

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066944.D
 Acq On : 29 Sep 2020 17:42
 Operator : VA/SY
 Sample : L4172-14
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-8(13-14)

Quant Time: Sep 30 02:37:34 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	419366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	698172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	741927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	356121	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	195180	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	7.91	113	223097	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.34	98	842898	55.70	ug/l	0.00
Spiked Amount			Recovery	=	111.40%	
62) 4-Bromofluorobenzene	12.63	95	320320	61.83	ug/l	0.00
Spiked Amount			Recovery	=	123.66%	

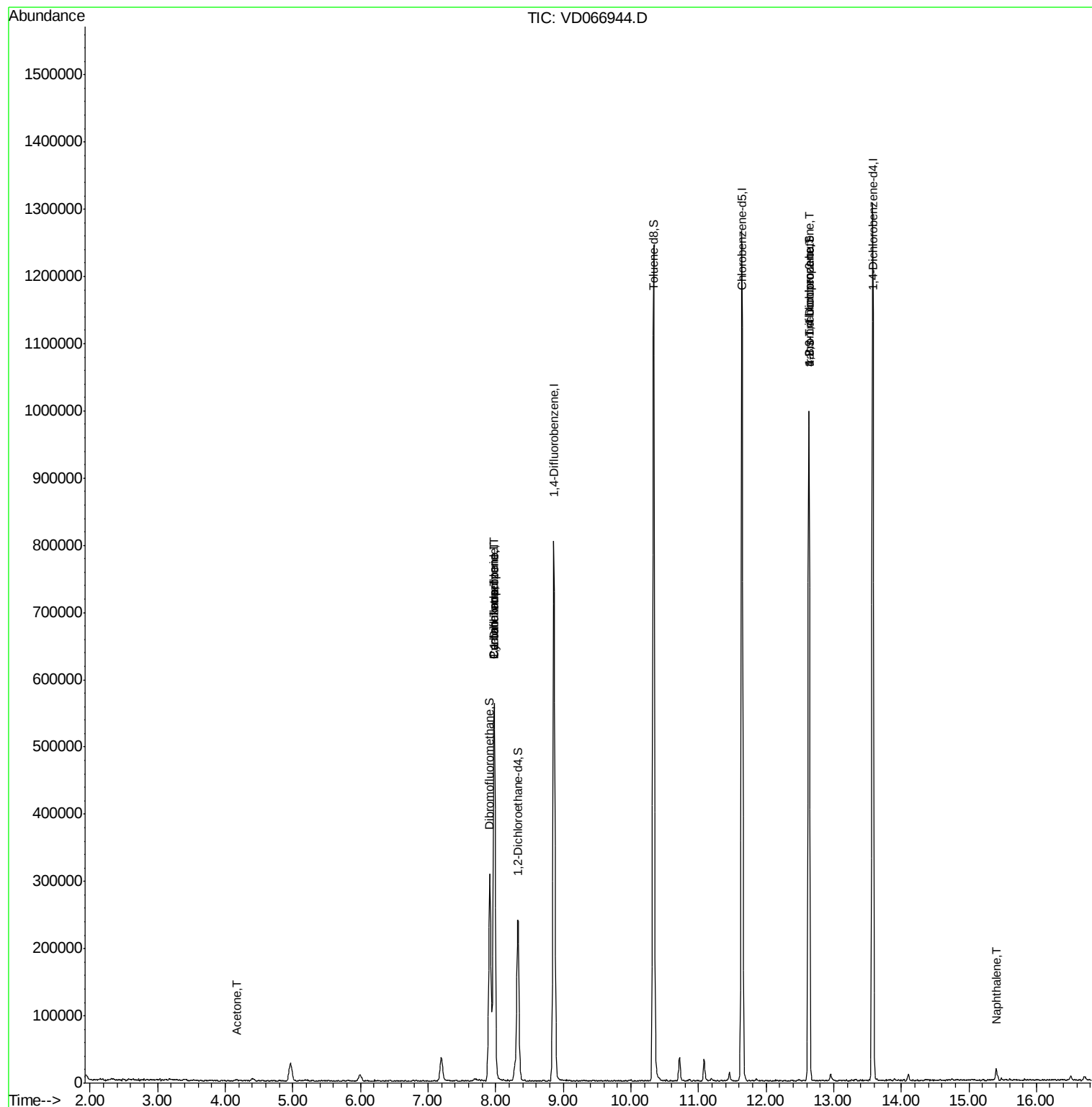
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	379	Below Cal	#	46
11) Tert butyl alcohol	5.23	59	246	Below Cal	#	72
16) Acetone	4.17	43	3095	3.555	ug/l	90
18) Methyl Acetate	4.51	43	65	Below Cal	#	50
20) Methylene Chloride	4.96	84	21994	Below Cal	#	79
31) Cyclohexane	7.98	56	9045	1.212	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	33165	4.788	ug/l #	50
38) Carbon Tetrachloride	7.98	117	43061	5.686	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	163994	55.568	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	163994	139.025	ug/l #	10
95) Naphthalene	15.41	128	14364	1.322	ug/l #	90

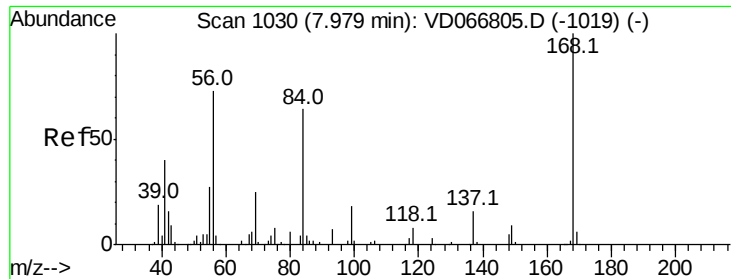
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
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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: VD066944.D

Acq: 29 Sep 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

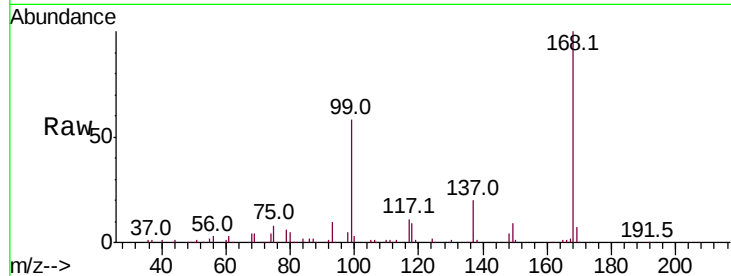
B-8(13-14)

Tot Ion:168 Resp: 419366

Ion Ratio Lower Upper

168 100

99 57.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

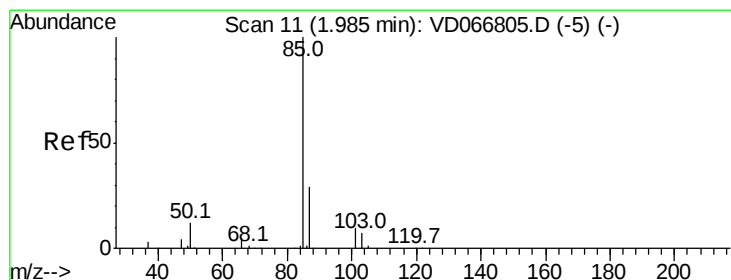
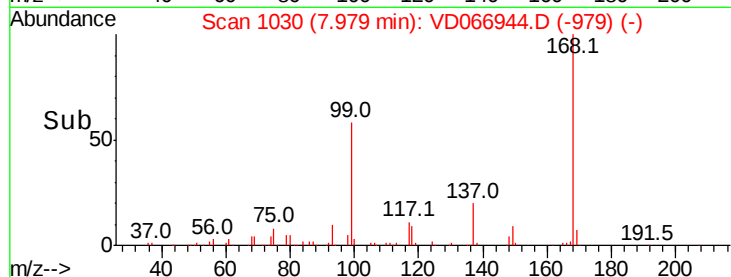
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066944.D

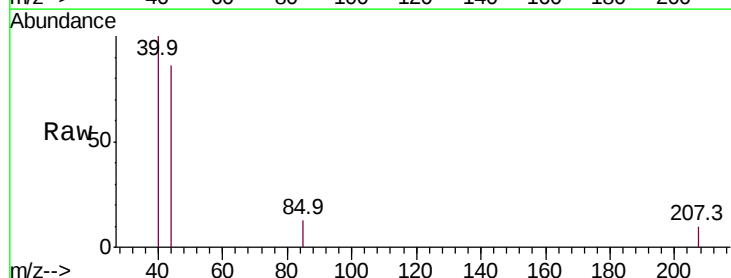
Acq: 29 Sep 2020 17:42

Tgt Ion: 85 Resp: 379

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

400

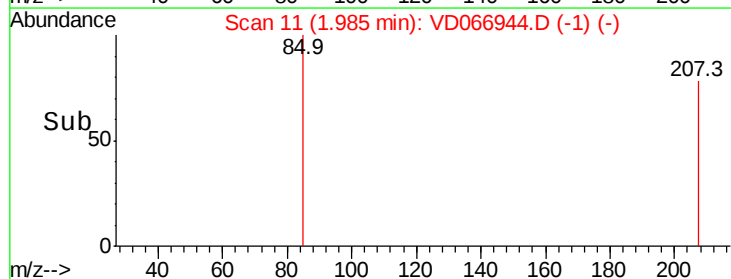
300

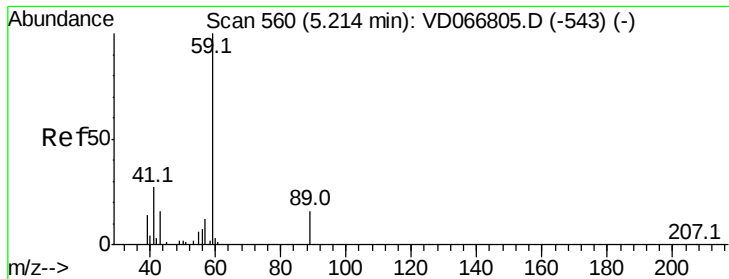
200

100

0

Time-->

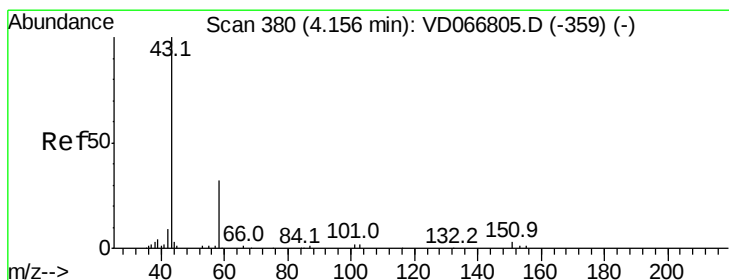
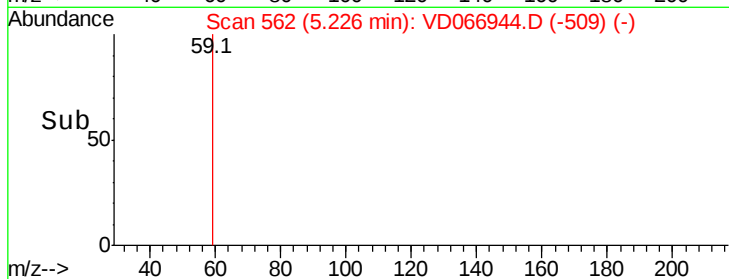
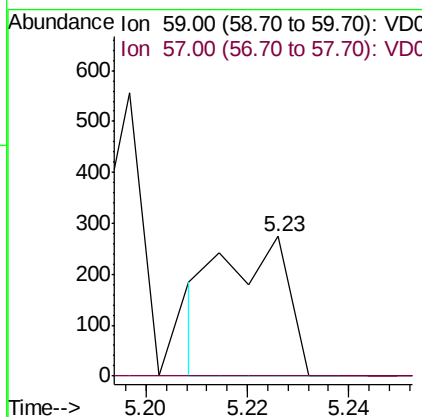
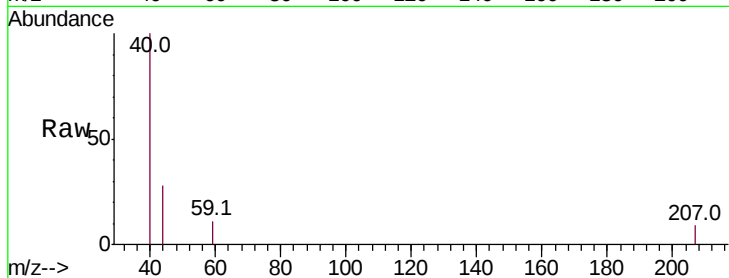




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD066944.D
Acq: 29 Sep 2020 17:42

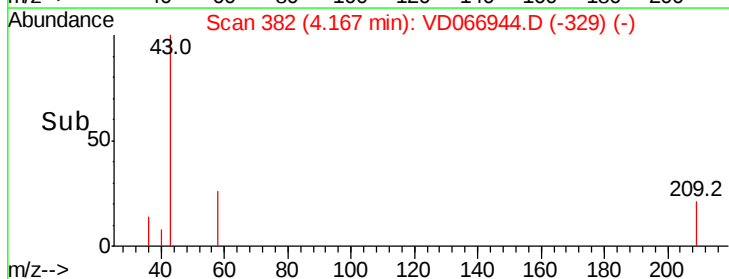
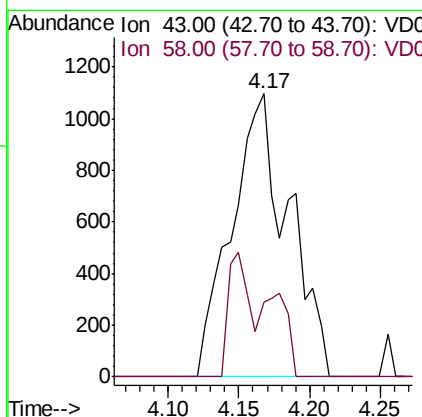
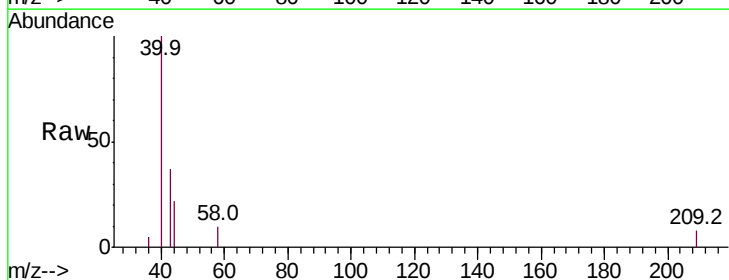
Instrument :
MSVOA_D
ClientSampleId :
B-8(13-14)

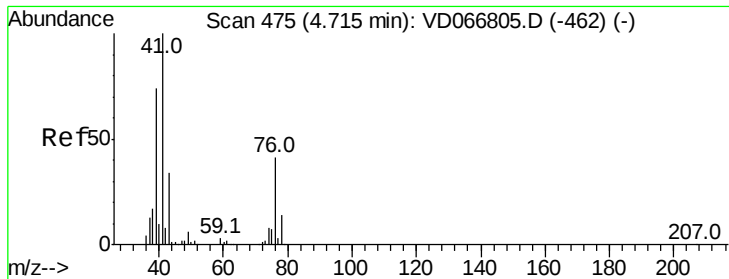
Tot Ion: 59 Resp: 246
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 3.555 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD066944.D
Acq: 29 Sep 2020 17:42

Tgt Ion: 43 Resp: 3095
Ion Ratio Lower Upper
43 100
58 26.2 25.6 38.4

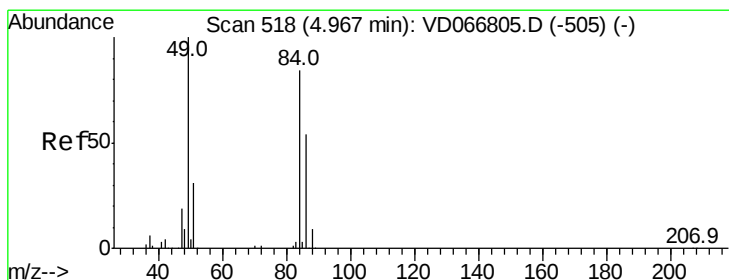
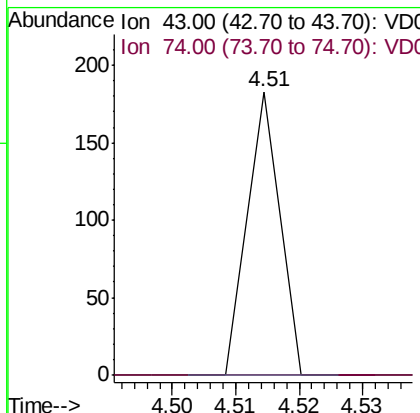
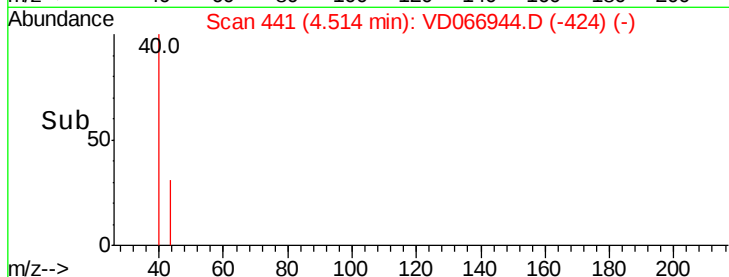
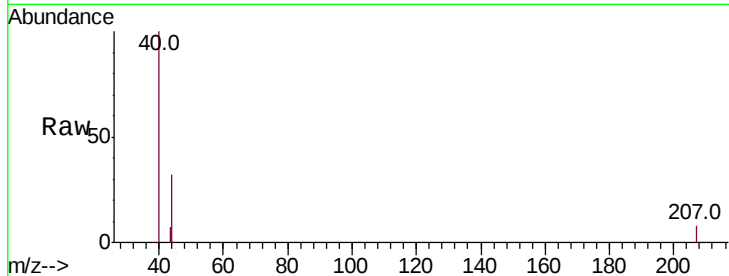




#18
Methyl Acetate
Concen: Below Cal
RT: 4.51 min Scan# 441
Delta R.T. -0.20 min
Lab File: VD066944.D
Acq: 29 Sep 2020 17:42

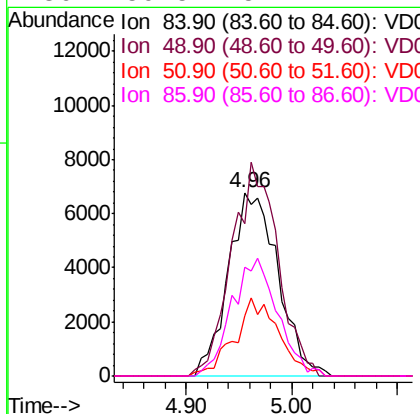
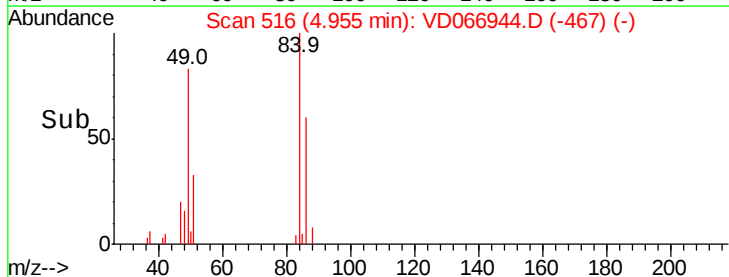
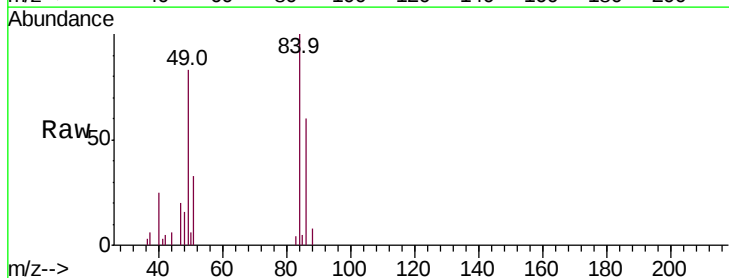
Instrument :
MSVOA_D
ClientSampleId :
B-8(13-14)

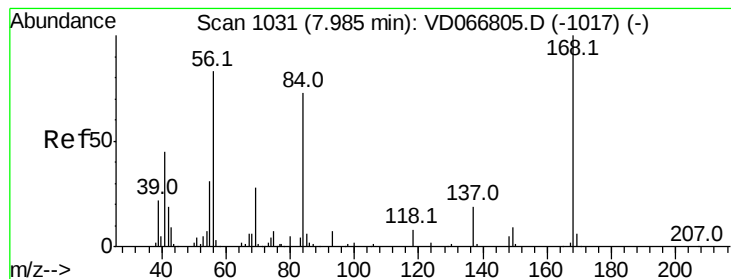
Tot Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066944.D
Acq: 29 Sep 2020 17:42

Tgt Ion: 84 Resp: 21994
Ion Ratio Lower Upper
84 100
49 83.3 95.4 143.2#
51 32.6 29.7 44.5
86 59.5 51.4 77.2





#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066944.D

Acq: 29 Sep 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

B-8(13-14)

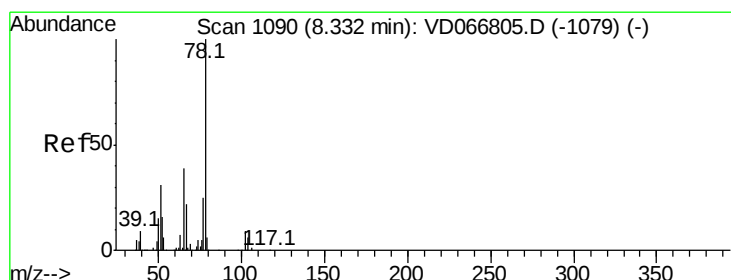
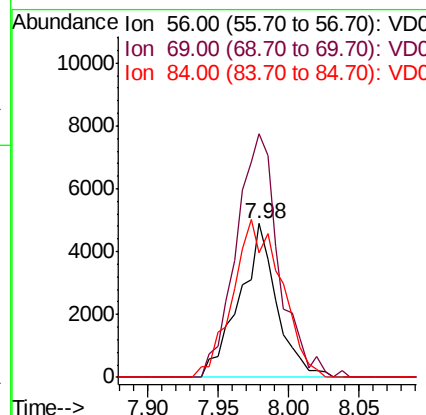
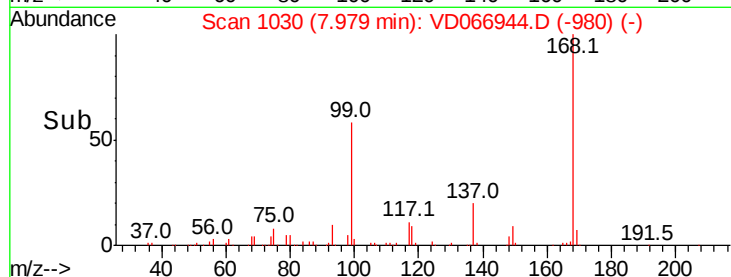
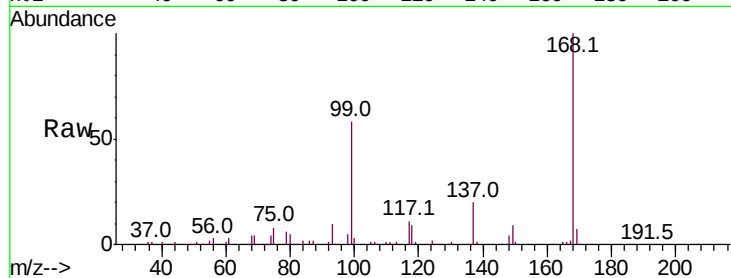
Tot Ion: 56 Resp: 9045

Ion Ratio Lower Upper

56 100

69 158.5 27.0 40.4#

84 81.3 70.2 105.4



#33

1,2-Dichloroethane-d4

Concen: 47.552 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066944.D

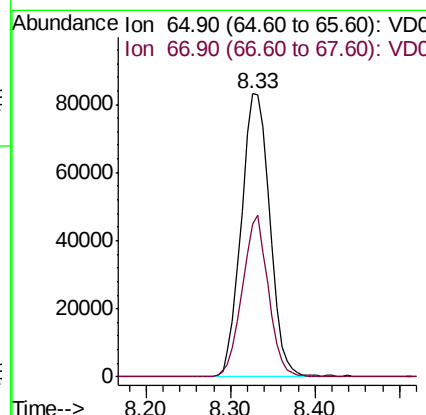
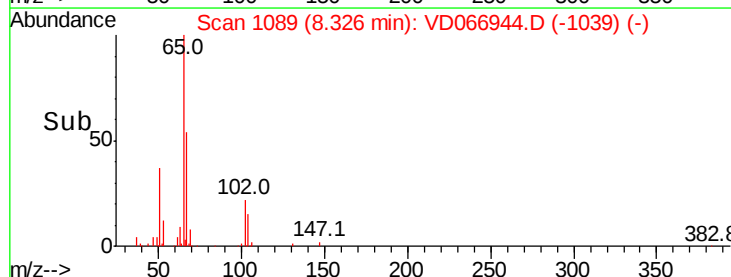
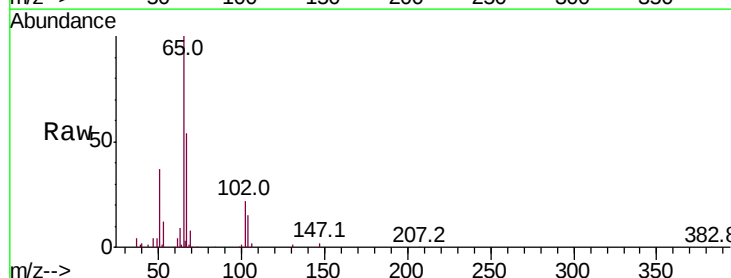
Acq: 29 Sep 2020 17:42

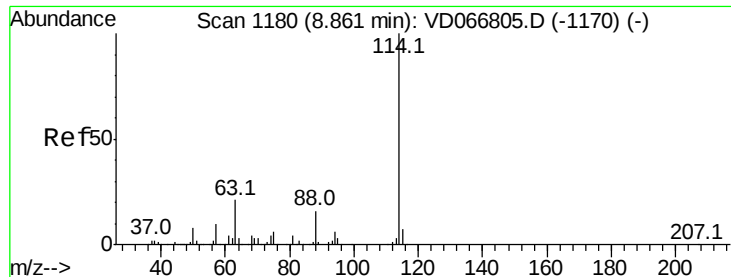
Tgt Ion: 65 Resp: 195180

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066944.D

Acq: 29 Sep 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

B-8(13-14)

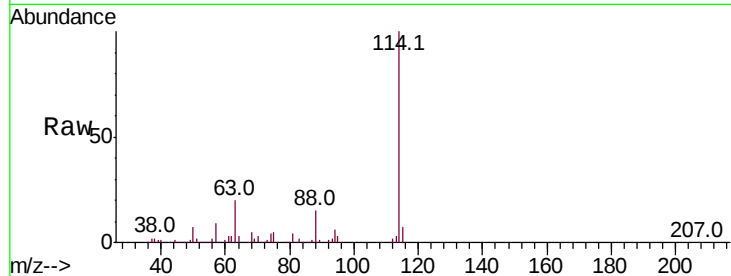
Tot Ion:114 Resp: 698172

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

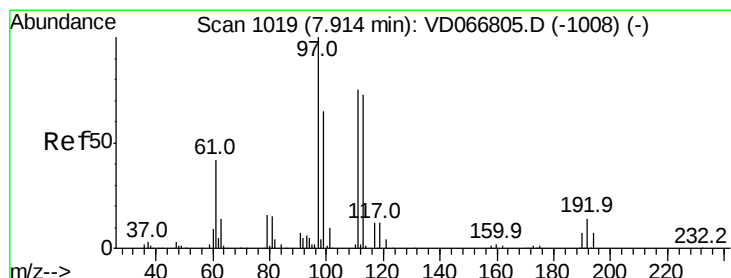
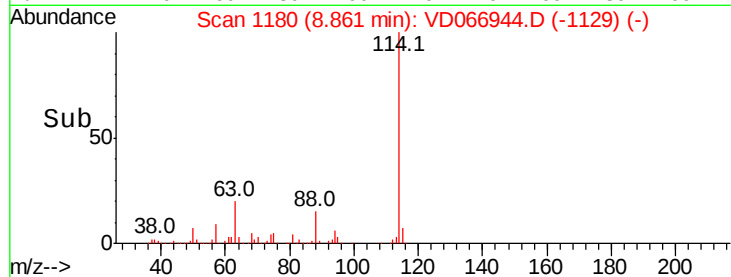
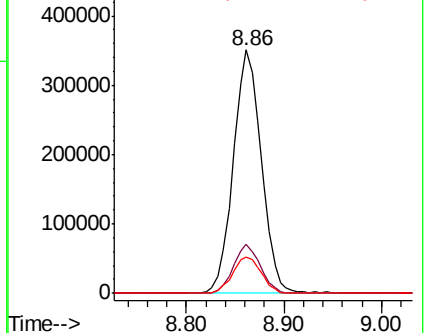
88 14.7 0.0 32.6



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: 50.227 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066944.D

Acq: 29 Sep 2020 17:42

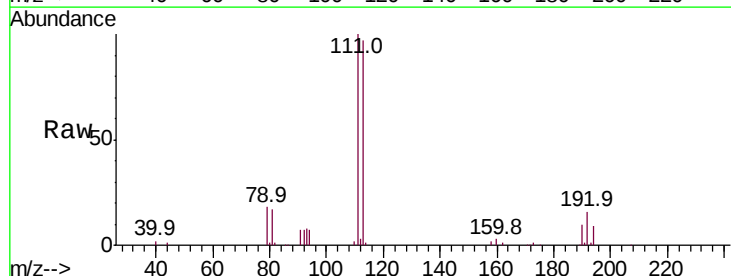
Tgt Ion:113 Resp: 223097

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

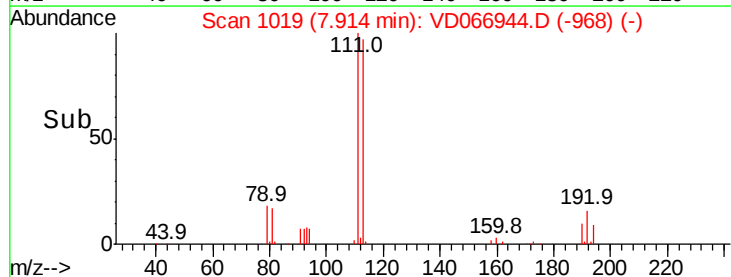
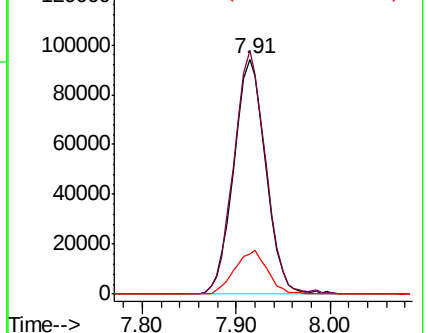
192 19.0 14.4 21.6

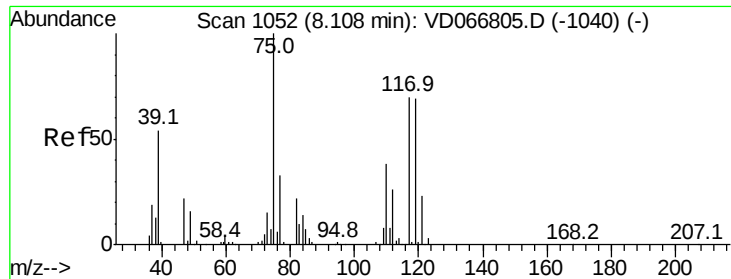


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

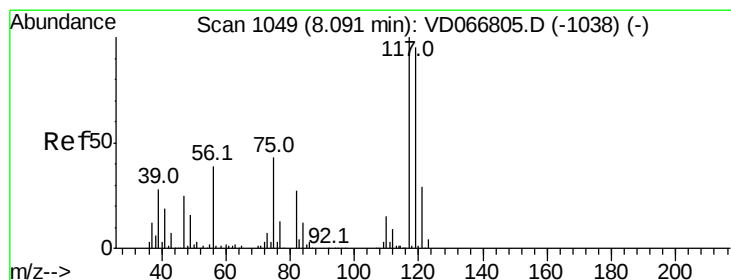
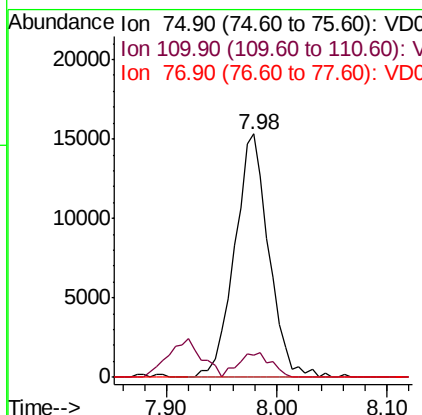
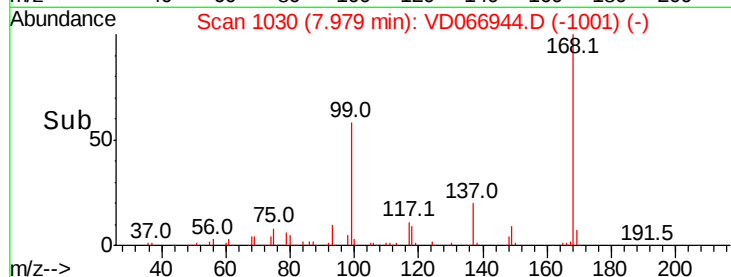
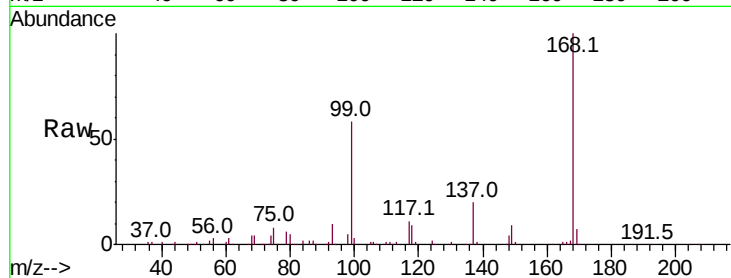




#36
 1,1-Dichloropropene
 Concen: 4.788 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066944.D
 Acq: 29 Sep 2020 17:42

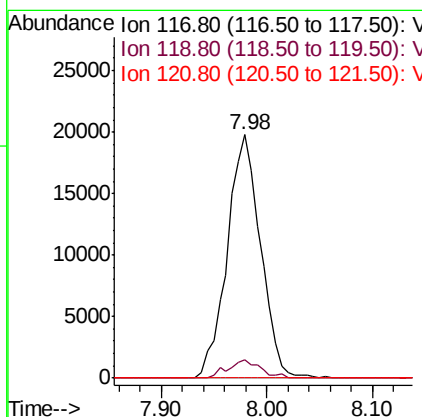
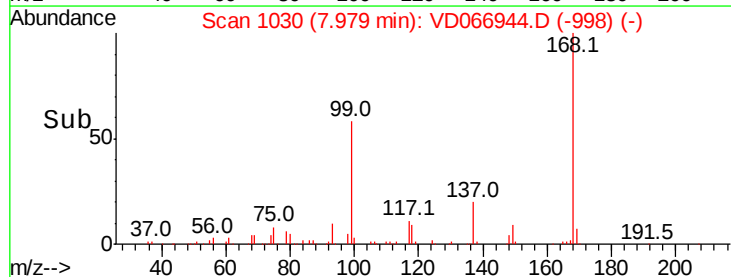
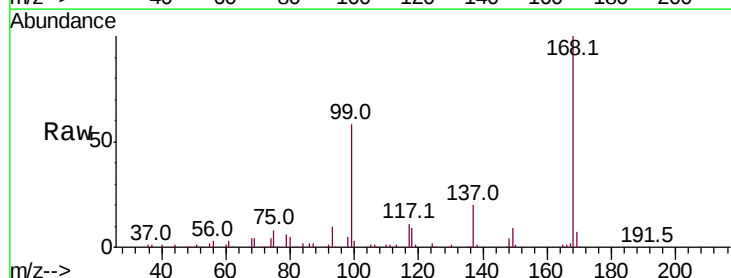
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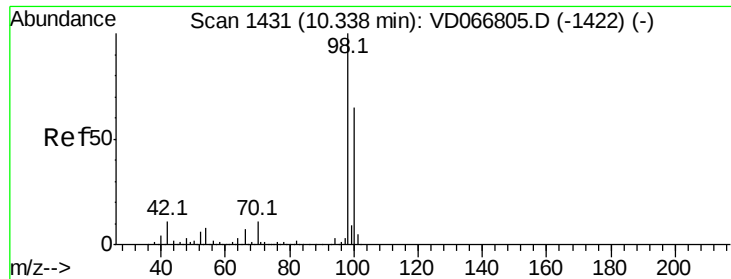
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.9	53.8#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.686 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066944.D
 Acq: 29 Sep 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.8	75.8	113.8#
121	0.0	23.4	35.0#

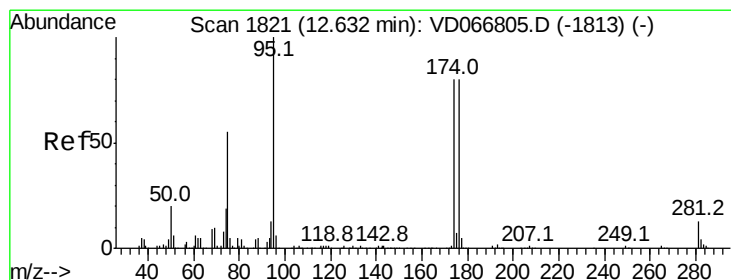
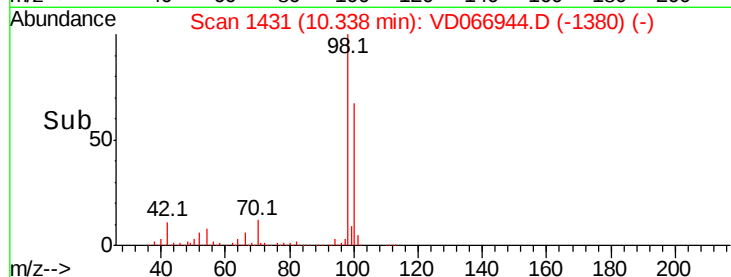
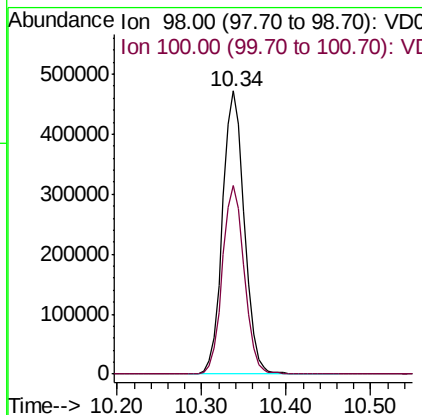
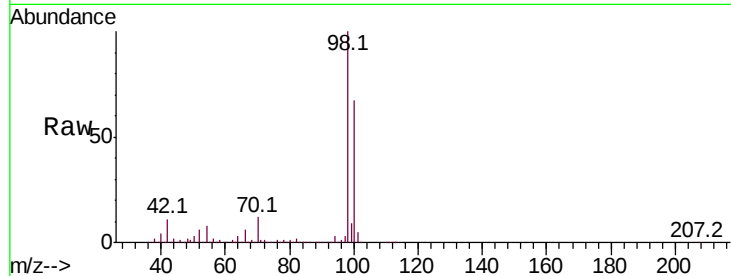




#50
Toluene-d8
Concen: 55.696 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066944.D
Acq: 29 Sep 2020 17:42

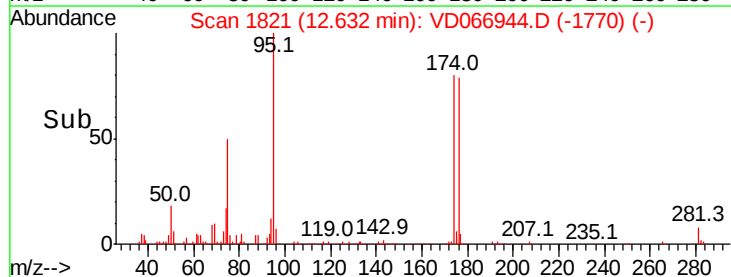
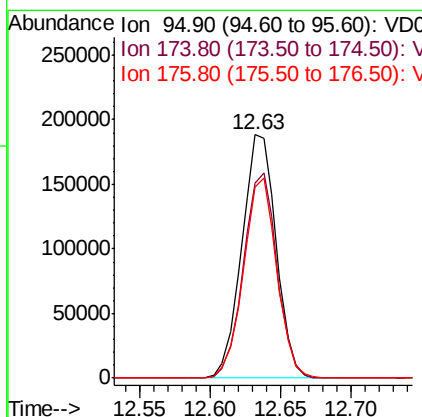
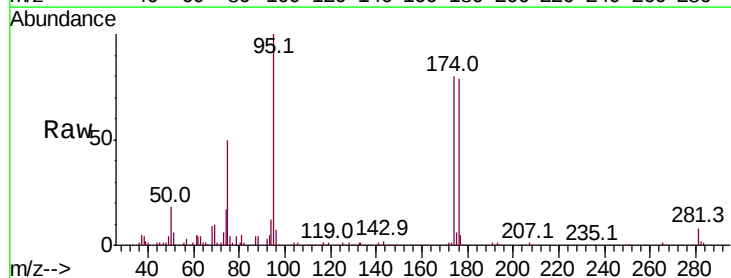
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B-8(13-14)

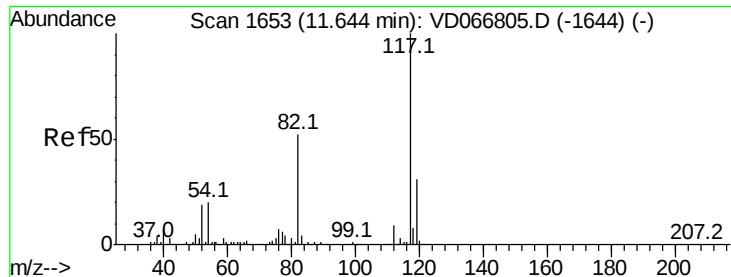
Tot Ion: 98 Resp: 842898
Ion Ratio Lower Upper
98 100
100 66.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 61.828 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066944.D
Acq: 29 Sep 2020 17:42

Tgt Ion: 95 Resp: 320320
Ion Ratio Lower Upper
95 100
174 82.5 0.0 159.8
176 79.7 0.0 154.4

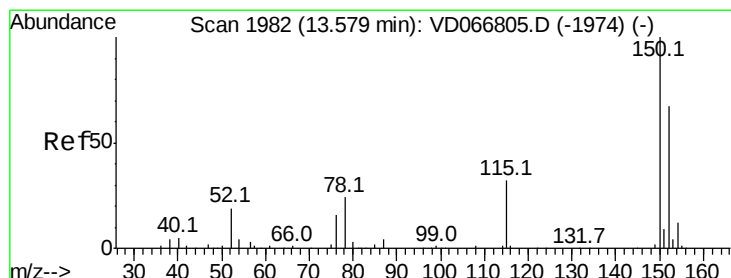
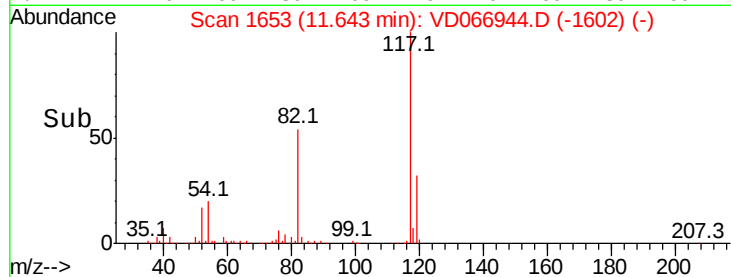
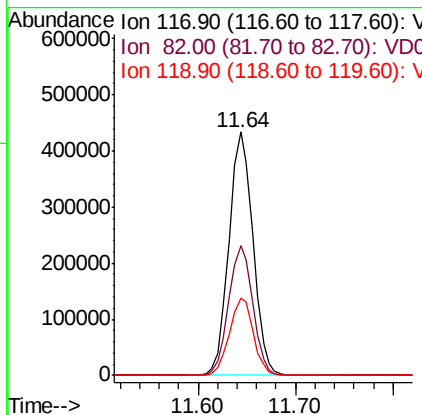
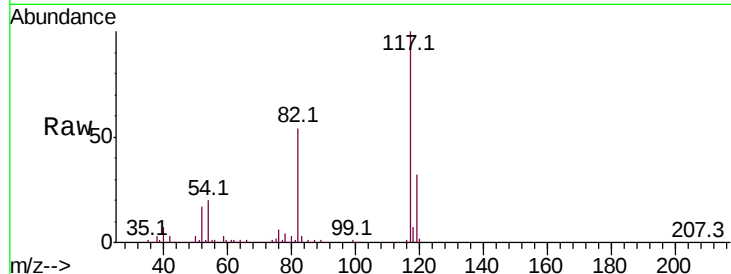




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066944.D
Acq: 29 Sep 2020 17:42

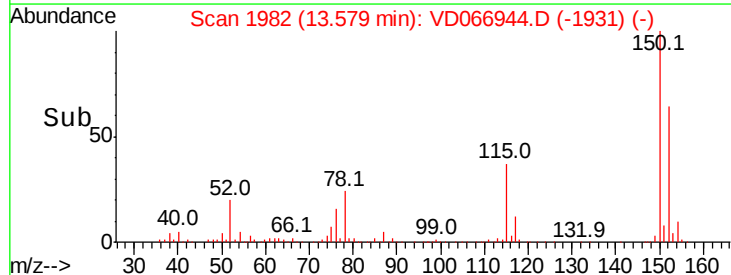
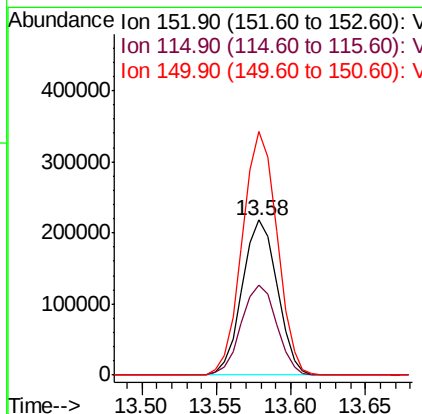
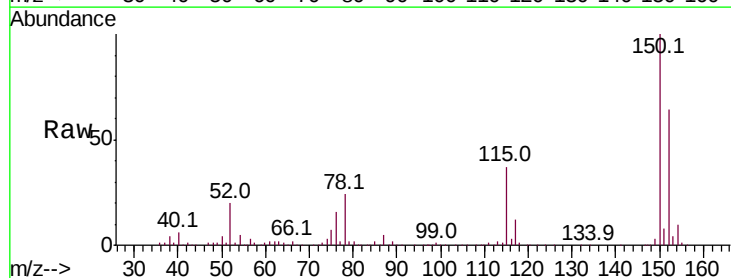
Instrument :
MSVOA_D
ClientSampleId :
B-8(13-14)

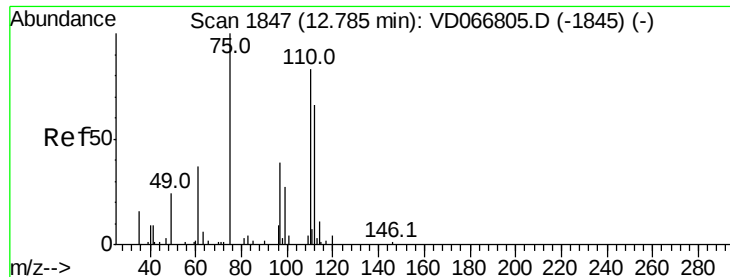
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.8	62.6
119	31.9	24.6	37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066944.D
Acq: 29 Sep 2020 17:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.3	91.0
150	155.8	0.0	346.2

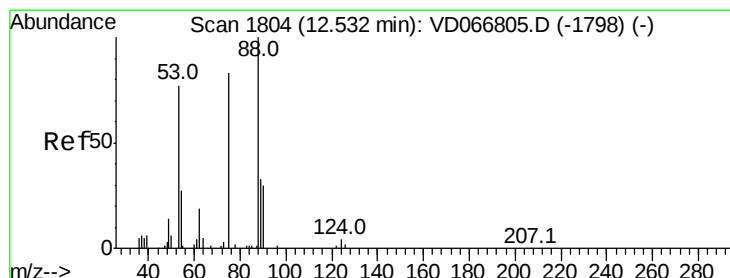
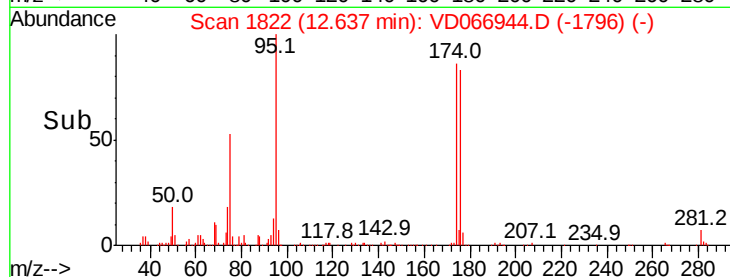
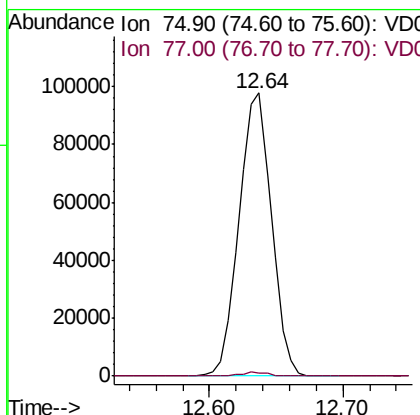
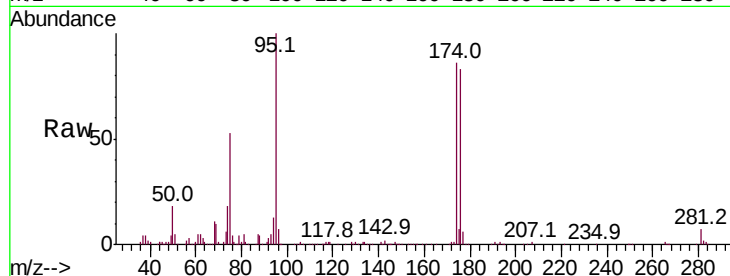




#76
 1,2,3-Trichloropropane
 Concen: 55.568 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066944.D
 Acq: 29 Sep 2020 17:42

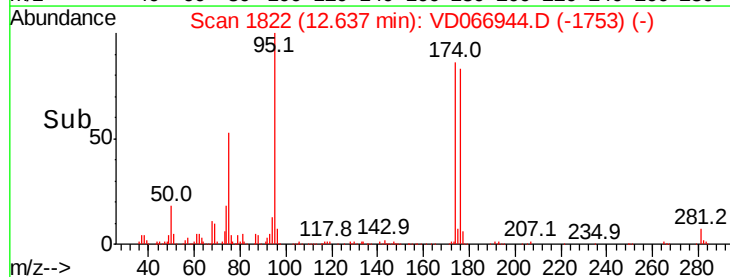
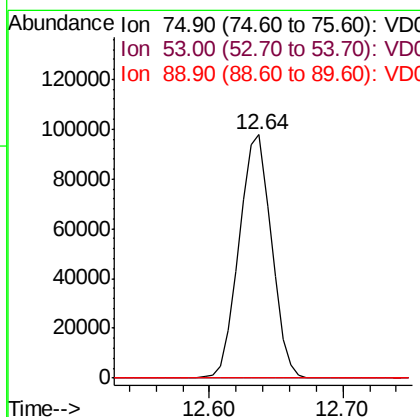
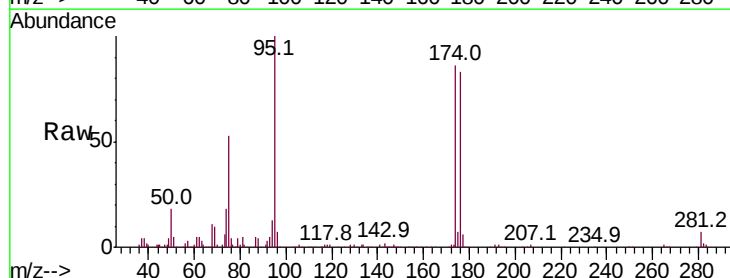
Instrument :
 MSVOA_D
 ClientSampled :
 B-8(13-14)

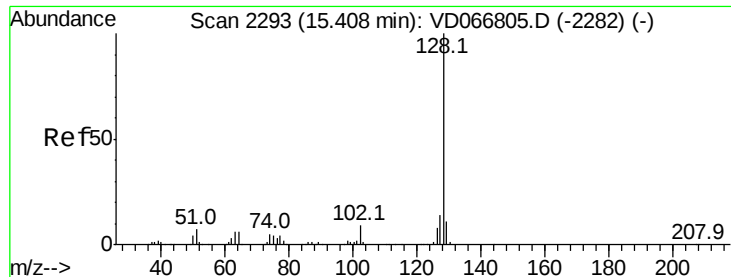
Tot Ion: 75 Resp: 163994
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.025 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066944.D
 Acq: 29 Sep 2020 17:42

Tgt Ion: 75 Resp: 163994
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 38.1 57.1#





#95

Naphthalene

Concen: 1.322 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066944.D

Acq: 29 Sep 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

B-8(13-14)

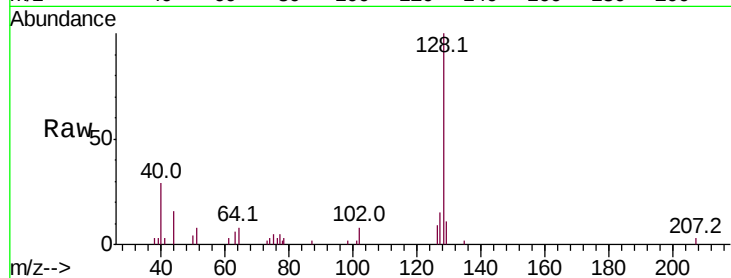
Tot Ion:128 Resp: 14364

Ion Ratio Lower Upper

128 100

127 6.5 10.6 16.0#

129 11.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

