	174824		
103	69.0	53.7	80.5	

Manual Integrations
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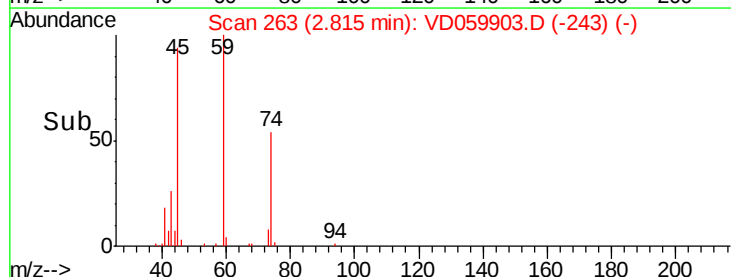
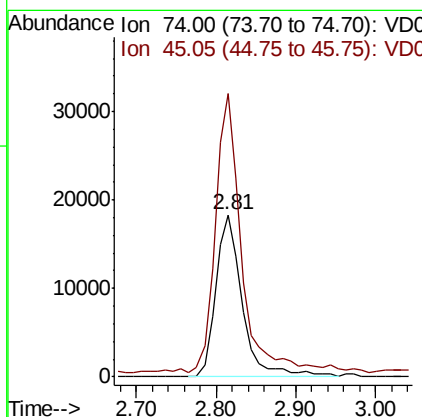
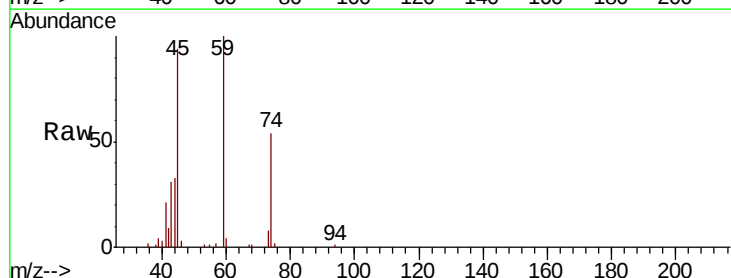
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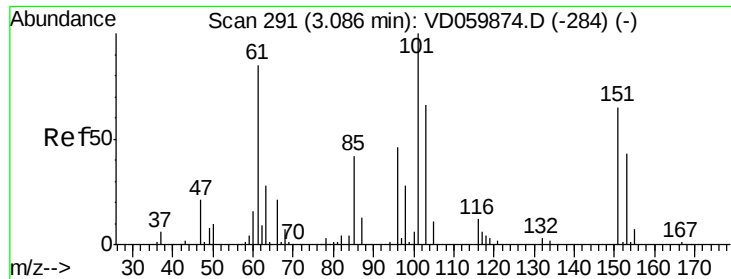


#8

Diethyl Ether
 Concen: 20.96 ug/l
 RT: 2.81 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43108		
45	174.4	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.45 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

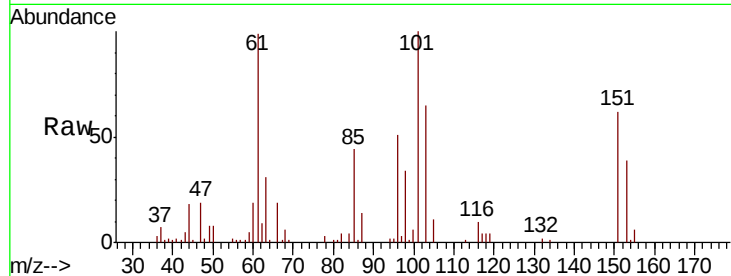
ClientSampleId :

VD0824SBSD01

Tot Ion:	101	Resp:	126041
Ion Ratio	Lower	Upper	
101	100		
85	44.1	33.6	50.4
151	62.2	52.0	78.0

Manual Integrations
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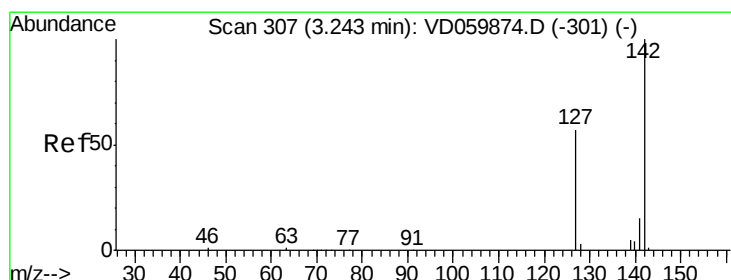
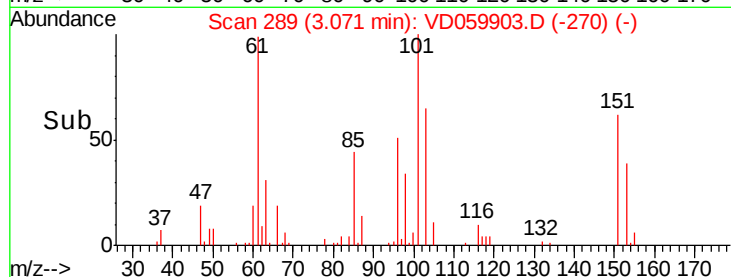
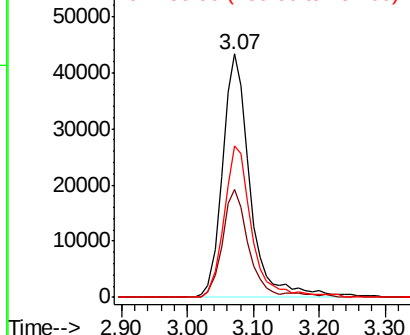


Abundance

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: 20.12 ug/l

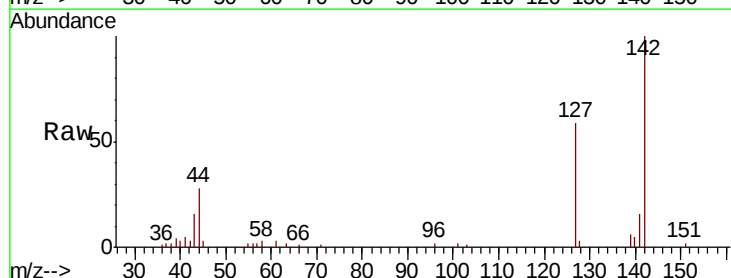
RT: 3.23 min Scan# 305

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Tgt Ion:	142	Resp:	107037
Ion Ratio	Lower	Upper	
142	100		
127	58.6	45.8	68.6
141	16.5	11.6	17.4

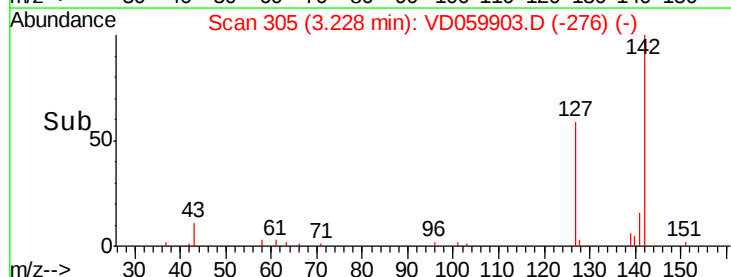
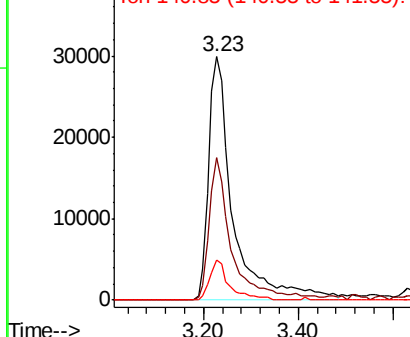


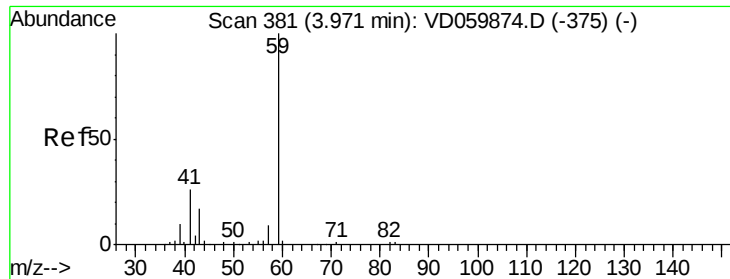
Abundance

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





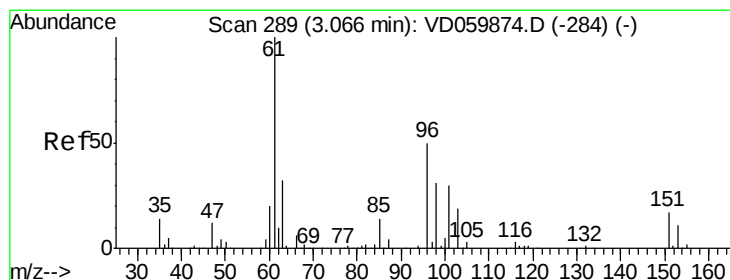
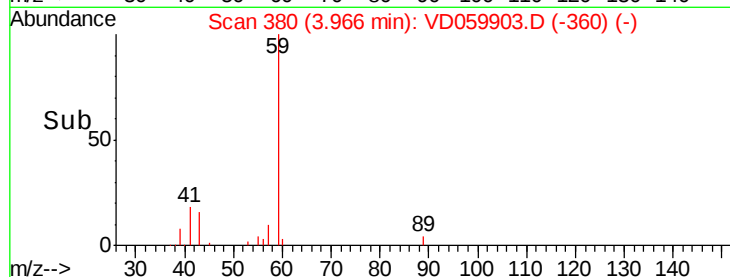
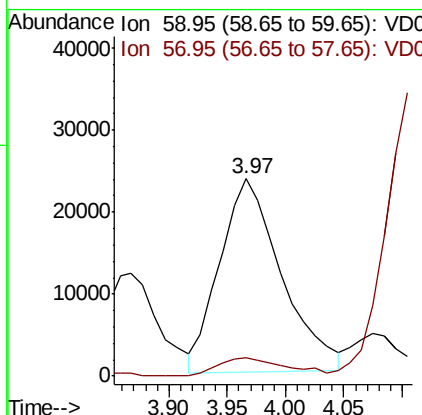
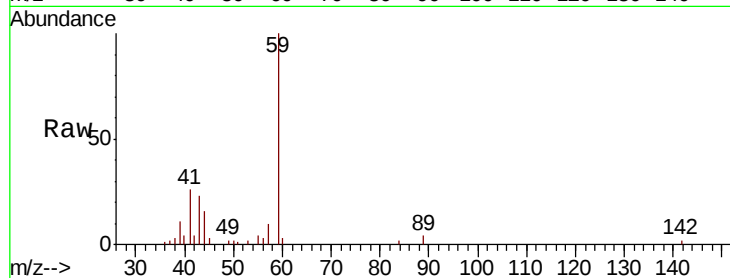
#11
Tert butyl alcohol
Concen: 108.01 ug/l
RT: 3.97 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion: 59 Resp: 86687
Ion Ratio Lower Upper
59 100
57 9.5 7.4 11.0

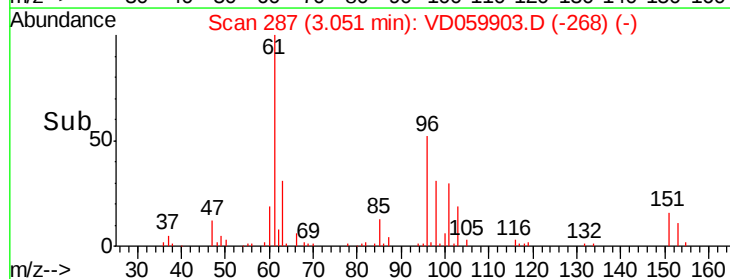
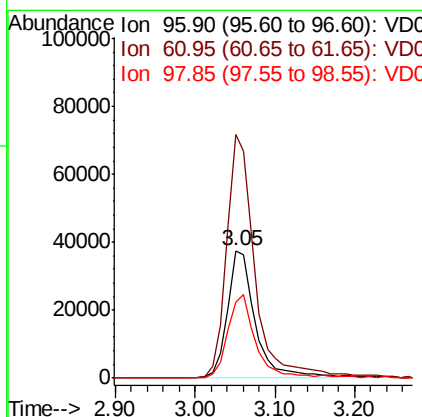
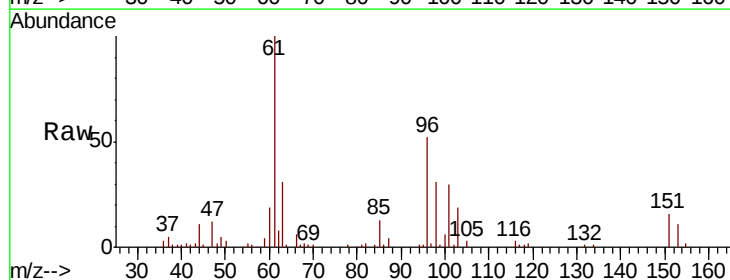
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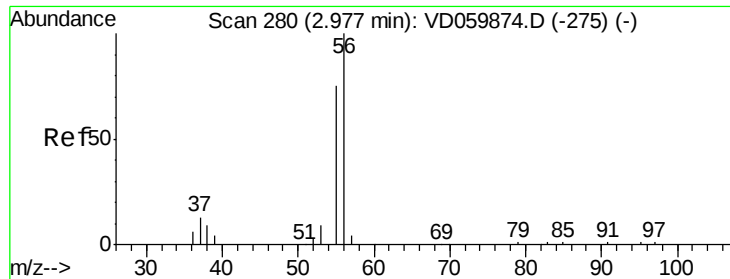
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#12
1,1-Dichloroethene
Concen: 21.11 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 96 Resp: 92247
Ion Ratio Lower Upper
96 100
61 190.8 158.8 238.2
98 59.9 48.7 73.1





#13

Acrolein

Concen: 86.14 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBSD01

Tot Ion: 56 Resp: 29986

Ion Ratio Lower Upper

56 100

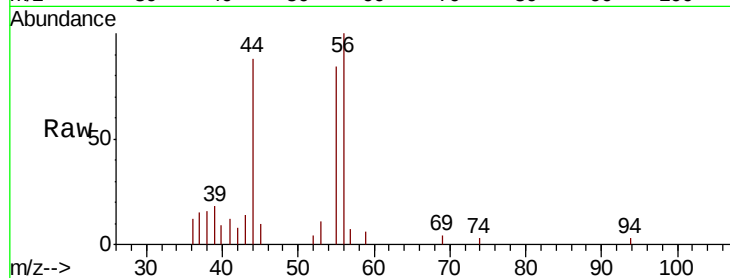
55 83.6 61.9 92.9

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.97

10000

8000

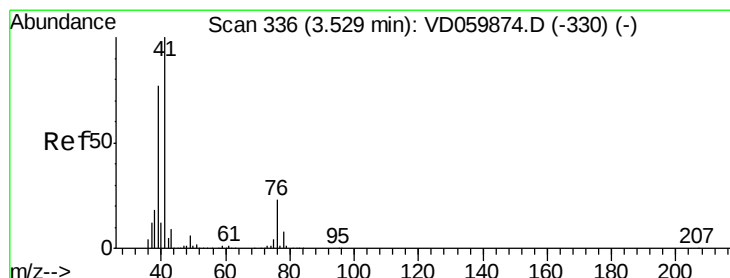
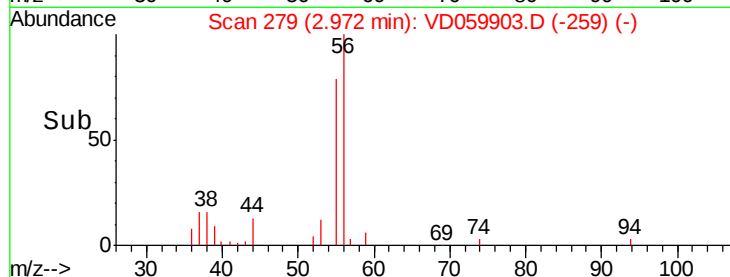
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.50 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

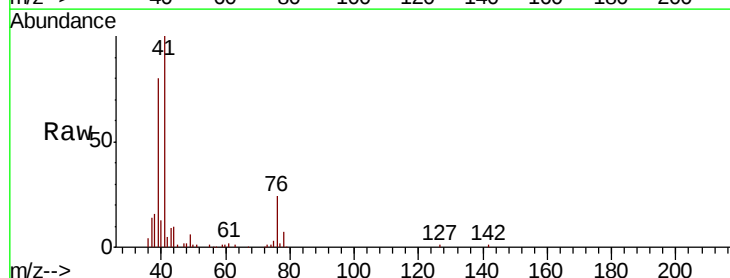
Tgt Ion: 41 Resp: 202708

Ion Ratio Lower Upper

41 100

39 80.1 61.8 92.6

76 23.9 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

3.51

100000

80000

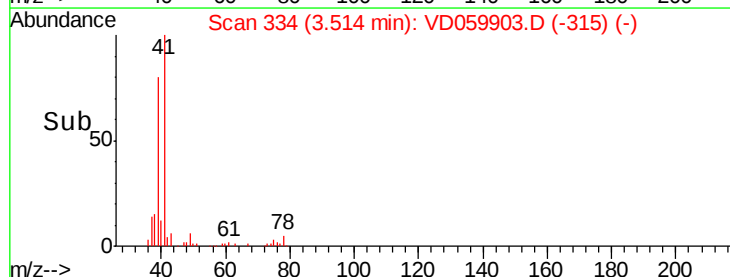
60000

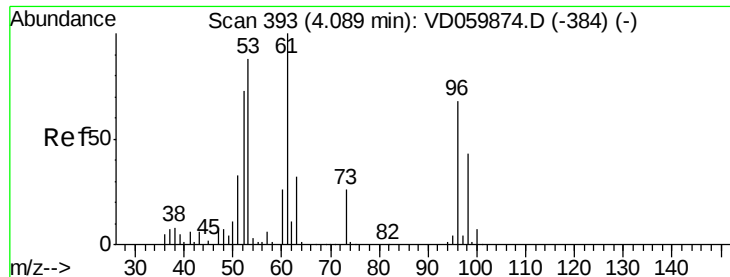
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 104.03 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

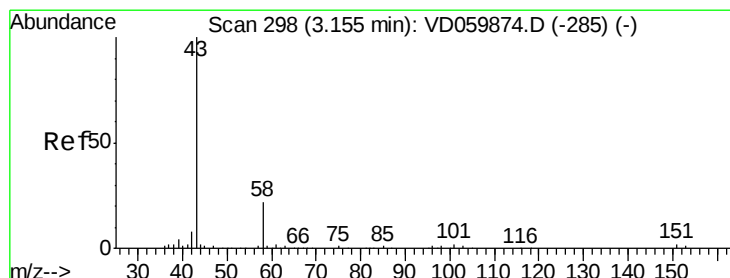
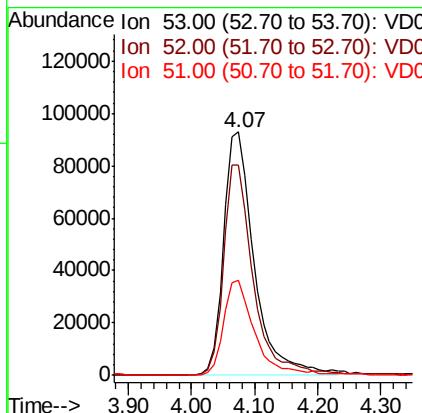
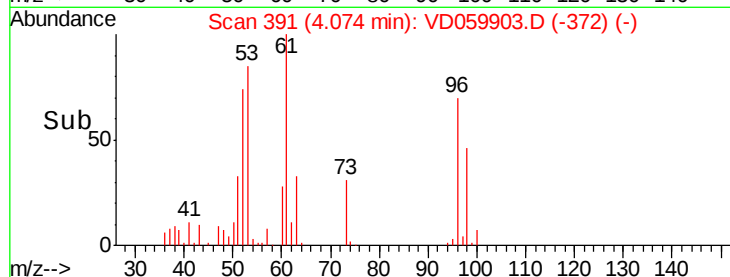
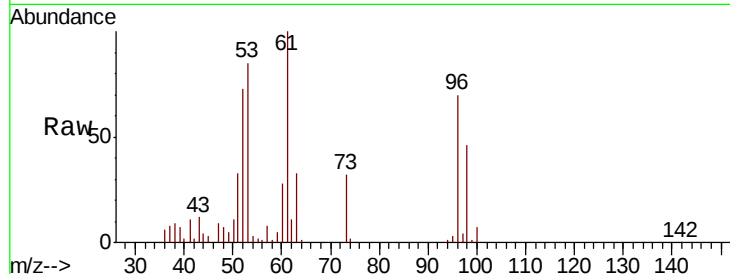
ClientSampleId :

VD0824SBS01

Tot Ion:	53	Resp:	312658
Ion Ratio	Lower	Upper	
53	100		
52	86.5	66.9	100.3
51	39.0	30.3	45.5

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#16

Acetone

Concen: 100.12 ug/l

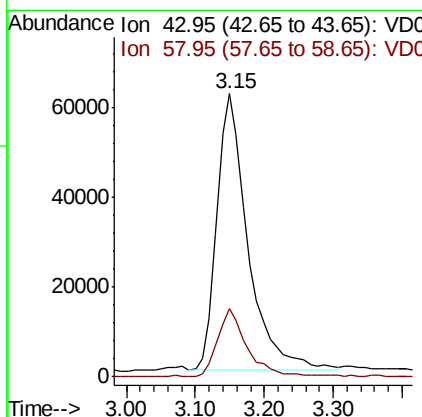
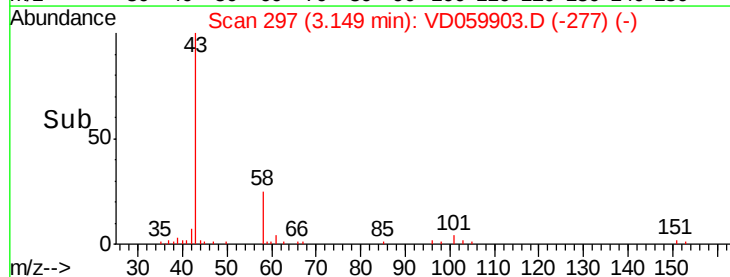
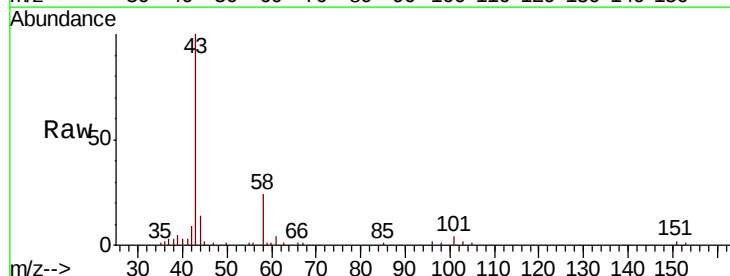
RT: 3.15 min Scan# 297

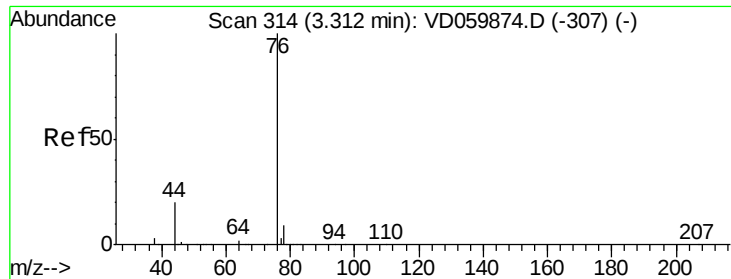
Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Tgt Ion:	43	Resp:	191872
Ion Ratio	Lower	Upper	
43	100		
58	24.3	17.6	26.4





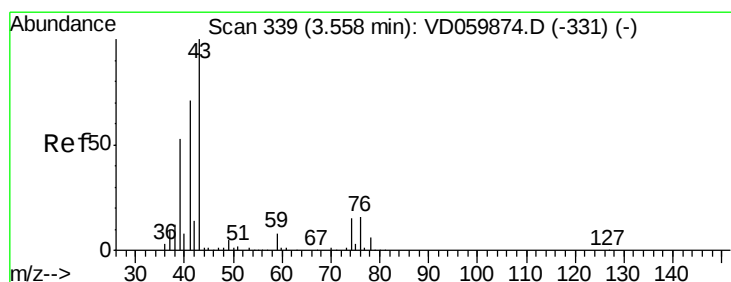
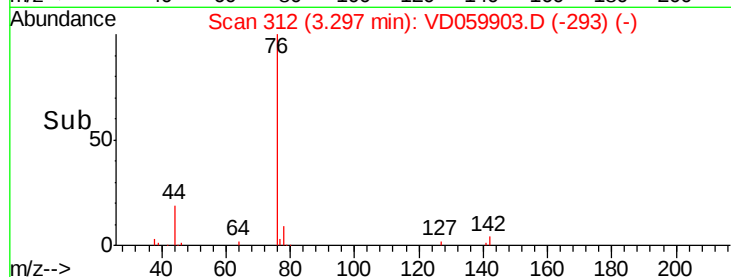
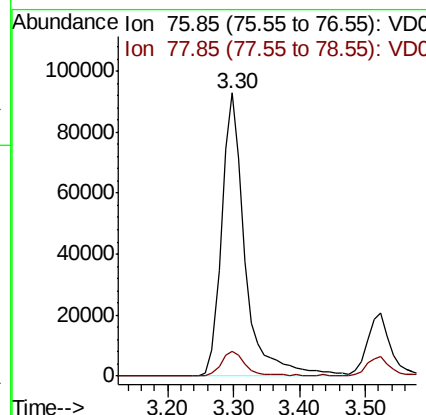
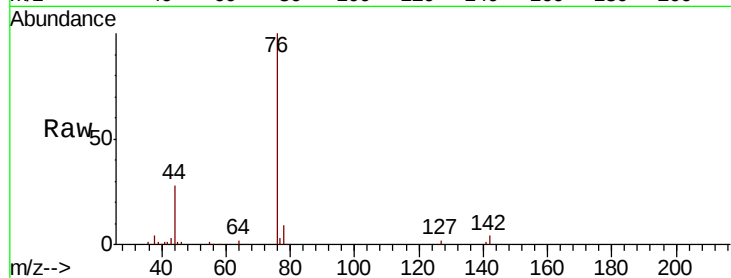
#17
Carbon Disulfide
Concen: 16.85 ug/l
RT: 3.30 min Scan# 312
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

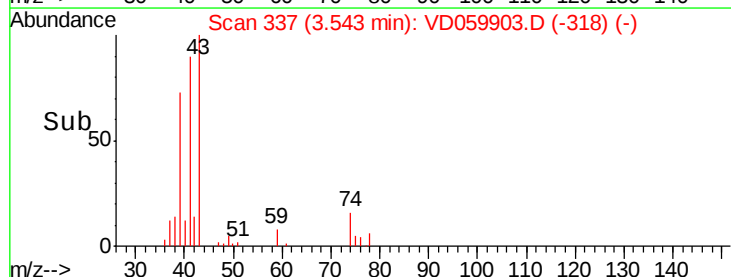
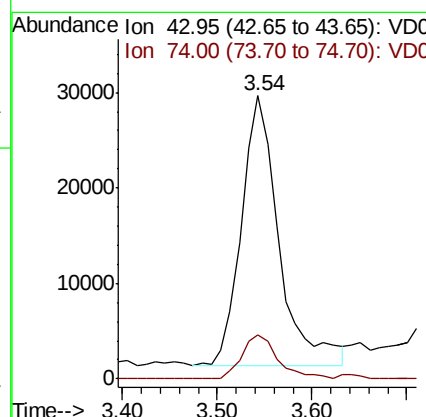
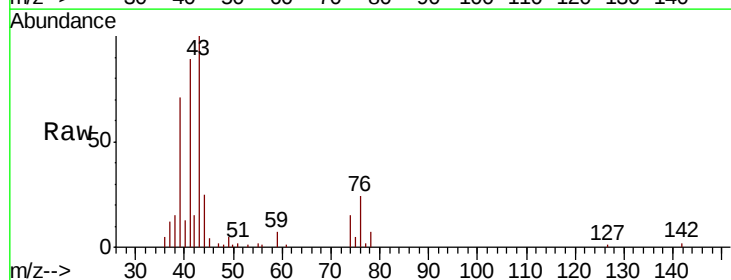
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#18
Methyl Acetate
Concen: 19.31 ug/l
RT: 3.54 min Scan# 337
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.4	11.2	16.8





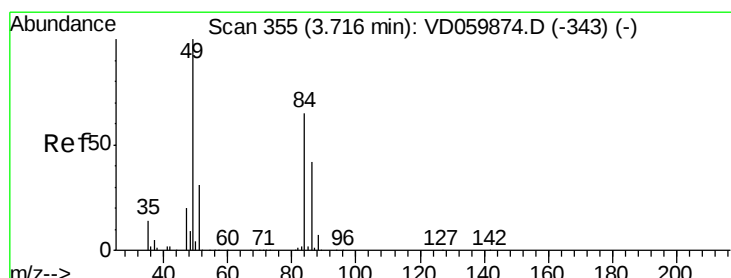
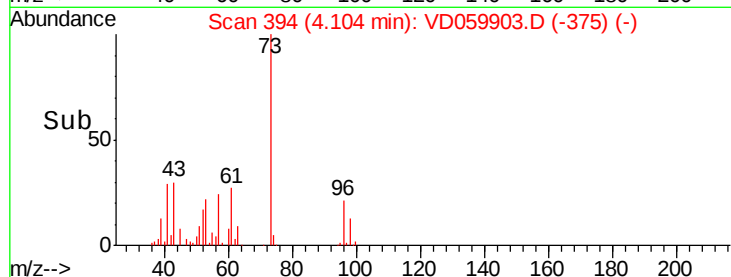
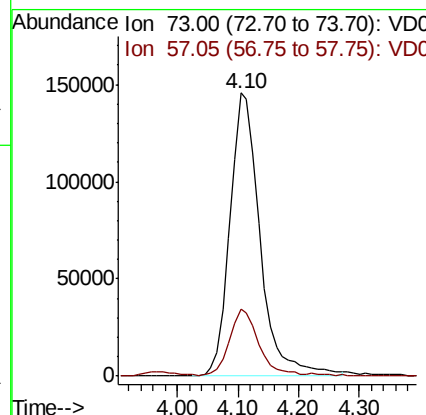
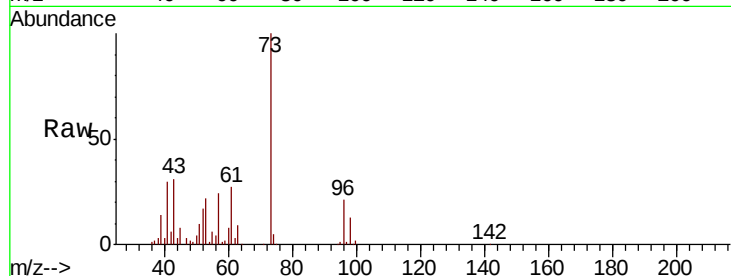
#19
Methvl tert-butvl Ether
Concen: 20.46 ug/l
RT: 4.10 min Scan# 394
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

Tot Ion: 73 Resp: 505863
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9

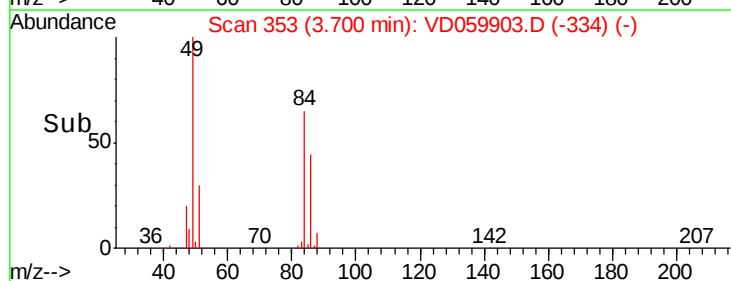
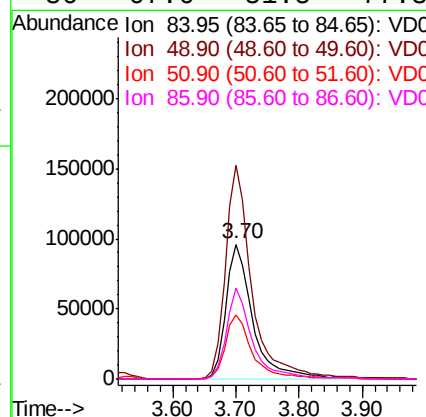
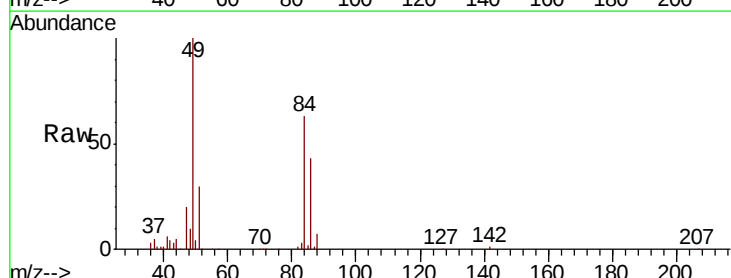
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#20
Methylene Chloride
Concen: 20.01 ug/l
RT: 3.70 min Scan# 353
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 84 Resp: 284552
Ion Ratio Lower Upper
84 100
49 158.9 122.6 183.8
51 48.0 38.4 57.6
86 67.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.48 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

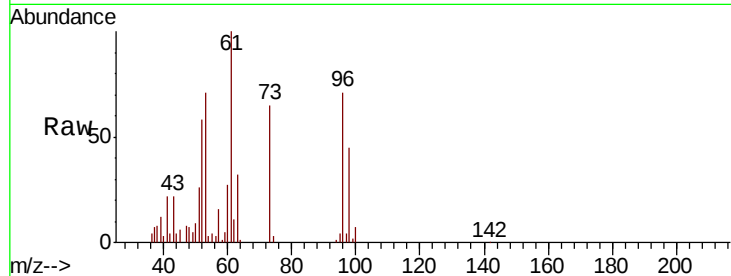
ClientSampleId :

VD0824SBSD01

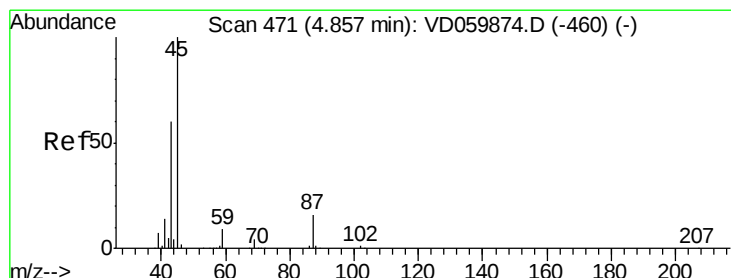
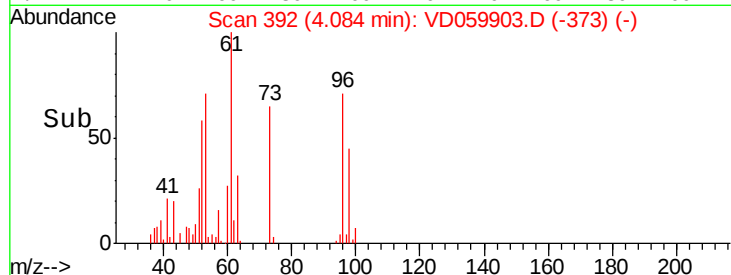
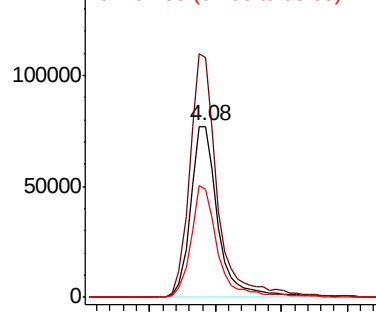
Tot Ion:	96	Resp:	222563
Ion	Ratio	Lower	Upper
96	100		
61	140.0	110.2	165.4
98	63.0	50.9	76.3

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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: 21.19 ug/l

RT: 4.84 min Scan# 469

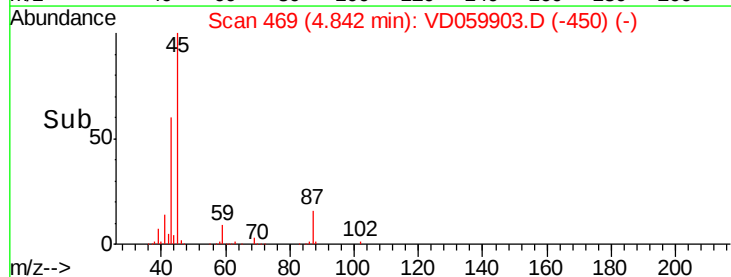
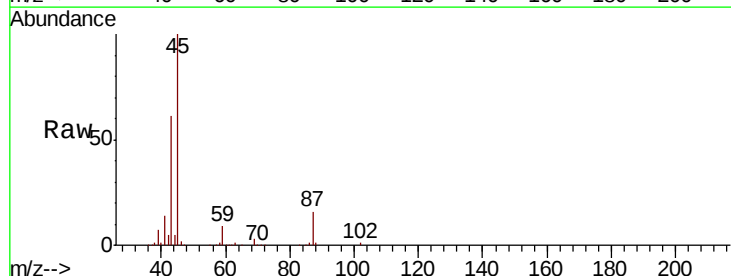
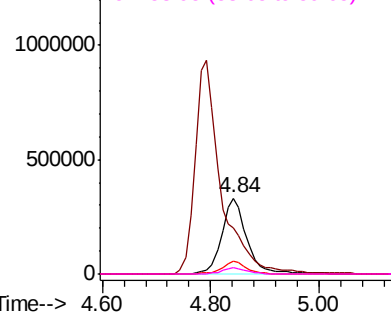
Delta R.T. -0.01 min

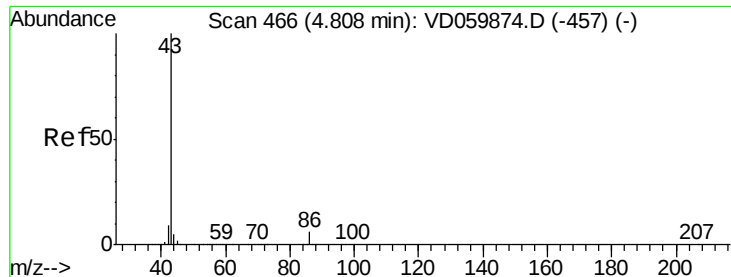
Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Tgt Ion:	45	Resp:	1068582
Ion	Ratio	Lower	Upper
45	100		
43	60.6	48.6	72.8
87	16.4	13.3	19.9
59	8.5	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: 109.46 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 43 Resp: 3085552

Ion Ratio Lower Upper

43 100

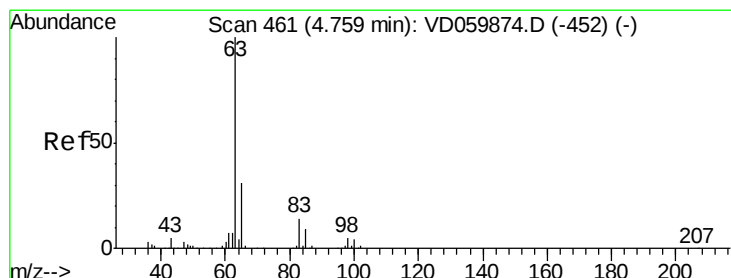
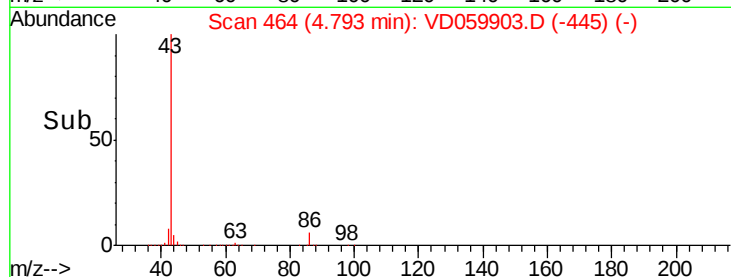
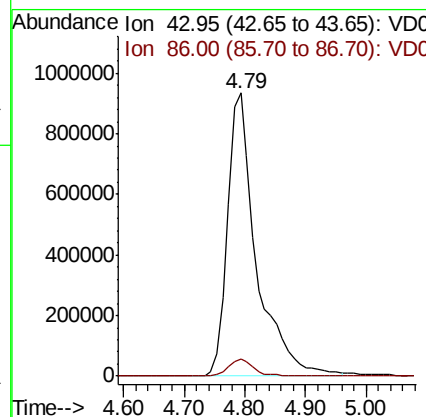
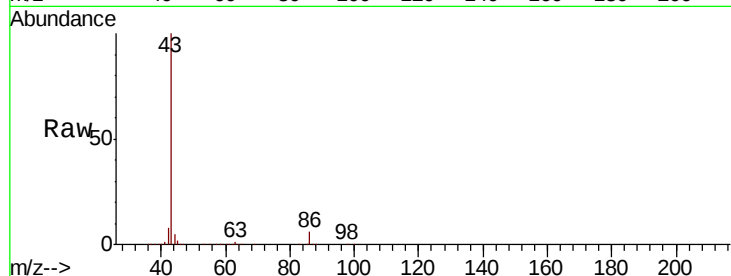
86 6.2 5.0 7.6

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#24

1,1-Dichloroethane

Concen: 20.38 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

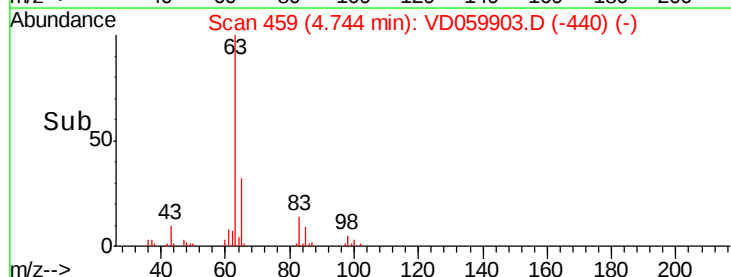
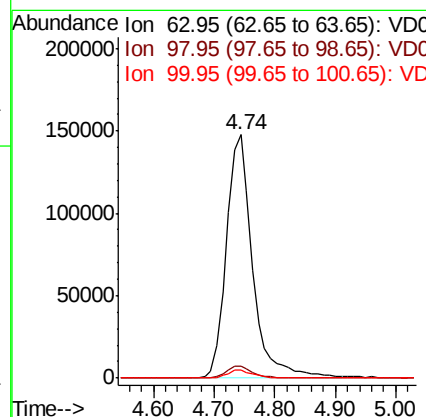
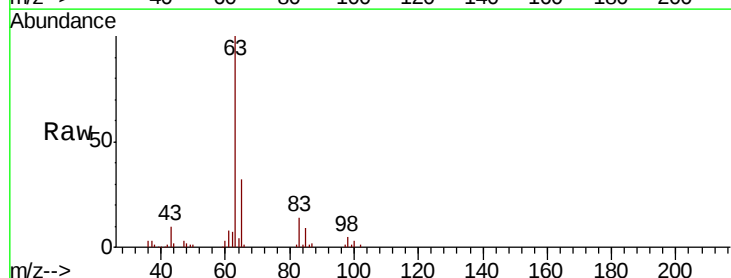
Tgt Ion: 63 Resp: 444033

Ion Ratio Lower Upper

63 100

98 4.9 2.7 8.1

100 3.1 1.8 5.3





#25

2-Butanone

Concen: 95.21 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 43 Resp: 540416

Ion Ratio Lower Upper

43 100

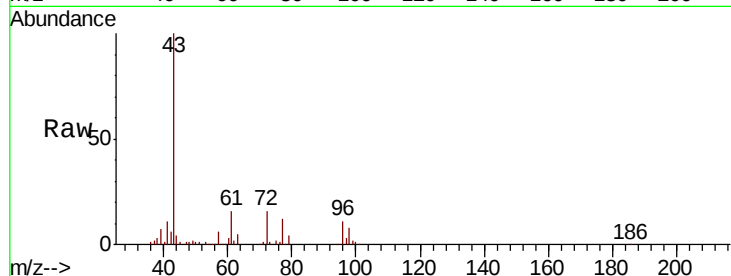
72 15.9 12.3 18.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.61

200000

150000

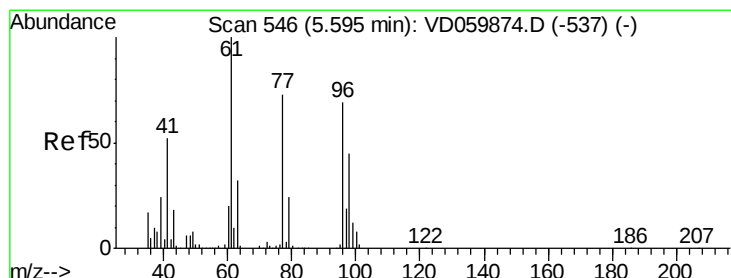
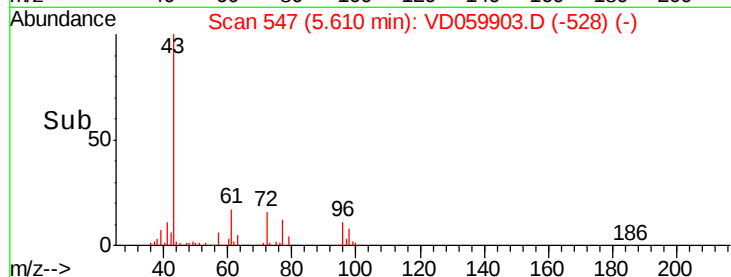
100000

50000

0

5.50 5.55 5.60 5.65 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 20.71 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.02 min

Lab File: VD059903.D

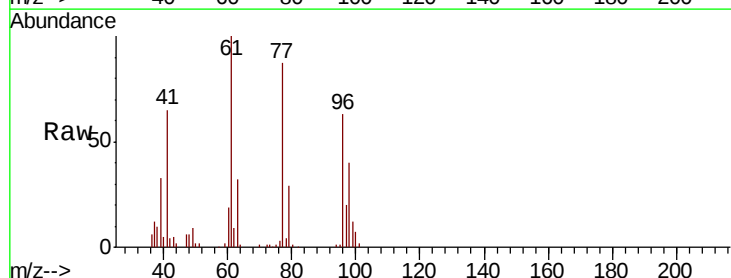
Acq: 24 Aug 2018 13:29

Tgt Ion: 77 Resp: 377097

Ion Ratio Lower Upper

77 100

97 23.3 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.57

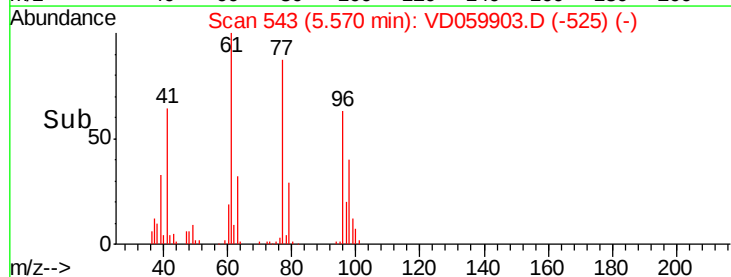
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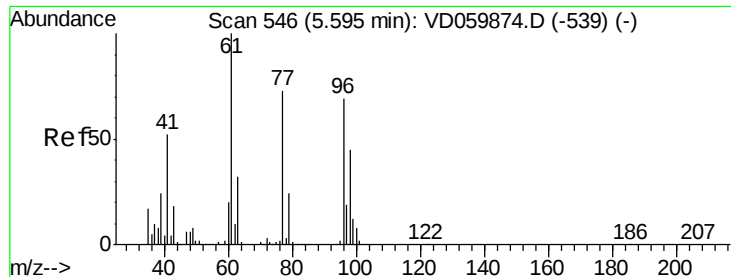
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

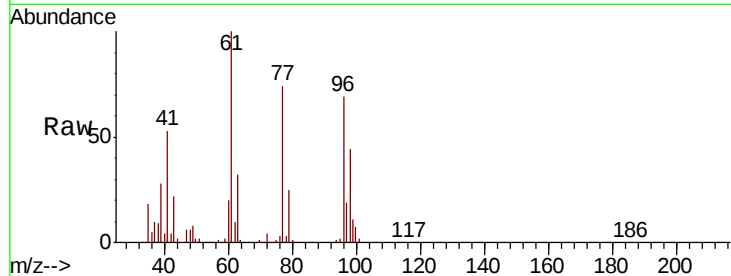
cis-1,2-Dichloroethene
 Concen: 20.39 ug/l
 RT: 5.58 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBSD01

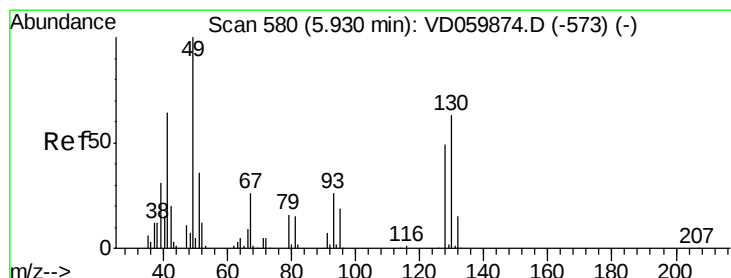
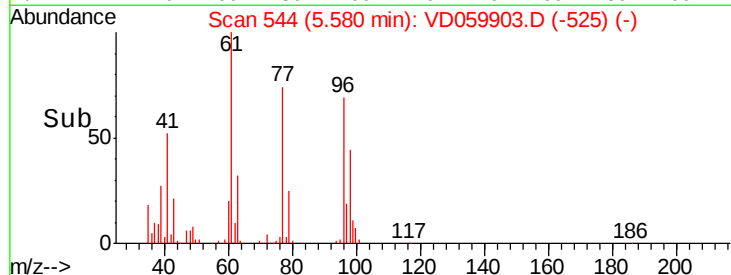
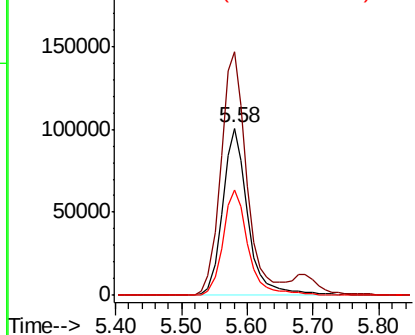
Tot Ion	Ratio	Resp	Lower	Upper
96	100	268839		
61	145.7		0.0	290.2
98	63.4		0.0	130.4

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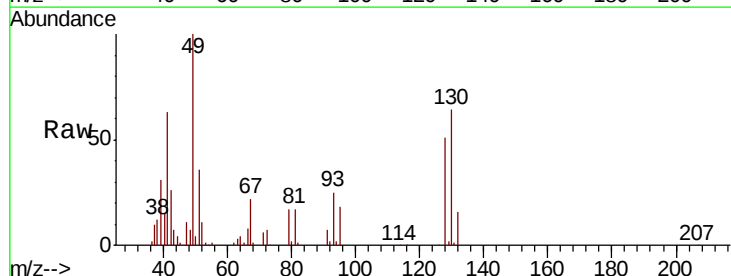
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



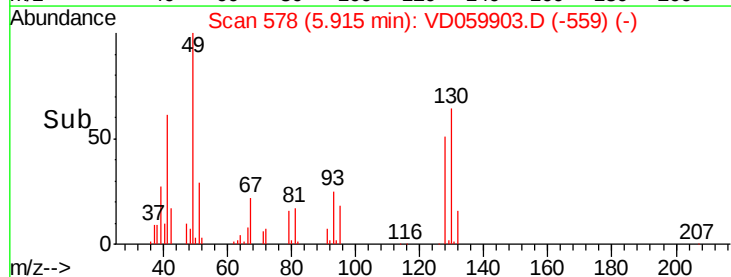
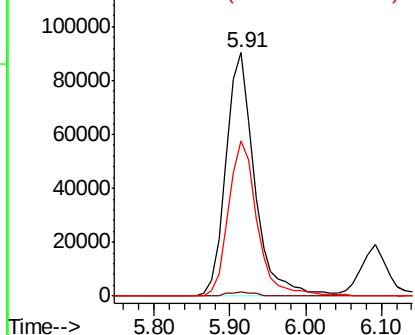
#28

Bromochloromethane
 Concen: 22.59 ug/l
 RT: 5.91 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	235895		
129	1.7		0.0	3.2
130	63.7		50.6	75.8



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





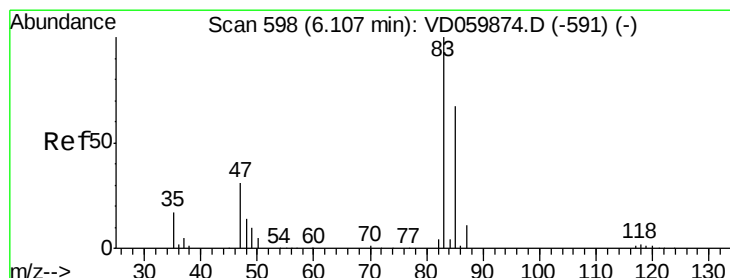
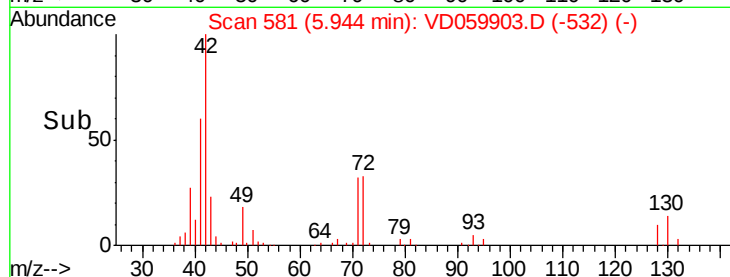
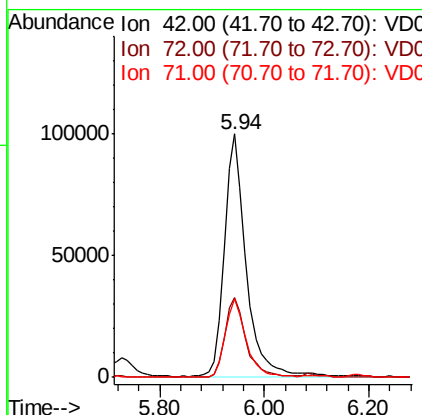
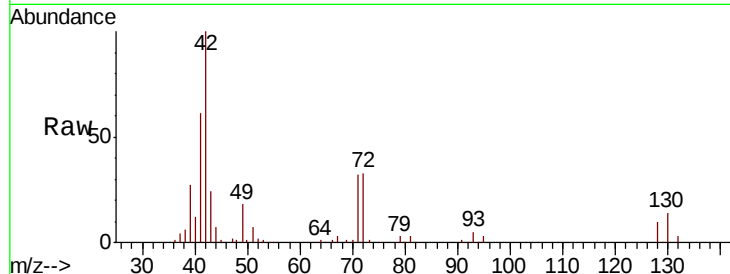
#29
Tetrahydrofuran
Concen: 105.05 ug/l
RT: 5.94 min Scan# 581
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.4	25.7	38.5
71	31.3	25.3	37.9

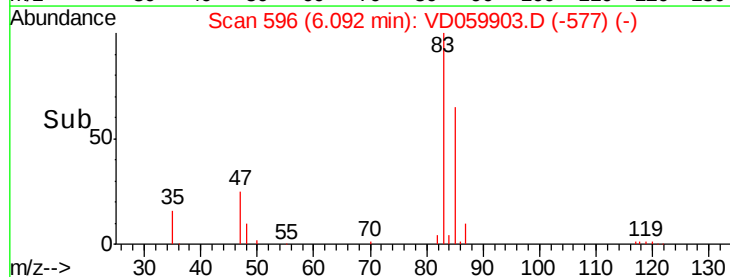
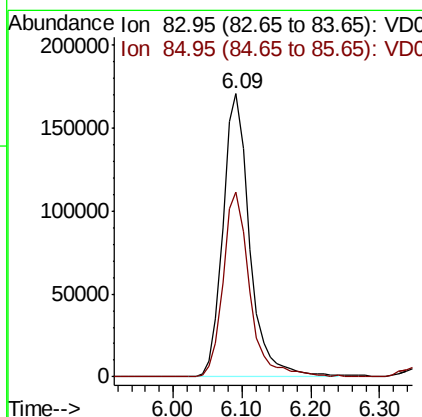
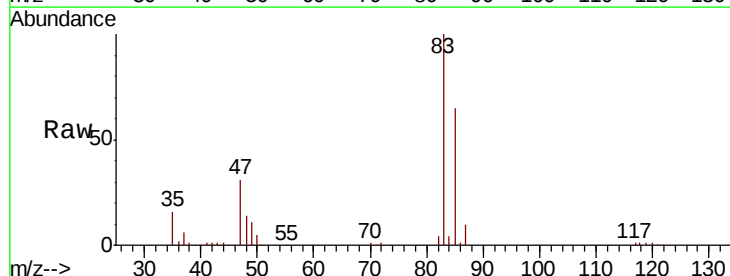
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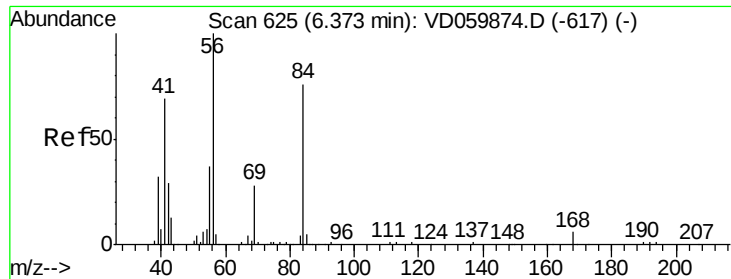
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#30
Chloroform
Concen: 20.74 ug/l
RT: 6.09 min Scan# 596
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.5	80.3





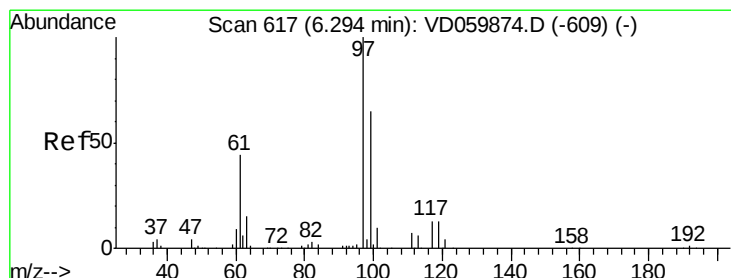
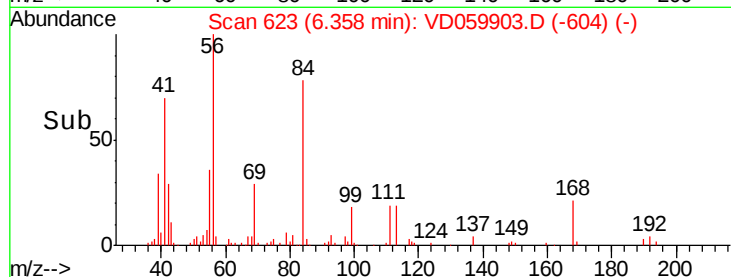
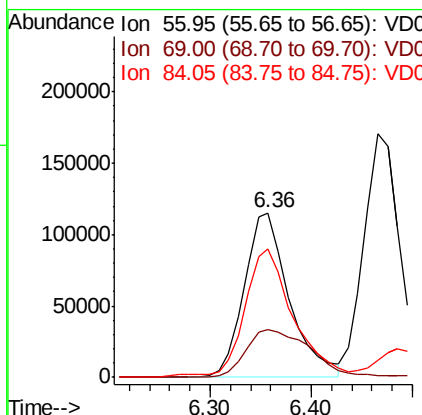
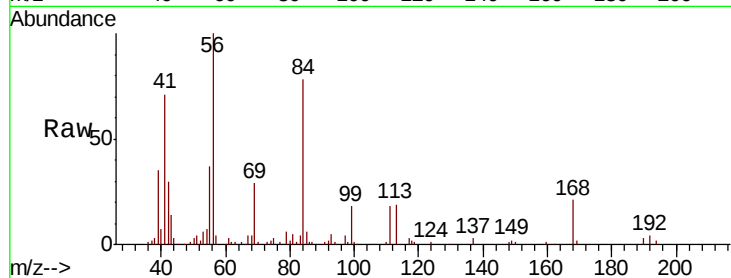
#31
Cyclohexane
Concen: 17.92 ug/l
RT: 6.36 min Scan# 623
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	22.4	33.6
84	78.0	62.1	93.1

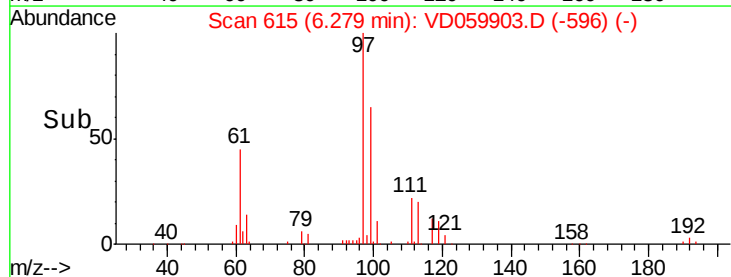
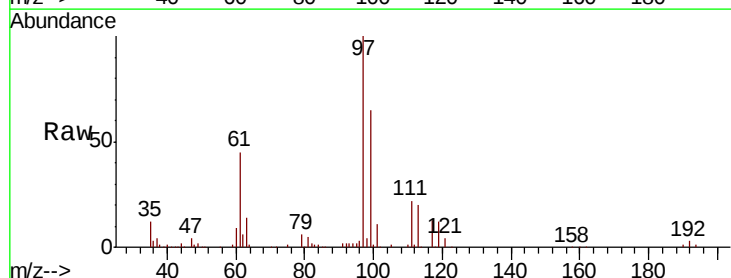
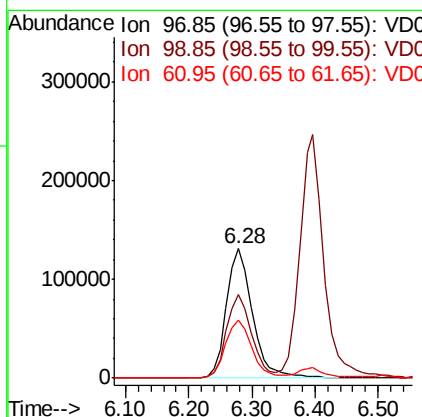
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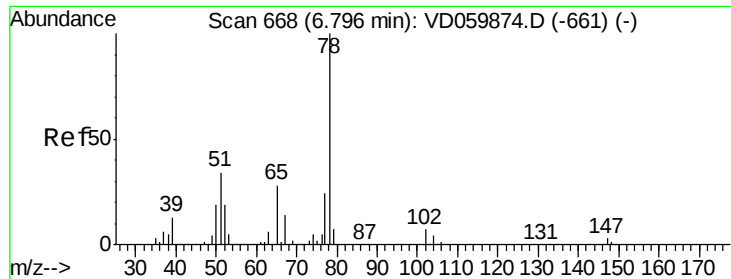
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#32
1,1,1-Trichloroethane
Concen: 19.98 ug/l
RT: 6.28 min Scan# 615
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	45.0	35.4	53.2





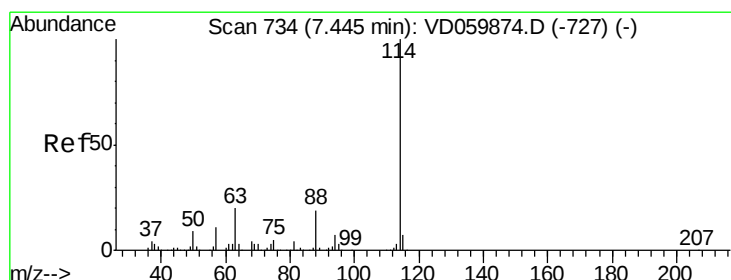
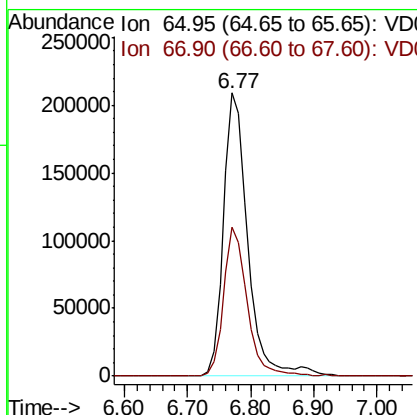
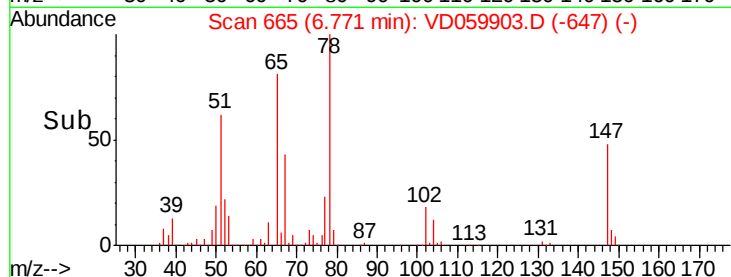
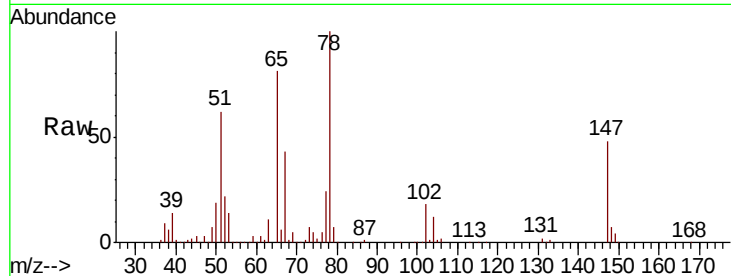
#33
 1,2-Dichloroethane-d4
 Concen: 19.98 ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	103.8	

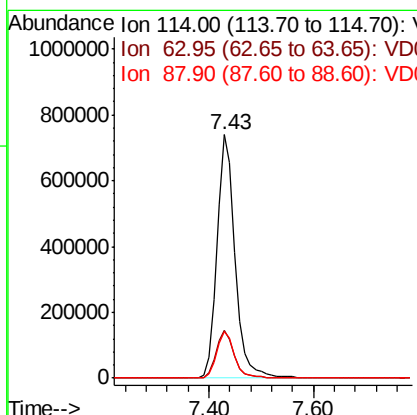
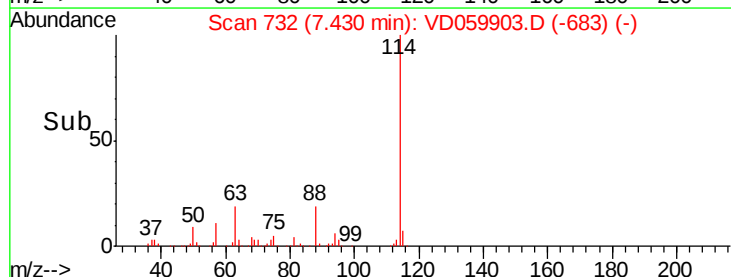
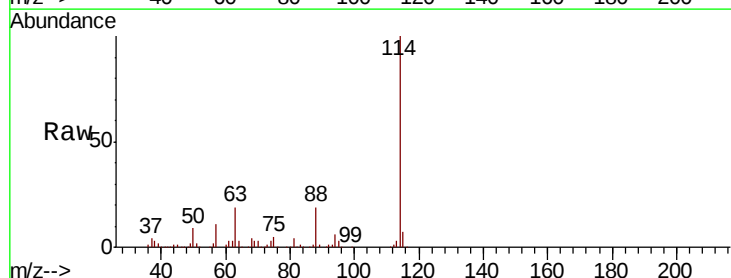
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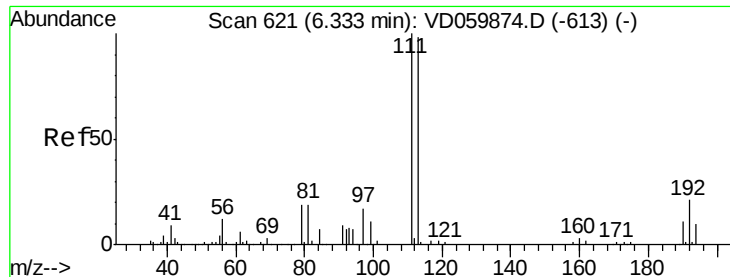
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	39.4	
88	19.2	0.0	37.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.31 min Scan# 618

Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

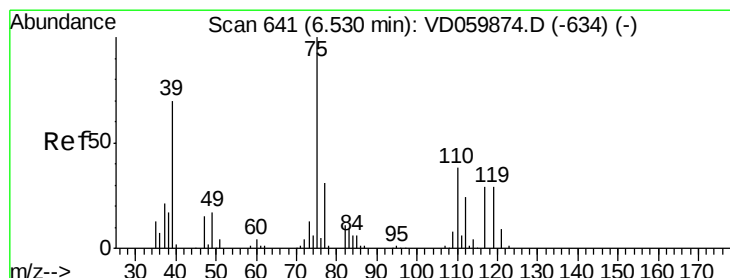
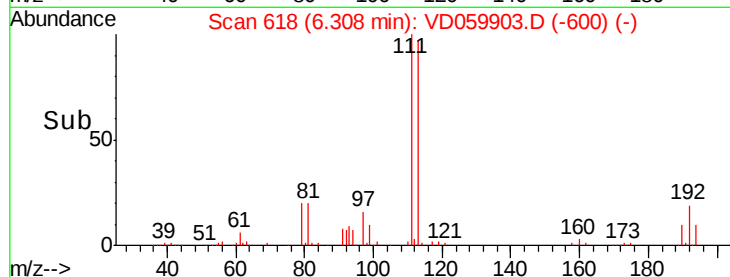
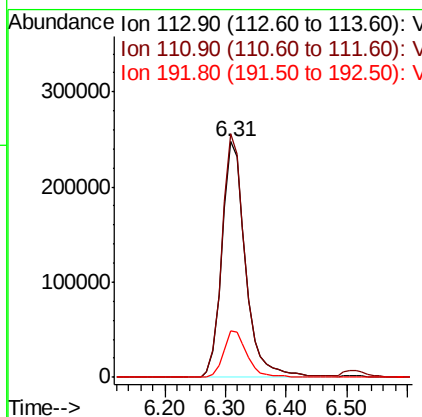
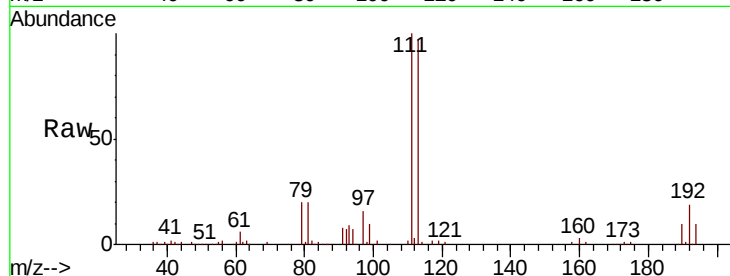
ClientSampleId :

VD0824SBSD01

Tot Ion:	113	Resp:	670294
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.4	122.2
192	19.5	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 19.74 ug/l

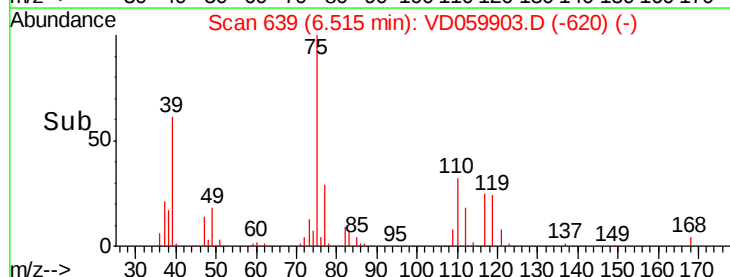
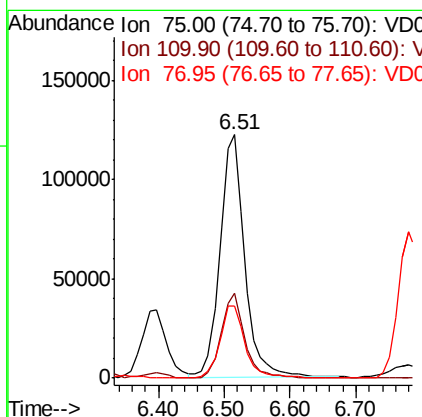
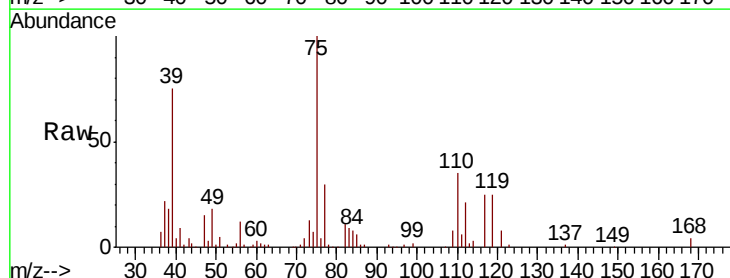
RT: 6.51 min Scan# 639

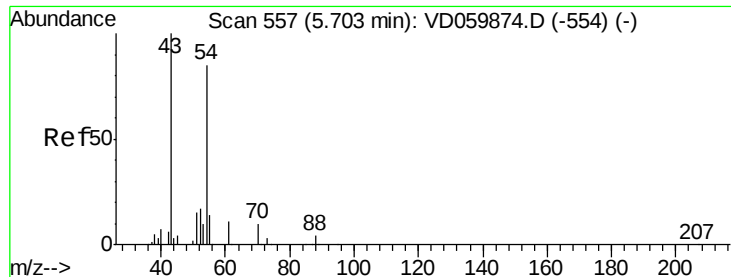
Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Tgt Ion:	75	Resp:	318466
Ion Ratio	Lower	Upper	
75	100		
110	34.9	18.6	56.0
77	29.7	25.1	37.7





#37

Ethyl Acetate

Concen: 19.64 ug/l

RT: 5.69 min Scan# 555

Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

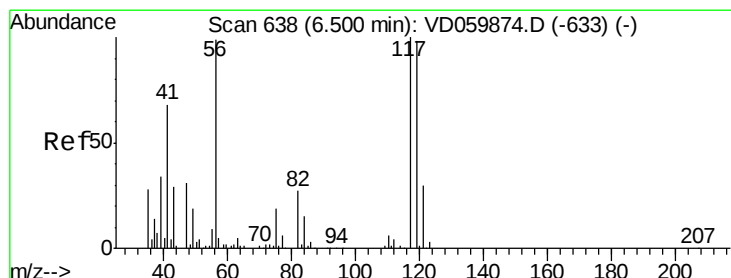
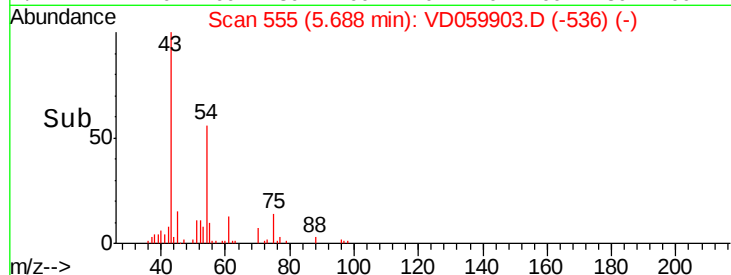
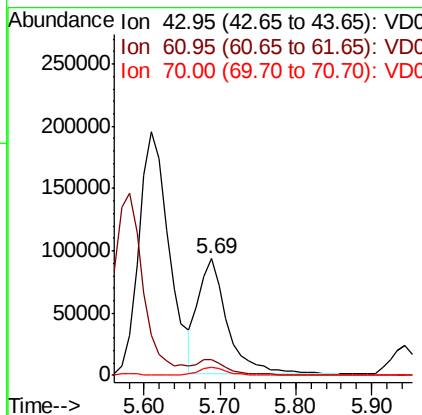
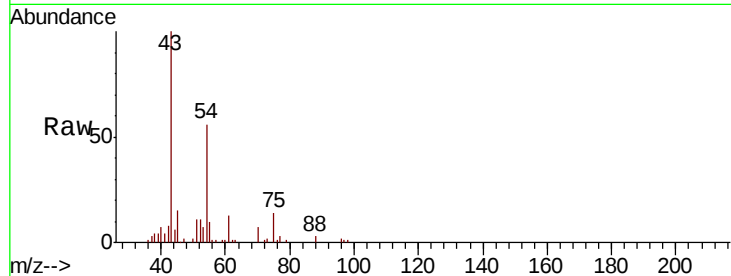
ClientSampleID :

VD0824SBS01

Tot Ion:	43	Resp:	246643
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.6
70	7.2	5.7	8.5

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#38

Carbon Tetrachloride

Concen: 18.87 ug/l

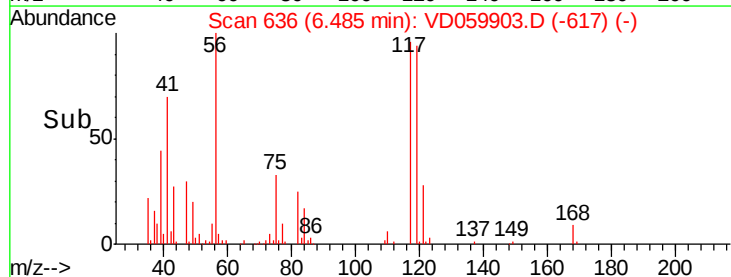
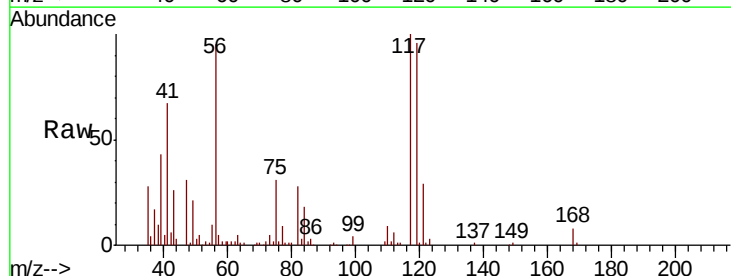
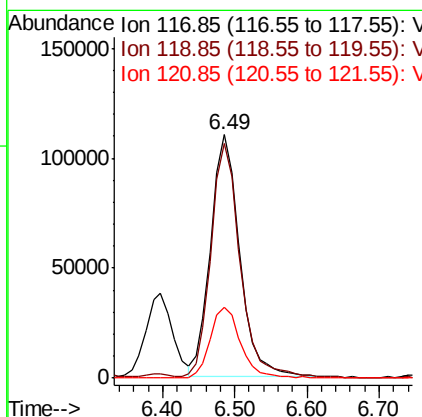
RT: 6.49 min Scan# 636

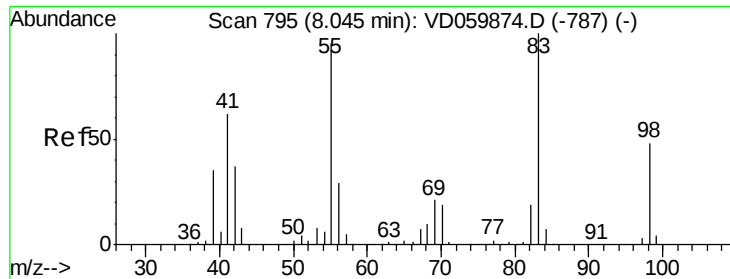
Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Tgt Ion:	117	Resp:	307321
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	29.3	24.0	36.0





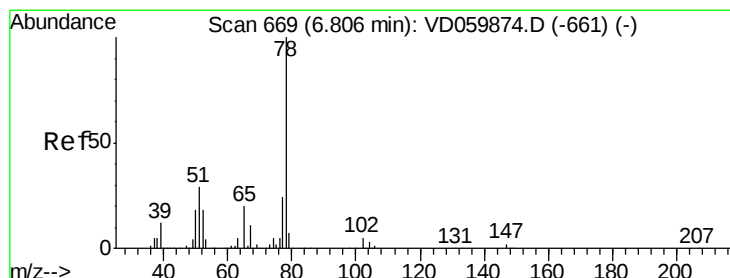
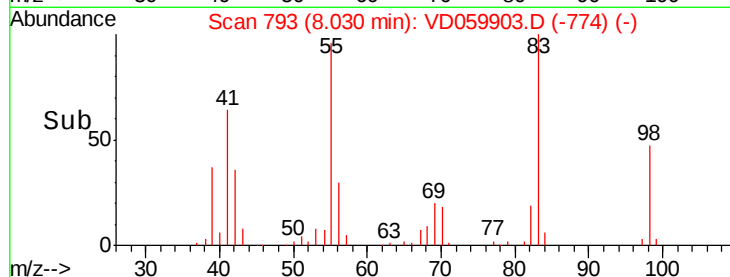
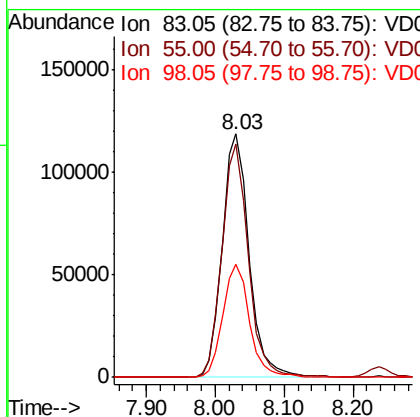
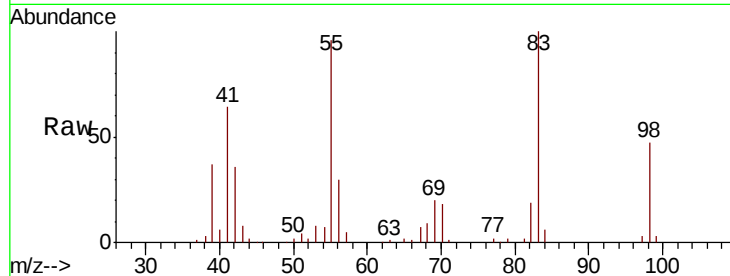
#39
Methvlcvclohexane
Concen: 18.42 ug/l
RT: 8.03 min Scan# 793
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

Tot Ion	83	Resp	321093
Ion Ratio	100	Lower	Upper
83	100		
55	95.7	75.8	113.6
98	46.7	38.3	57.5

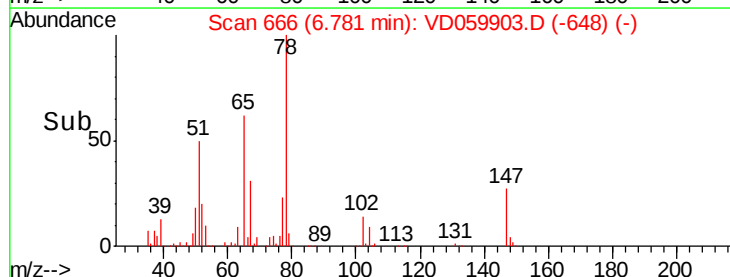
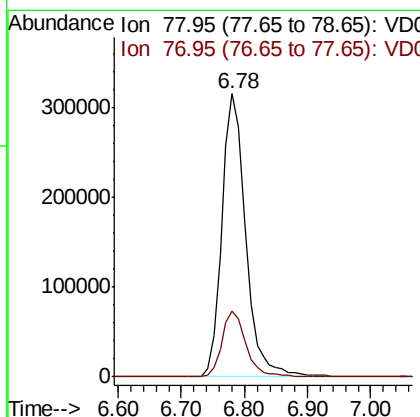
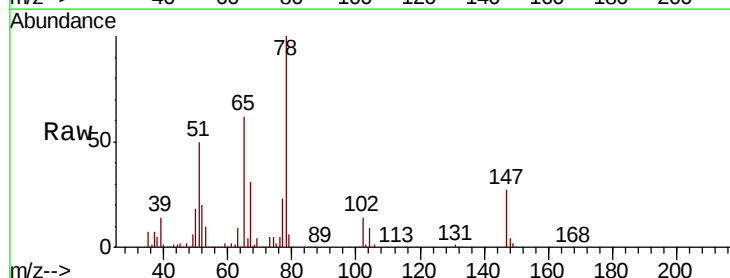
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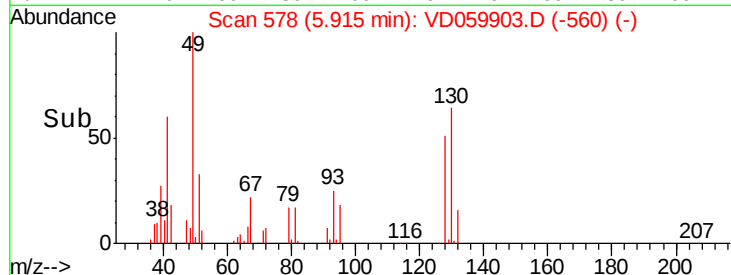
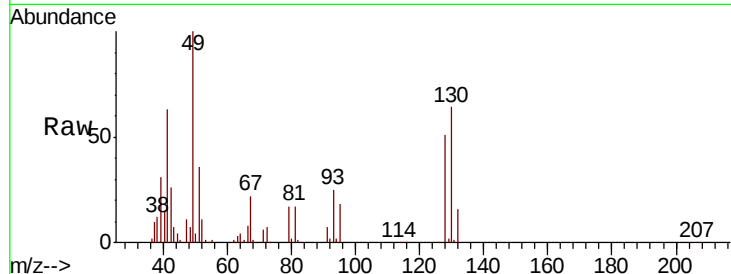
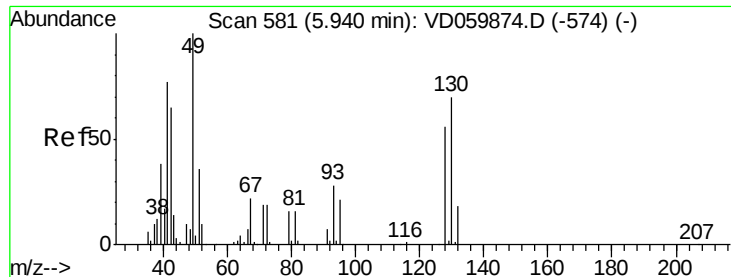
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#40
Benzene
Concen: 19.85 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion	78	Resp	832674
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	19.0	28.4





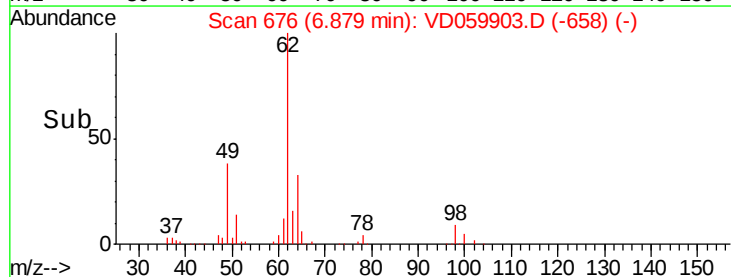
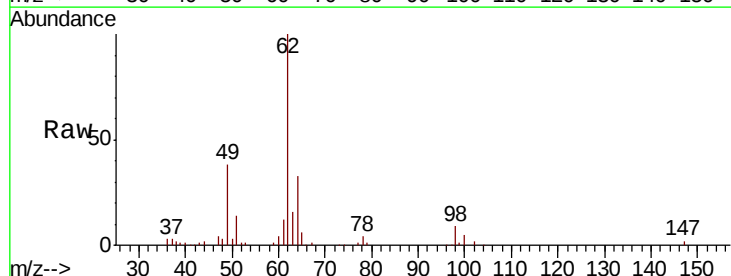
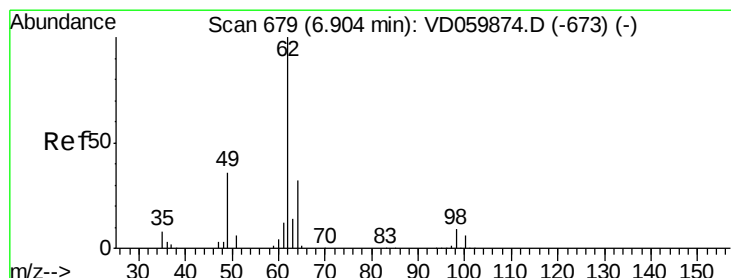
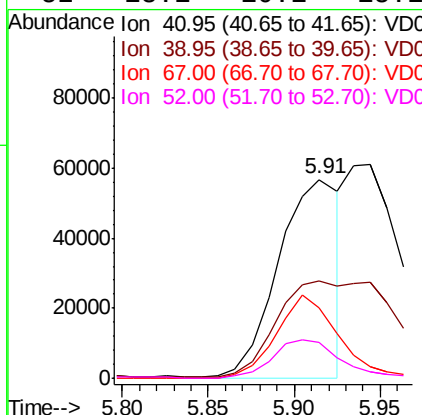
#41
Methacrylonitrile
Concen: 22.44 ug/l m
RT: 5.91 min Scan# 578
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.8	39.4	59.2
67	35.4	22.2	33.2#
52	18.1	10.1	15.1#

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

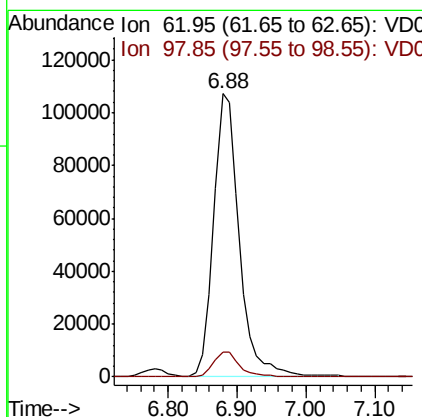
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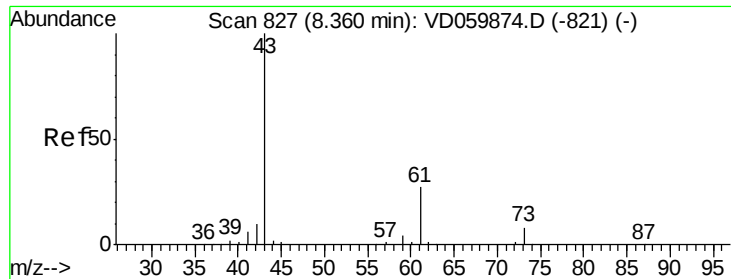
apatel
8/27/2018 10:48:40 AM



#42
1,2-Dichloroethane
Concen: 20.39 ug/l
RT: 6.88 min Scan# 676
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.4





#43

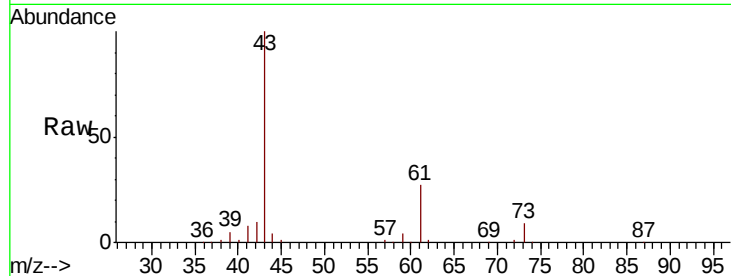
Isopropyl Acetate
 Concen: 20.56 ug/l
 RT: 8.35 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0824SBS01

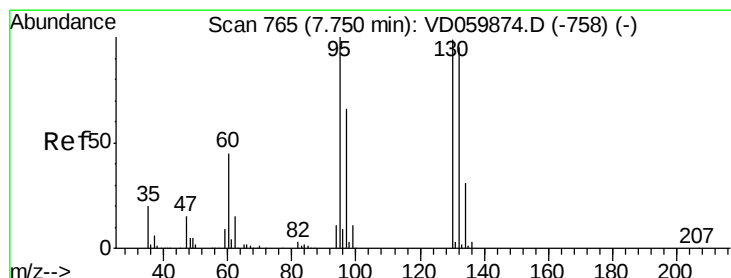
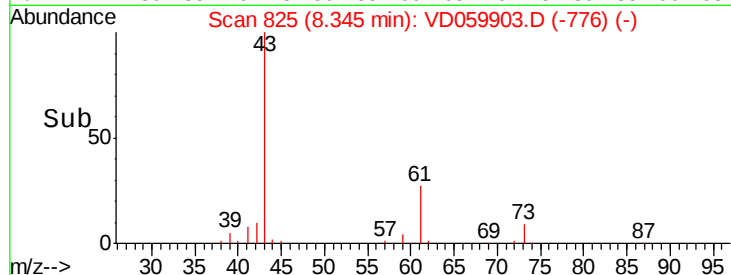
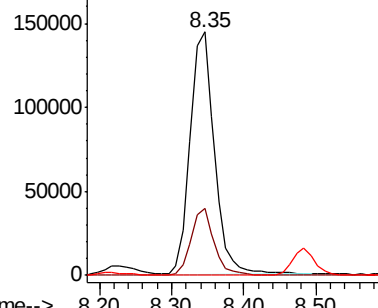
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.4	32.2
87	0.3	0.2	0.4

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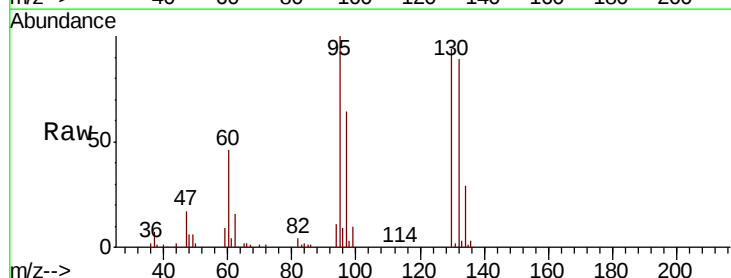
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



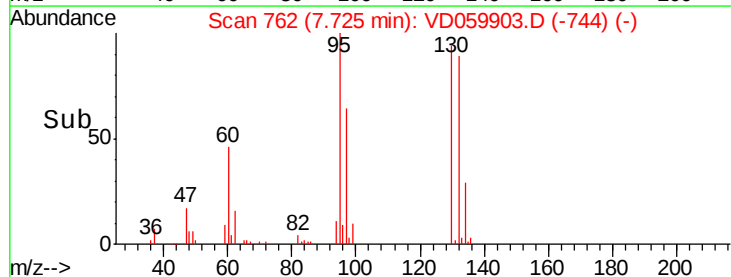
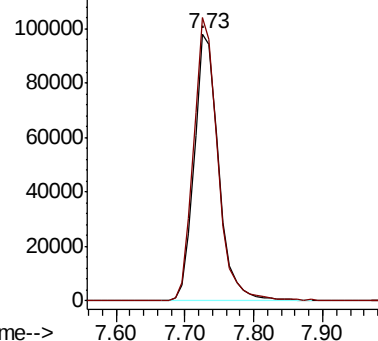
#44

Trichloroethene
 Concen: 19.41 ug/l
 RT: 7.73 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.1	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: 19.97 ug/l

RT: 8.09 min Scan# 799

Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 63 Resp: 234248

Ion Ratio Lower Upper

63 100

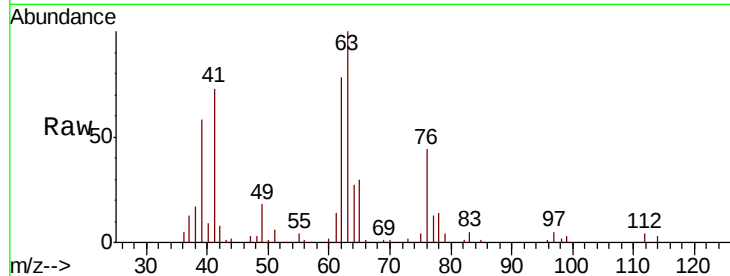
65 30.1 23.5 35.3

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

100000

80000

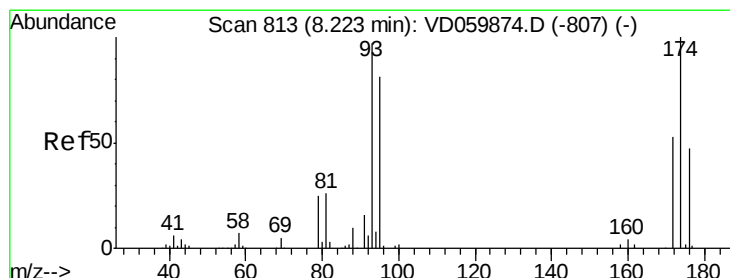
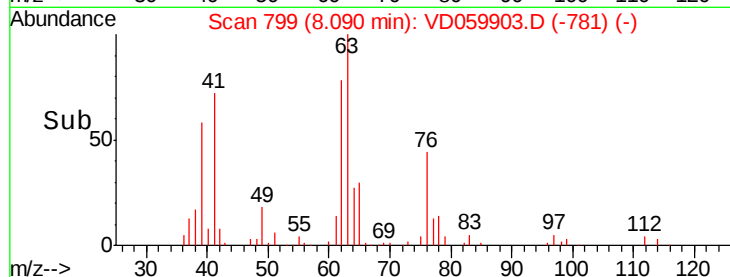
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 20.09 ug/l

RT: 8.21 min Scan# 811

Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

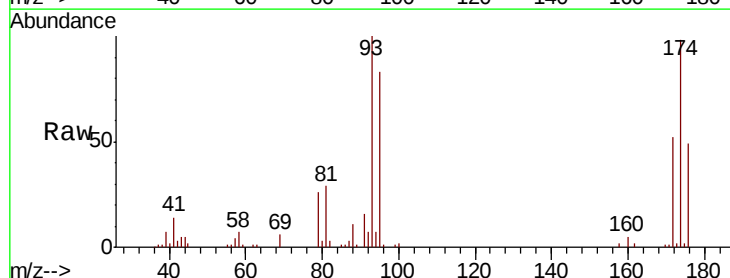
Tgt Ion: 93 Resp: 151527

Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 98.2 82.4 123.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.21

80000

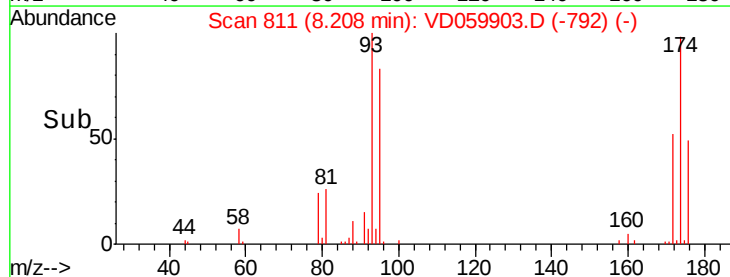
60000

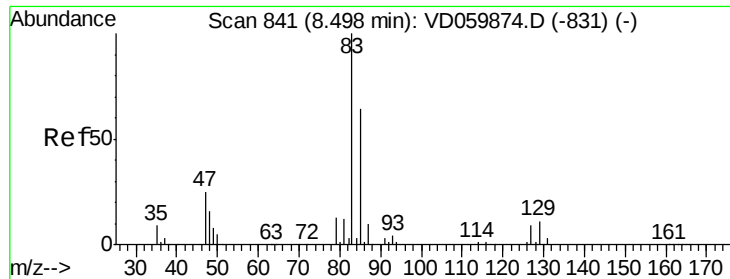
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 20.33 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

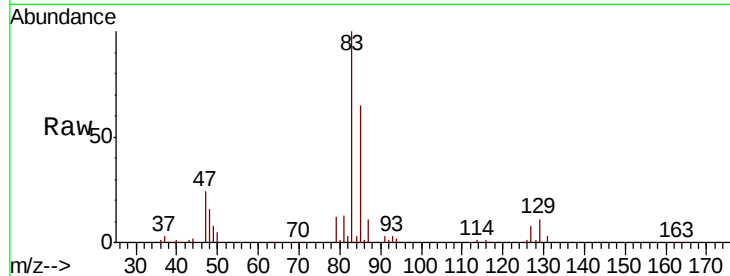
ClientSampleId :

VD0824SBS01

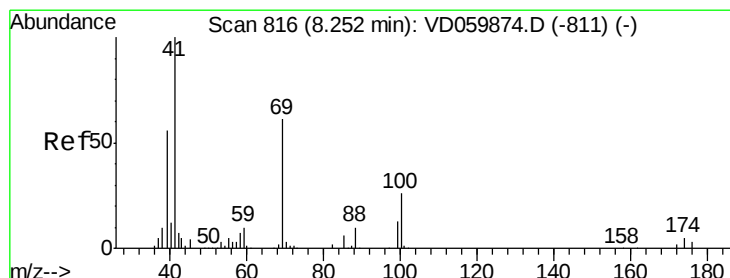
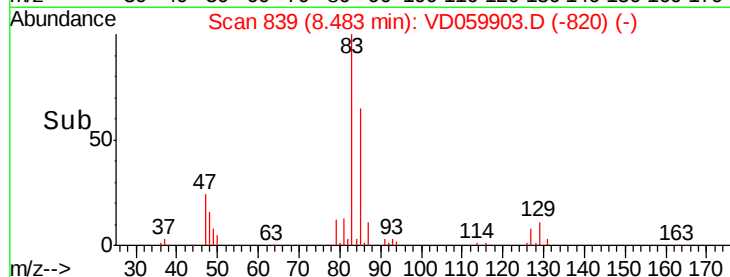
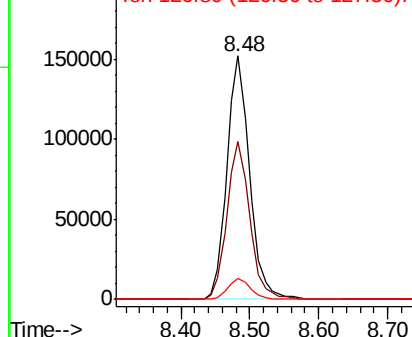
Tot Ion:	83	Resp:	347069
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.3	76.9
127	8.5	7.0	10.4

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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: 20.71 ug/l

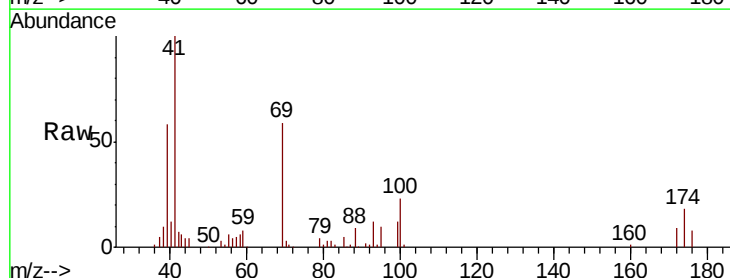
RT: 8.24 min Scan# 814

Delta R.T. -0.01 min

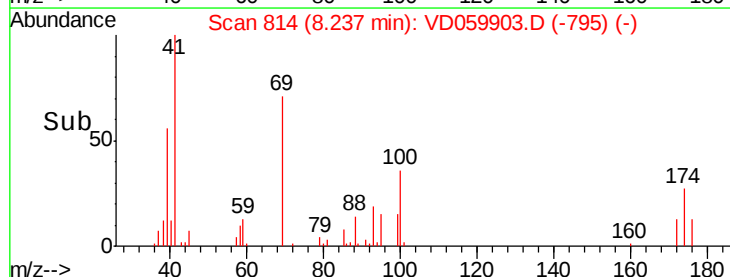
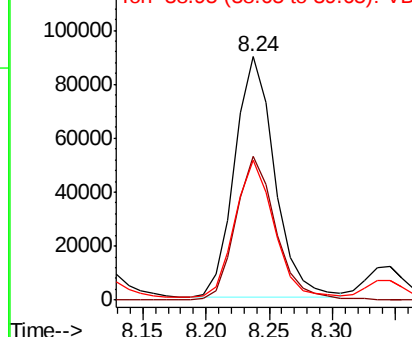
Lab File: VD059903.D

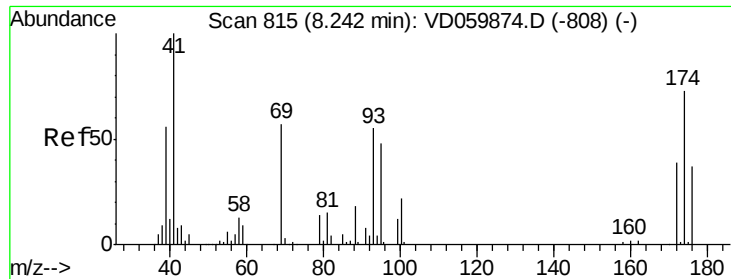
Acq: 24 Aug 2018 13:29

Tgt Ion:	41	Resp:	197166
Ion Ratio	Lower	Upper	
41	100		
69	59.1	48.0	72.0
39	57.7	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





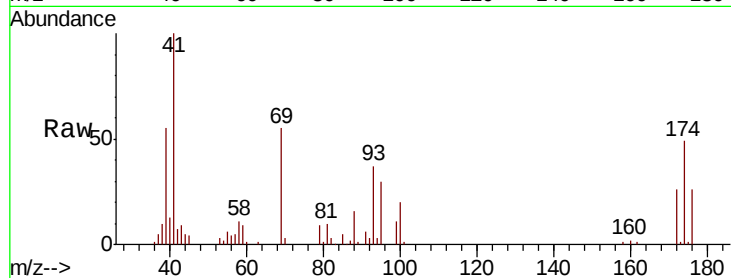
#49
1,4-Dioxane
Concen: 417.06 ug/l
RT: 8.23 min Scan# 813
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

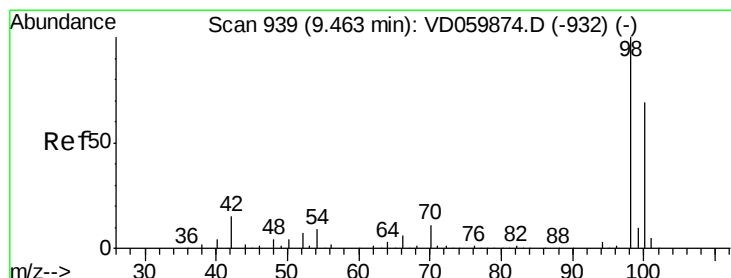
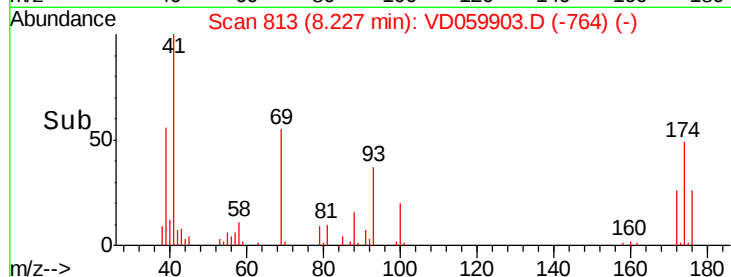
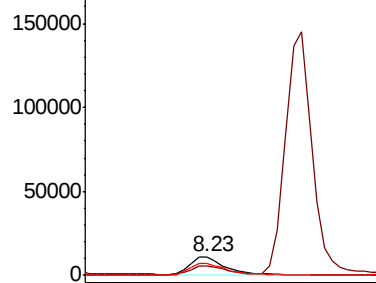
Tot Ion	Ratio	Lower	Upper
88	100		
43	53.6	45.0	67.6
58	66.6	55.8	83.8

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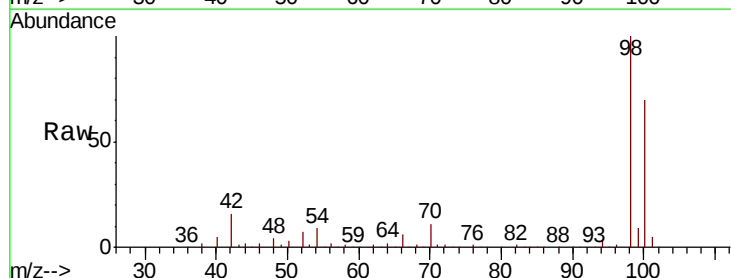


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

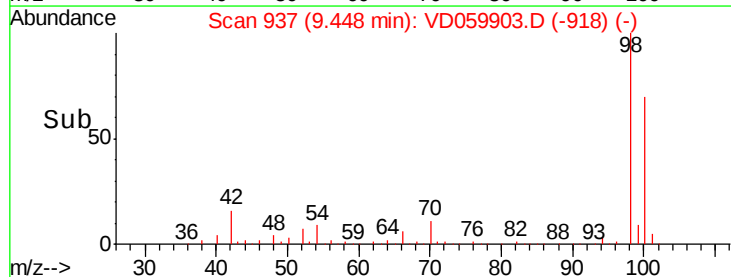
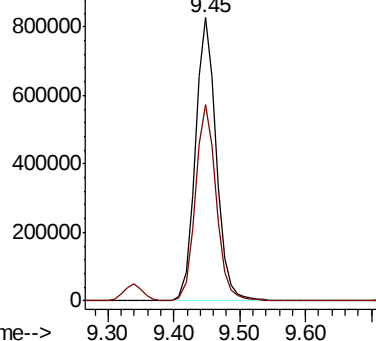


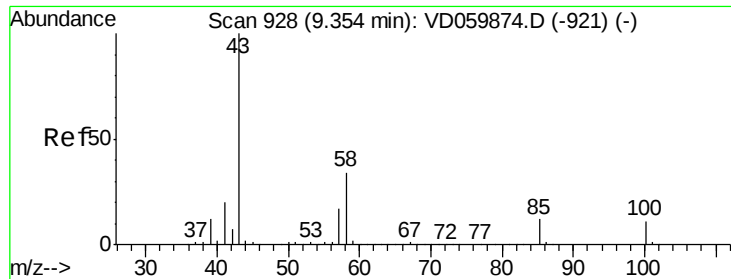
#50
Toluene-d8
Concen: 417.06 ug/l
RT: 9.45 min Scan# 937
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.5	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: 92.84 ug/l

RT: 9.34 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 43 Resp: 1130666

Ion Ratio Lower Upper

43 100

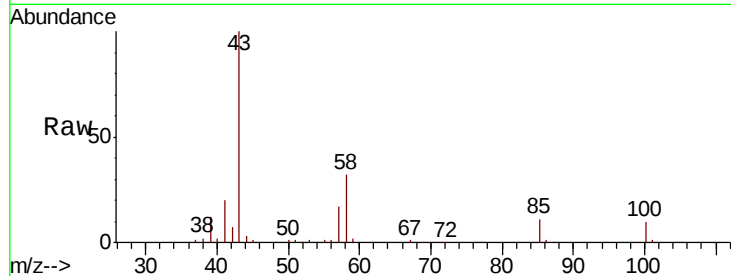
58 32.1 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

500000

400000

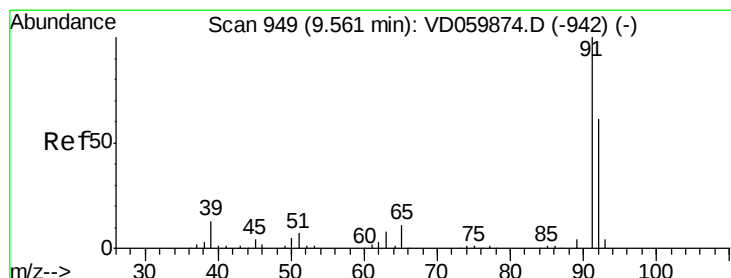
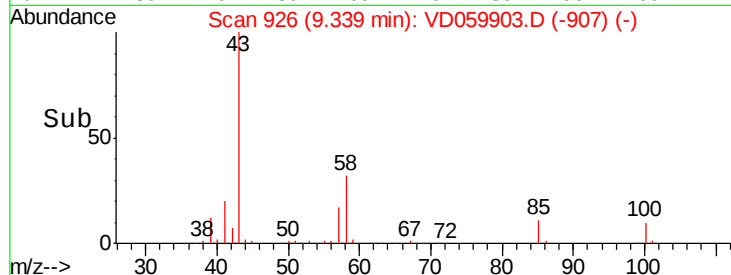
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 19.81 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.02 min

Lab File: VD059903.D

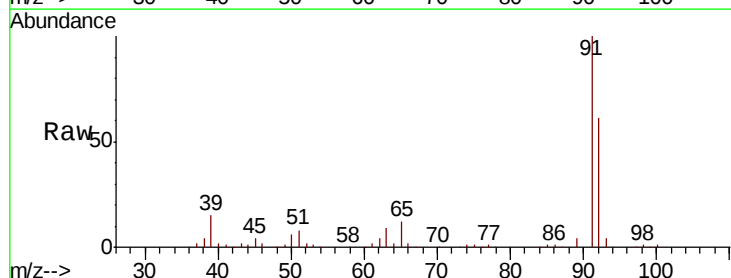
Acq: 24 Aug 2018 13:29

Tgt Ion: 92 Resp: 532939

Ion Ratio Lower Upper

92 100

91 165.0 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

400000

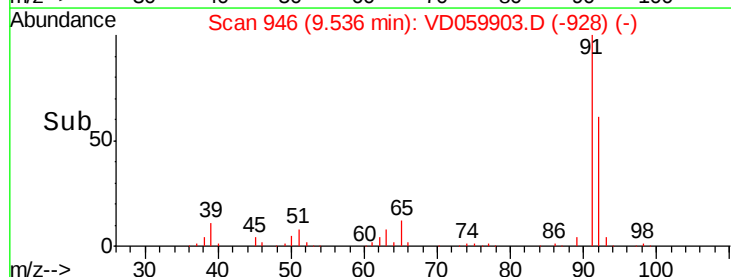
300000

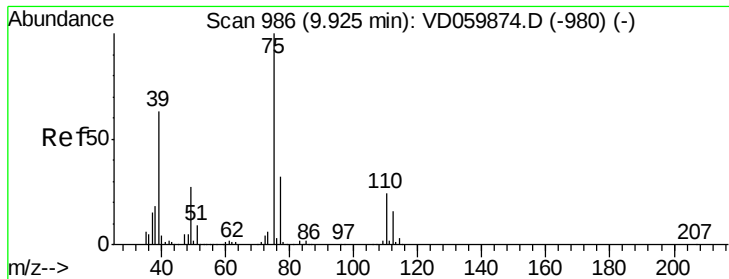
200000

100000

0

Time--> 9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 20.41 ug/l

RT: 9.91 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 75 Resp: 322330

Ion Ratio Lower Upper

75 100

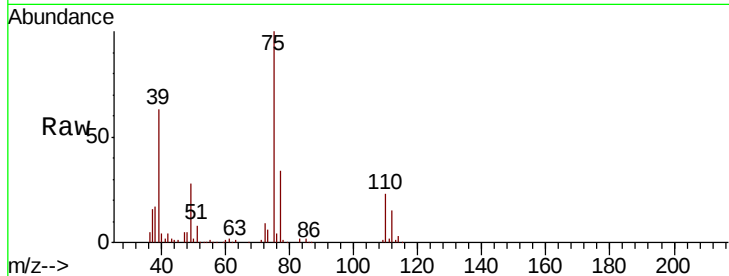
77 33.6 25.4 38.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

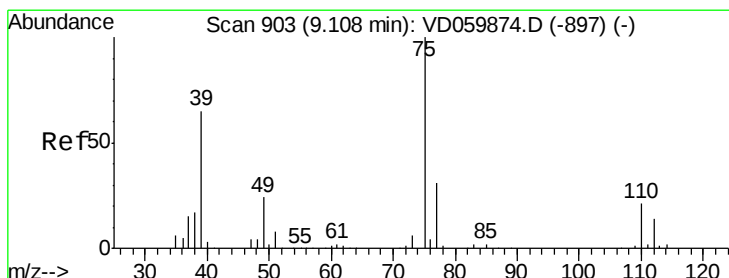
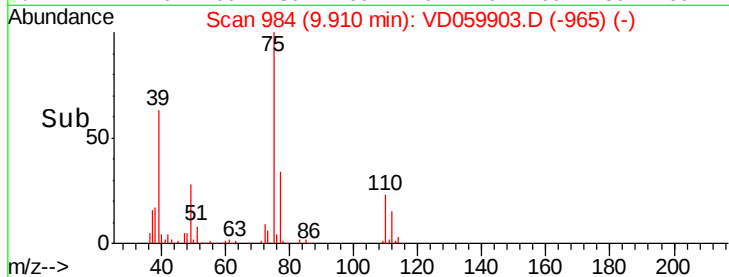
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.17 ug/l

RT: 9.09 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

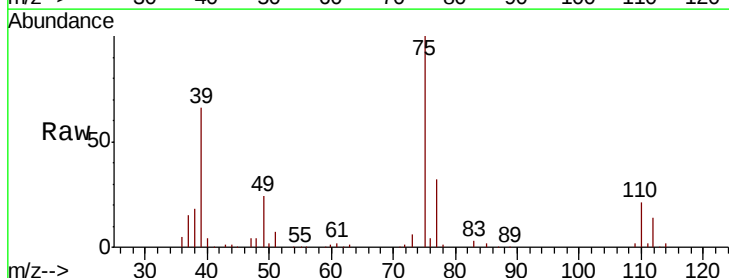
Tgt Ion: 75 Resp: 369204

Ion Ratio Lower Upper

75 100

77 32.3 24.8 37.2

39 66.2 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

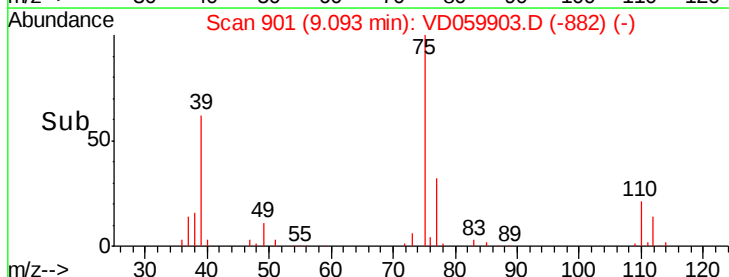
150000

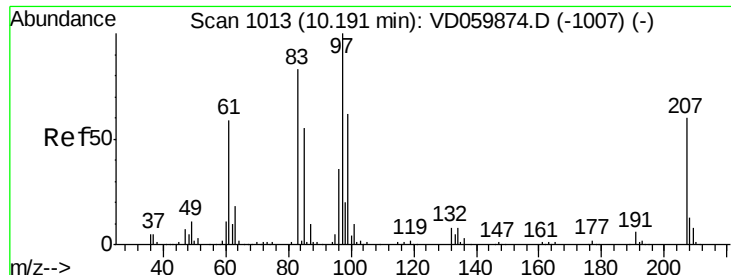
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.45 ug/l

RT: 10.18 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

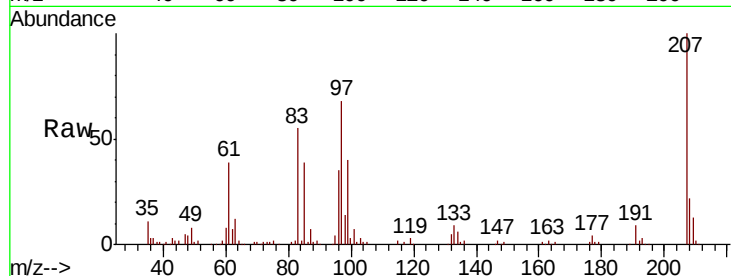
ClientSampleId :

VD0824SBS01

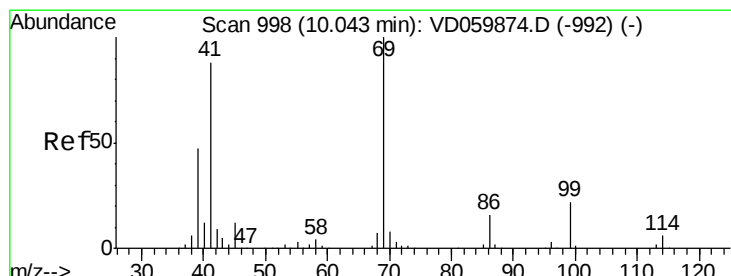
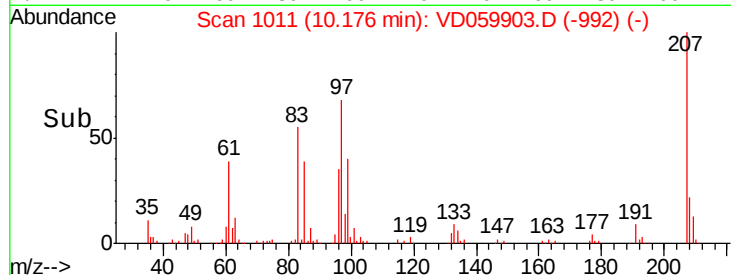
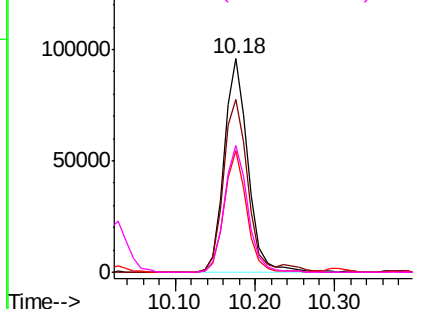
Tot Ion	Ratio	Resp	Lower	Upper
97	100	201086		
83	80.8	66.7	100.1	
85	57.1	43.8	65.6	
99	59.2	49.8	74.6	

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Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.39 ug/l

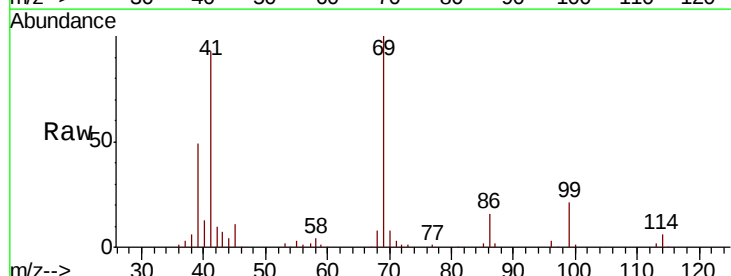
RT: 10.03 min Scan# 996

Delta R.T. -0.01 min

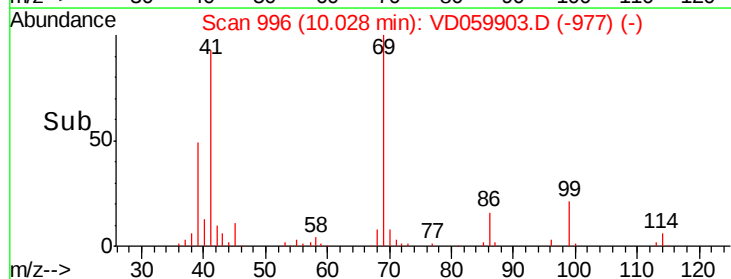
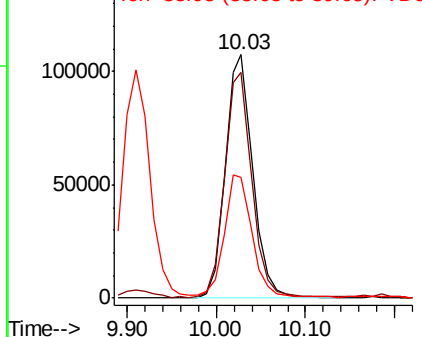
Lab File: VD059903.D

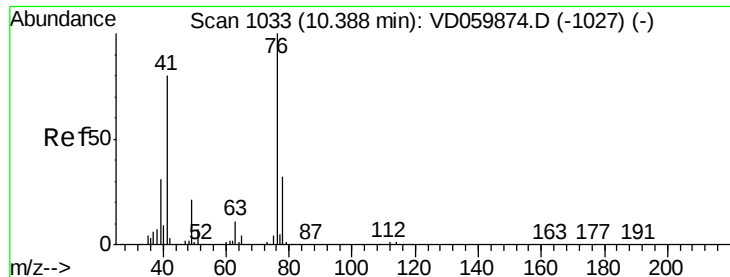
Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	231397		
41	92.8	71.0	106.4	
39	49.4	38.5	57.7	



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





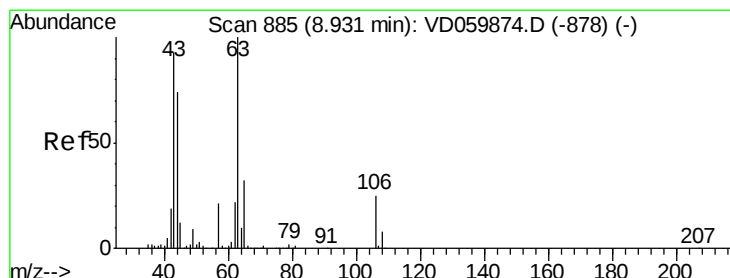
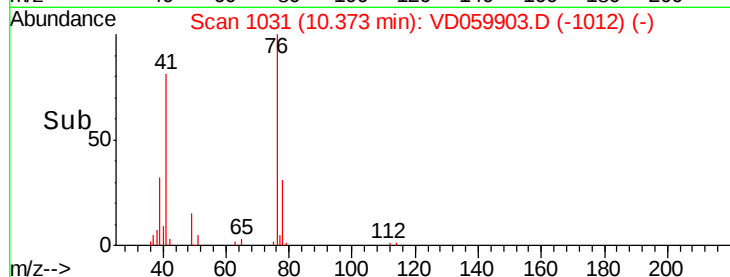
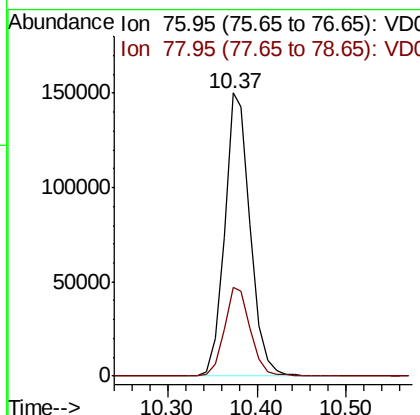
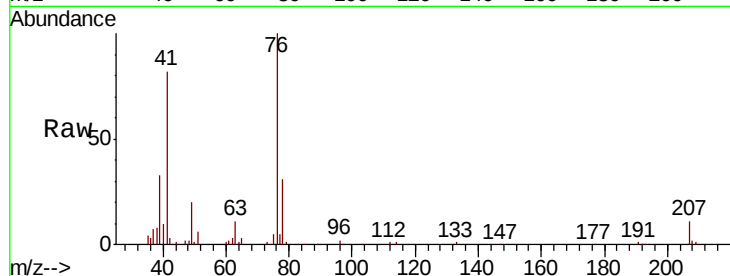
#57
 1,3-Dichloropropane
 Concen: 21.19 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0824SBSD01

Tot Ion: 76 Resp: 301667
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.8 38.6

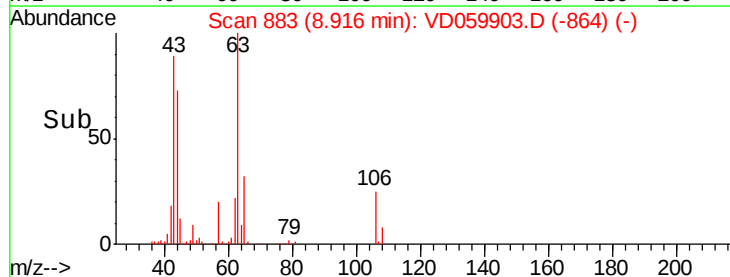
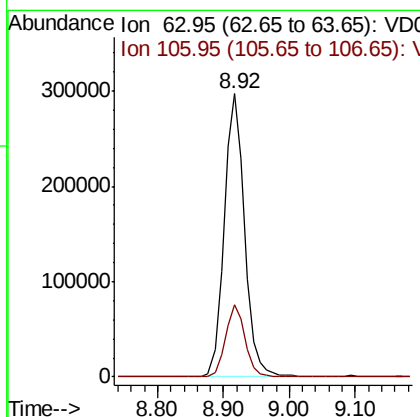
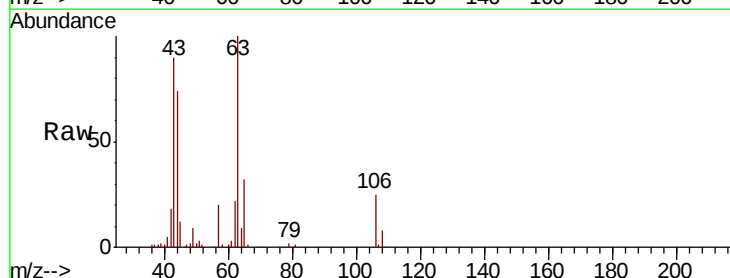
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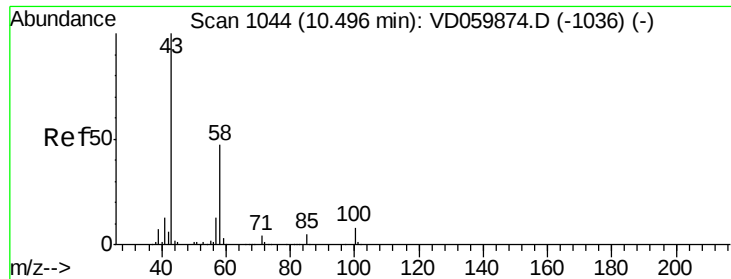
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#58
 2-Chloroethyl Vinyl ether
 Concen: 118.21 ug/l
 RT: 8.92 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion: 63 Resp: 643644
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.1 30.1





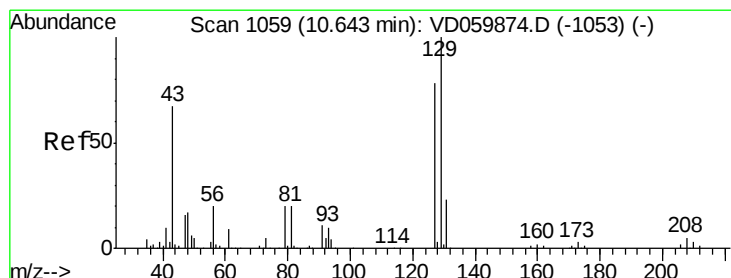
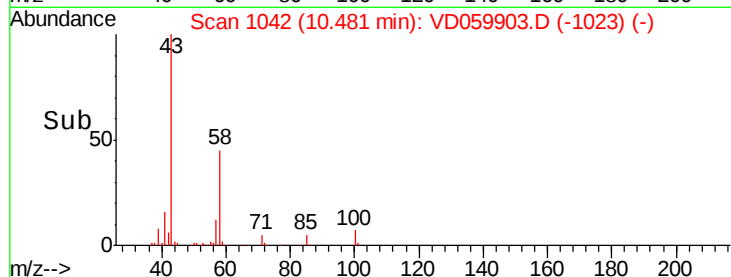
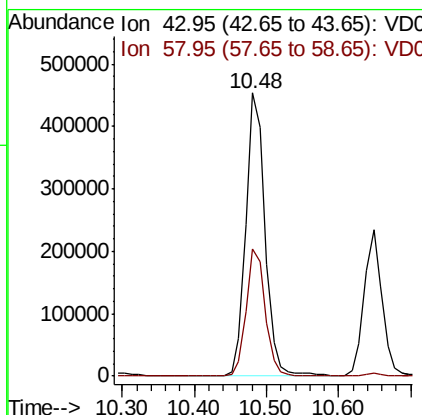
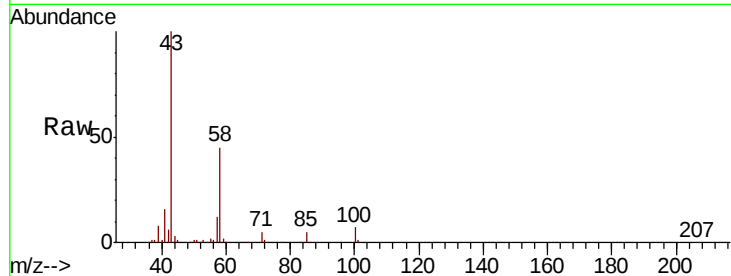
#59
2-Hexanone
Concen: 94.36 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

Tot Ion: 43 Resp: 847621
Ion Ratio Lower Upper
43 100
58 44.9 23.3 69.8

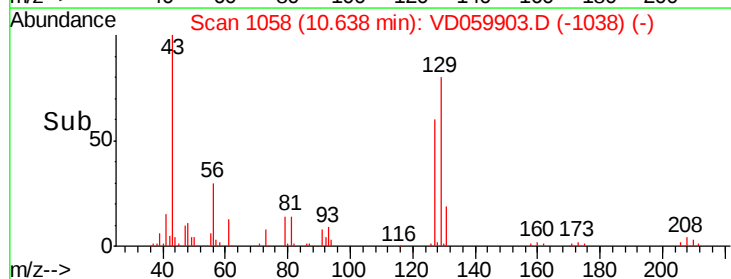
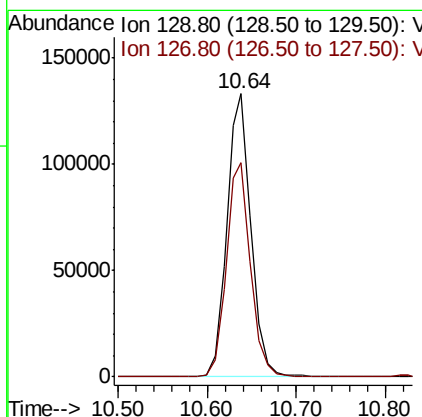
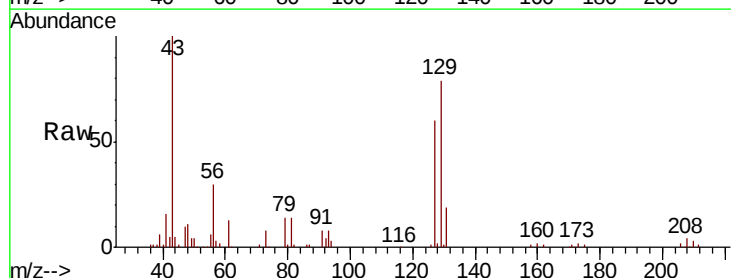
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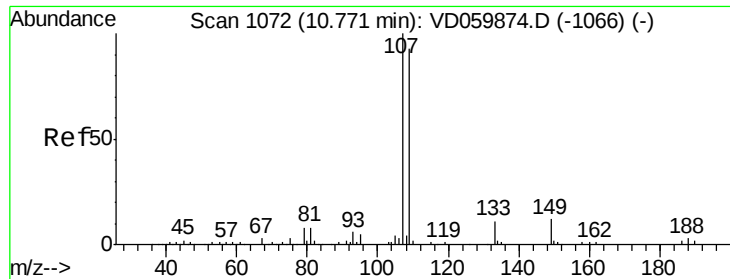
apatel
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#60
Dibromochloromethane
Concen: 20.41 ug/l
RT: 10.64 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 129 Resp: 252289
Ion Ratio Lower Upper
129 100
127 75.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.99 ug/l

RT: 10.76 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion:107 Resp: 198778

Ion Ratio Lower Upper

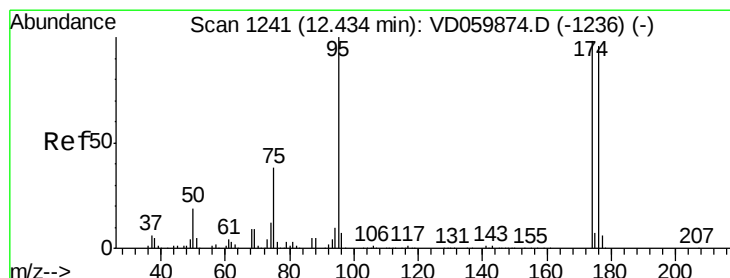
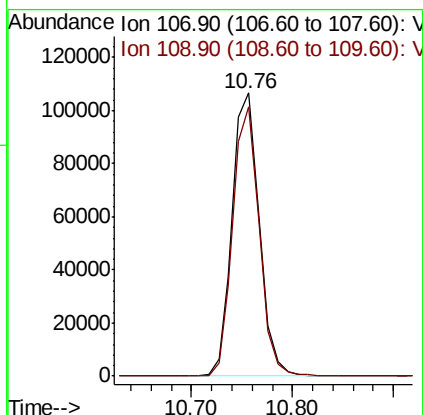
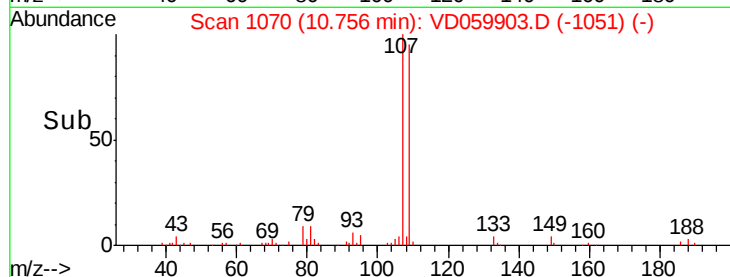
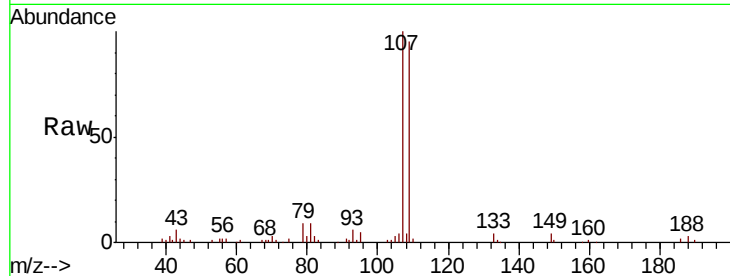
107 100

109 95.1 74.6 112.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 19.99 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

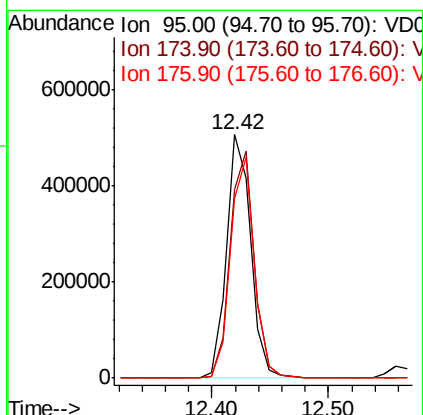
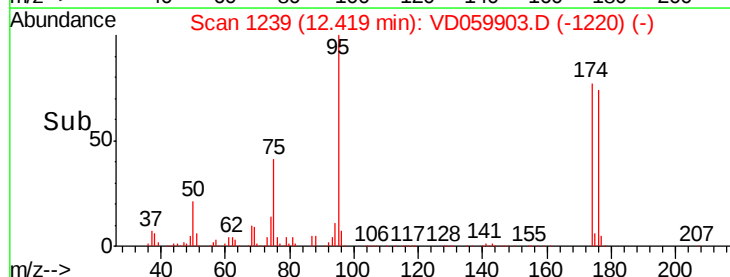
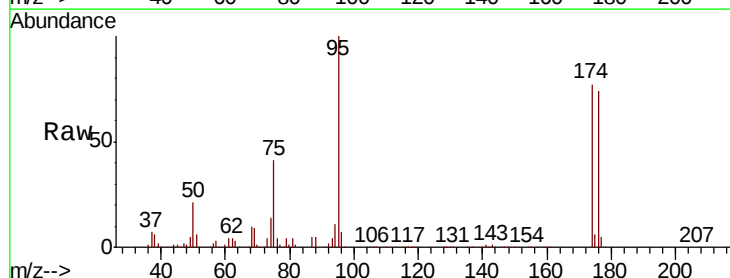
Tgt Ion: 95 Resp: 725372

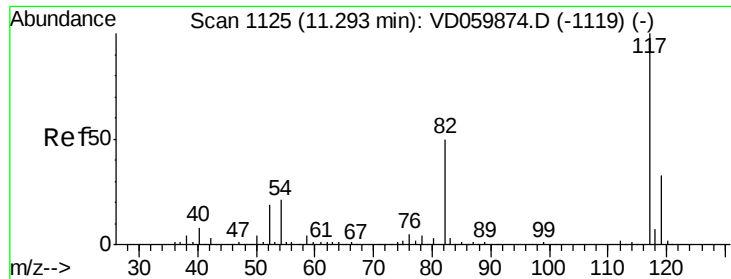
Ion Ratio Lower Upper

95 100

174 77.4 0.0 195.6

176 73.8 0.0 191.2





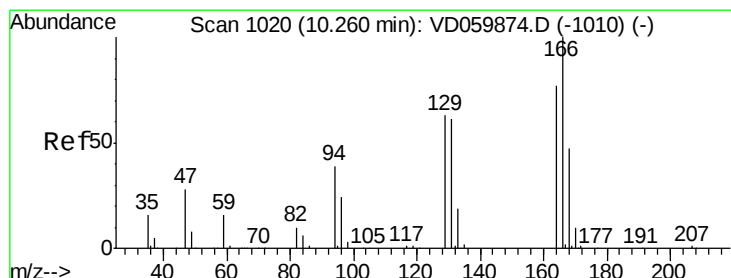
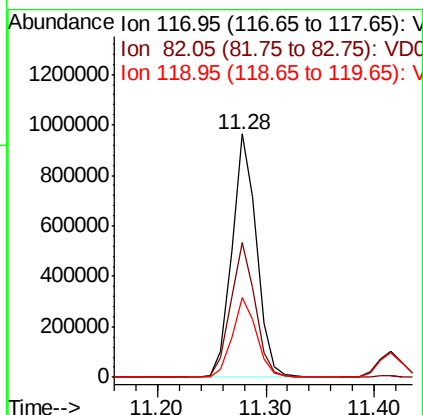
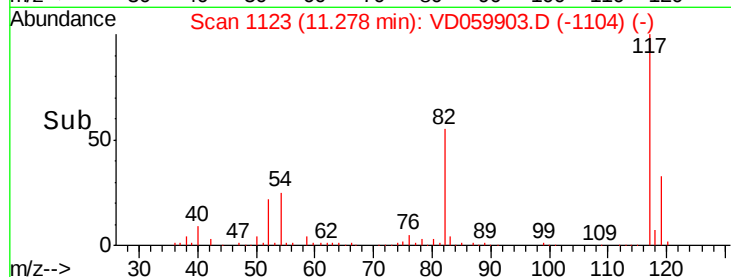
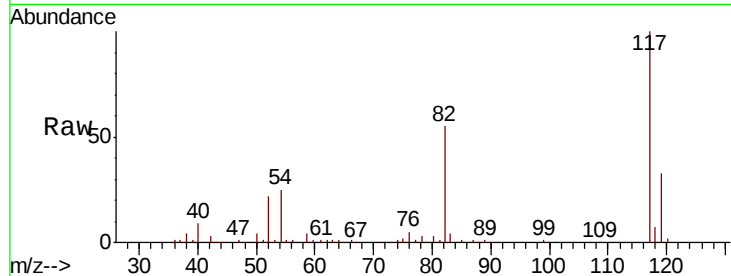
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion:117 Resp: 1519520
Ion Ratio Lower Upper
117 100
82 55.4 40.1 60.1
119 32.8 26.7 40.1

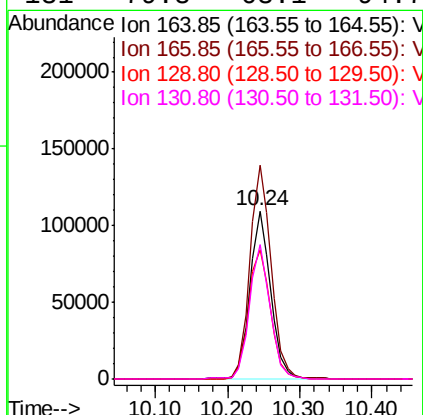
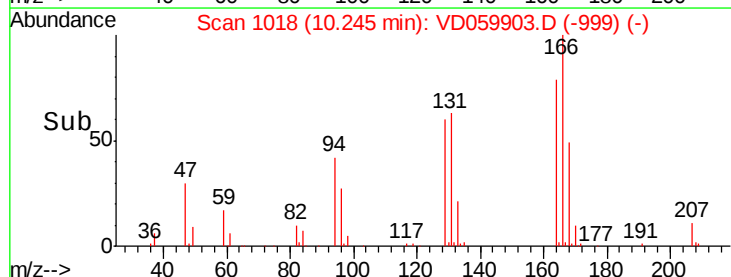
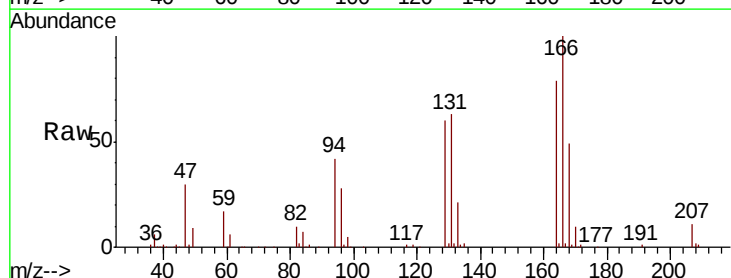
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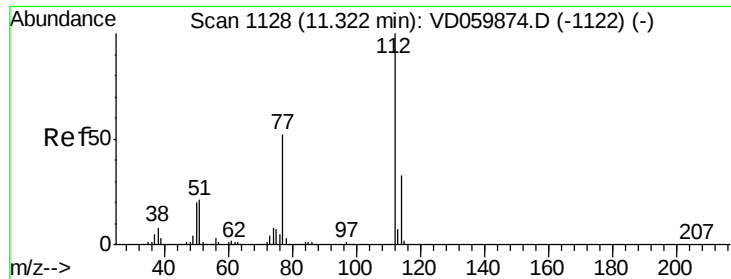
apatel
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#64
Tetrachloroethene
Concen: 18.94 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion:164 Resp: 222531
Ion Ratio Lower Upper
164 100
166 127.2 103.4 155.2
129 76.9 65.2 97.8
131 79.8 63.1 94.7





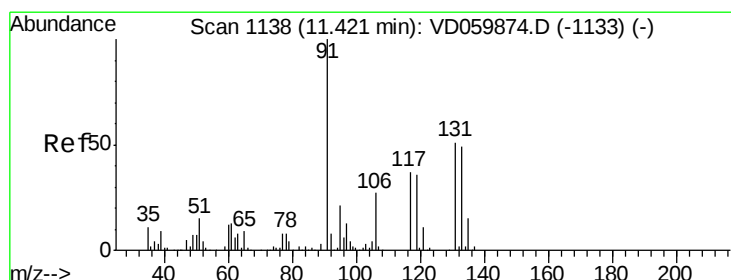
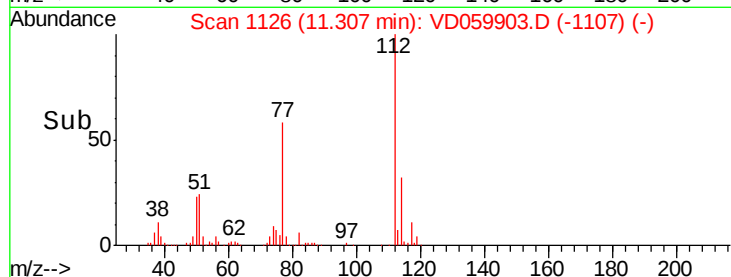
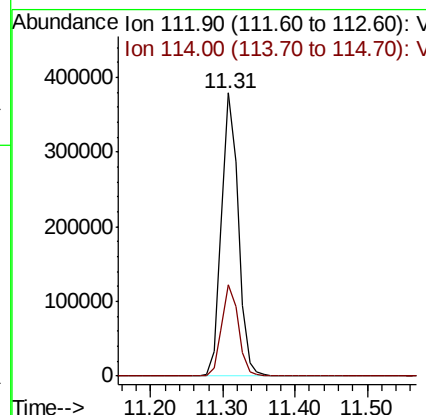
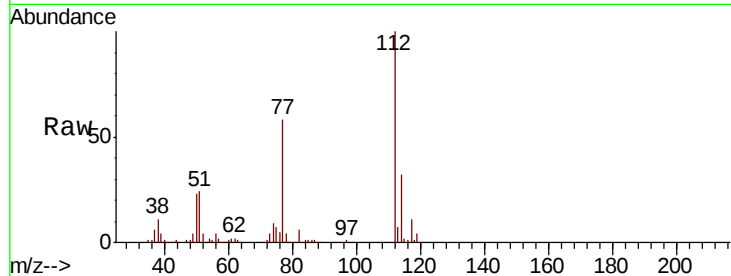
#65
Chlorobenzene
Concen: 20.00 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

Tot Ion:112 Resp: 604055
Ion Ratio Lower Upper
112 100
114 32.4 26.4 39.6

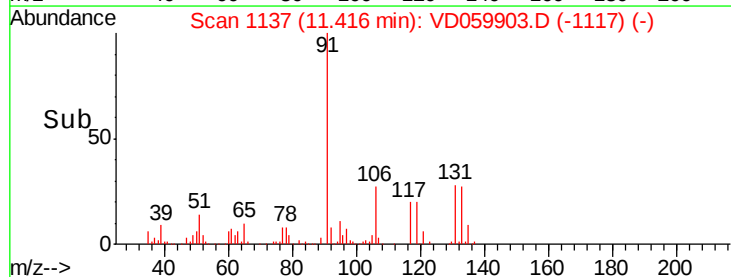
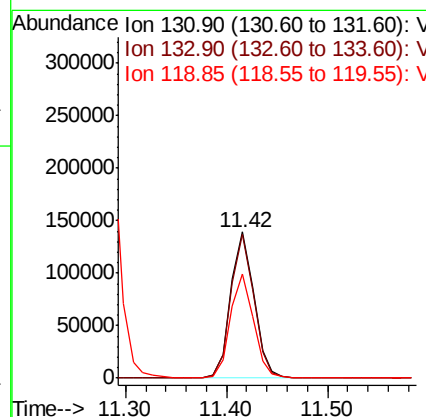
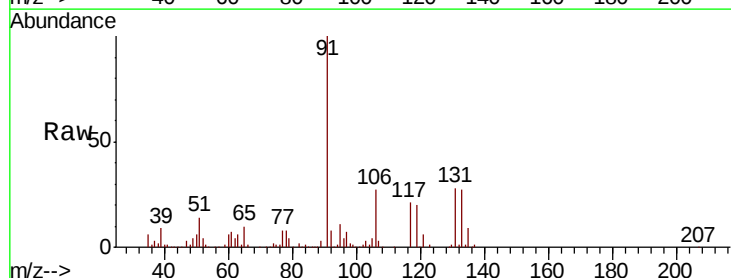
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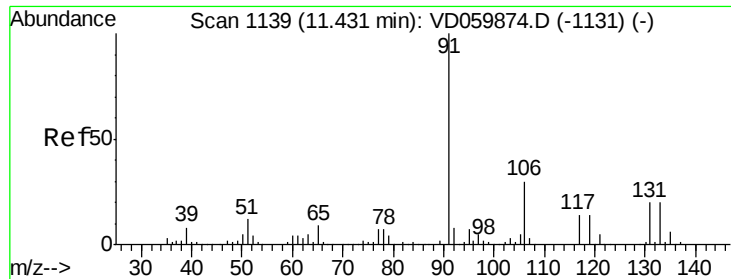
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.39 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion:131 Resp: 224939
Ion Ratio Lower Upper
131 100
133 98.2 48.3 144.8
119 71.2 35.4 106.3





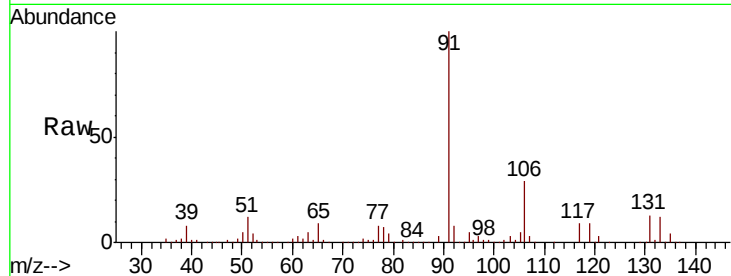
#67
Ethyl Benzene
Concen: 20.75 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

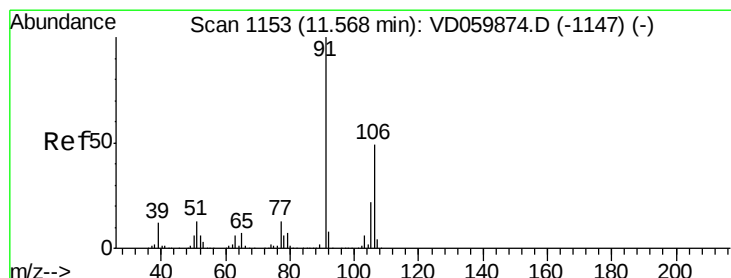
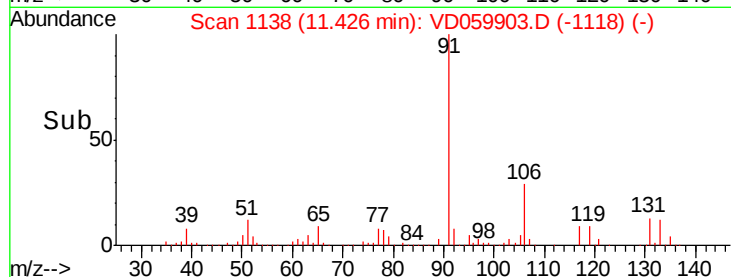
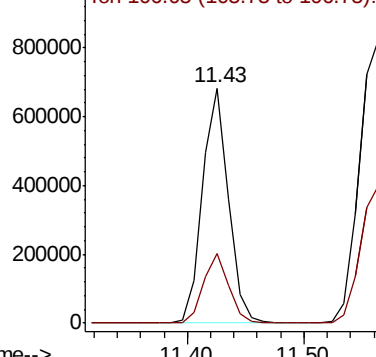
Tot Ion: 91 Resp: 1054152
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8

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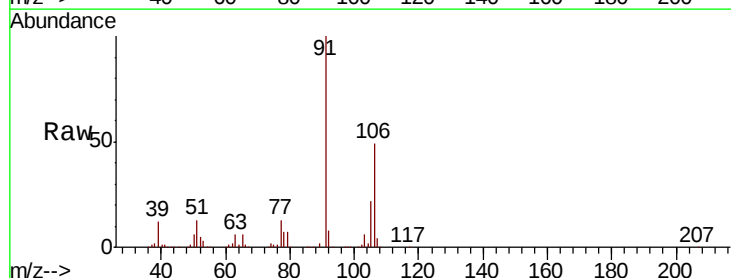


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

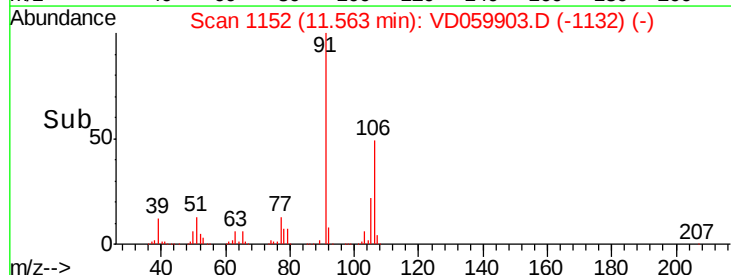
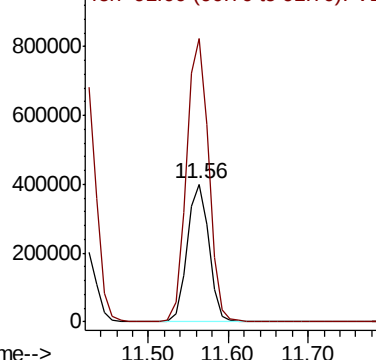


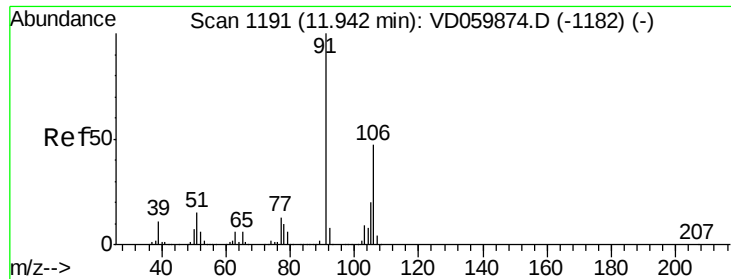
#68
m/p-Xylenes
Concen: 41.76 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 106 Resp: 772339
Ion Ratio Lower Upper
106 100
91 205.1 162.0 243.0



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC





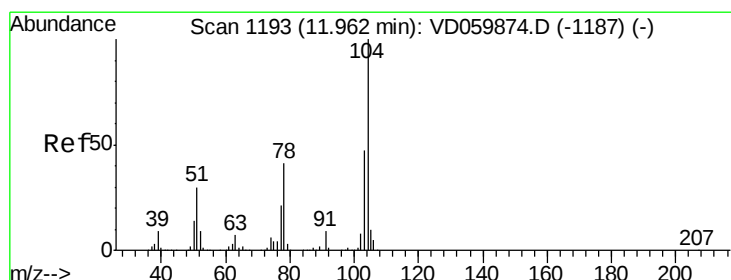
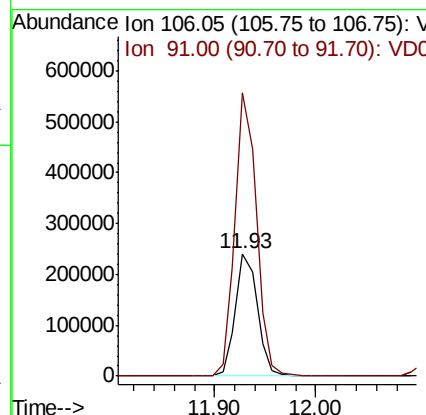
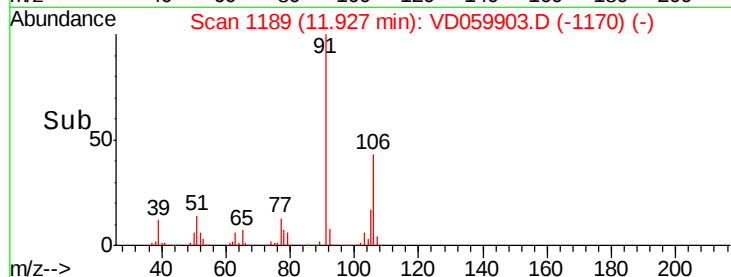
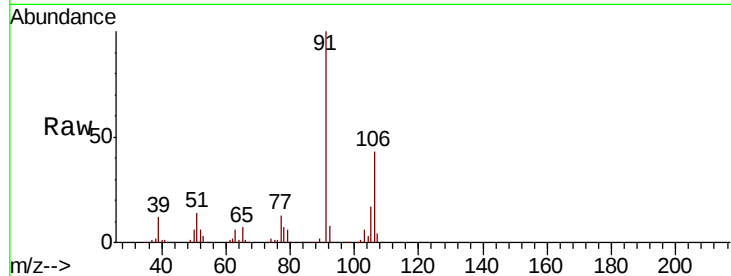
#69
o-Xylene
Concen: 20.35 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	368099		
91	91	231.2	107.3	322.0	

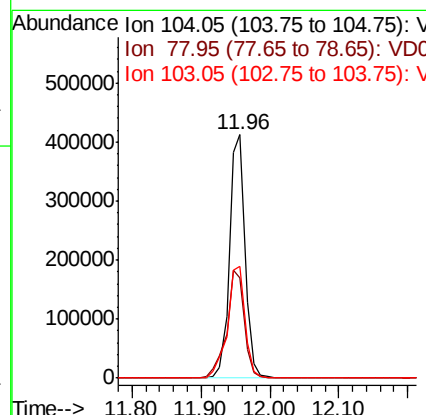
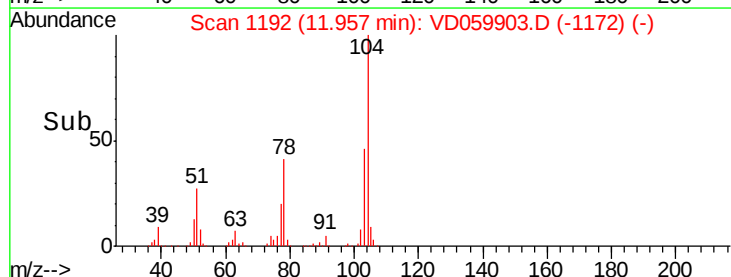
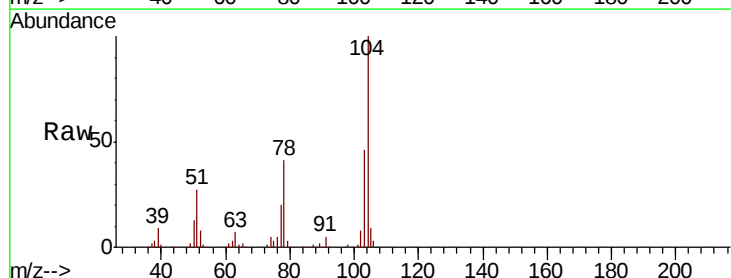
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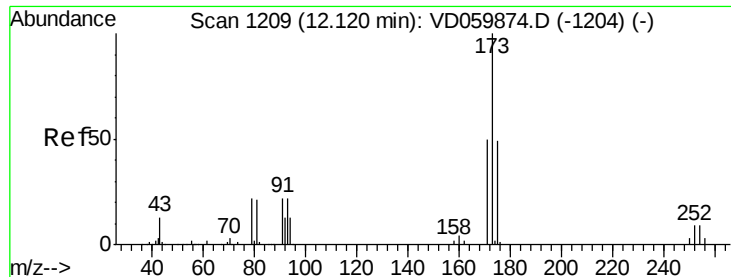
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#70
Styrene
Concen: 20.57 ug/l
RT: 11.96 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	644346		
78	78	41.4	32.6	49.0	
103	103	45.9	37.7	56.5	





#71

Bromoform

Concen: 18.98 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

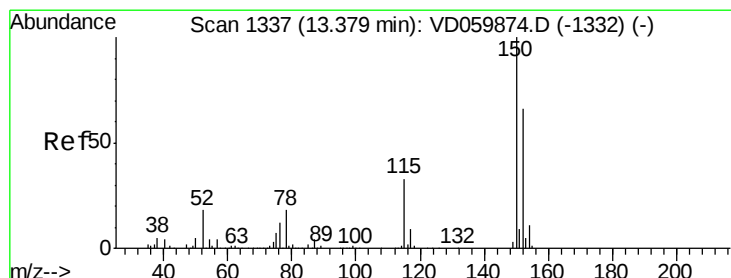
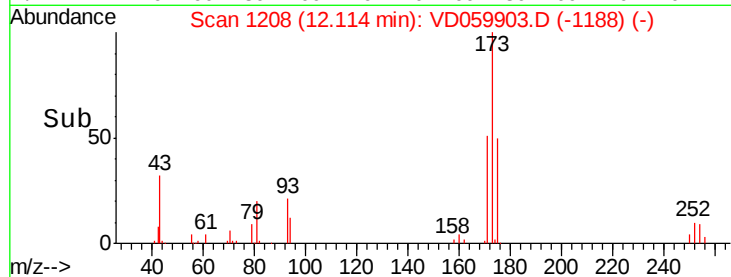
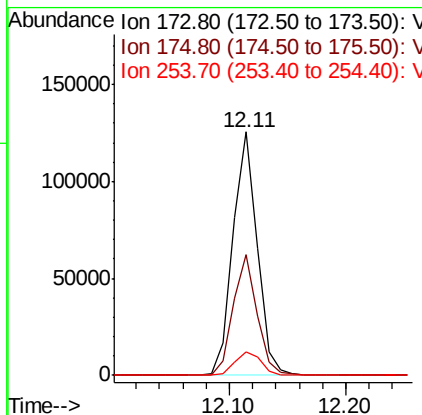
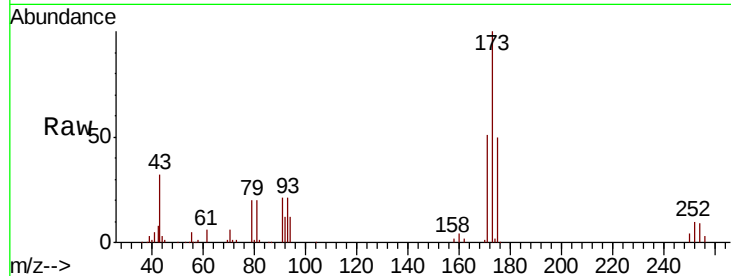
ClientSampleId :

VD0824SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	73.0
254	9.5	7.0	10.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

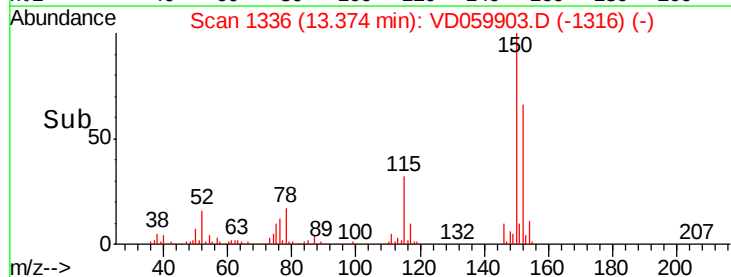
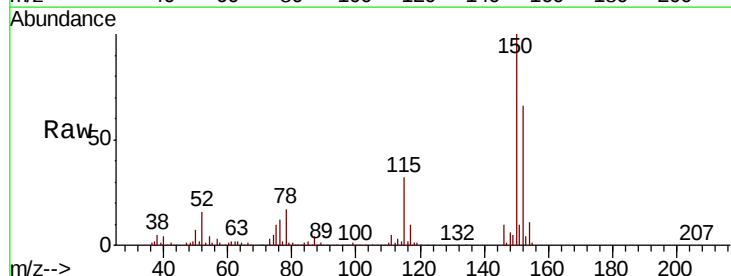
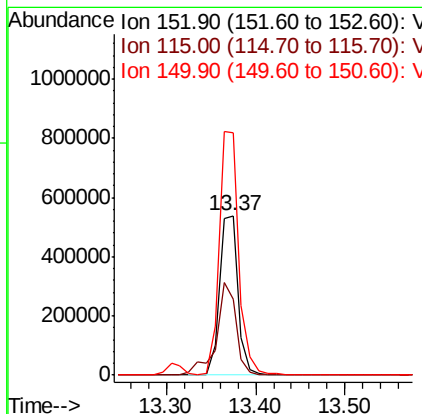
RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.0	25.7	77.0
150	152.0	0.0	310.2





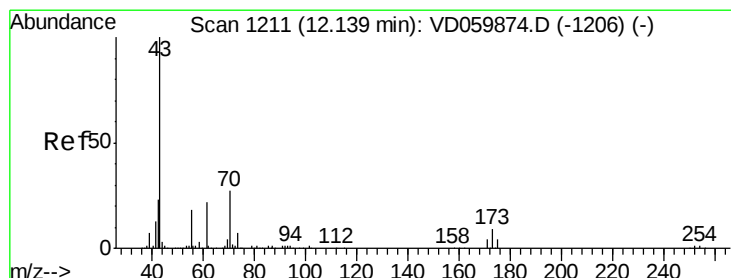
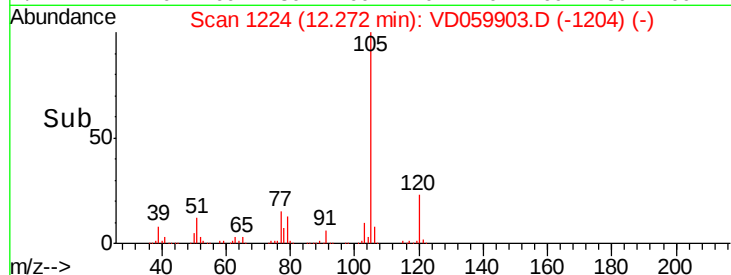
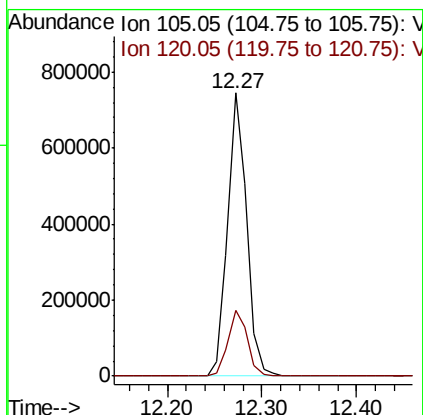
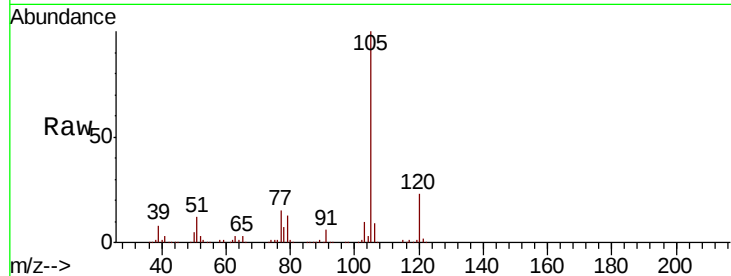
#73
Isopropylbenzene
Concen: 20.55 ug/l
RT: 12.27 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

Tot Ion: 105 Resp: 1036947
Ion Ratio Lower Upper
105 100
120 23.2 11.8 35.4

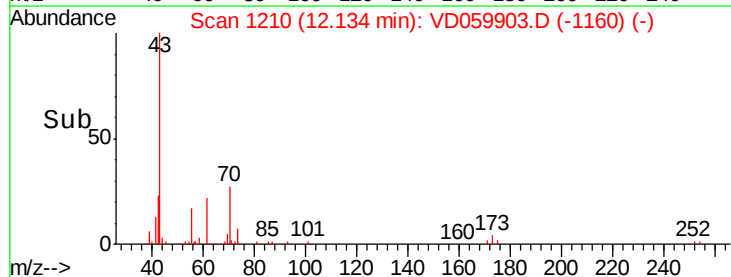
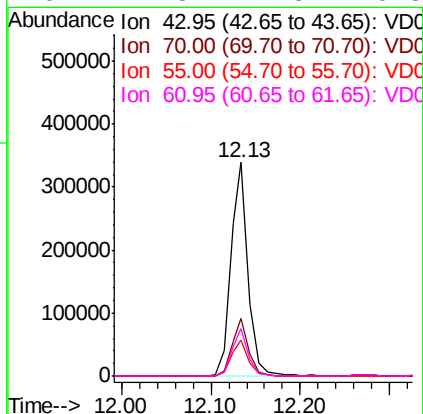
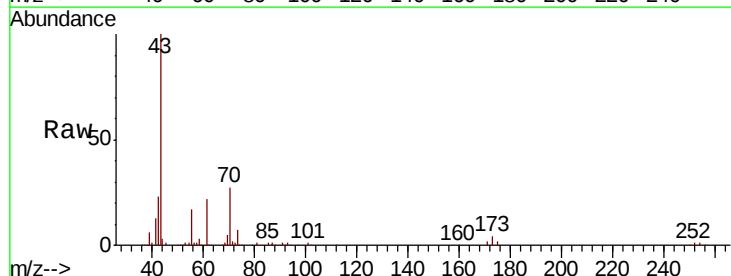
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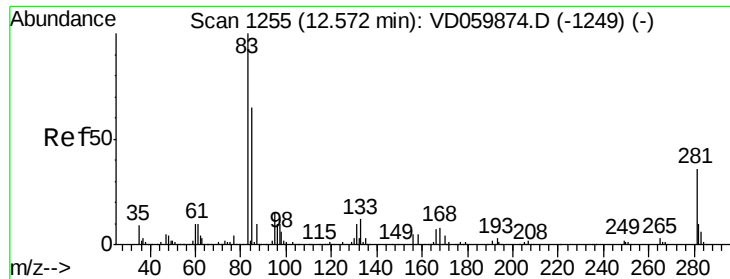
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#74
N-ethyl acetate
Concen: 20.56 ug/l
RT: 12.13 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 43 Resp: 454171
Ion Ratio Lower Upper
43 100
70 27.1 21.4 32.2
55 16.9 14.1 21.1
61 22.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.94 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBSD01

Tot Ion: 83 Resp: 244391
Ion Ratio Lower Upper

83 100

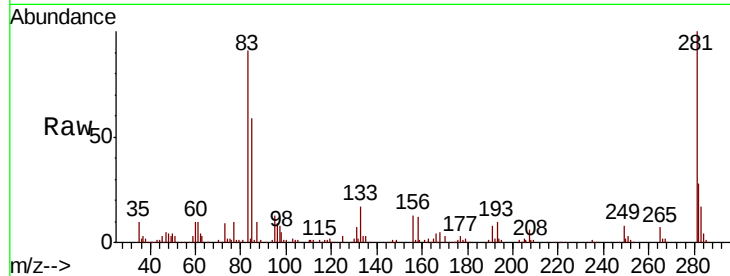
131 8.0 4.8 14.4

85 65.0 32.6 97.8

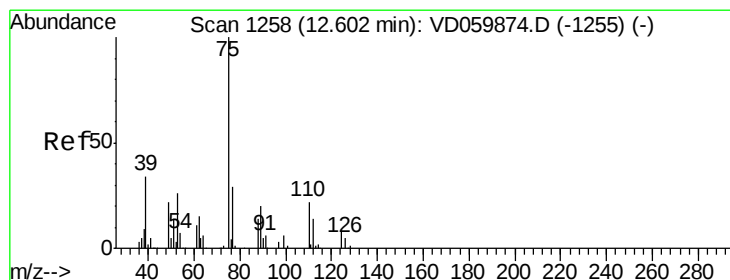
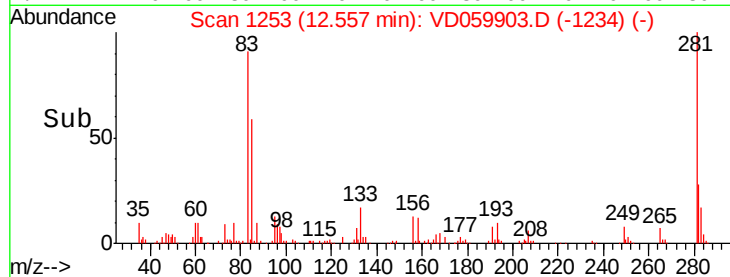
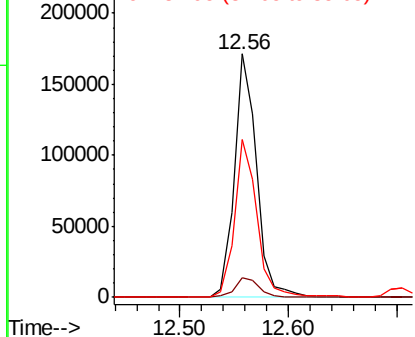
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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.31 ug/l

RT: 12.60 min Scan# 1257

Delta R.T. -0.01 min

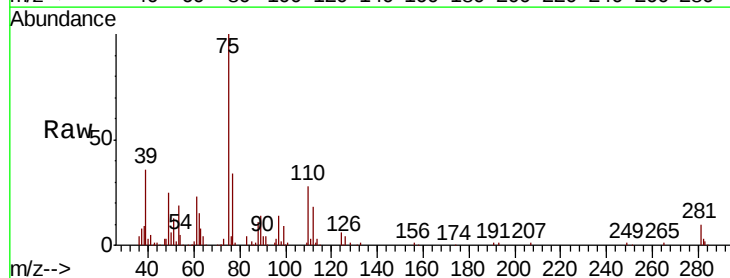
Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

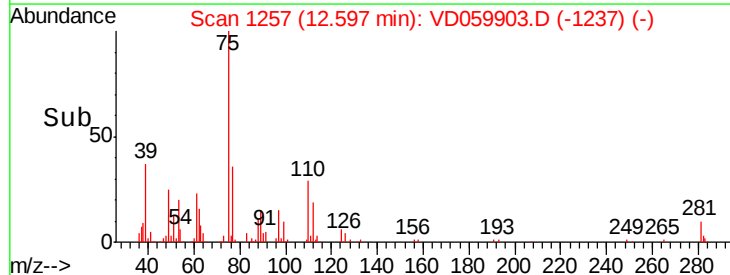
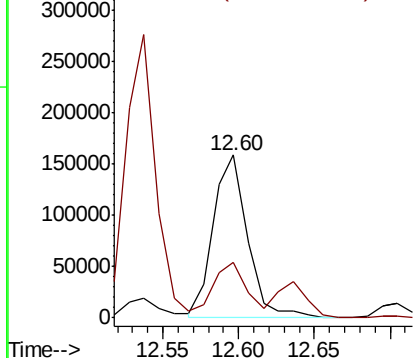
Tgt Ion: 75 Resp: 249471
Ion Ratio Lower Upper

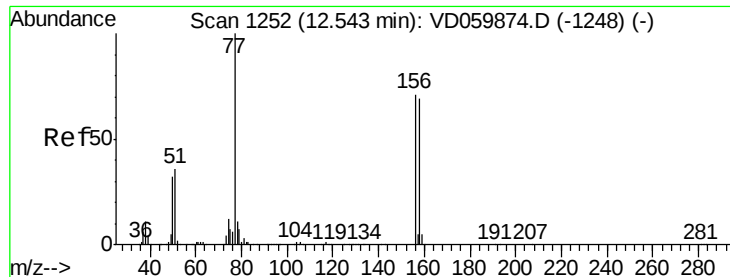
75 100

77 34.2 16.4 49.2



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





#77

Bromobenzene

Concen: 20.57 ug/l

RT: 12.54 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

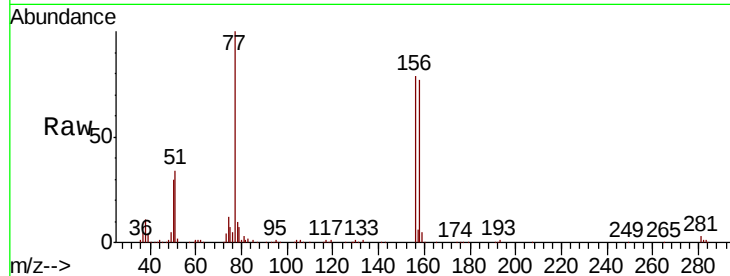
ClientSampleId :

VD0824SBS01

Tot Ion:	156	Resp:	287704
Ion Ratio	Lower	Upper	
156	100		
77	126.1	70.2	210.4
158	97.3	48.4	145.2

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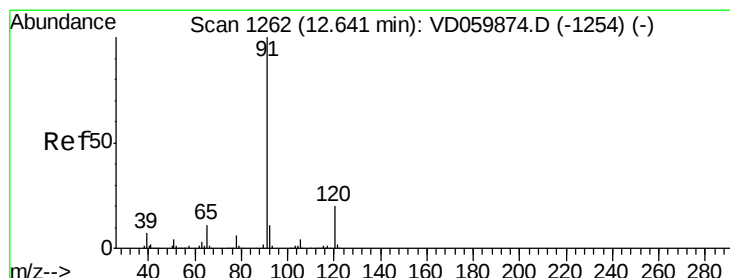
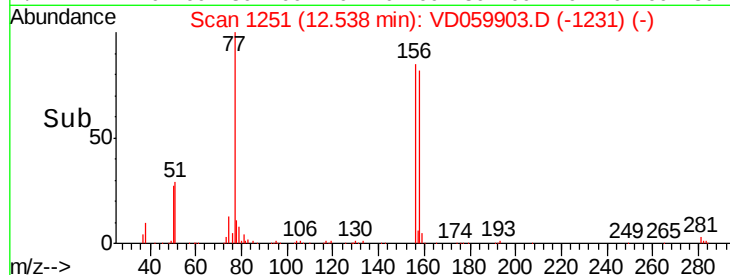
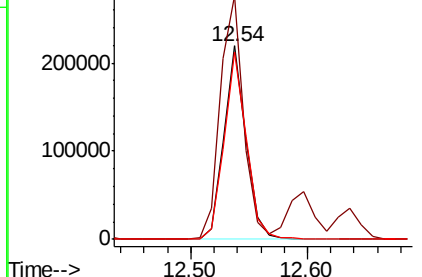
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.46 ug/l

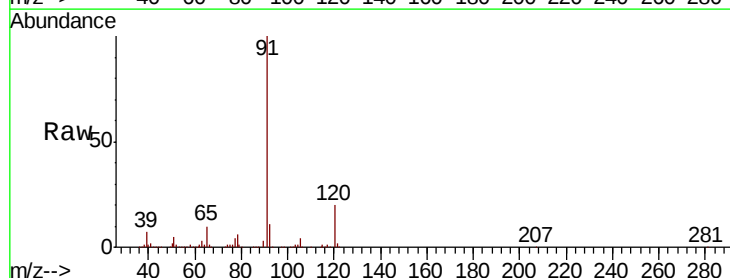
RT: 12.64 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059903.D

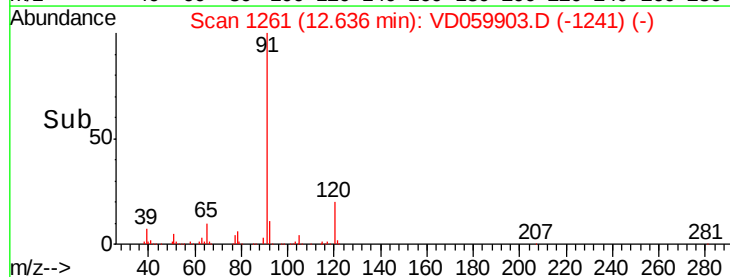
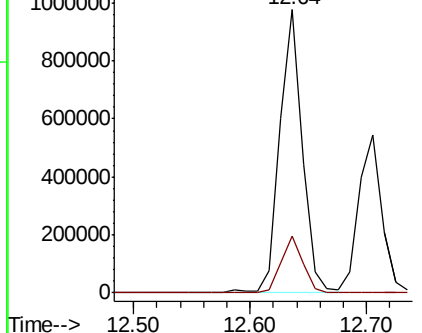
Acq: 24 Aug 2018 13:29

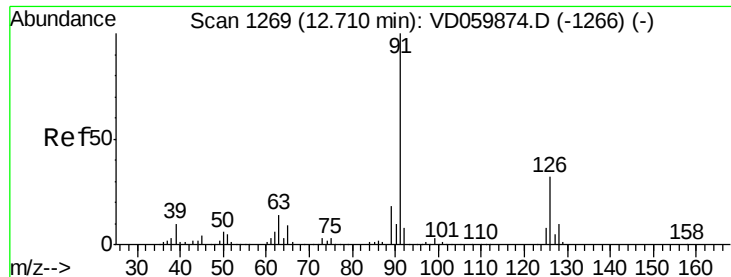
Tgt Ion:	91	Resp:	1307217
Ion Ratio	Lower	Upper	
91	100		
120	20.2	10.1	30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





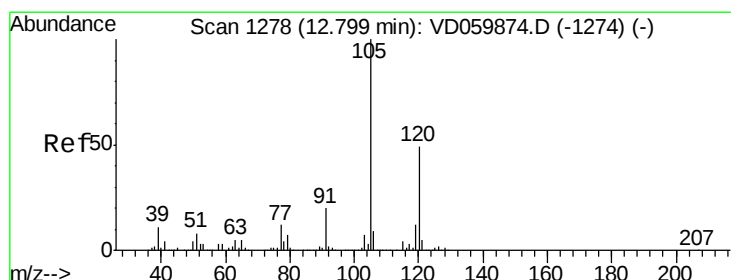
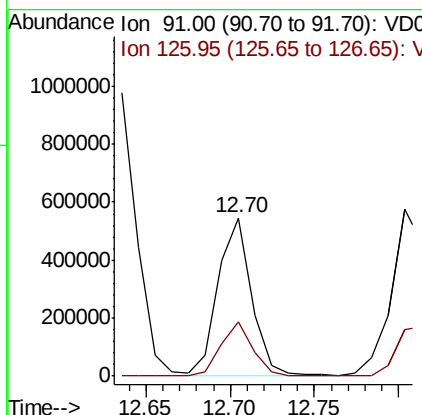
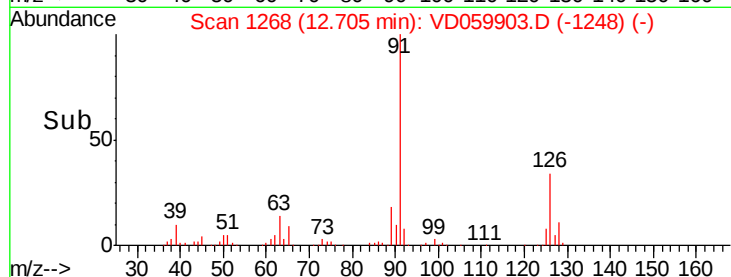
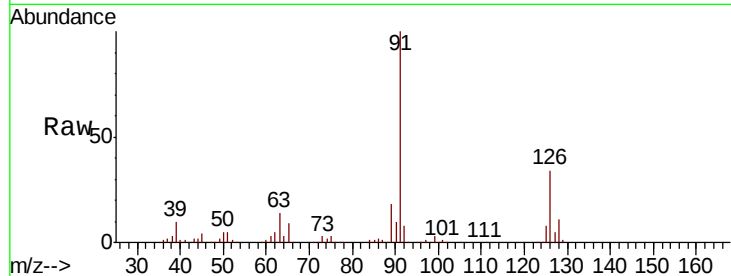
#79
2-Chlorotoluene
Concen: 20.73 ug/l
RT: 12.70 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

Tot Ion: 91 Resp: 749082
Ion Ratio Lower Upper
91 100
126 34.1 16.1 48.2

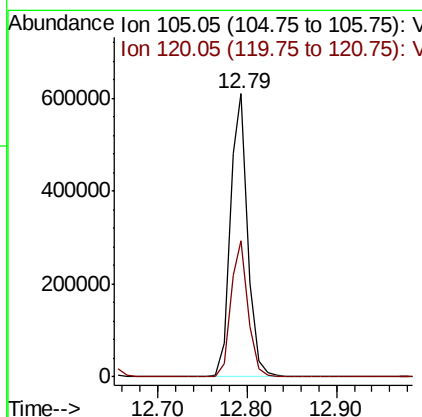
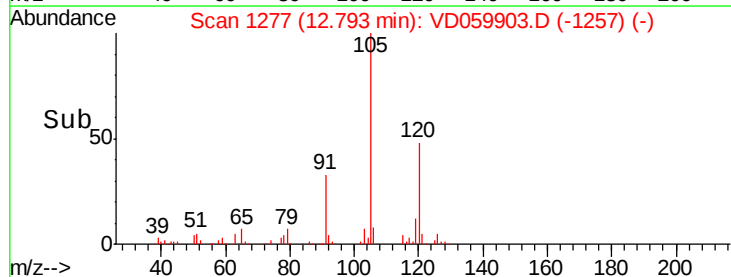
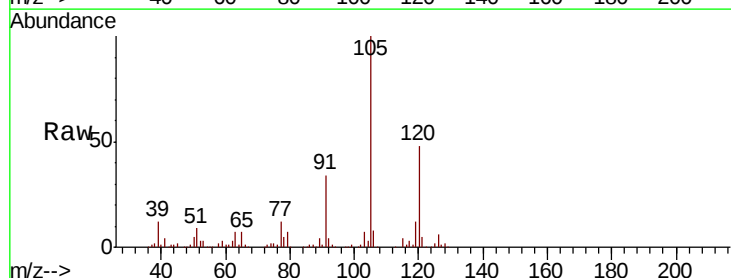
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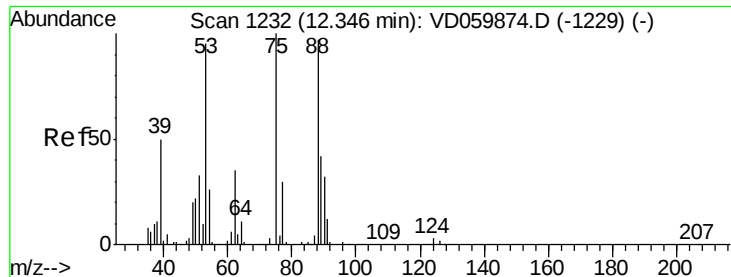
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#80
1,3,5-Trimethylbenzene
Concen: 20.91 ug/l
RT: 12.79 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion: 105 Resp: 838770
Ion Ratio Lower Upper
105 100
120 48.0 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.56 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBSD01

Tot Ion: 75 Resp: 70935

Ion Ratio Lower Upper

75 100

53 100.2 75.8 113.6

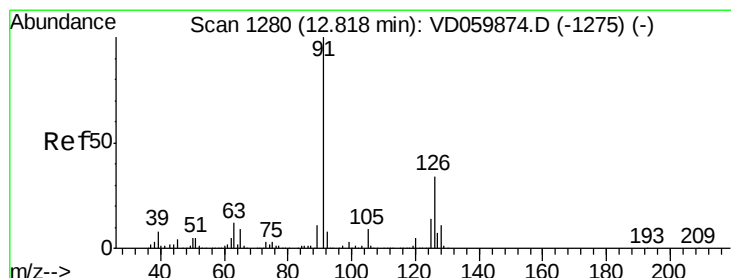
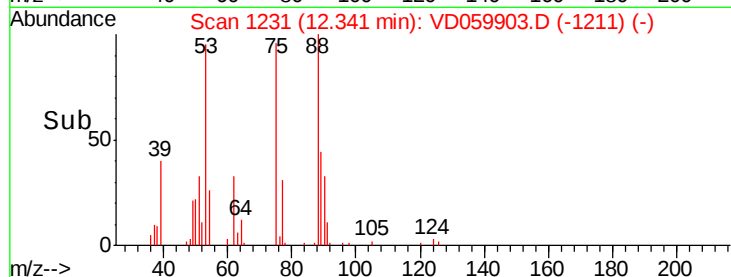
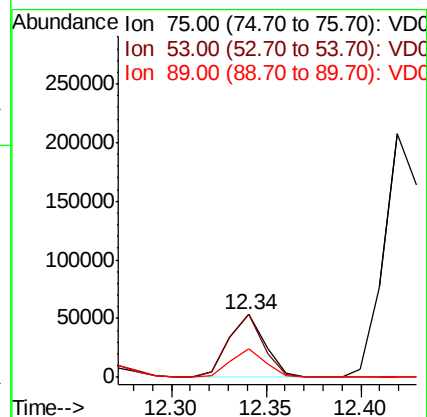
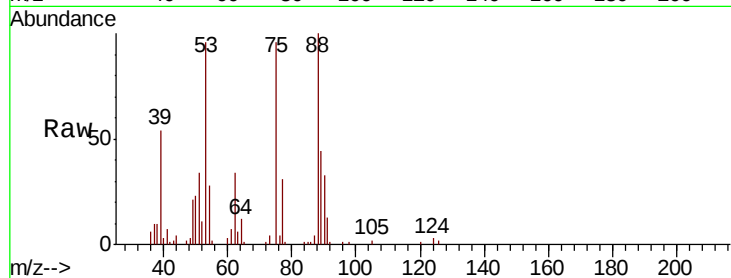
89 45.7 33.6 50.4

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#82

4-Chlorotoluene

Concen: 20.95 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059903.D

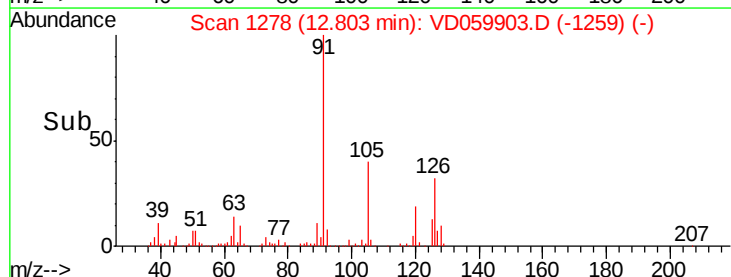
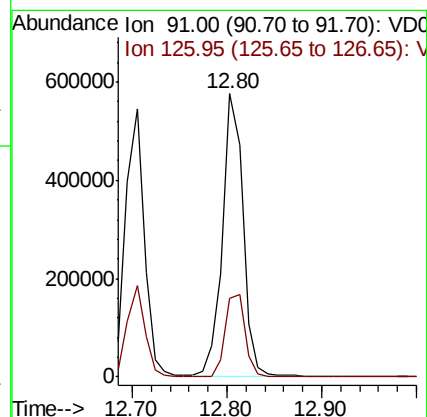
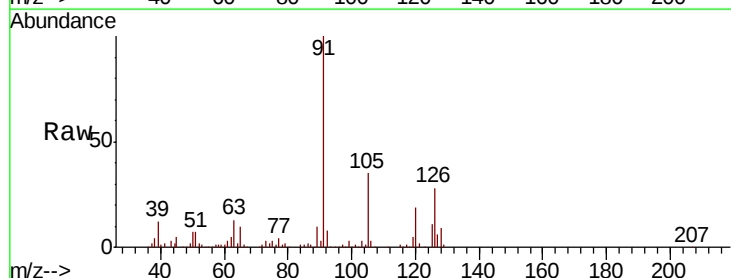
Acq: 24 Aug 2018 13:29

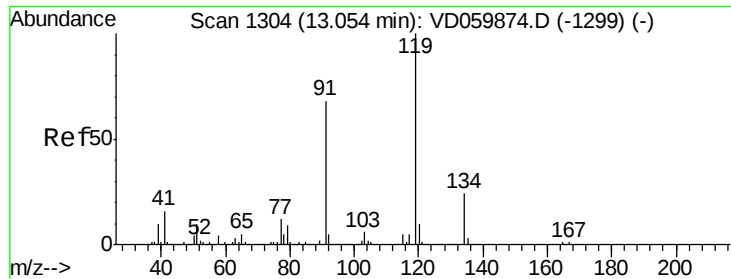
Tgt Ion: 91 Resp: 863277

Ion Ratio Lower Upper

91 100

126 27.9 17.1 51.2





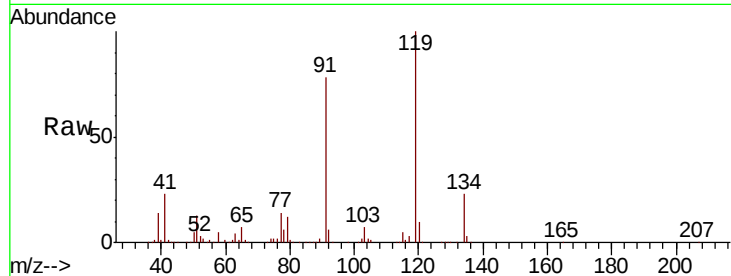
#83
tert-Butylbenzene
Concen: 20.57 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

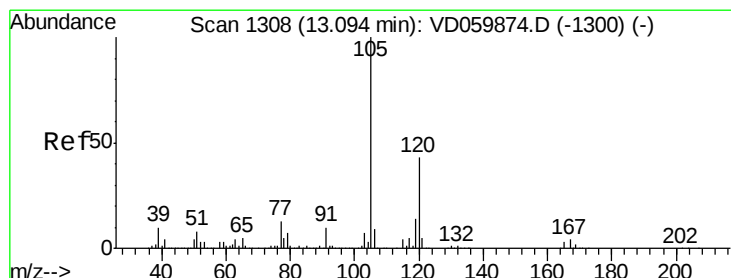
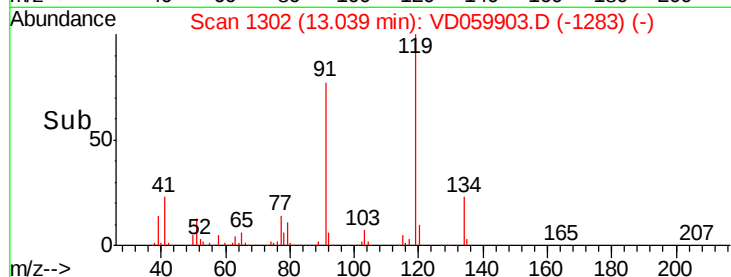
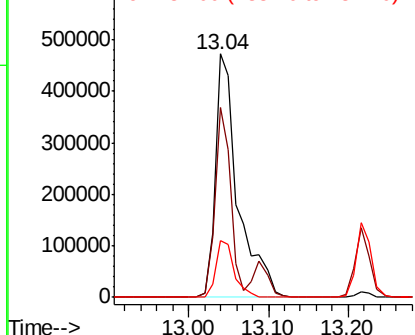
Tot Ion	Ratio	Resp	Lower	Upper
119	100	940119		
91	78.2	34.3	102.9	
134	23.3	11.9	35.9	

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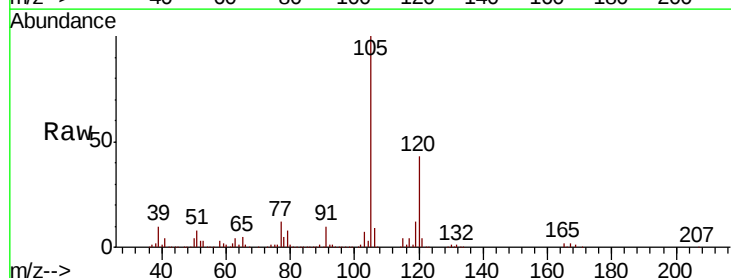


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): VD
Ion 134.00 (133.70 to 134.70): V

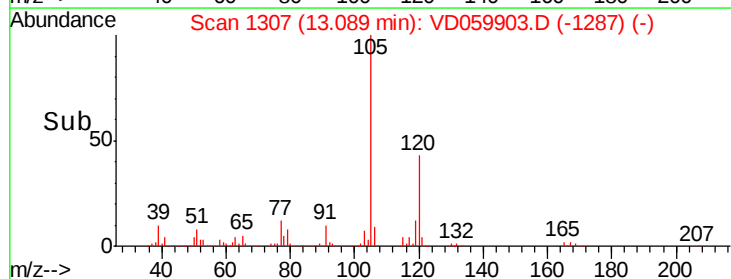
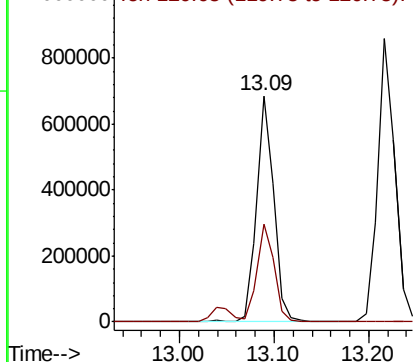


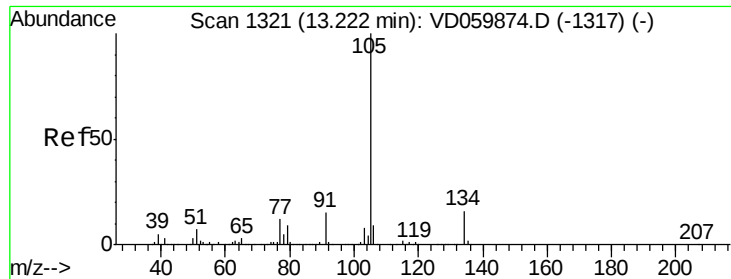
#84
1,2,4-Trimethylbenzene
Concen: 20.67 ug/l
RT: 13.09 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	864126		
120	43.1	21.8	65.3	



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





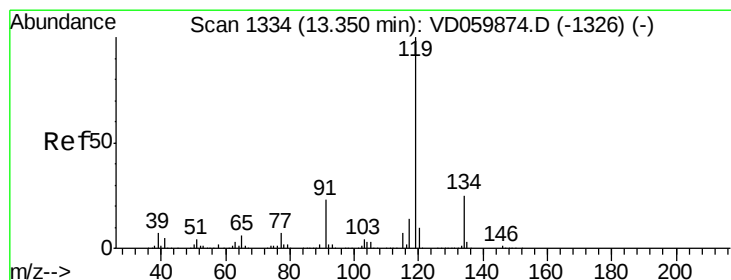
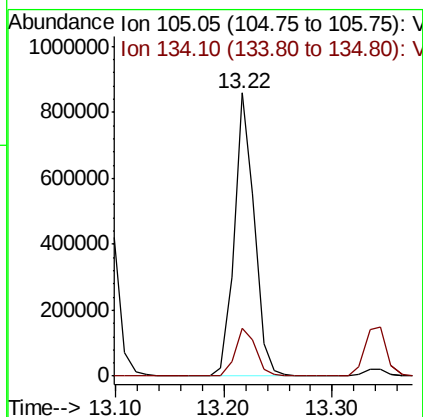
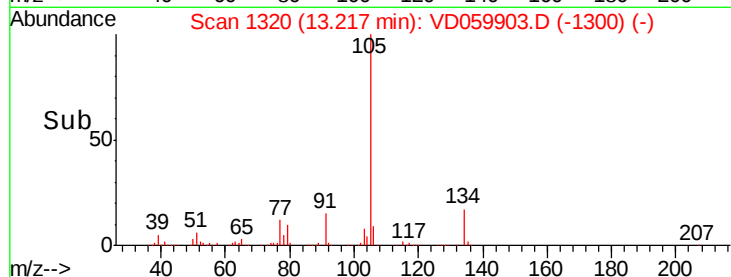
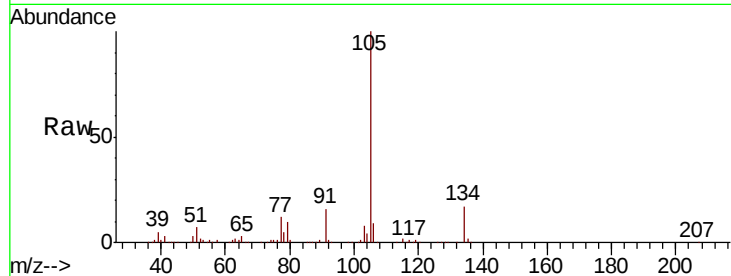
#85
 sec-Butylbenzene
 Concen: 20.42 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0824SBS01

Tot Ion:105 Resp: 1097247
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.4

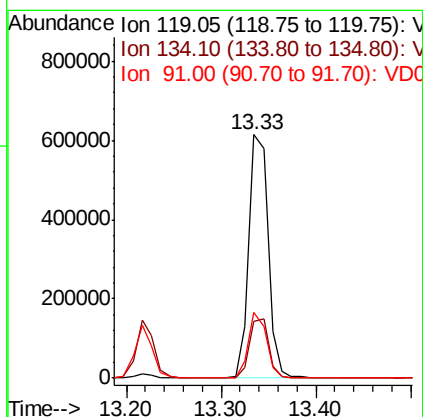
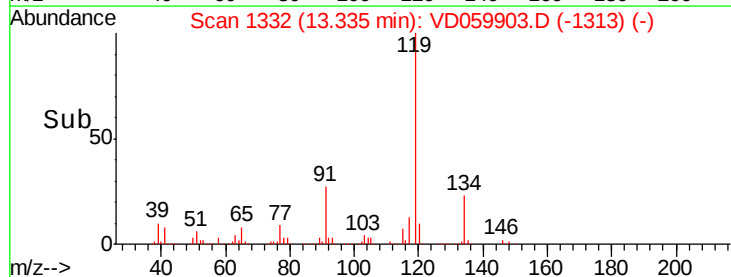
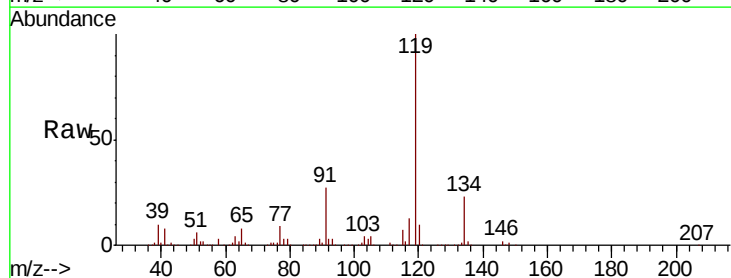
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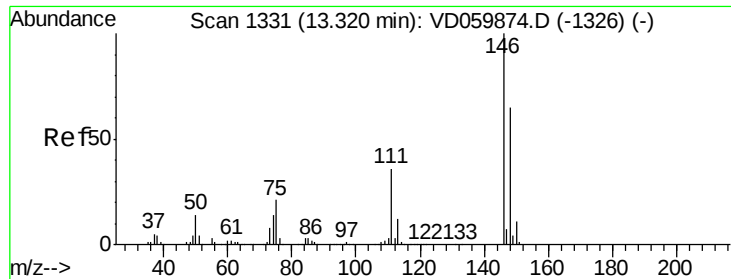
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#86
 p-Isopropyltoluene
 Concen: 19.92 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion:119 Resp: 870679
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.7 38.1
 91 27.0 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 20.89 ug/l

RT: 13.31 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Instrument :

MSVOA_D

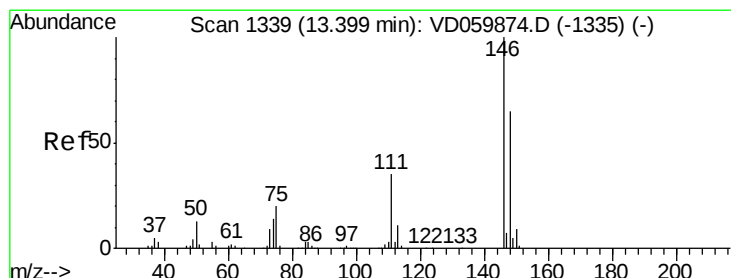
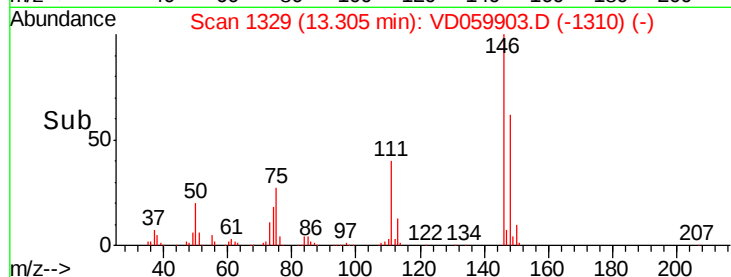
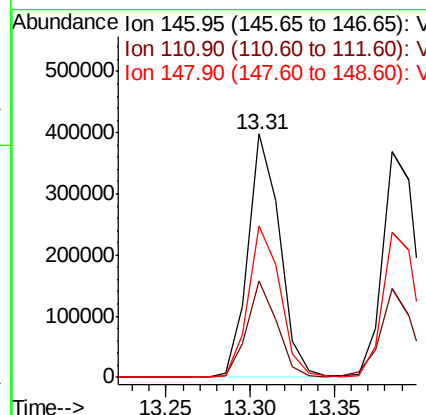
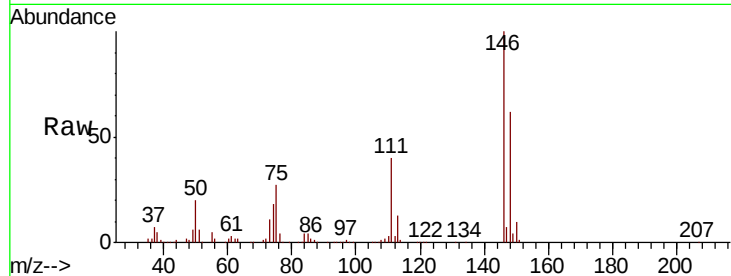
ClientSampleId :

VD0824SBSD01

Tot Ion:	146	Resp:	521679
Ion Ratio	Lower	Upper	
146	100		
111	39.7	17.9	53.7
148	62.3	32.4	97.0

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#88

1,4-Dichlorobenzene

Concen: 20.58 ug/l

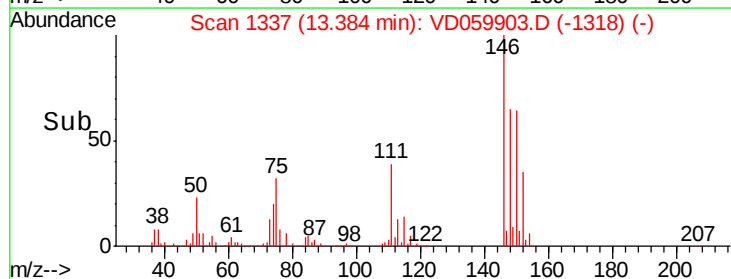
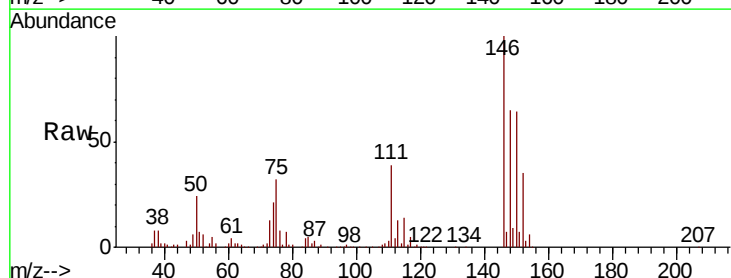
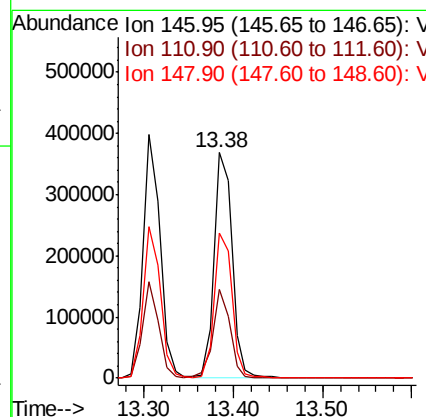
RT: 13.38 min Scan# 1337

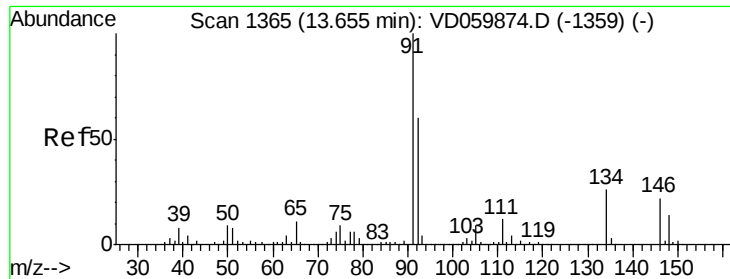
Delta R.T. -0.02 min

Lab File: VD059903.D

Acq: 24 Aug 2018 13:29

Tgt Ion:	146	Resp:	512823
Ion Ratio	Lower	Upper	
146	100		
111	39.3	17.5	52.6
148	64.5	32.5	97.5





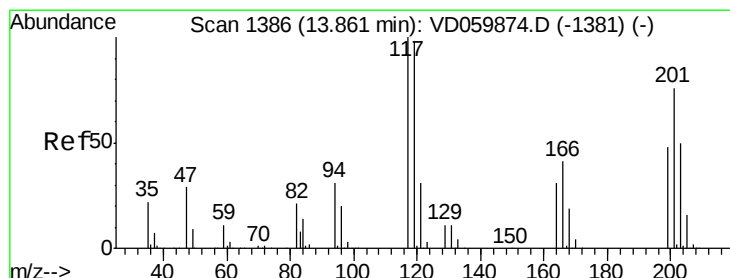
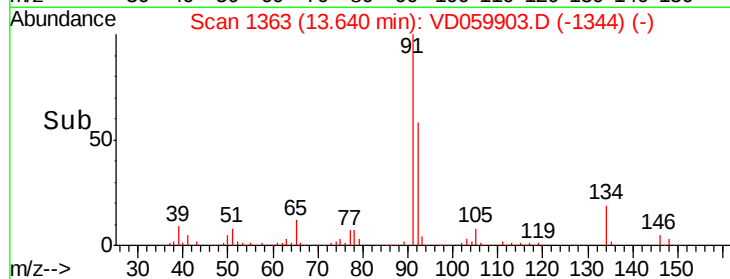
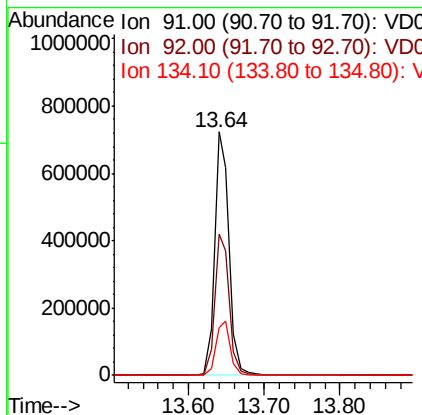
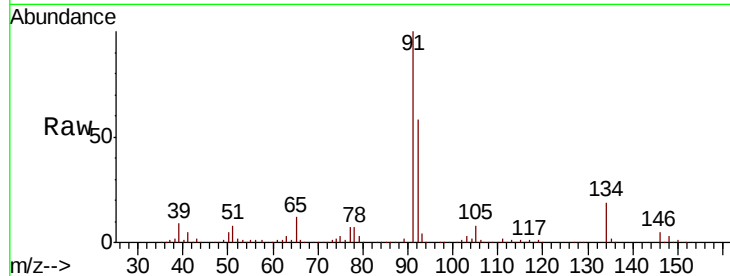
#89
n-Butylbenzene
Concen: 20.71 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.1	30.0	90.1
134	19.5	12.8	38.4

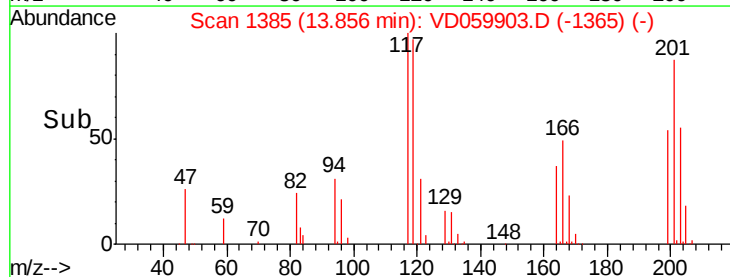
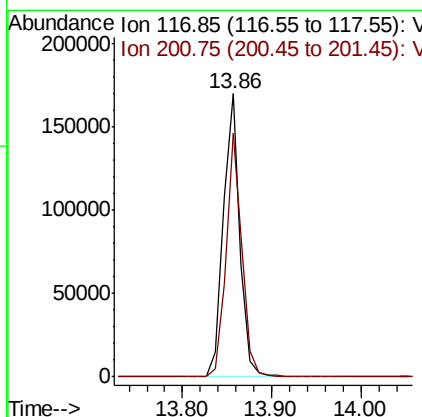
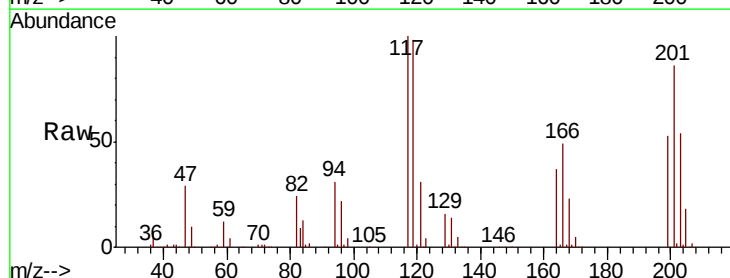
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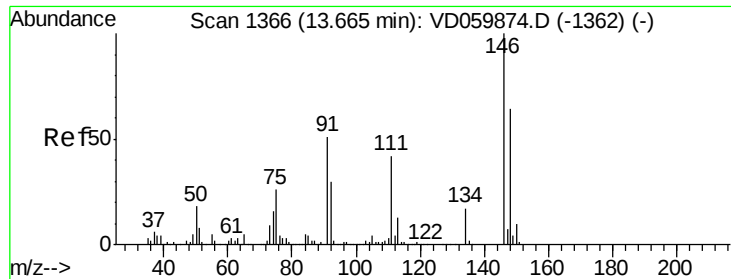
apatel
8/27/2018 10:48:40 AM



#90
Hexachloroethane
Concen: 18.98 ug/l
RT: 13.86 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	38.1	114.5





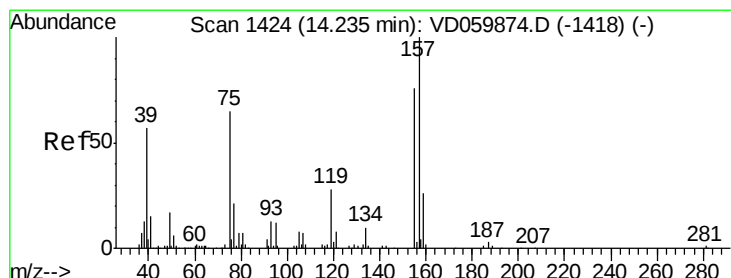
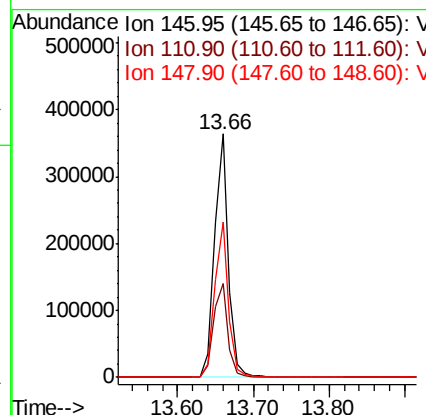
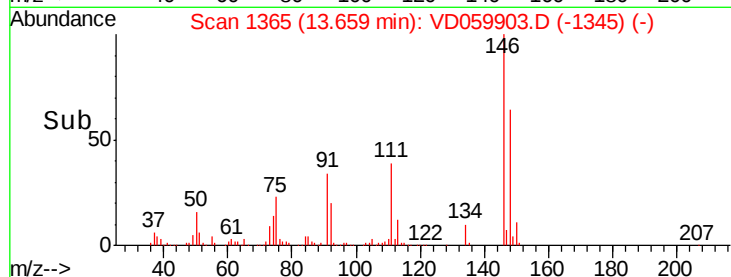
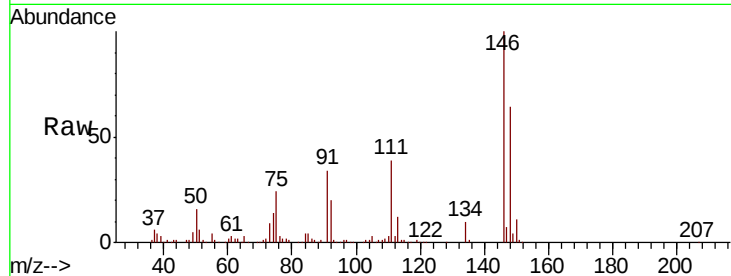
#91
 1,2-Dichlorobenzene
 Concen: 21.97 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.1	63.1
148	63.9	32.2	96.6

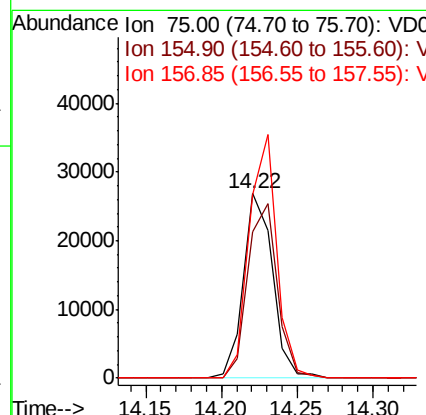
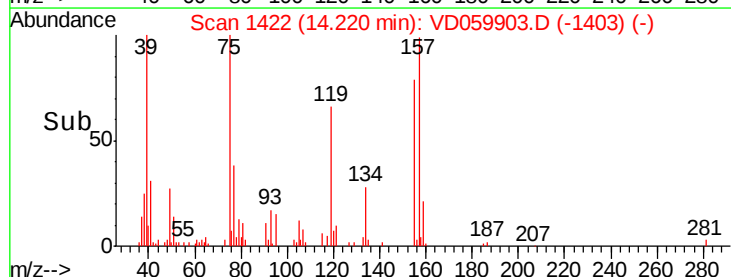
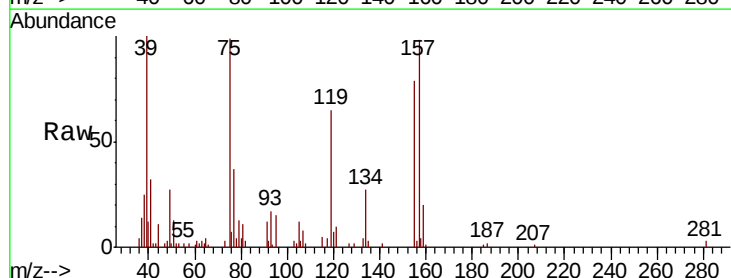
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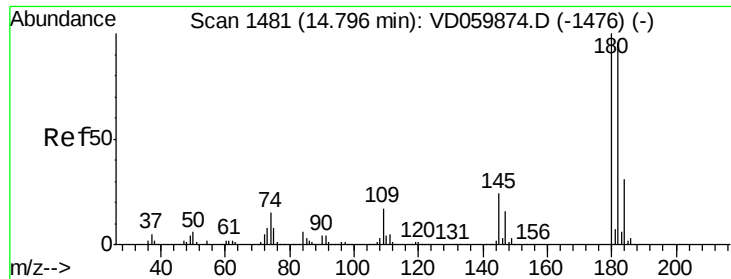
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.01 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	58.2	174.6
157	99.4	76.8	230.4





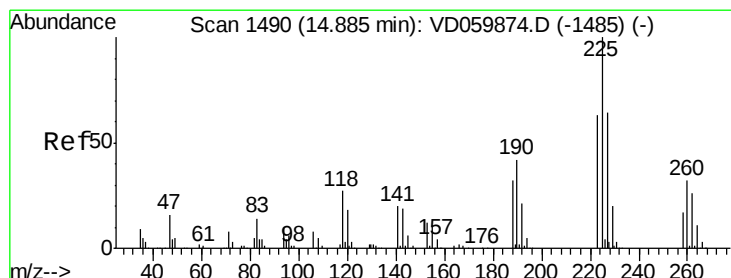
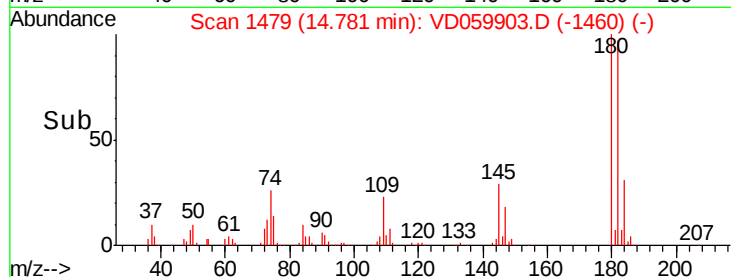
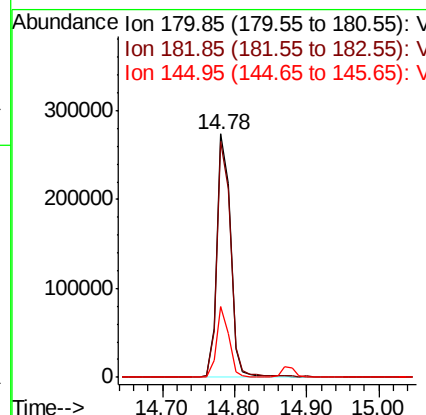
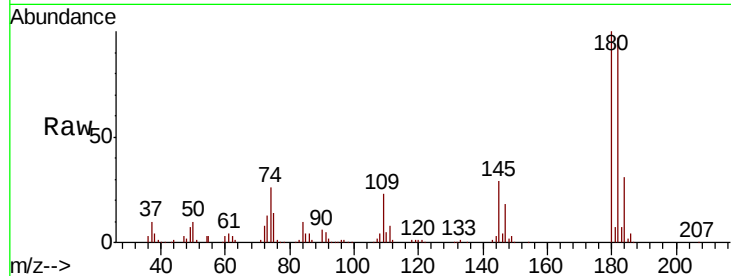
#93
 1,2,4-Trichlorobenzene
 Concen: 19.77 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	47.9	143.7	
145	29.1	12.2	36.4	

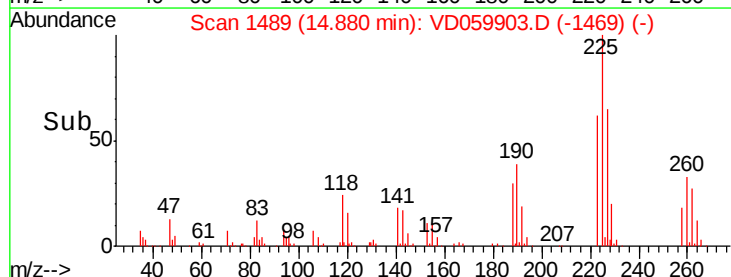
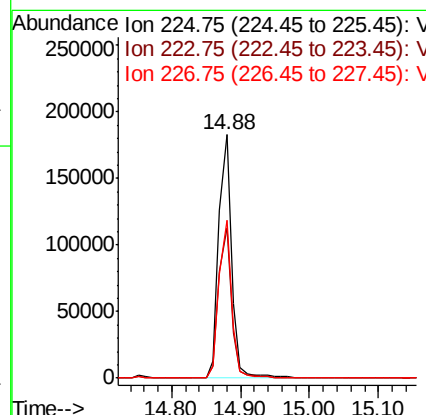
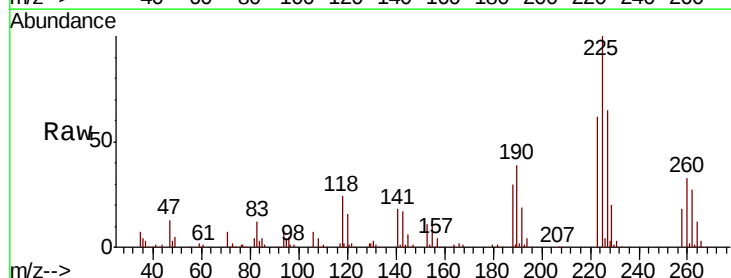
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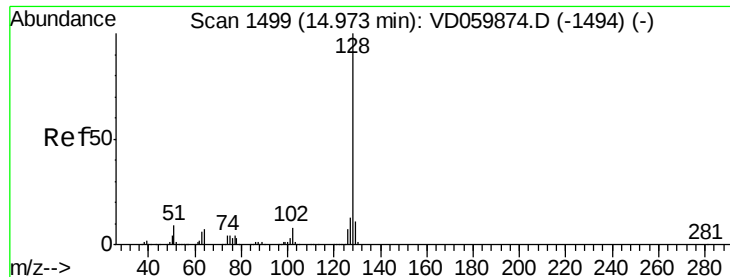
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#94
 Hexachlorobutadiene
 Concen: 20.00 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059903.D
 Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	31.6	94.8	
227	65.1	32.0	96.0	





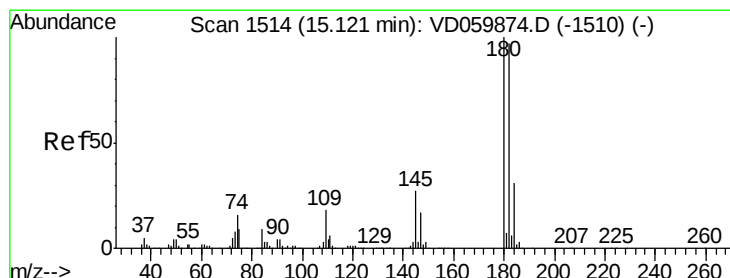
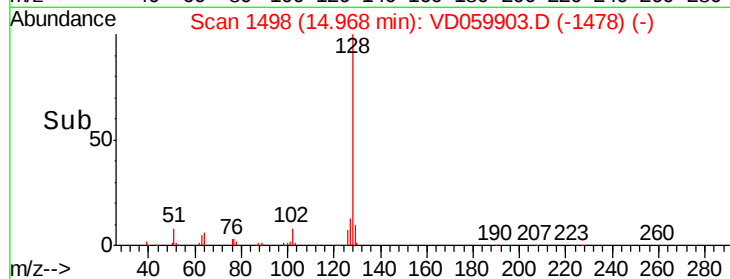
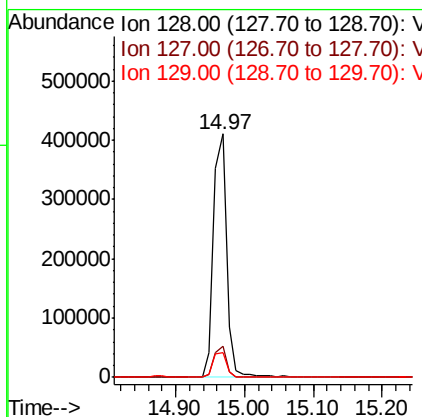
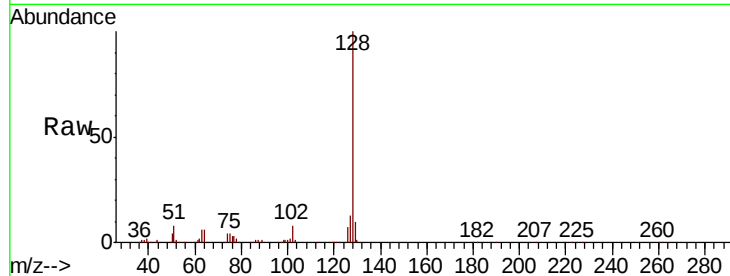
#95
Naphthalene
Concen: 19.81 ug/l
RT: 14.97 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	550538		
127	12.6		10.0	15.0
129	10.2		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.94 ug/l
RT: 15.12 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059903.D
Acq: 24 Aug 2018 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	310139		
182	95.1		48.6	145.8
145	25.3		13.6	40.8

