

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066961.D
 Acq On : 30 Sep 2020 02:50
 Operator : VA/SY
 Sample : L4179-11
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(12-14)

Quant Time: Sep 30 04:24:24 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	387273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	656535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	713565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	355629	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	187150	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	7.92	113	177738	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	
50) Toluene-d8	10.34	98	804901	56.56	ug/l	0.00
Spiked Amount			Recovery	=	113.12%	
62) 4-Bromofluorobenzene	12.63	95	320768	65.84	ug/l	0.00
Spiked Amount			Recovery	=	131.68%	

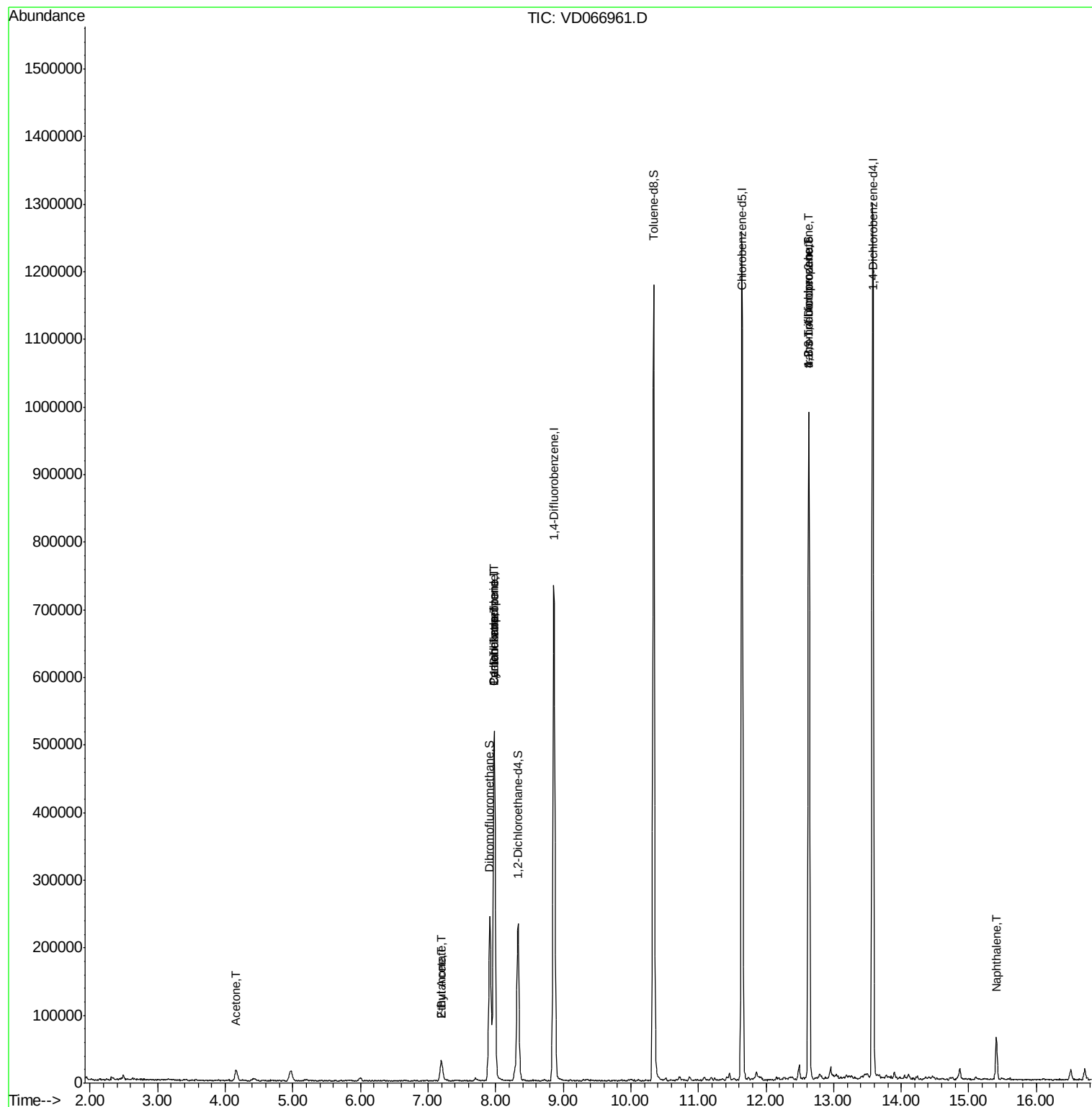
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	342	Below Cal	#	46
11) Tert butyl alcohol	5.19	59	681	Below Cal	#	72
16) Acetone	4.16	43	26497	32.953	ug/l	98
18) Methyl Acetate	4.69	43	120	Below Cal	#	50
20) Methylene Chloride	4.97	84	12281	Below Cal		96
25) 2-Butanone	7.21	43	6352	6.574	ug/l	93
31) Cyclohexane	7.98	56	8562	1.242	ug/l #	9
36) 1,1-Dichloropropene	7.97	75	29200	4.483	ug/l #	50
37) Ethyl Acetate	7.21	43	6352	2.698	ug/l #	63
38) Carbon Tetrachloride	7.98	117	40647	5.708	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	165544	56.171	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	165544	140.534	ug/l #	10
95) Naphthalene	15.41	128	53494	4.928	ug/l	100

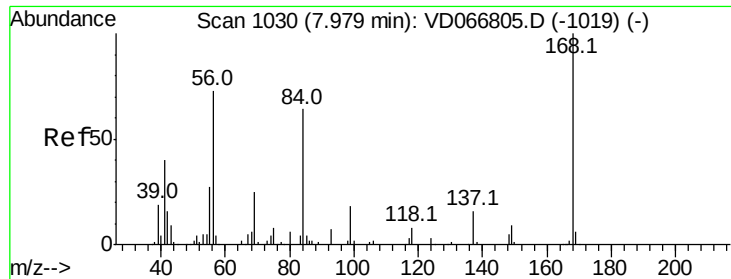
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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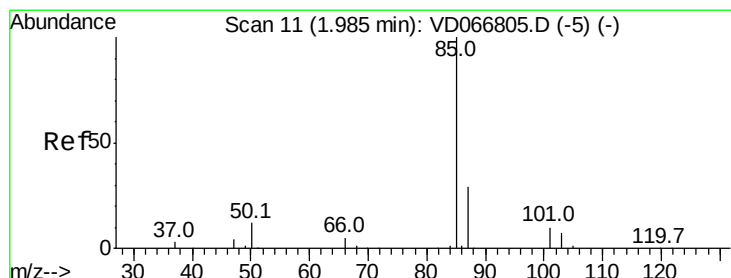
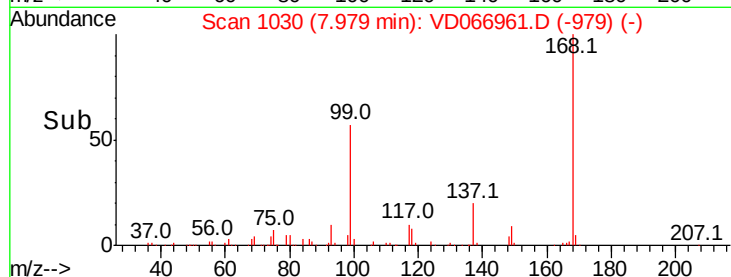
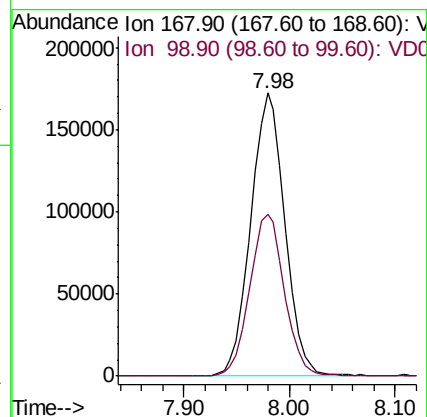
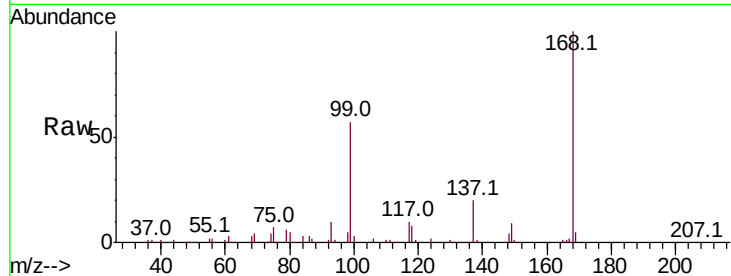




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066961.D
Acq: 30 Sep 2020 02:50

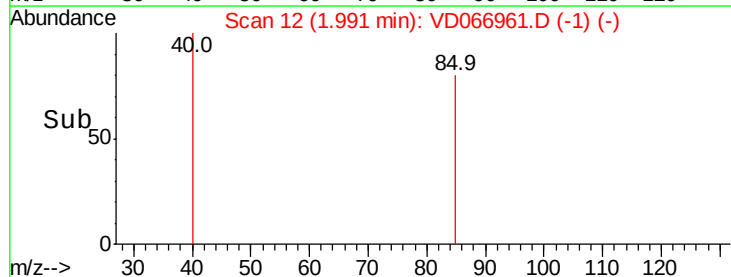
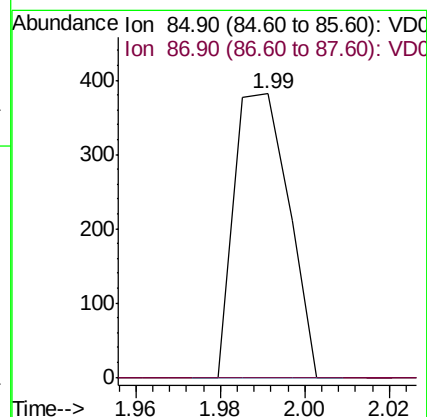
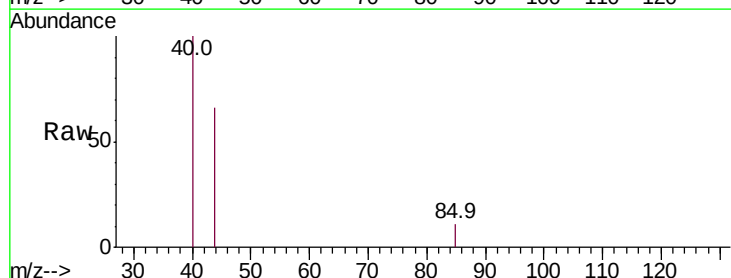
Instrument :
MSVOA_D
ClientSampleId :
B-11(12-14)

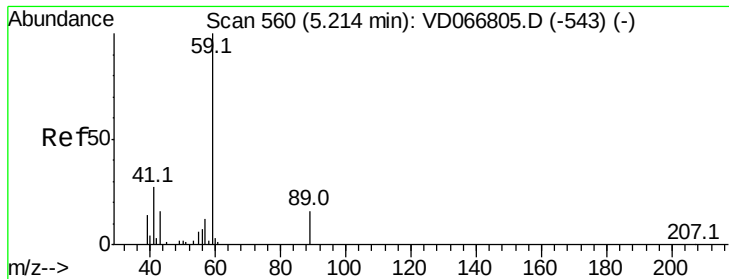
Tot Ion:168 Resp: 387273
Ion Ratio Lower Upper
168 100
99 57.1 46.6 69.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.99 min Scan# 12
Delta R.T. 0.01 min
Lab File: VD066961.D
Acq: 30 Sep 2020 02:50

Tgt Ion: 85 Resp: 342
Ion Ratio Lower Upper
85 100
87 0.0 14.5 43.5#



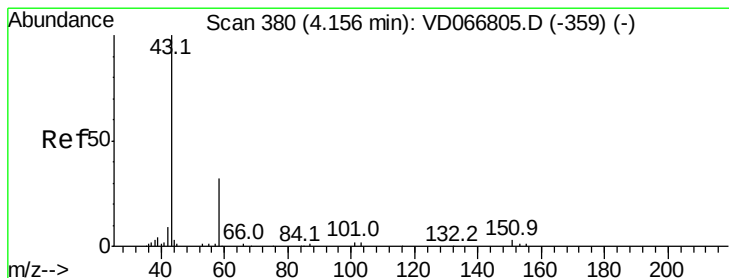
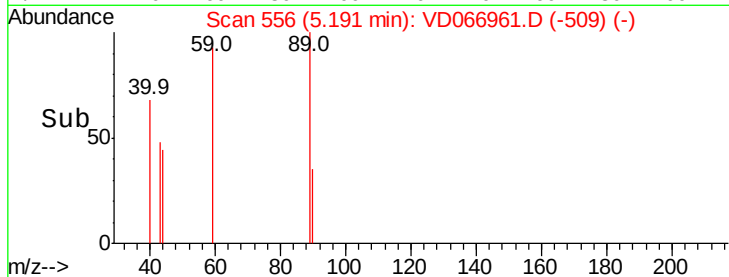
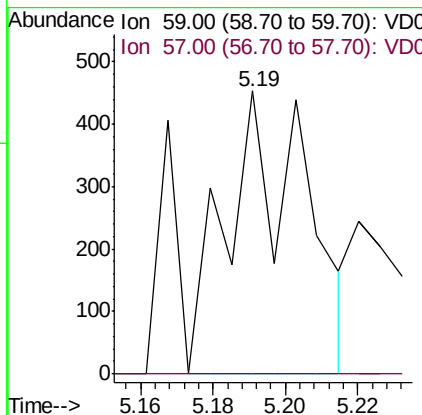
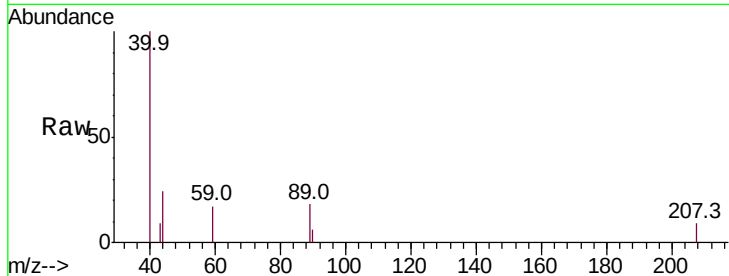


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.02 min
 Lab File: VD066961.D
 Acq: 30 Sep 2020 02:50

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(12-14)

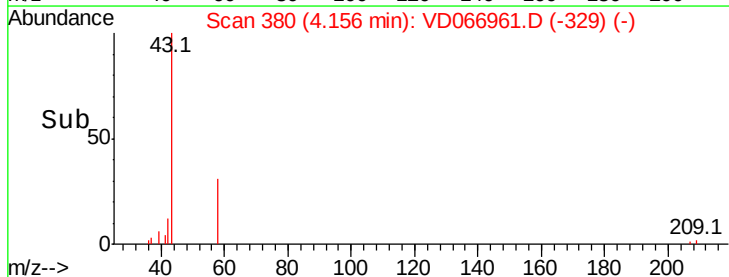
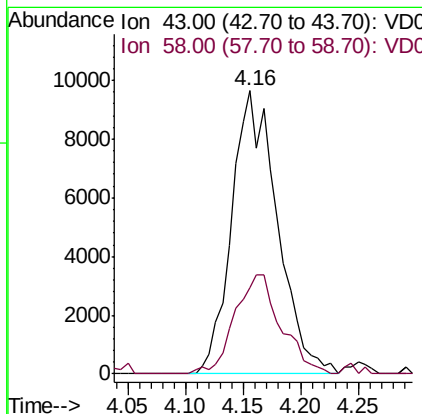
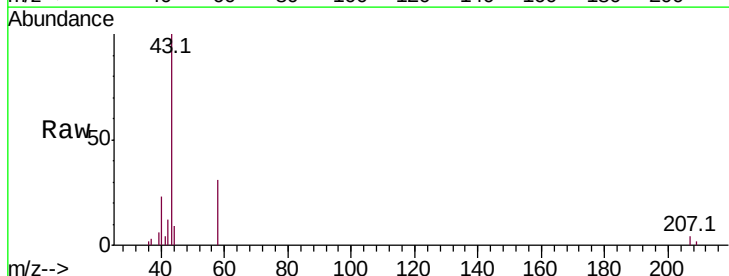
Tot Ion: 59 Resp: 681
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

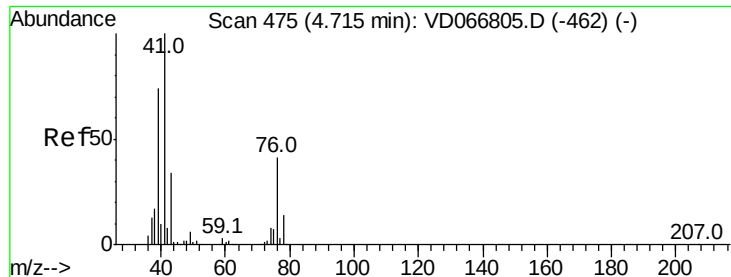


#16

Acetone
 Concen: 32.953 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066961.D
 Acq: 30 Sep 2020 02:50

Tgt Ion: 43 Resp: 26497
 Ion Ratio Lower Upper
 43 100
 58 30.6 25.6 38.4

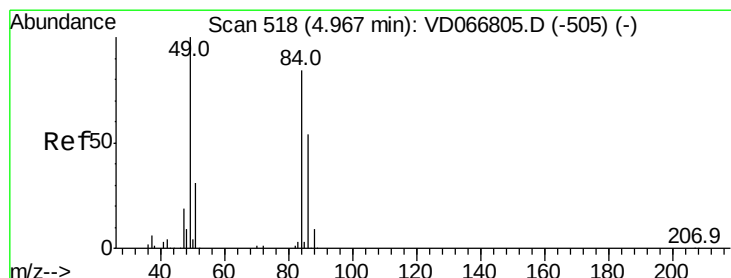
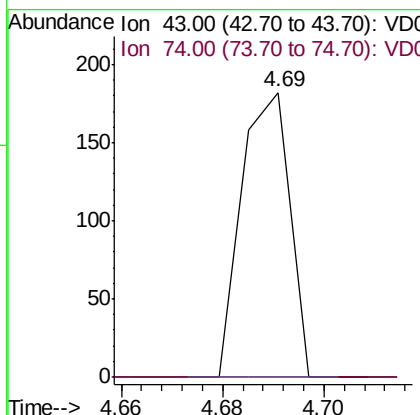
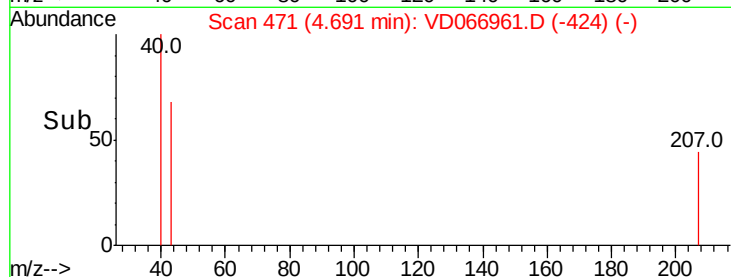
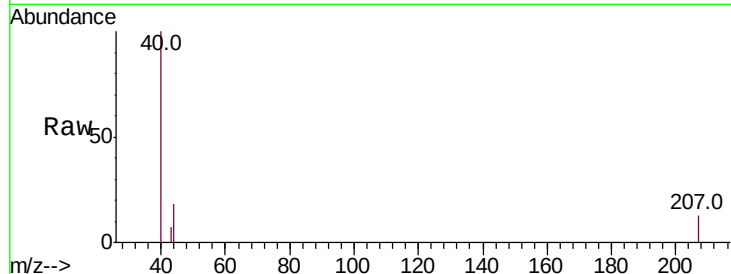




#18
Methyl Acetate
Concen: Below Cal
RT: 4.69 min Scan# 471
Delta R.T. -0.02 min
Lab File: VD066961.D
Acq: 30 Sep 2020 02:50

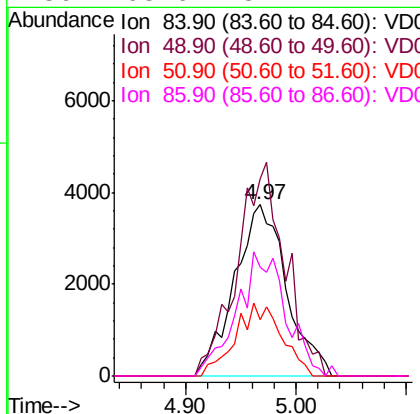
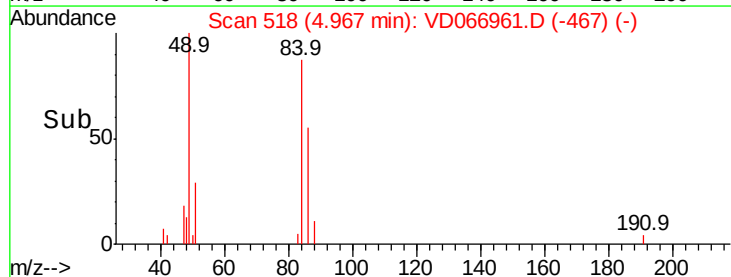
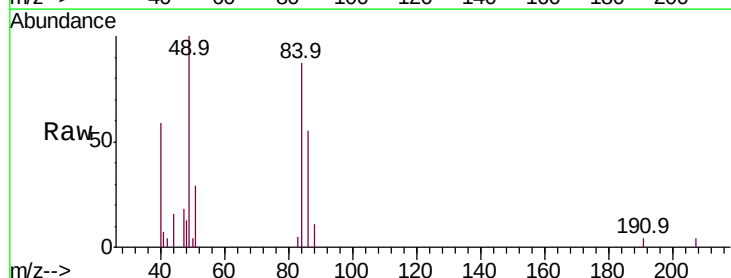
Instrument :
MSVOA_D
ClientSampleId :
B-11(12-14)

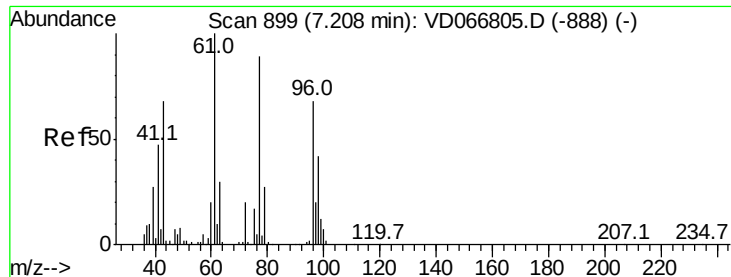
Tot Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066961.D
Acq: 30 Sep 2020 02:50

Tgt Ion: 84 Resp: 12281
Ion Ratio Lower Upper
84 100
49 114.8 95.4 143.2
51 33.2 29.7 44.5
86 63.6 51.4 77.2





#25

2-Butanone

Concen: 6.574 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066961.D

Acq: 30 Sep 2020 02:50

Instrument :

MSVOA_D

ClientSampleId :

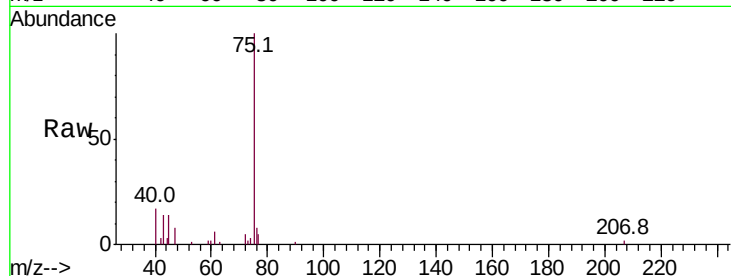
B-11(12-14)

Tot Ion: 43 Resp: 6352

Ion Ratio Lower Upper

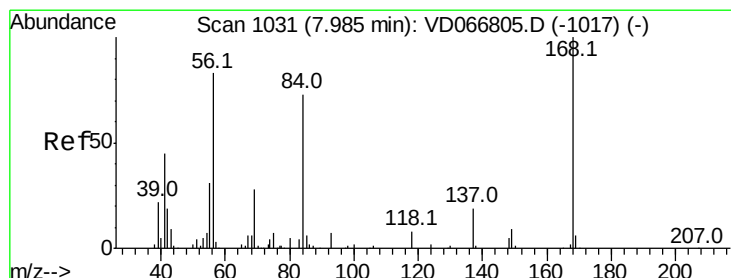
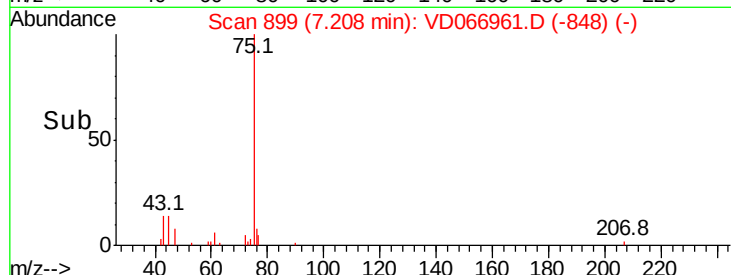
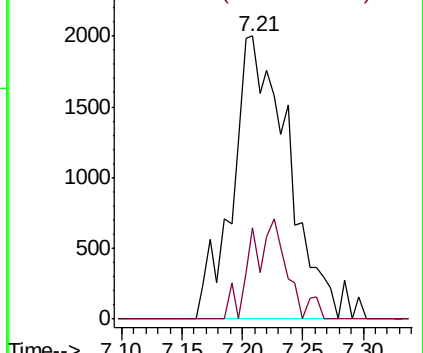
43 100

72 32.4 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066961.D

Acq: 30 Sep 2020 02:50

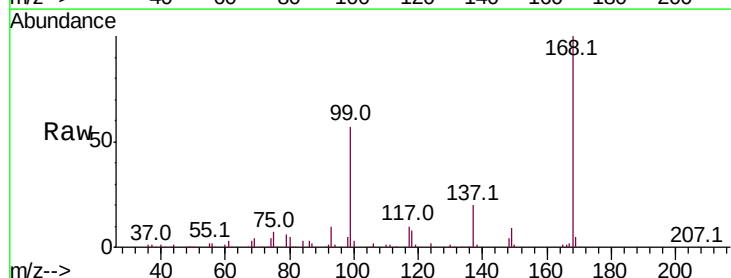
Tgt Ion: 56 Resp: 8562

Ion Ratio Lower Upper

56 100

69 159.5 27.0 40.4#

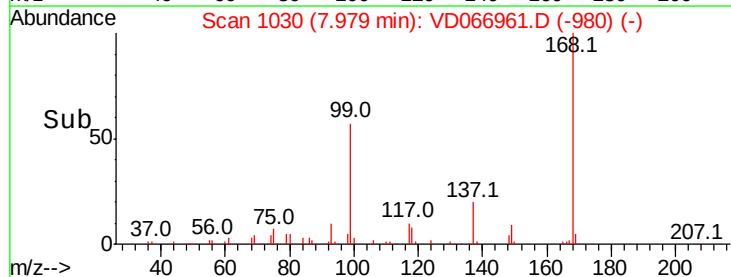
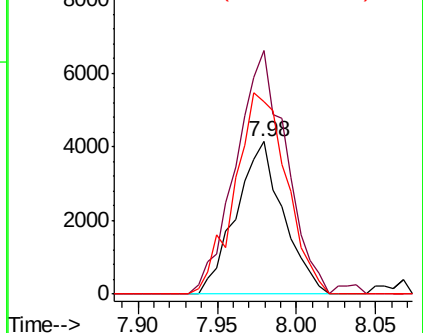
84 125.9 70.2 105.4#

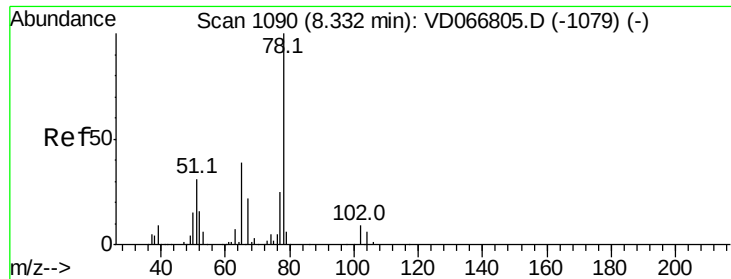


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.374 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

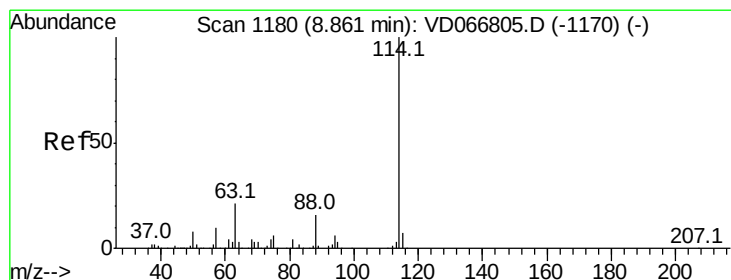
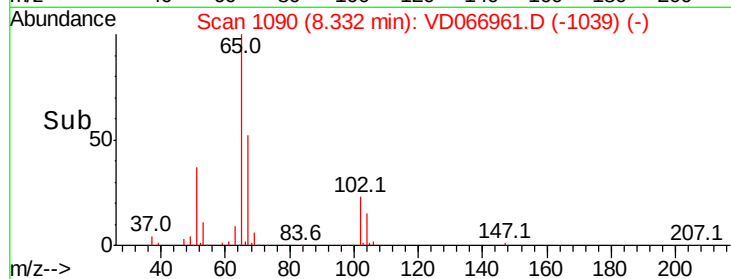
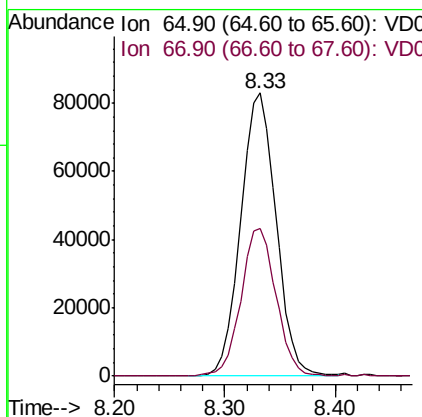
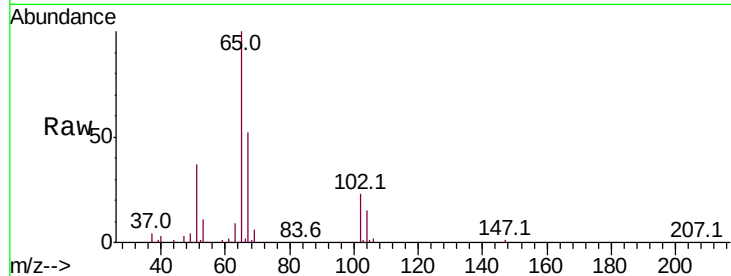
Lab File: VD066961.D

Acq: 30 Sep 2020 02:50

Instrument :
MSVOA_D
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B-11(12-14)

Tot Ion: 65 Resp: 187150

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

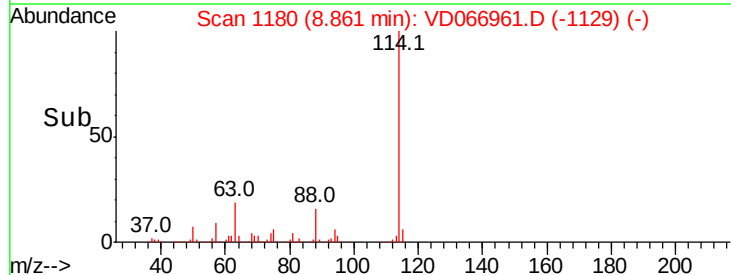
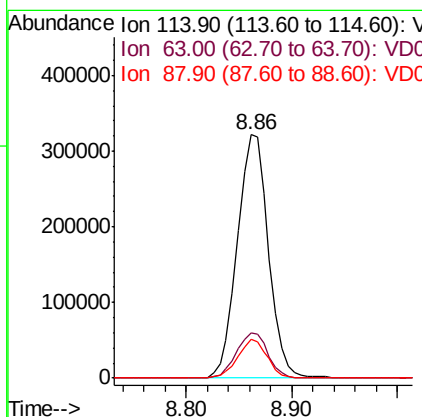
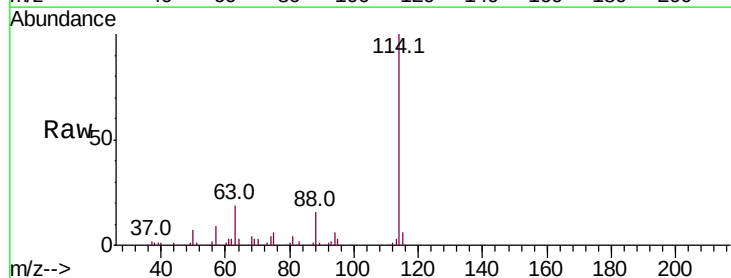
Delta R.T. 0.00 min

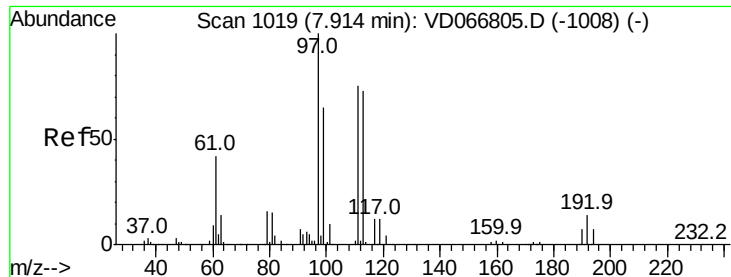
Lab File: VD066961.D

Acq: 30 Sep 2020 02:50

Tgt Ion: 114 Resp: 656535

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	42.6
88	16.1	0.0	32.6

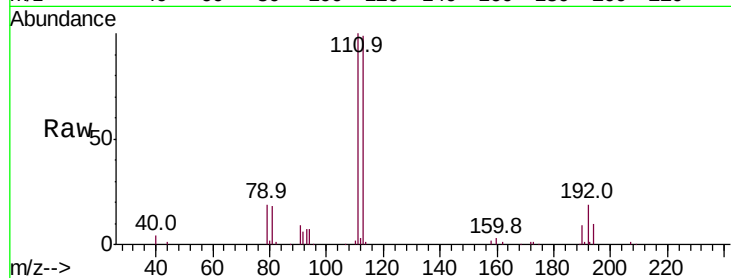




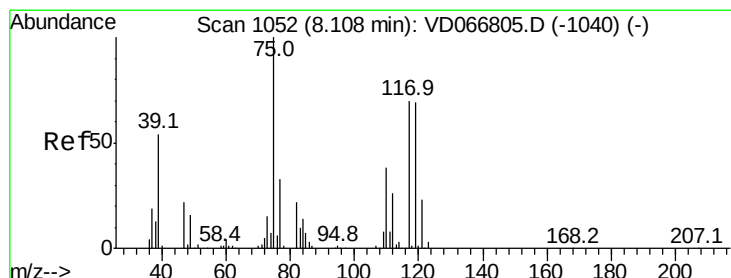
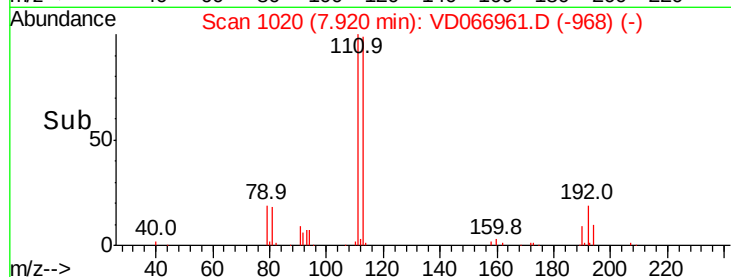
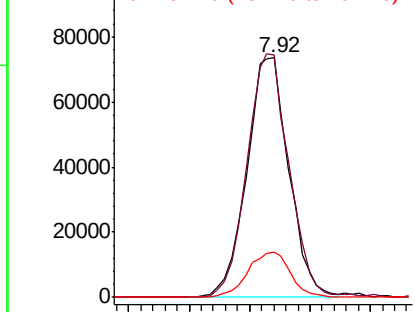
#35
 Dibromofluoromethane
 Concen: 42.553 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD066961.D
 Acq: 30 Sep 2020 02:50

Instrument :
 MSVOA_D
 ClientSampleId :
 B-11(12-14)

Tot Ion:113 Resp: 177738
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.8
 192 19.2 14.4 21.6

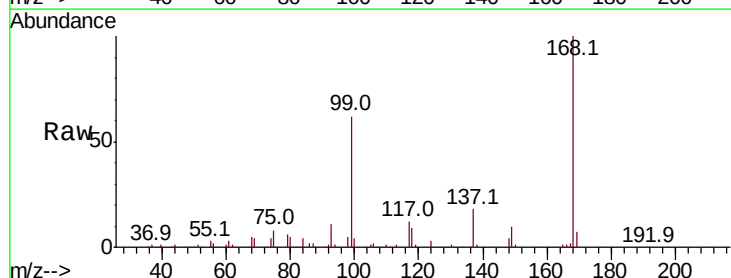


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

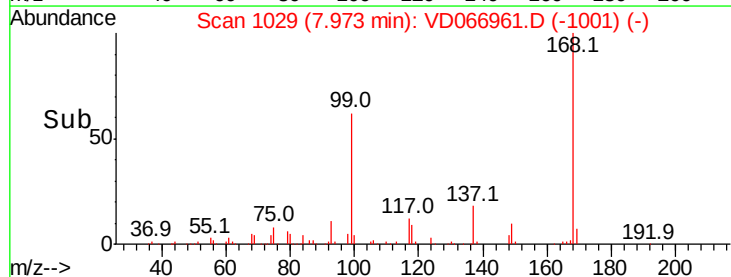
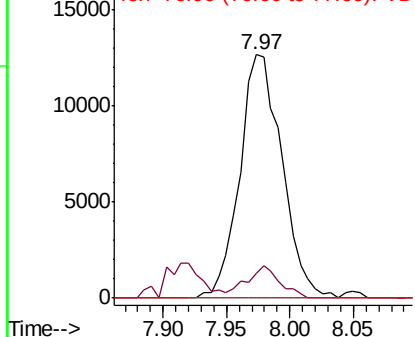


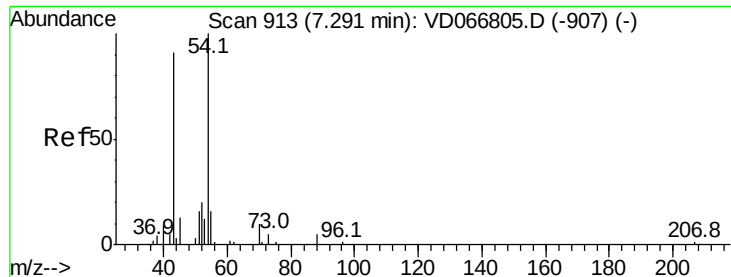
#36
 1,1-Dichloropropene
 Concen: 4.483 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066961.D
 Acq: 30 Sep 2020 02:50

Tgt Ion: 75 Resp: 29200
 Ion Ratio Lower Upper
 75 100
 110 10.4 17.9 53.8#
 77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 2.698 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.08 min

Lab File: VD066961.D

Acq: 30 Sep 2020 02:50

Instrument :

MSVOA_D

ClientSampleID :

B-11(12-14)

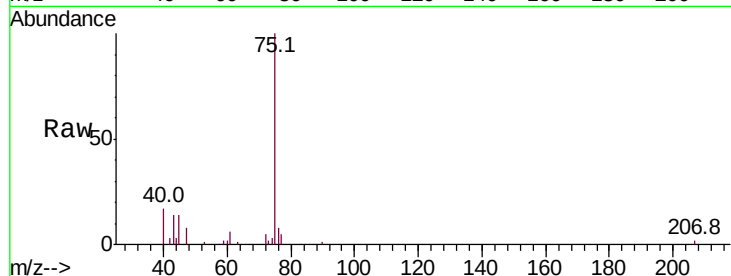
Tot Ion: 43 Resp: 6352

Ion Ratio Lower Upper

43 100

61 29.8 9.8 14.8#

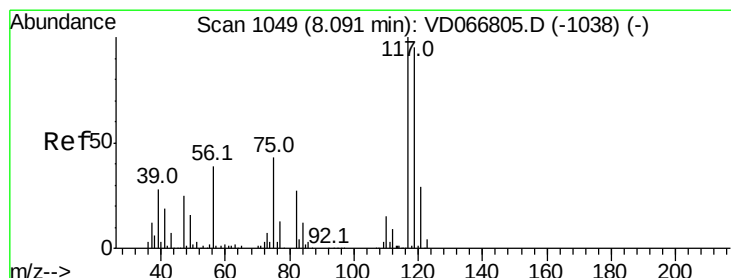
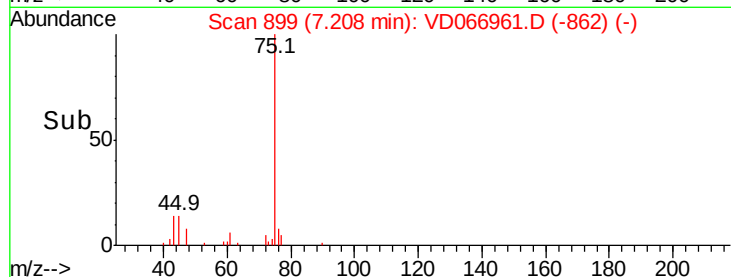
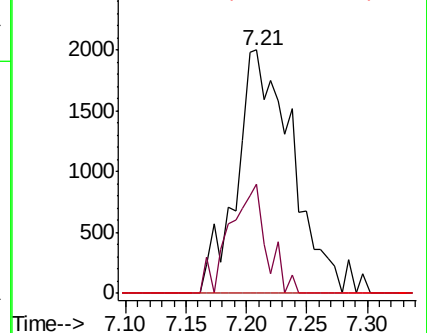
70 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.708 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066961.D

Acq: 30 Sep 2020 02:50

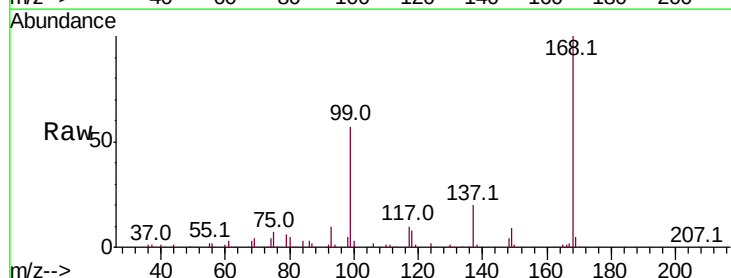
Tgt Ion: 117 Resp: 40647

Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.8#

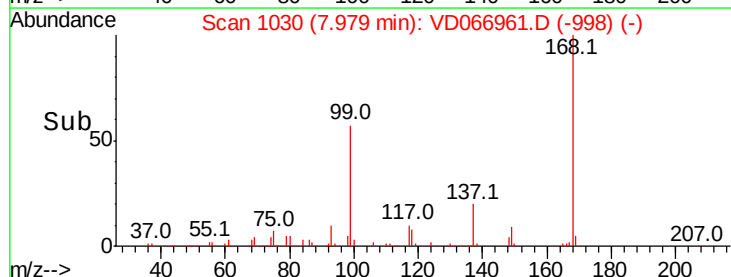
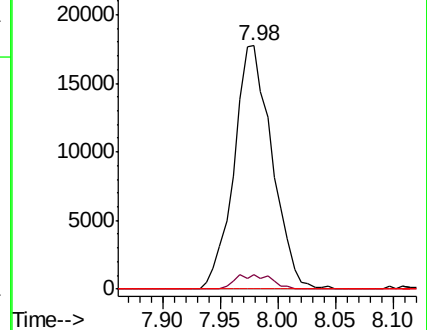
121 0.0 23.4 35.0#

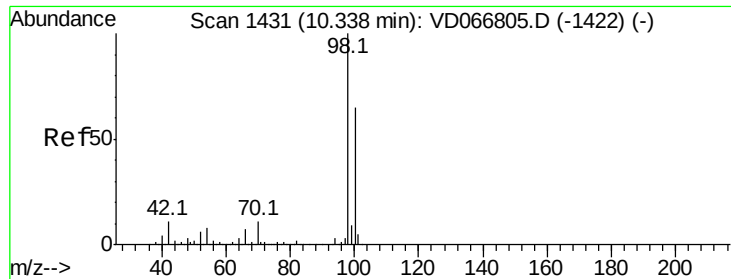


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

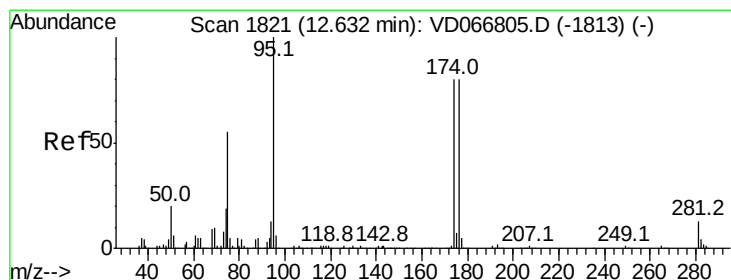
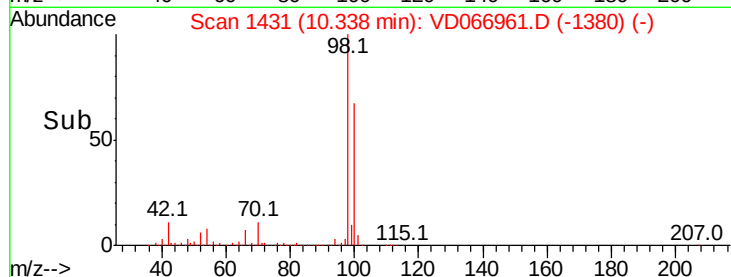
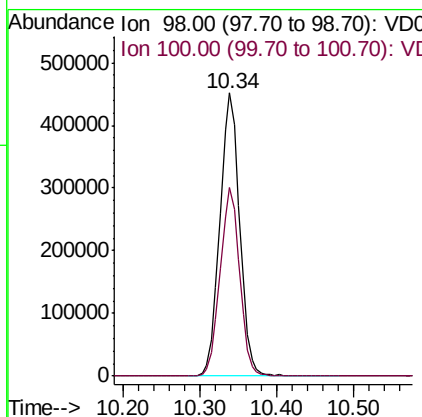
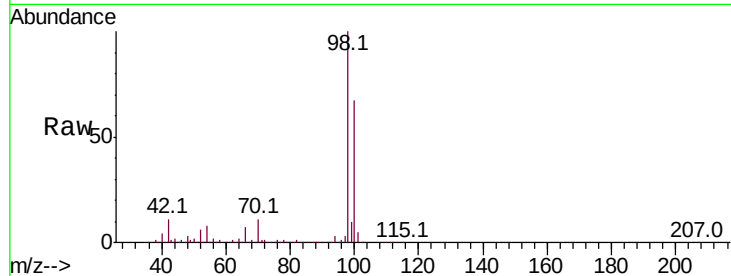




#50
Toluene-d8
Concen: 56.558 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066961.D
Acq: 30 Sep 2020 02:50

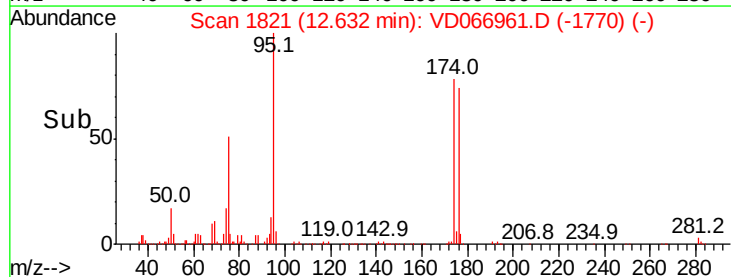
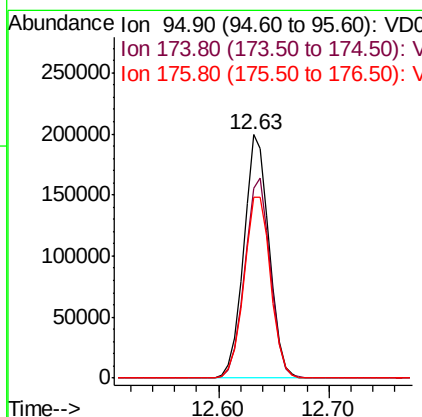
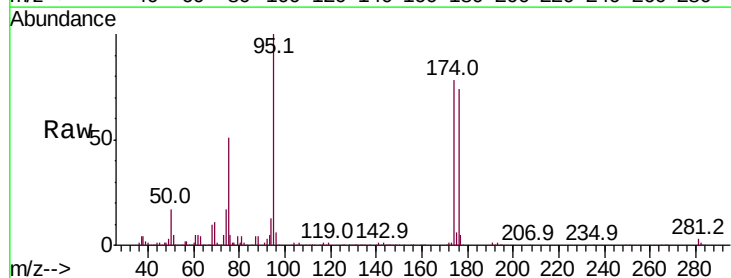
Instrument :
MSVOA_D
ClientSampleId :
B-11(12-14)

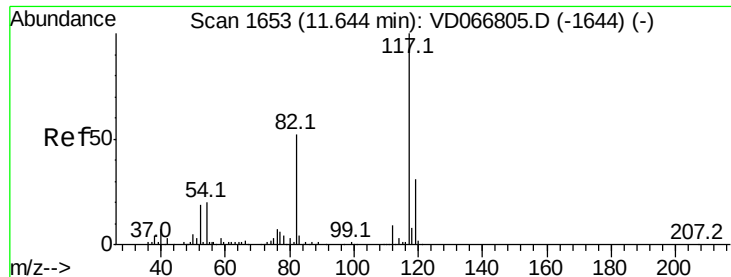
Tot Ion: 98 Resp: 804901
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 65.841 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066961.D
Acq: 30 Sep 2020 02:50

Tgt Ion: 95 Resp: 320768
Ion Ratio Lower Upper
95 100
174 83.0 0.0 159.8
176 78.4 0.0 154.4

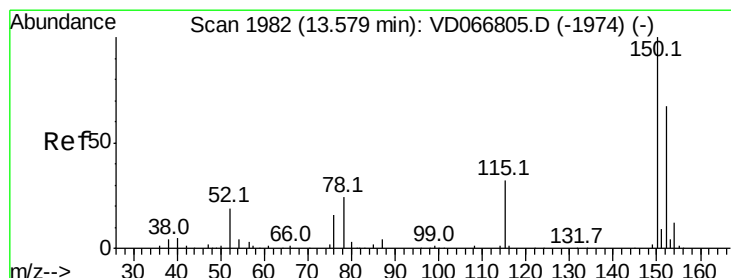
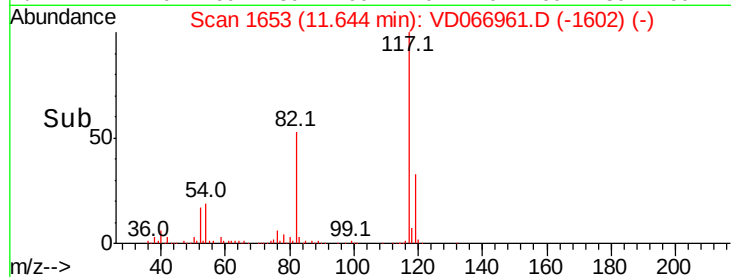
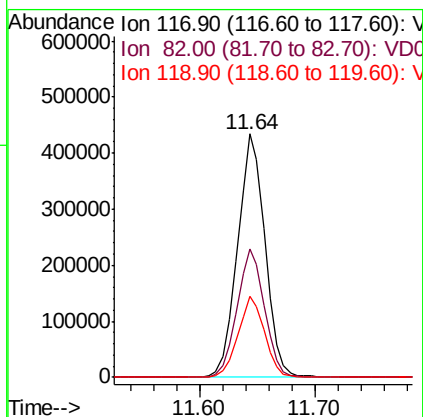
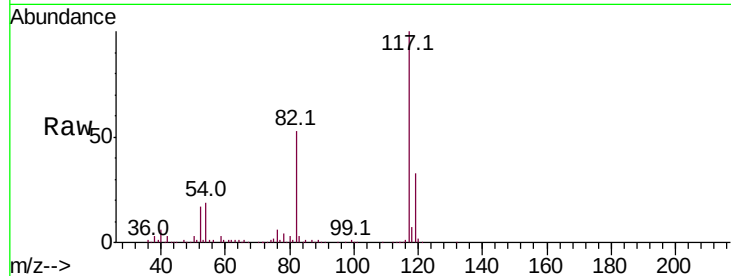




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066961.D
Acq: 30 Sep 2020 02:50

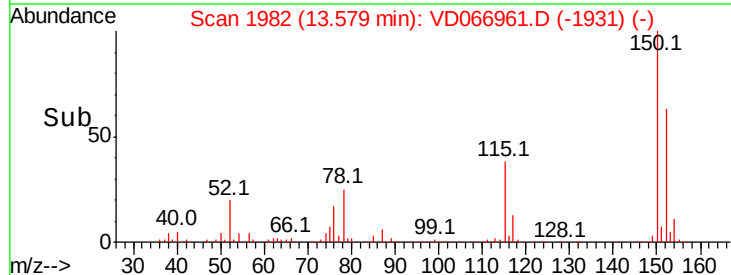
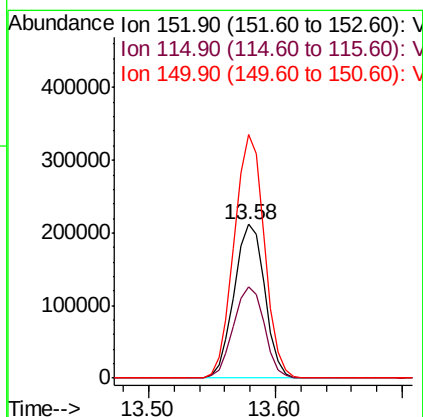
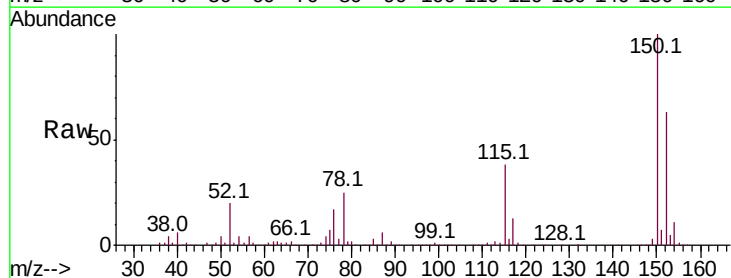
Instrument :
MSVOA_D
ClientSampleId :
B-11(12-14)

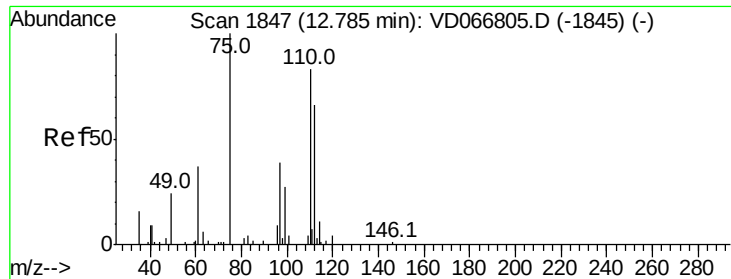
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.8	62.6
119	33.2	24.6	37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066961.D
Acq: 30 Sep 2020 02:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.3	91.0
150	155.0	0.0	346.2





#76

1,2,3-Trichloropropane

Concen: 56.171 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066961.D

Acq: 30 Sep 2020 02:50

Instrument :

MSVOA_D

ClientSampleId :

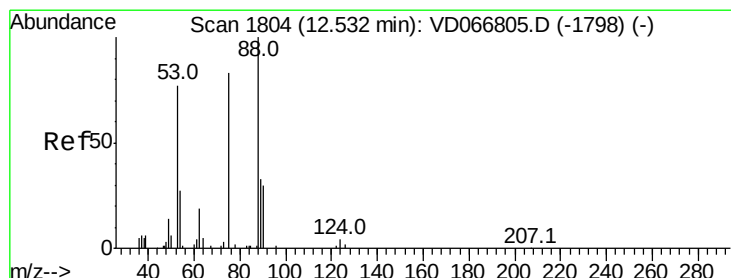
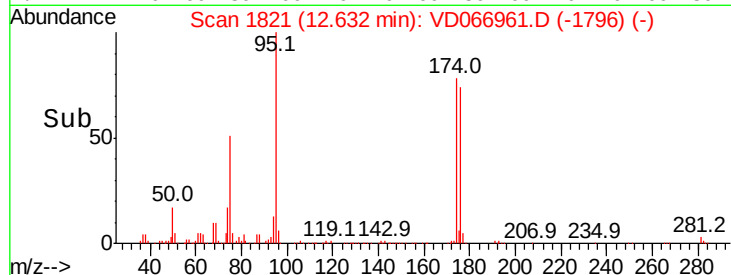
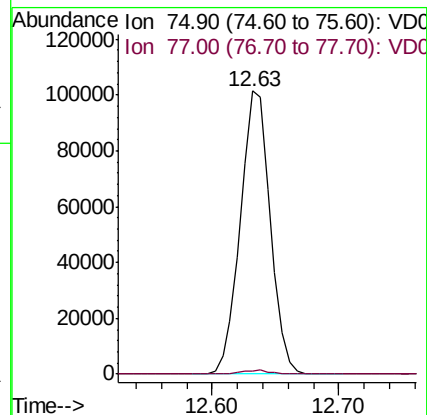
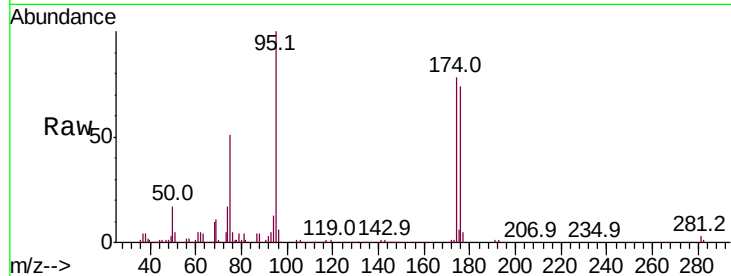
B-11(12-14)

Tot Ion: 75 Resp: 165544

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.534 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066961.D

Acq: 30 Sep 2020 02:50

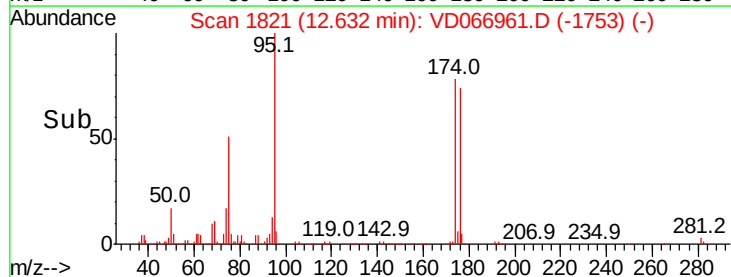
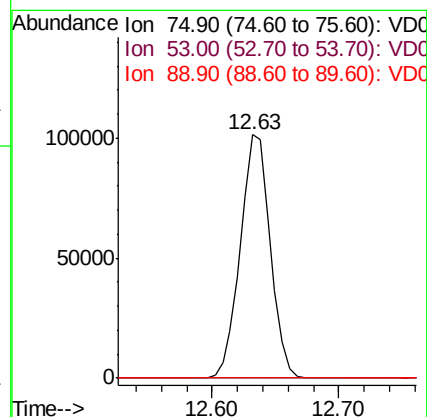
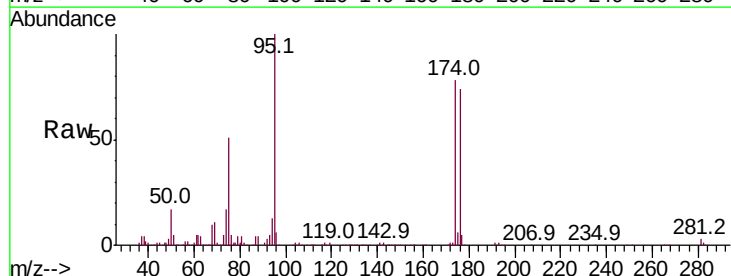
Tgt Ion: 75 Resp: 165544

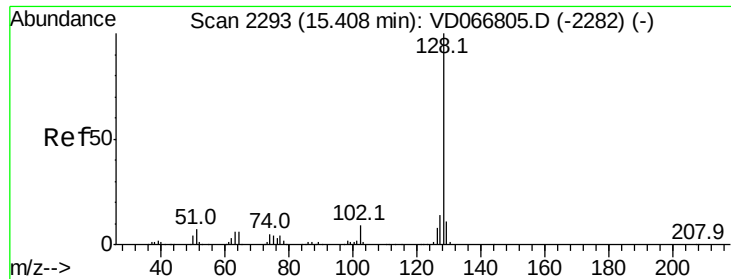
Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 38.1 57.1#

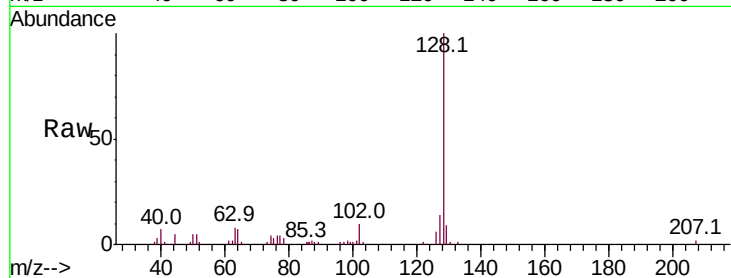




#95
Naphthalene
Concen: 4.928 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066961.D
Acq: 30 Sep 2020 02:50

Instrument :
MSVOA_D
ClientSampleId :
B-11(12-14)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	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

