

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066898.D
 Acq On : 26 Sep 2020 04:01
 Operator : VA/SY
 Sample : L4154-08
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-5(5-7)

Quant Time: Sep 26 06:40:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	473358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	809544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	807555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	372874	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	232195	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
35) Dibromofluoromethane	7.91	113	248737	48.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.60%	
50) Toluene-d8	10.34	98	969304	55.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.48%	
62) 4-Bromofluorobenzene	12.63	95	355767	59.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.44%	

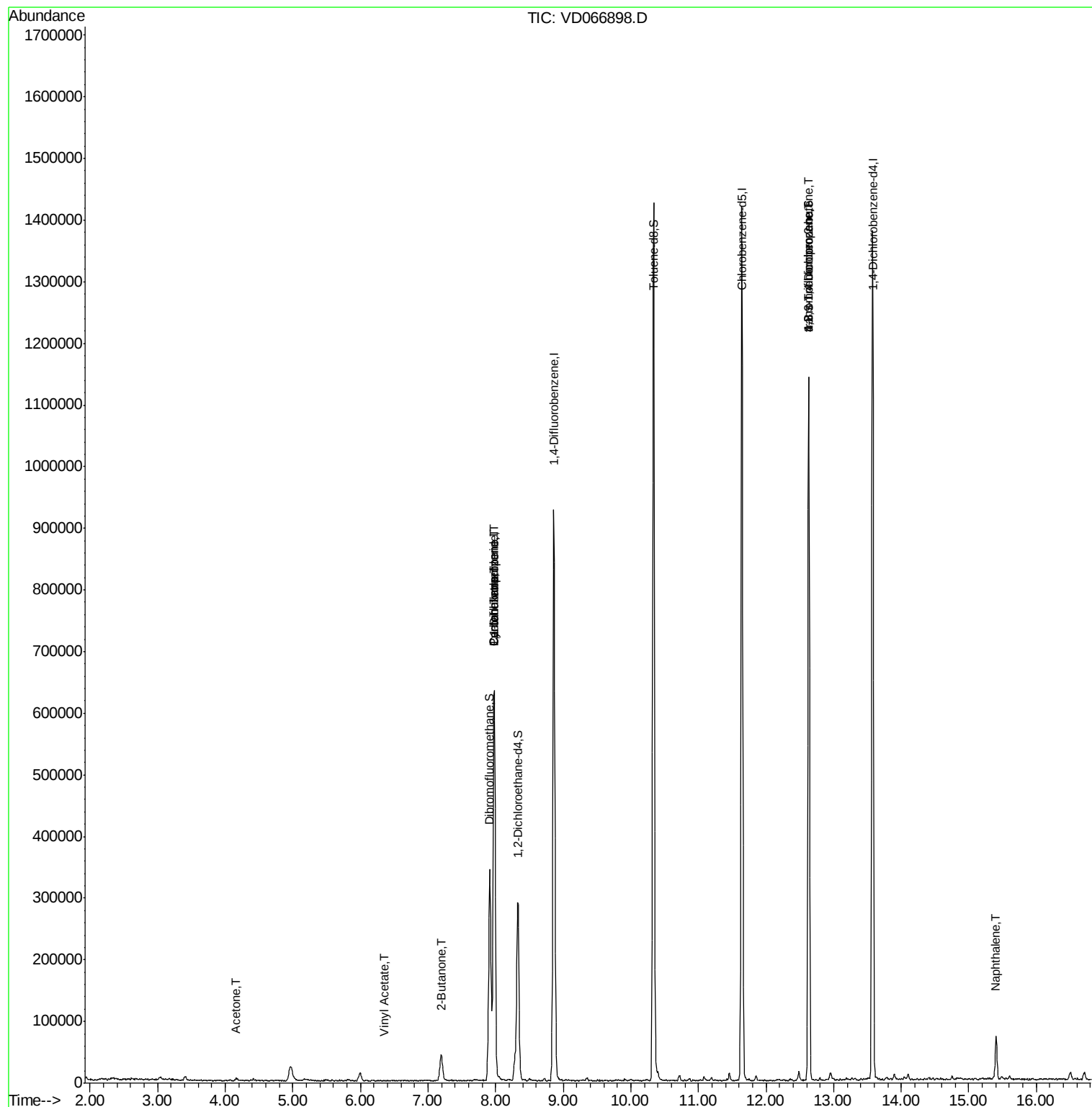
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	607	Below Cal	#	68
11) Tert butyl alcohol	5.17	59	1158	Below Cal	#	72
16) Acetone	4.16	43	5957	6.061	ug/l #	88
18) Methyl Acetate	4.58	43	55	Below Cal	#	50
20) Methylene Chloride	4.98	84	19085	Below Cal	#	87
23) Vinyl Acetate	6.35	43	70	2.681	ug/l #	71
25) 2-Butanone	7.20	43	2066	1.749	ug/l #	76
31) Cyclohexane	7.99	56	11966	1.420	ug/l #	40
36) 1,1-Dichloropropene	7.98	75	38563	4.802	ug/l #	50
38) Carbon Tetrachloride	7.97	117	48633	5.539	ug/l #	20
76) 1,2,3-Trichloropropane	12.63	75	183386	59.347	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	183386	148.480	ug/l #	10
95) Naphthalene	15.40	128	64126	5.635	ug/l	99

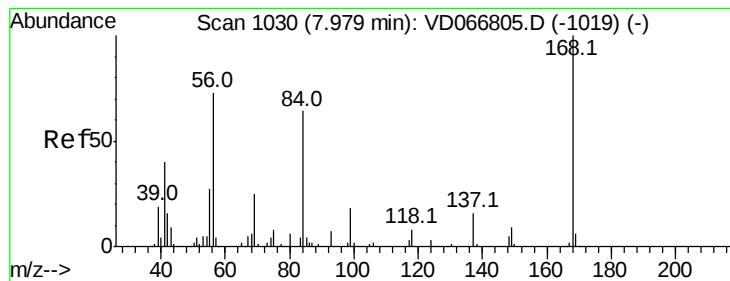
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066898.D

Acq: 26 Sep 2020 04:01

Instrument :

MSVOA_D

ClientSampleId :

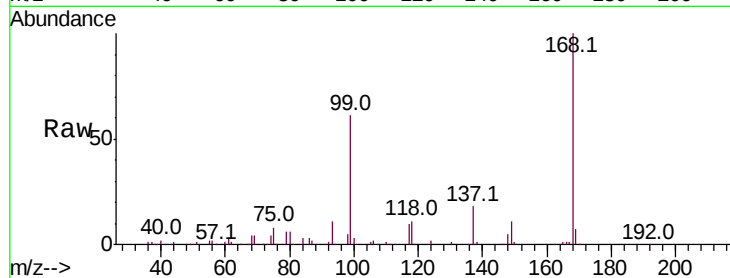
B-5(5-7)

Tot Ion:168 Resp: 473358

Ion Ratio Lower Upper

168 100

99 60.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

200000

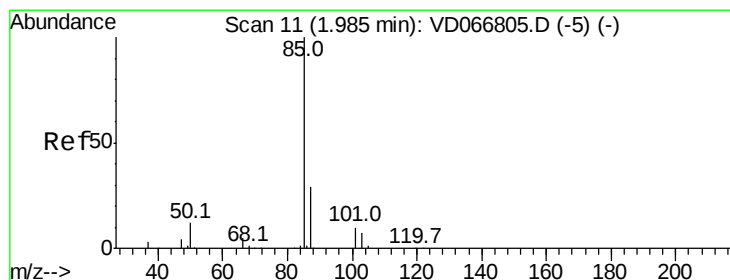
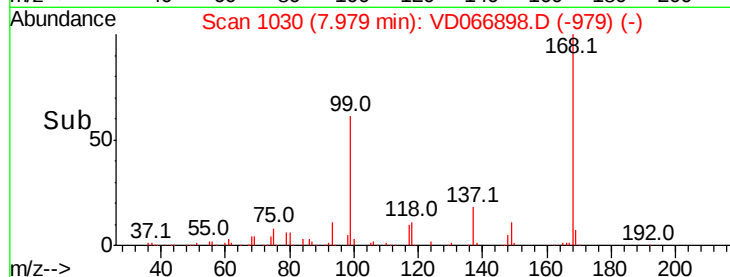
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066898.D

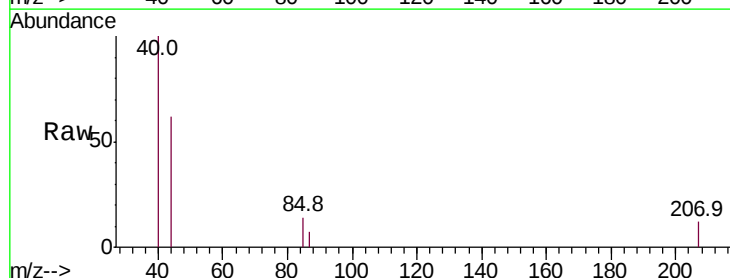
Acq: 26 Sep 2020 04:01

Tgt Ion: 85 Resp: 607

Ion Ratio Lower Upper

85 100

87 46.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

500

400

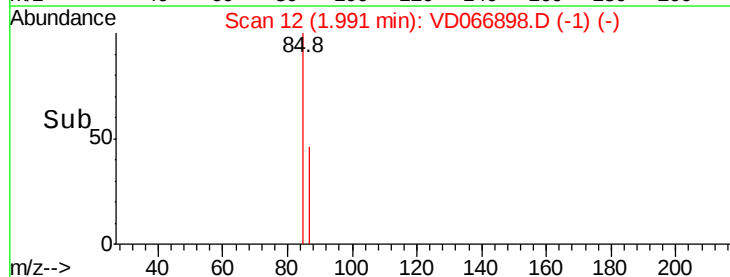
300

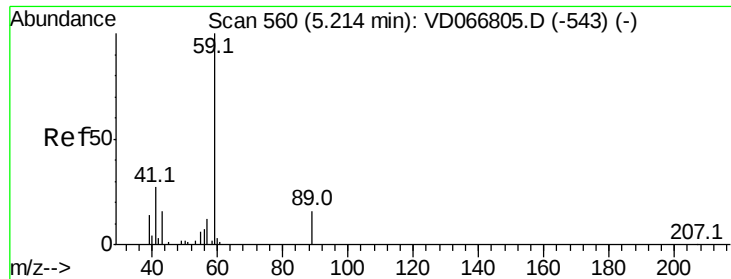
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100

0

Time-->

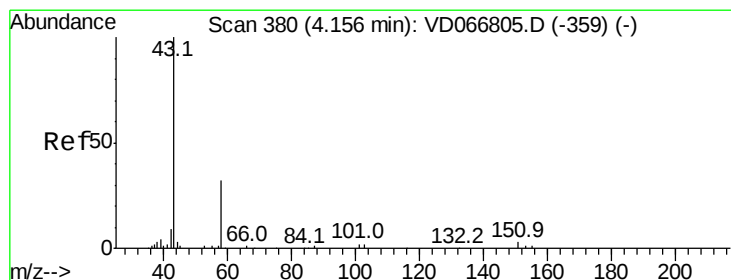
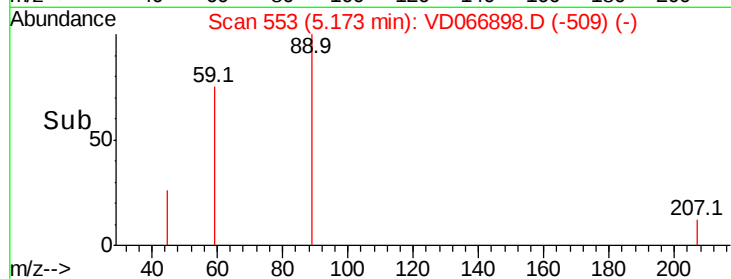
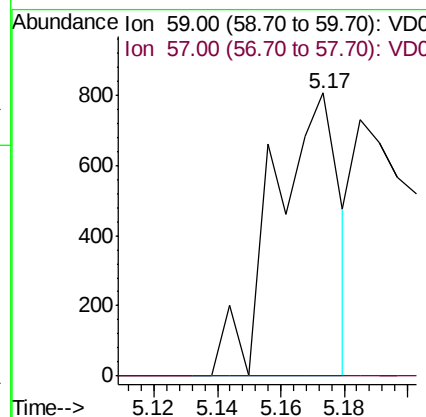
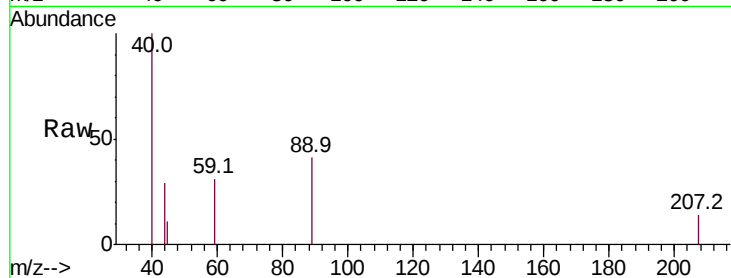




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 553
Delta R.T. -0.04 min
Lab File: VD066898.D
Acq: 26 Sep 2020 04:01

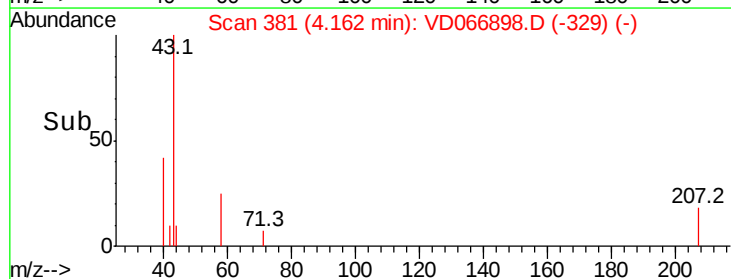
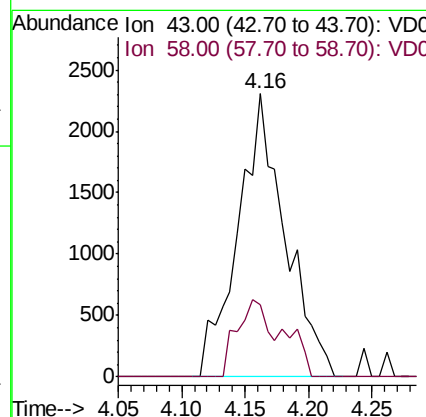
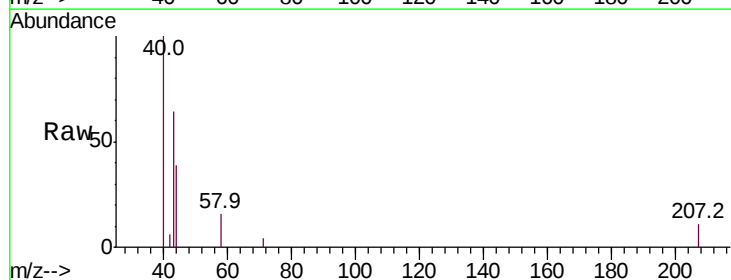
Instrument :
MSVOA_D
ClientSampleId :
B-5(5-7)

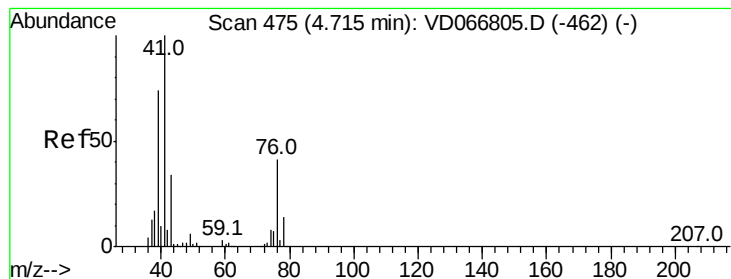
Tot Ion: 59 Resp: 1158
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.061 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066898.D
Acq: 26 Sep 2020 04:01

Tgt Ion: 43 Resp: 5957
Ion Ratio Lower Upper
43 100
58 25.4 25.6 38.4#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.58 min Scan# 452

Delta R.T. -0.13 min

Lab File: VD066898.D

Acq: 26 Sep 2020 04:01

Instrument :

MSVOA_D

ClientSampleId :

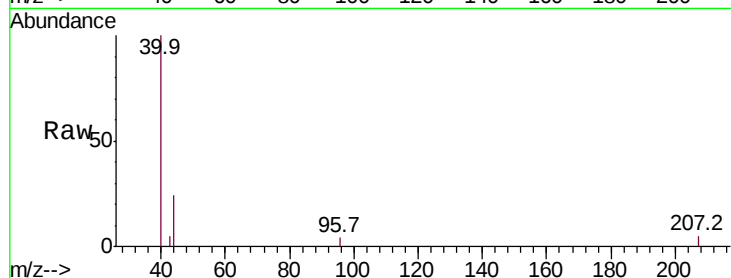
B-5(5-7)

Tot Ion: 43 Resp: 55

Ion Ratio Lower Upper

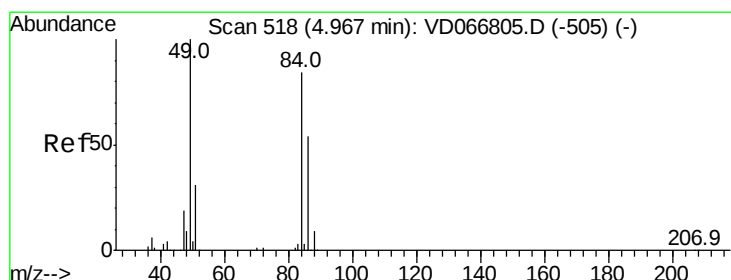
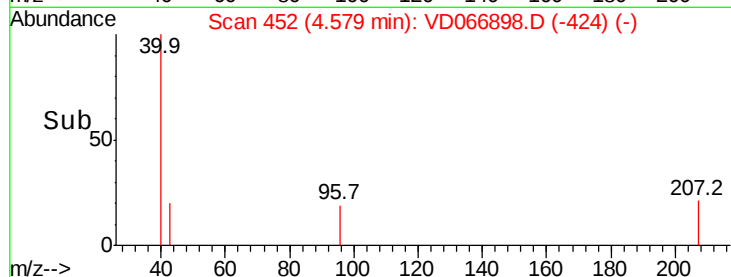
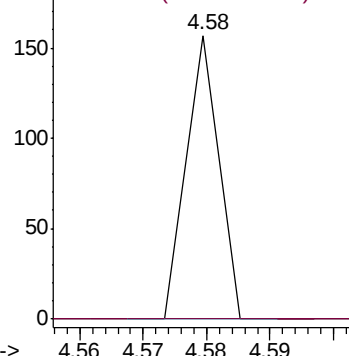
43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.01 min

Lab File: VD066898.D

Acq: 26 Sep 2020 04:01

Tgt Ion: 84 Resp: 19085

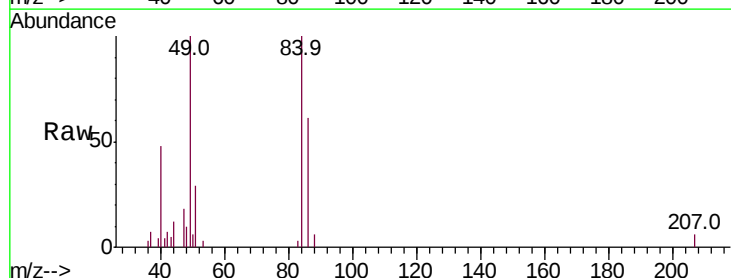
Ion Ratio Lower Upper

84 100

49 99.6 95.4 143.2

51 29.5 29.7 44.5#

86 60.7 51.4 77.2

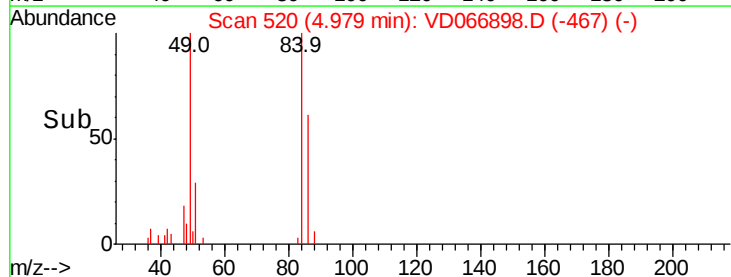
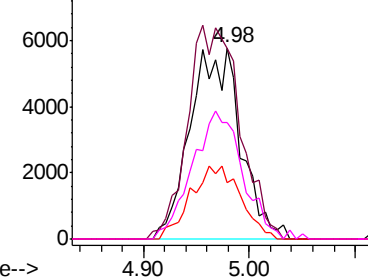


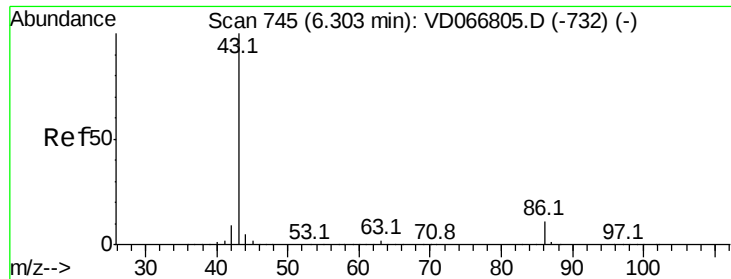
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#23

Vinyl Acetate

Concen: 2.681 ug/l

RT: 6.35 min Scan# 753

Delta R.T. 0.05 min

Lab File: VD066898.D

Acq: 26 Sep 2020 04:01

Instrument :

MSVOA_D

ClientSampleId :

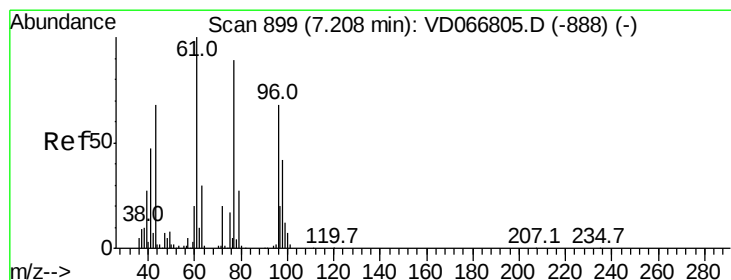
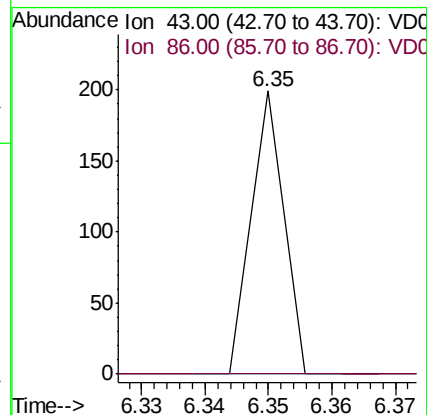
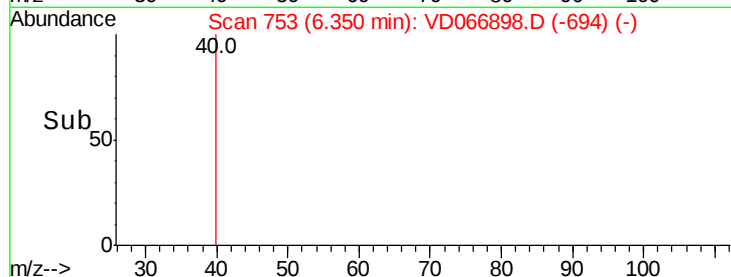
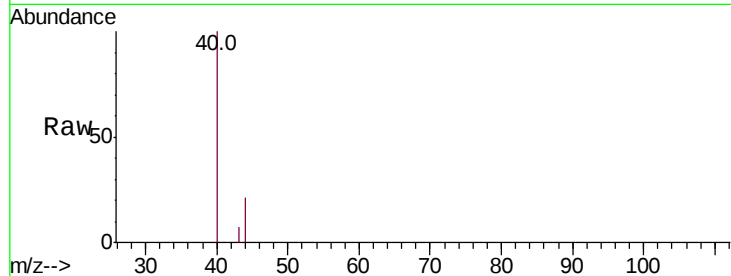
B-5(5-7)

Tot Ion: 43 Resp: 70

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



#25

2-Butanone

Concen: 1.749 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066898.D

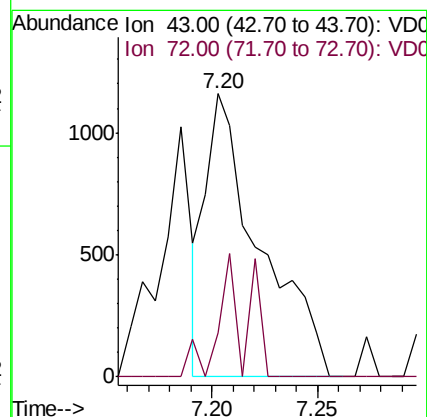
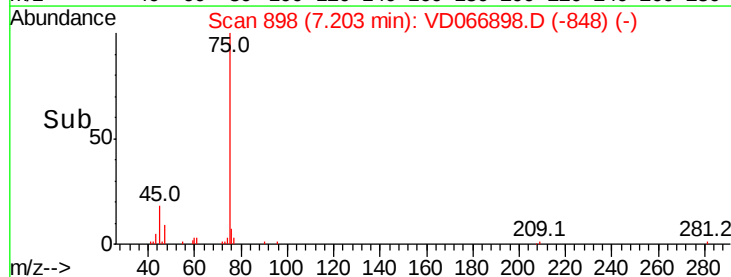
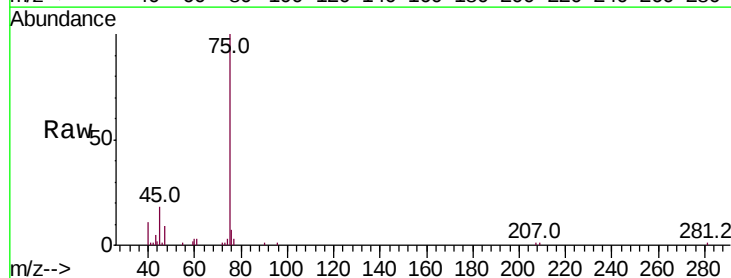
Acq: 26 Sep 2020 04:01

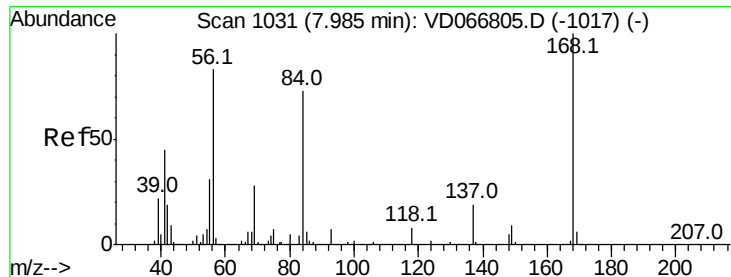
Tgt Ion: 43 Resp: 2066

Ion Ratio Lower Upper

43 100

72 15.6 22.9 34.3#

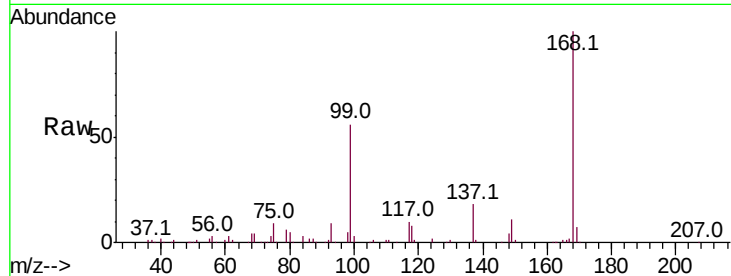




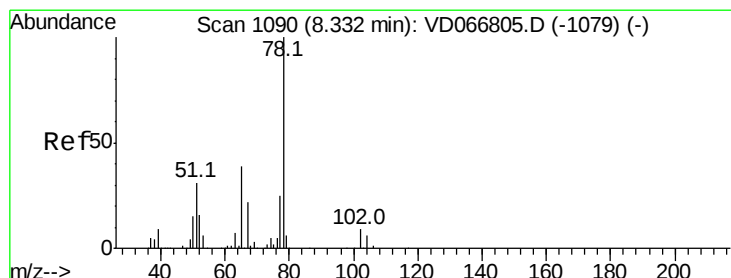
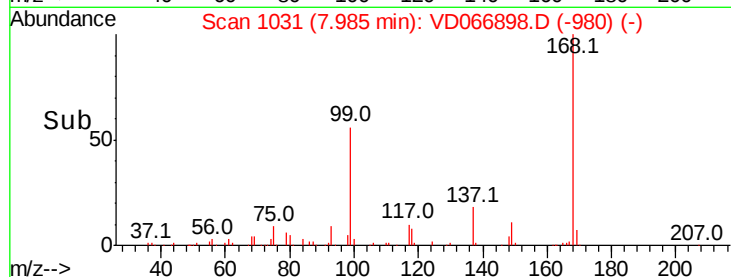
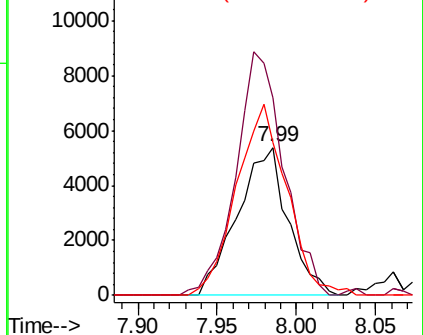
#31
Cyclohexane
Concen: 1.420 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066898.D
Acq: 26 Sep 2020 04:01

Instrument :
MSVOA_D
ClientSampleId :
B-5(5-7)

Tot Ion: 56 Resp: 11966
Ion Ratio Lower Upper
56 100
69 132.9 27.0 40.4#
84 103.0 70.2 105.4

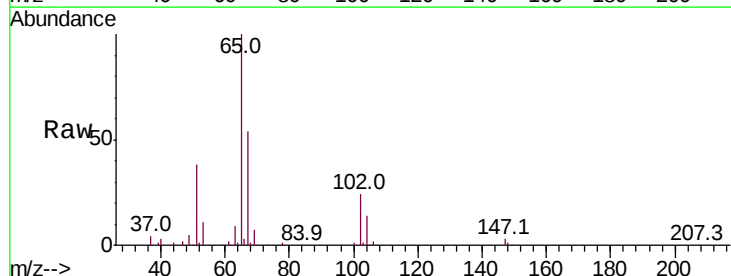


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

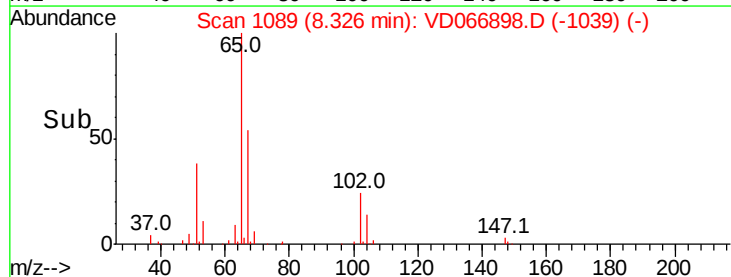
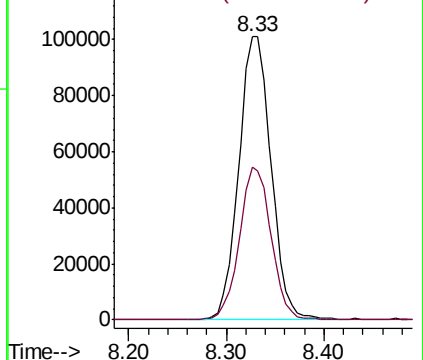


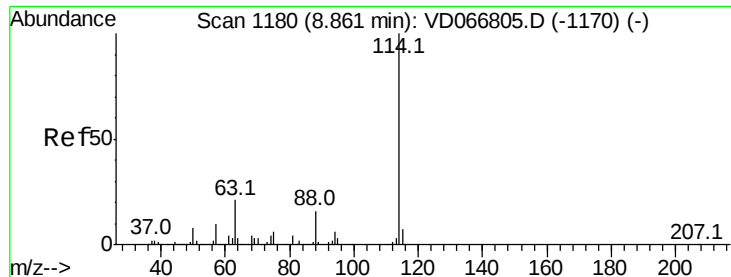
#33
1,2-Dichloroethane-d4
Concen: 50.117 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066898.D
Acq: 26 Sep 2020 04:01

Tgt Ion: 65 Resp: 232195
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

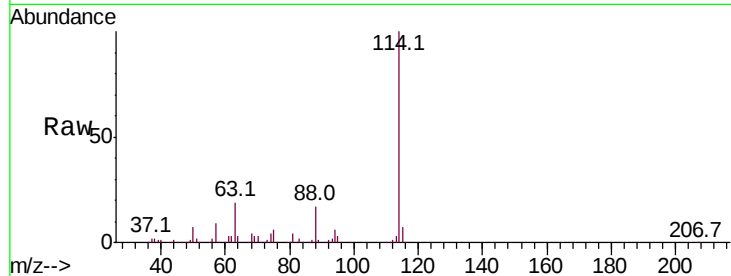




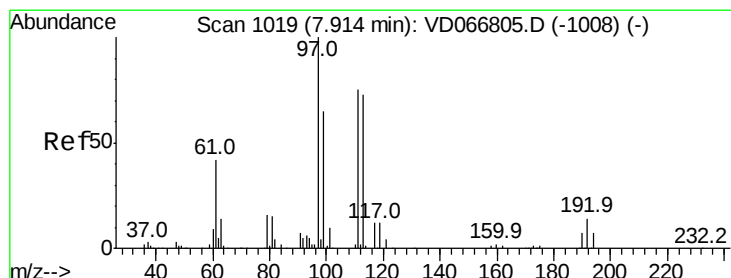
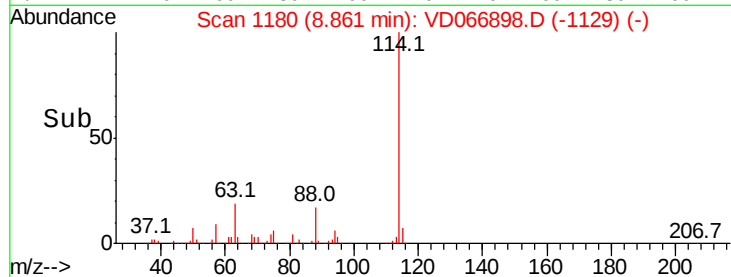
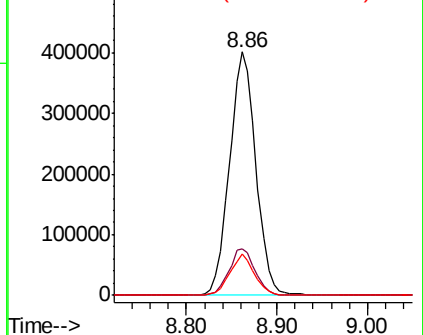
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066898.D
 Acq: 26 Sep 2020 04:01

Instrument :
 MSVOA_D
 ClientSampled :
 B-5(5-7)

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	42.6
88	17.0	0.0	32.6

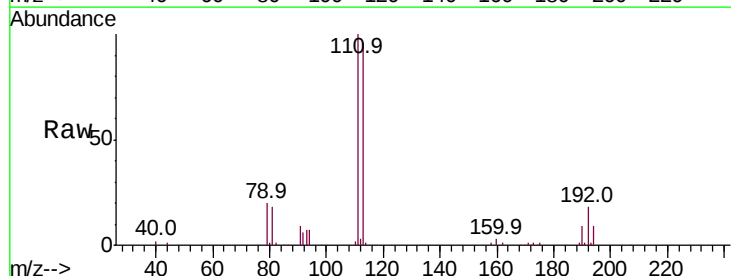


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

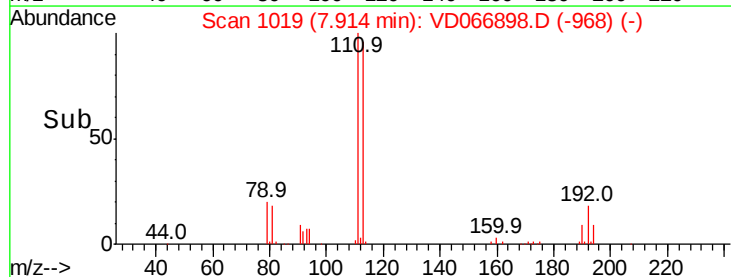
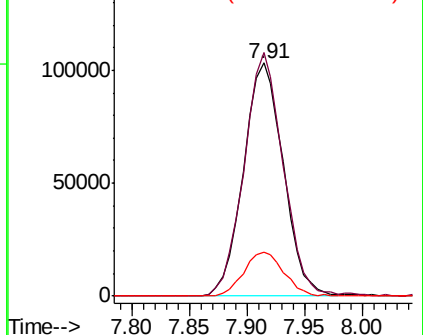


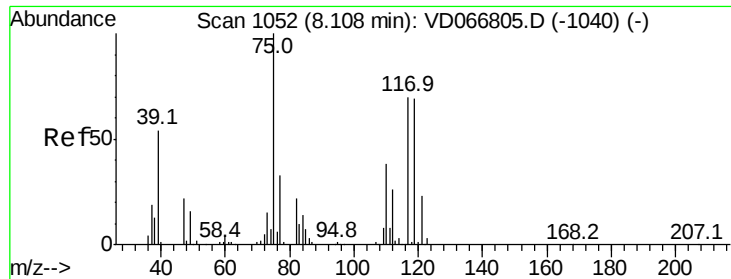
#35
 Dibromofluoromethane
 Concen: 48.295 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066898.D
 Acq: 26 Sep 2020 04:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.8
192	19.0	14.4	21.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

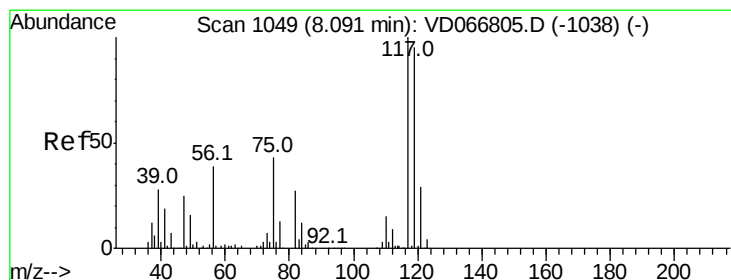
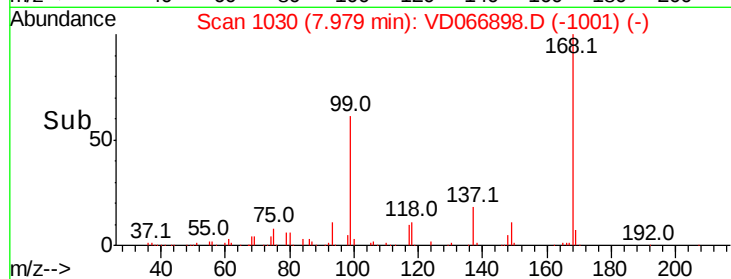
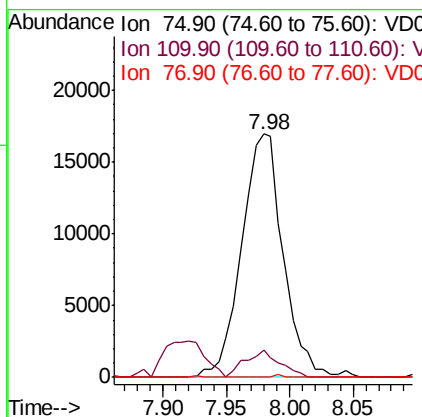
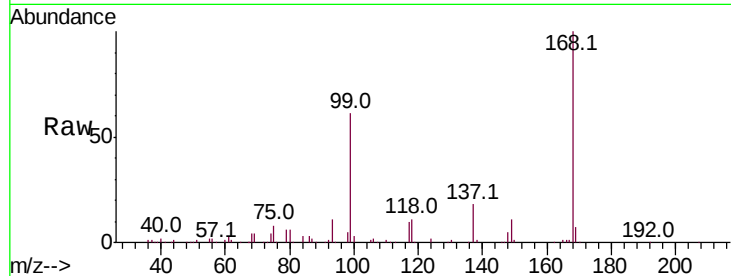




#36
 1,1-Dichloropropene
 Concen: 4.802 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066898.D
 Acq: 26 Sep 2020 04:01

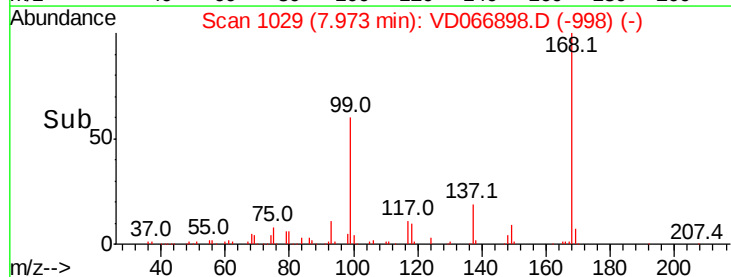
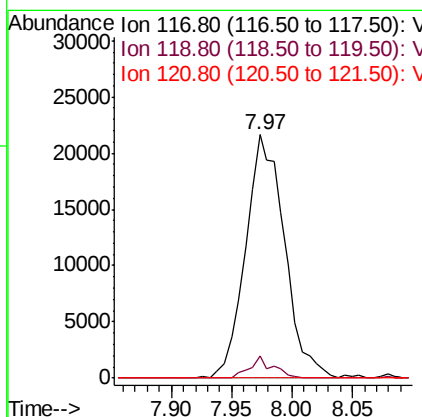
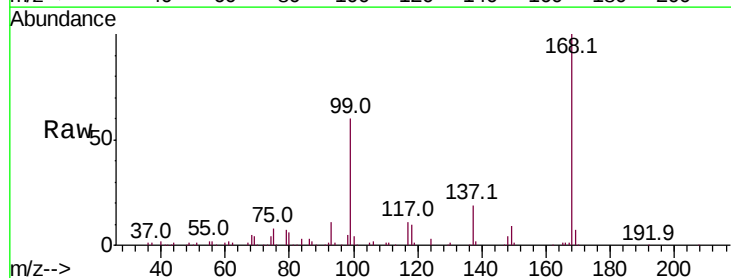
Instrument :
 MSVOA_D
 ClientSampleId :
 B-5(5-7)

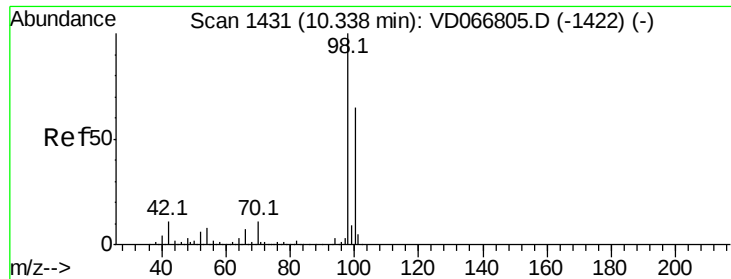
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.9	53.8#
77	0.2	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.539 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066898.D
 Acq: 26 Sep 2020 04:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	9.2	75.8	113.8#
121	0.0	23.4	35.0#

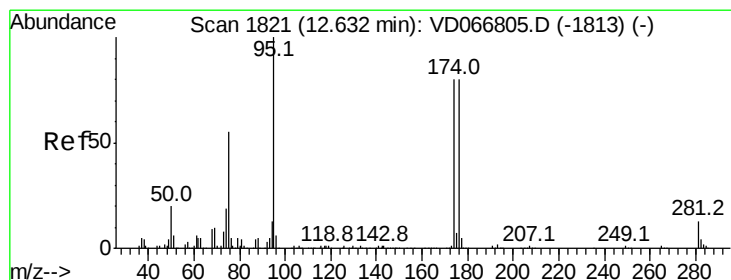
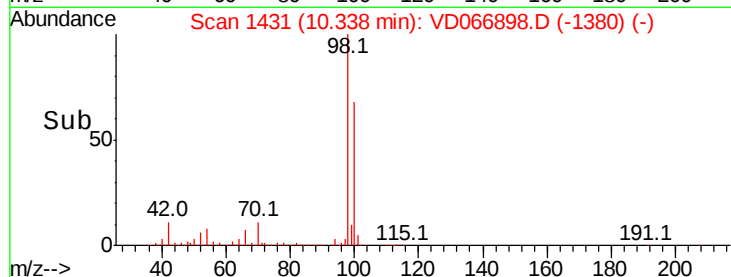
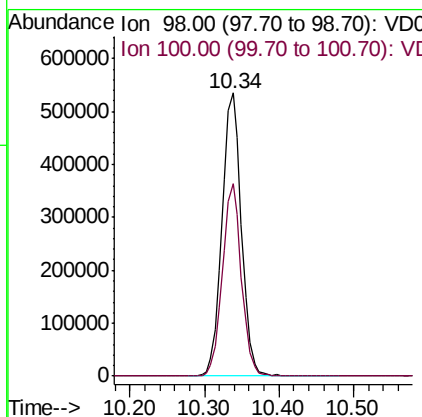
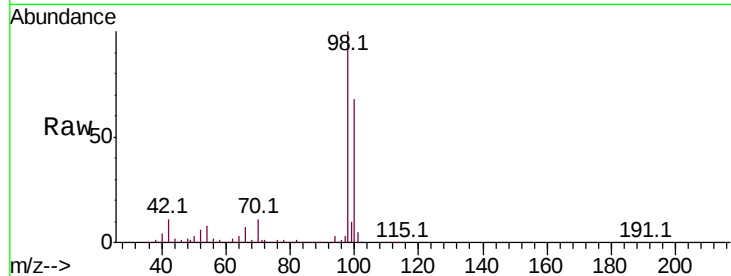




#50
Toluene-d8
Concen: 55.237 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066898.D
Acq: 26 Sep 2020 04:01

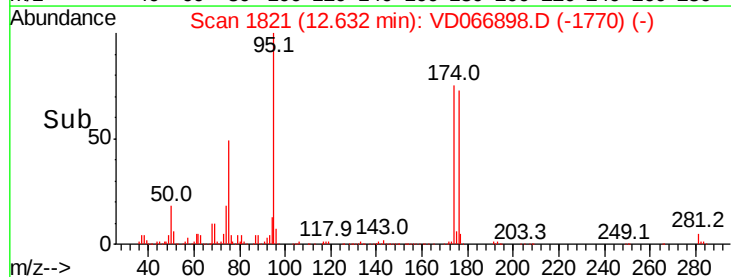
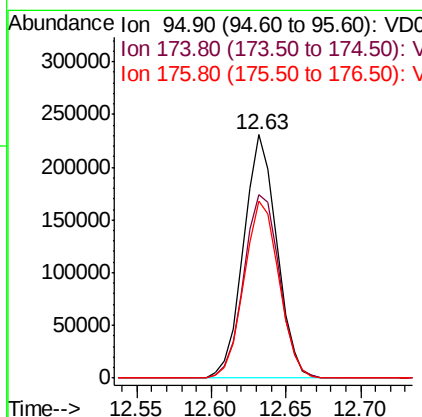
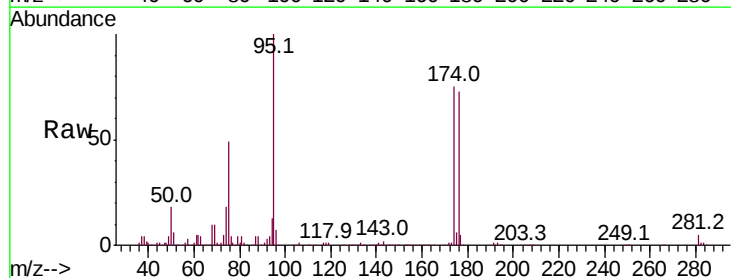
Instrument :
MSVOA_D
ClientSampleId :
B-5(5-7)

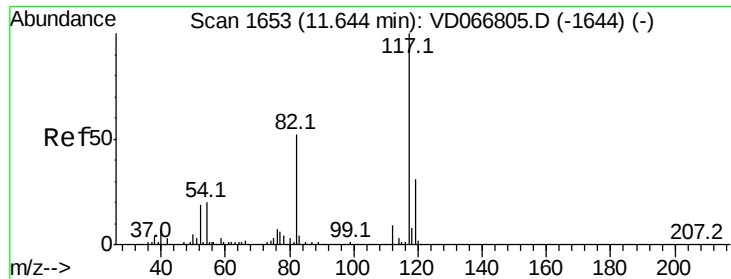
Tot Ion: 98 Resp: 969304
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 59.222 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066898.D
Acq: 26 Sep 2020 04:01

Tgt Ion: 95 Resp: 355767
Ion Ratio Lower Upper
95 100
174 80.8 0.0 159.8
176 76.2 0.0 154.4

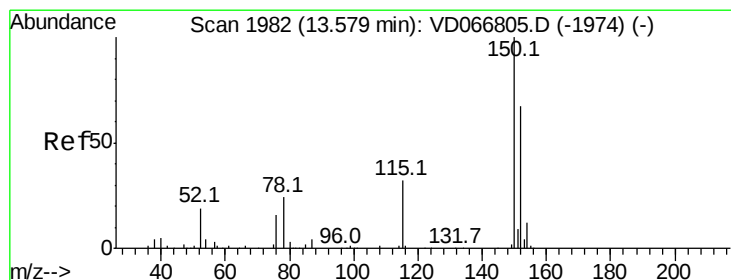
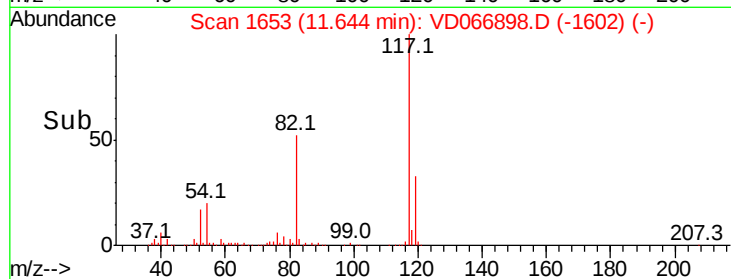
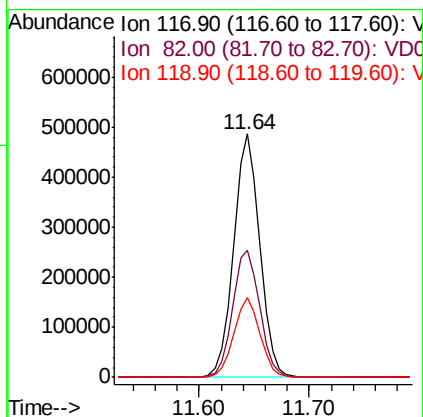
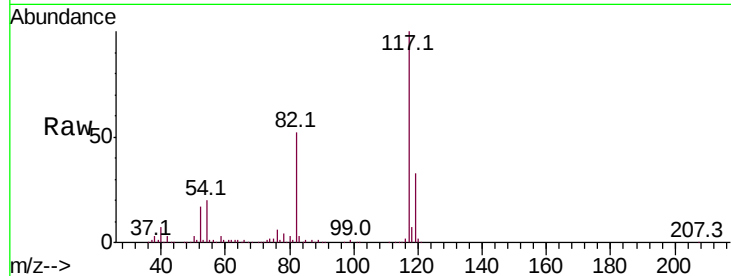




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066898.D
Acq: 26 Sep 2020 04:01

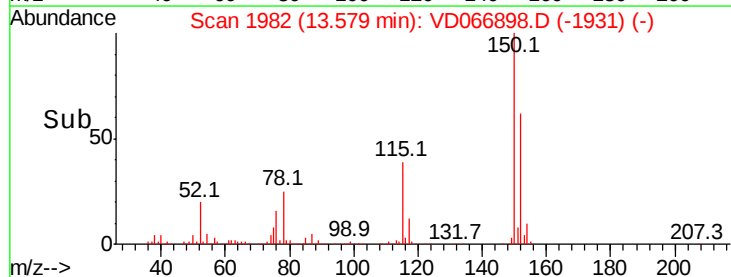
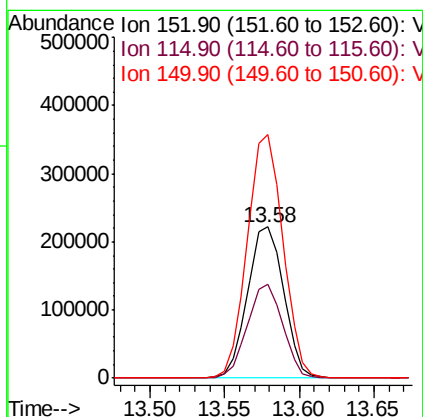
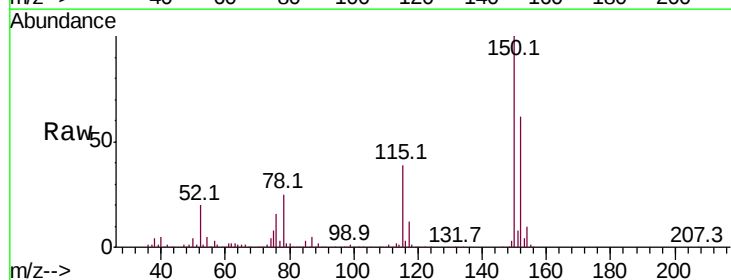
Instrument :
MSVOA_D
ClientSampled :
B-5(5-7)

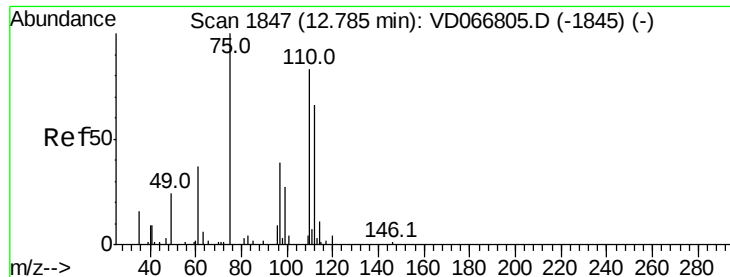
Tot Ion:117 Resp: 807555
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.6
119 32.5 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066898.D
Acq: 26 Sep 2020 04:01

Tgt Ion:152 Resp: 372874
Ion Ratio Lower Upper
152 100
115 60.8 30.3 91.0
150 158.7 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 59.347 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066898.D

Acq: 26 Sep 2020 04:01

Instrument :

MSVOA_D

ClientSampleId :

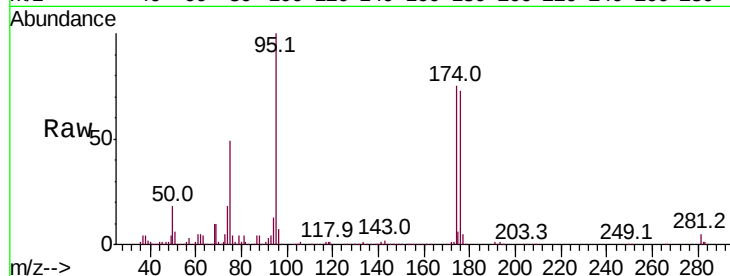
B-5(5-7)

Tot Ion: 75 Resp: 183386

Ion Ratio Lower Upper

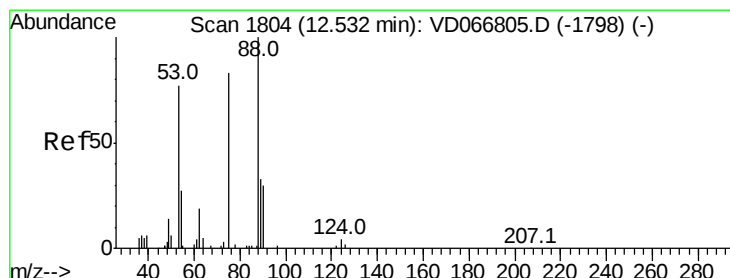
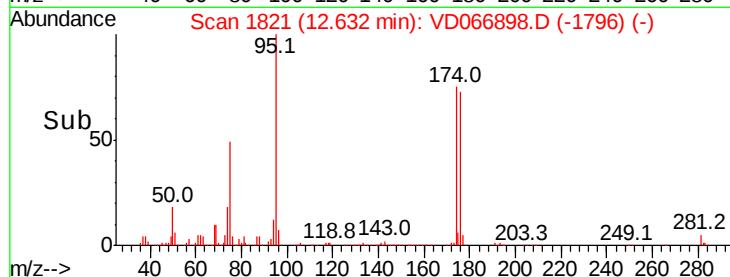
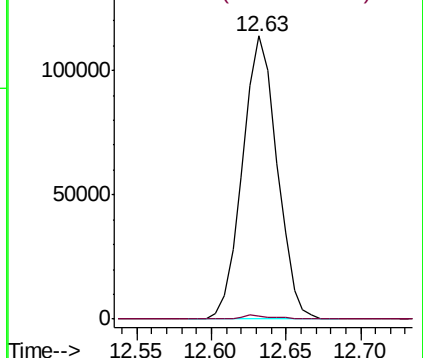
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 148.480 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066898.D

Acq: 26 Sep 2020 04:01

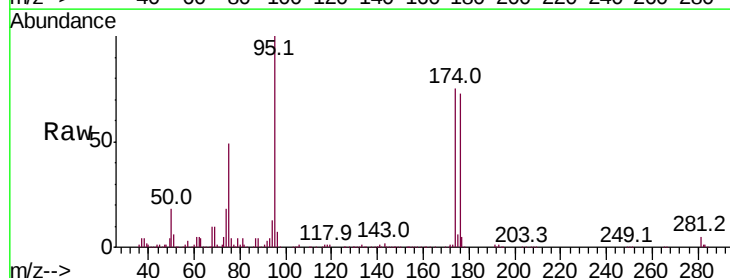
Tgt Ion: 75 Resp: 183386

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

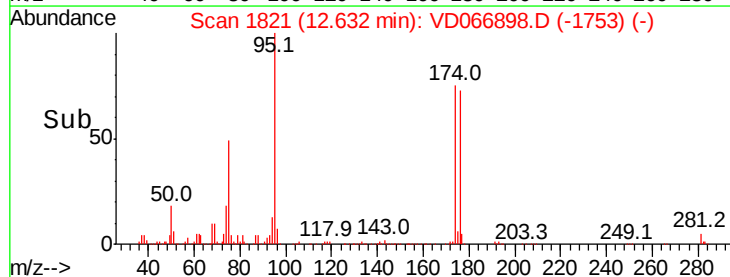
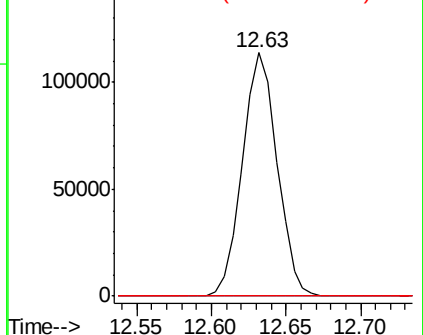
89 0.1 38.1 57.1#

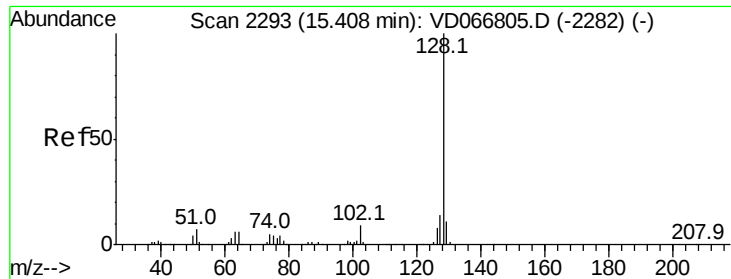


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95
Naphthalene
Concen: 5.635 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066898.D
Acq: 26 Sep 2020 04:01

Instrument :
MSVOA_D
ClientSampleId :
B-5(5-7)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.6	8.9	13.3

