

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066978.D
 Acq On : 30 Sep 2020 17:15
 Operator : VA/SY
 Sample : L4193-06
 Misc : 5.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-14(11-13)

Quant Time: Oct 01 00:56:56 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	501683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	828709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	819064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	384234	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	237169	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	7.91	113	259311	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	10.34	98	990405	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	
62) 4-Bromofluorobenzene	12.64	95	353229	57.44	ug/l	0.00
Spiked Amount			Recovery	=	114.88%	

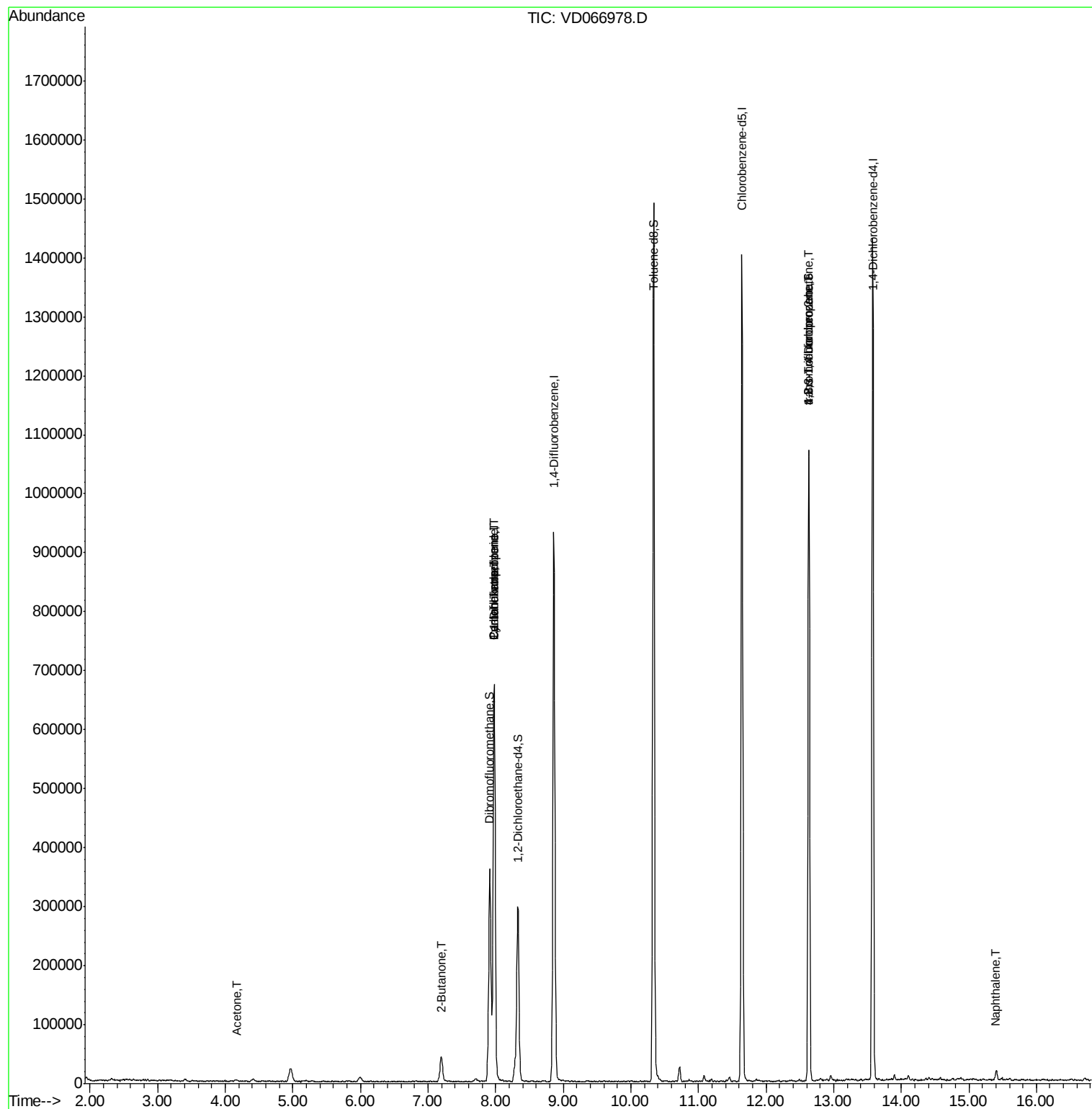
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	563	Below Cal	#	46
11) Tert butyl alcohol	5.18	59	2083	Below Cal	#	72
16) Acetone	4.17	43	5444	5.226	ug/l	98
18) Methyl Acetate	4.91	43	93	Below Cal	#	50
20) Methylene Chloride	4.97	84	18169	Below Cal	#	92
25) 2-Butanone	7.20	43	2612	2.087	ug/l #	46
31) Cyclohexane	7.97	56	10518	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	38207	4.647	ug/l #	49
38) Carbon Tetrachloride	7.98	117	52756	5.869	ug/l #	16
49) 1,4-Dioxane	9.28	88	56	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.63	75	179998	56.528	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	179998	141.428	ug/l #	10
95) Naphthalene	15.41	128	13364	1.140	ug/l #	86

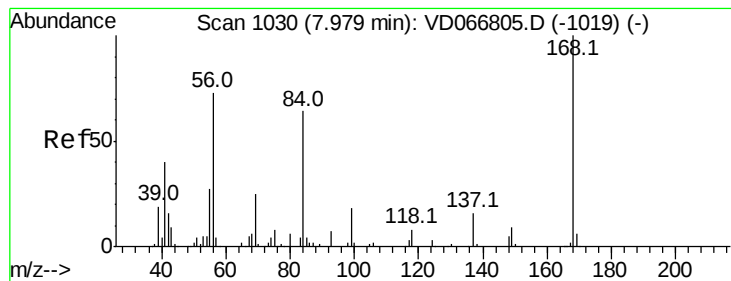
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD093020\
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Quant Title : SW846 8260
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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: VD066978.D

Acq: 30 Sep 2020 17:15

Instrument :

MSVOA_D

ClientSampleId :

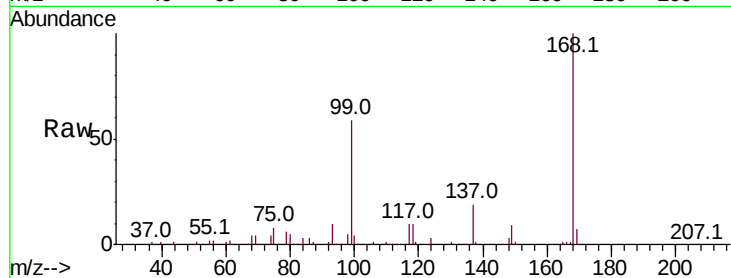
B-14(11-13)

Tot Ion:168 Resp: 501683

Ion Ratio Lower Upper

168 100

99 58.8 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

250000

200000

150000

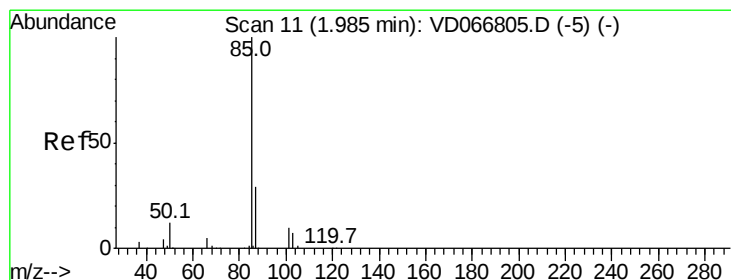
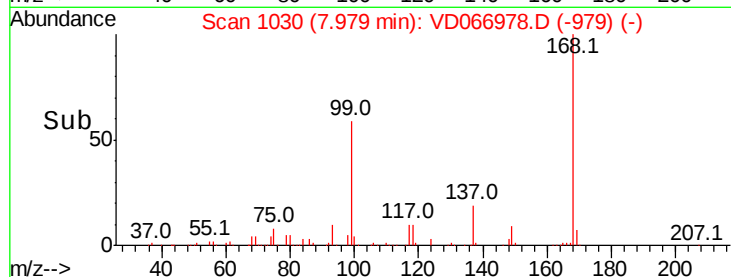
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066978.D

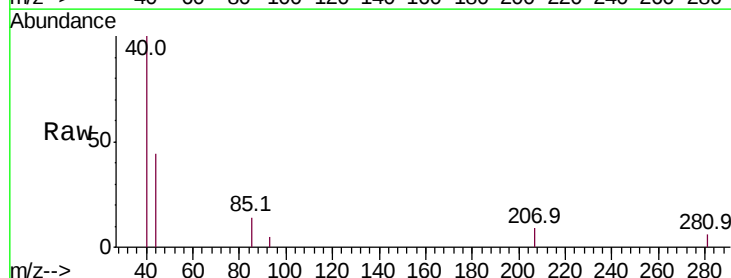
Acq: 30 Sep 2020 17:15

Tgt Ion: 85 Resp: 563

Ion Ratio Lower Upper

85 100

87 0.0 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

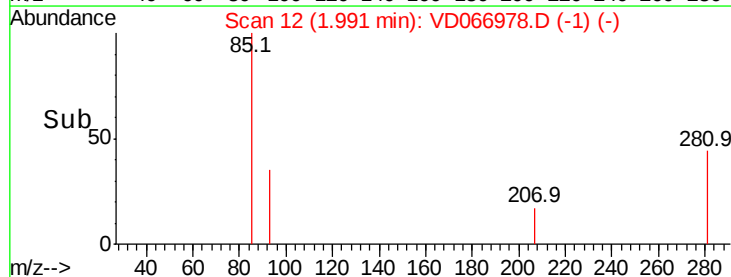
200

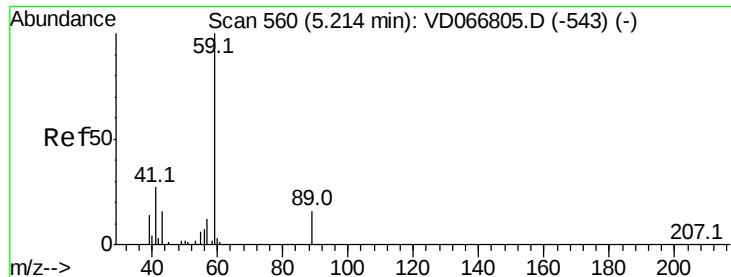
100

0

1.96 1.98 2.00 2.02

Time-->



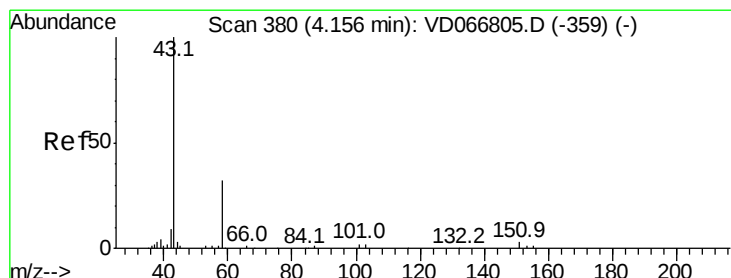
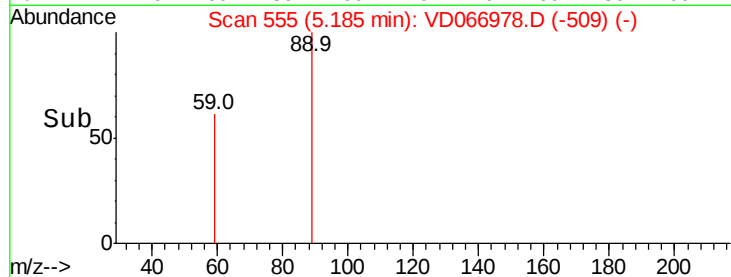
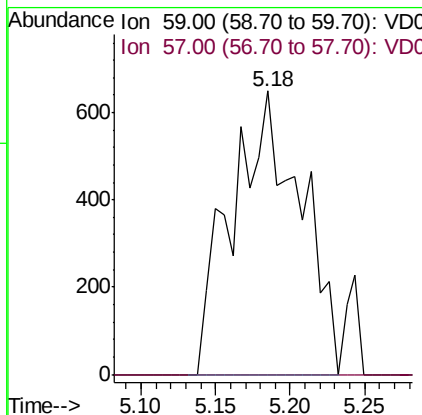
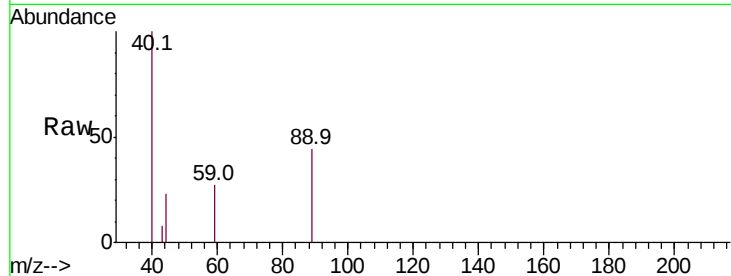


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 555
 Delta R.T. -0.03 min
 Lab File: VD066978.D
 Acq: 30 Sep 2020 17:15

Instrument :
 MSVOA_D
 ClientSampleId :
 B-14(11-13)

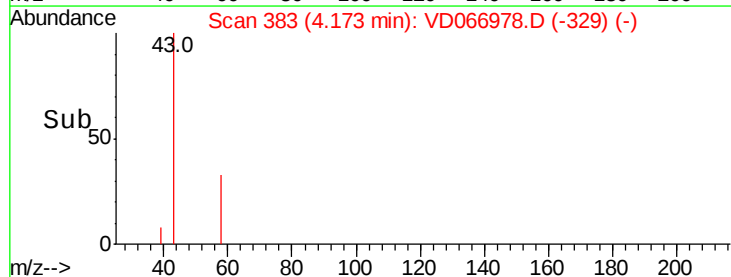
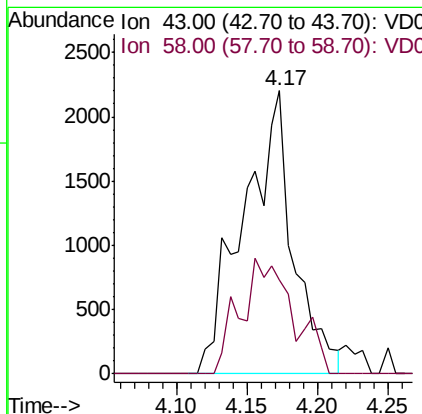
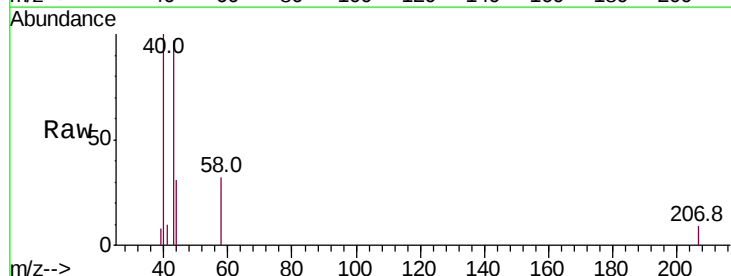
Tot Ion: 59 Resp: 2083
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

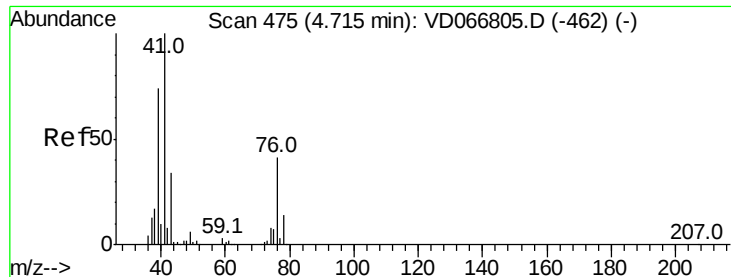


#16

Acetone
 Concen: 5.226 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD066978.D
 Acq: 30 Sep 2020 17:15

Tgt Ion: 43 Resp: 5444
 Ion Ratio Lower Upper
 43 100
 58 33.3 25.6 38.4

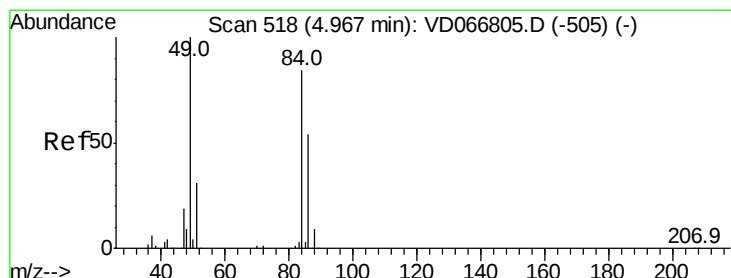
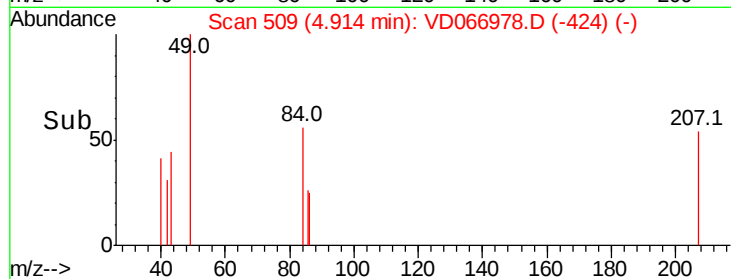
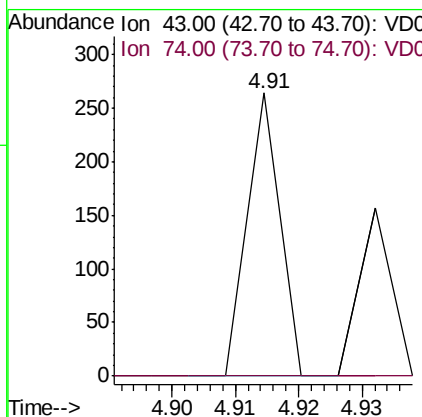
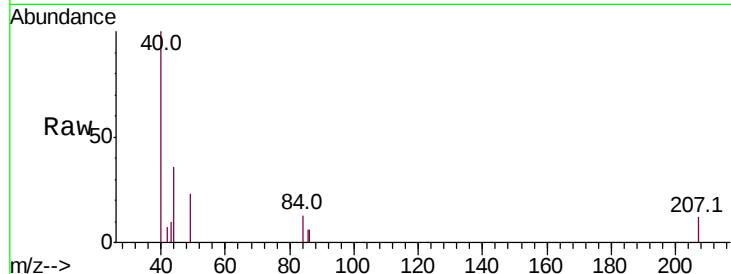




#18
Methyl Acetate
Concen: Below Cal
RT: 4.91 min Scan# 509
Delta R.T. 0.20 min
Lab File: VD066978.D
Acq: 30 Sep 2020 17:15

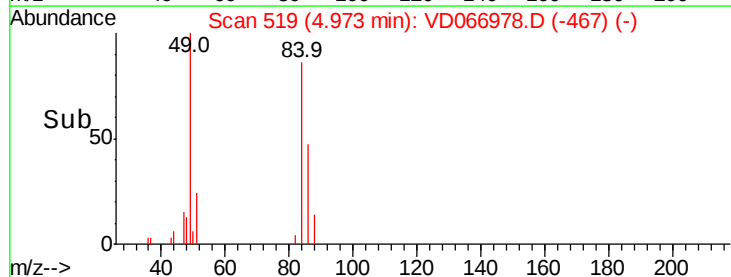
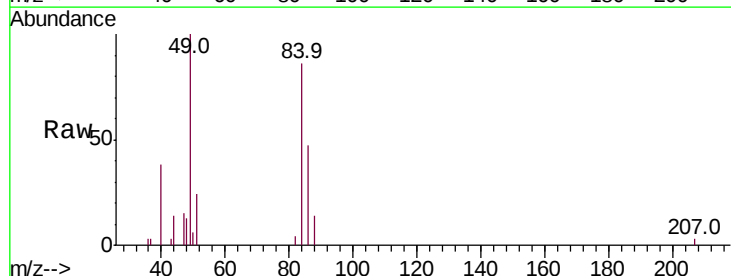
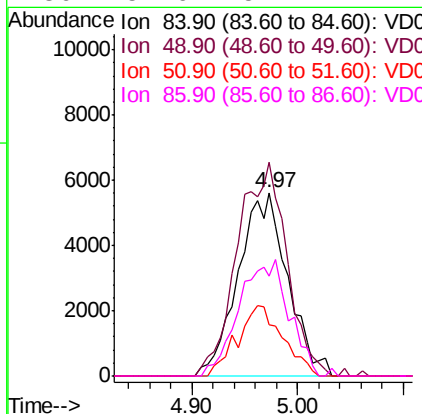
Instrument :
MSVOA_D
ClientSampled :
B-14(11-13)

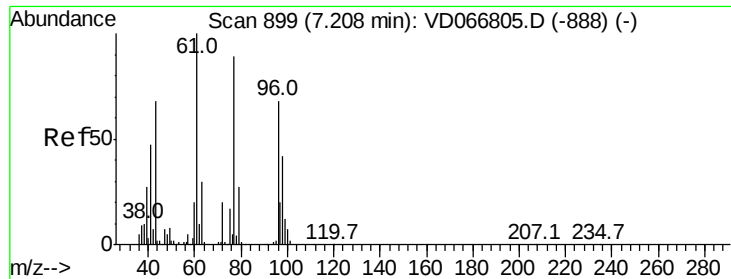
Tot Ion: 43 Resp: 93
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066978.D
Acq: 30 Sep 2020 17:15

Tgt Ion: 84 Resp: 18169
Ion Ratio Lower Upper
84 100
49 116.4 95.4 143.2
51 28.1 29.7 44.5#
86 54.6 51.4 77.2





#25

2-Butanone

Concen: 2.087 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066978.D

Acq: 30 Sep 2020 17:15

Instrument :

MSVOA_D

ClientSampleId :

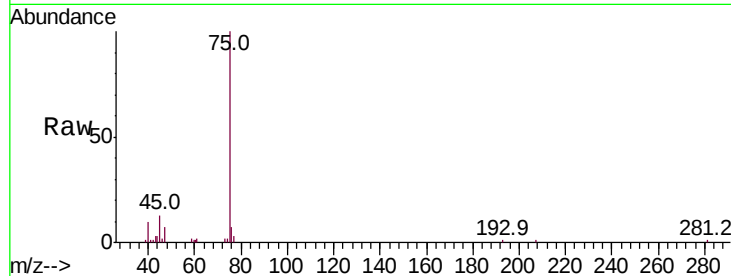
B-14(11-13)

Tot Ion: 43 Resp: 2612

Ion Ratio Lower Upper

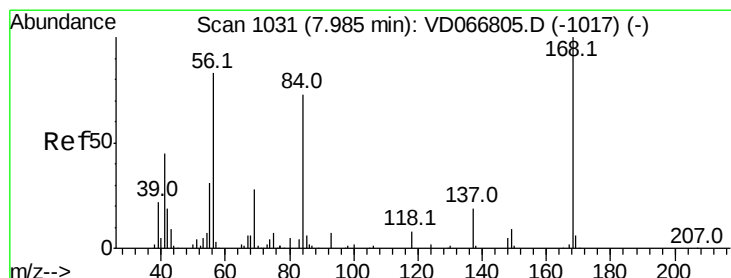
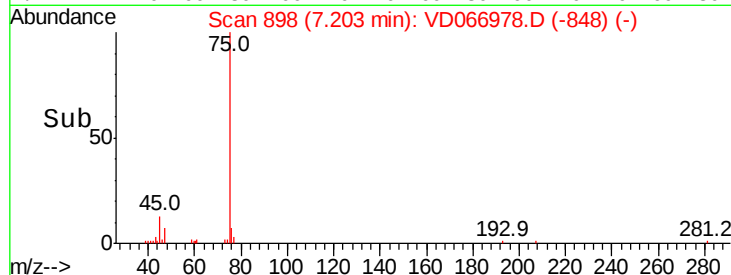
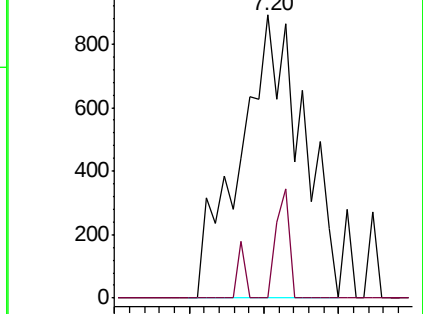
43 100

72 0.0 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: 1.178 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066978.D

Acq: 30 Sep 2020 17:15

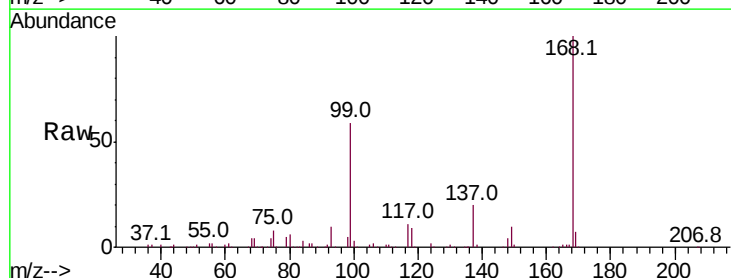
Tgt Ion: 56 Resp: 10518

Ion Ratio Lower Upper

56 100

69 200.2 27.0 40.4#

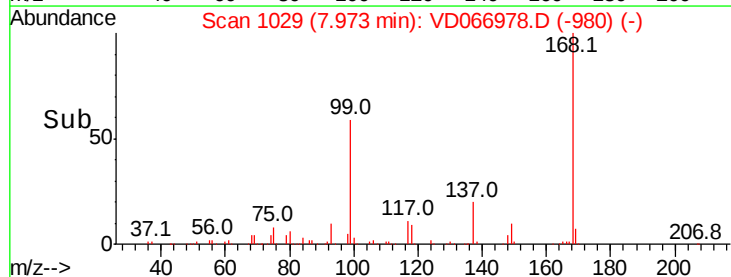
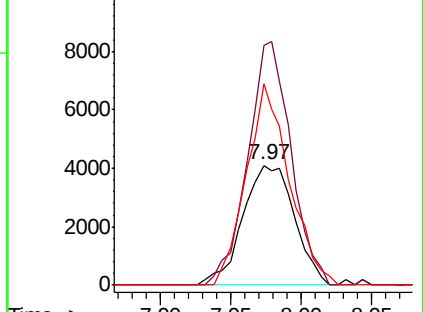
84 168.4 70.2 105.4#

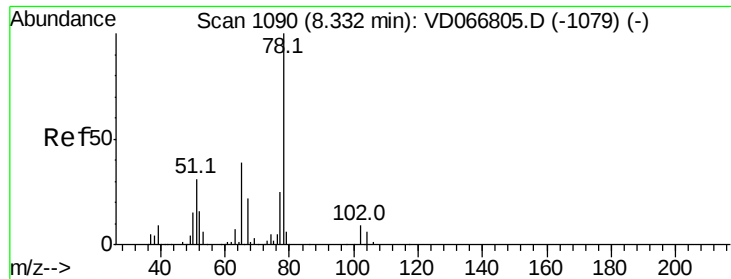


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

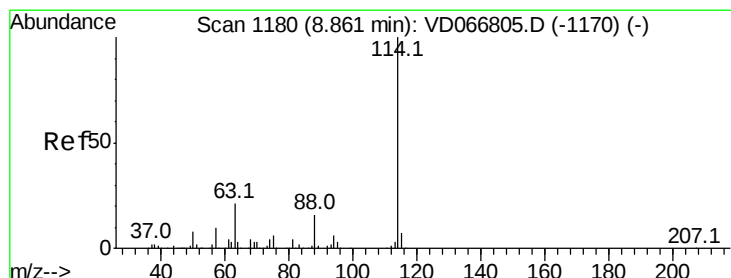
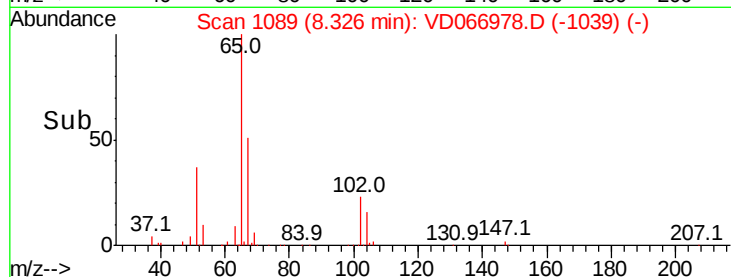
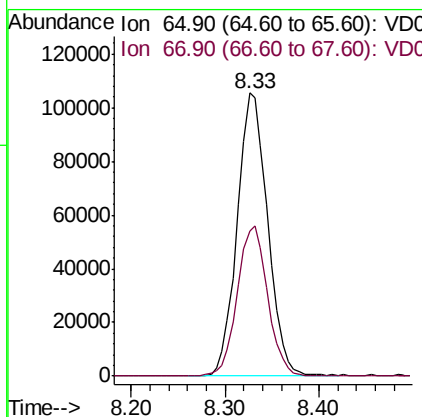
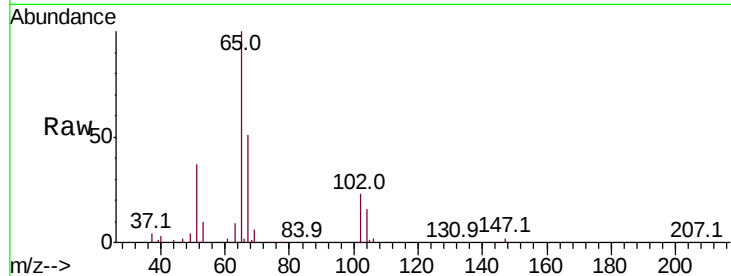




#33
 1,2-Dichloroethane-d4
 Concen: 48.301 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066978.D
 Acq: 30 Sep 2020 17:15

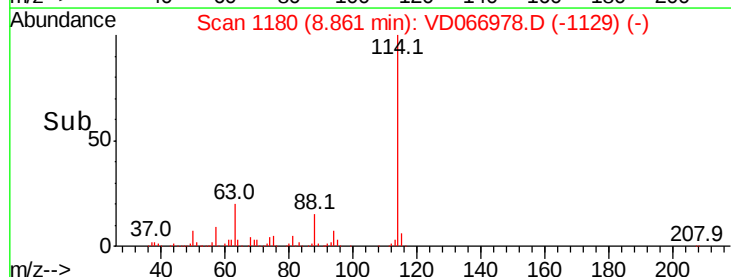
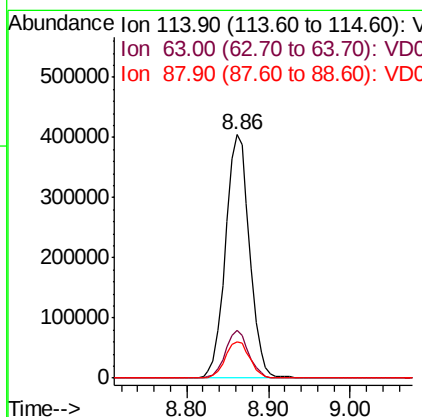
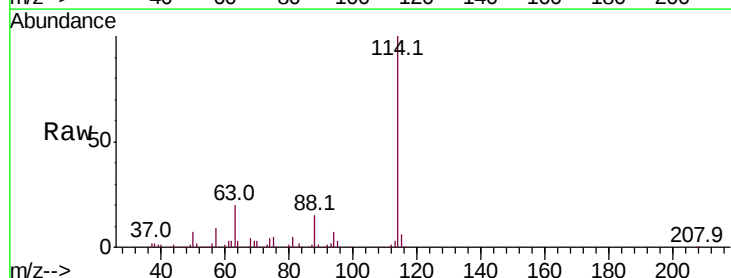
Instrument :
 MSVOA_D
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 B-14(11-13)

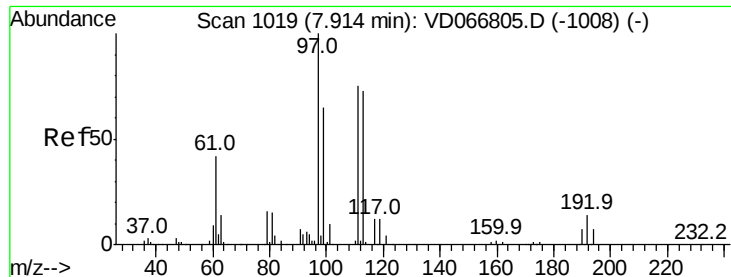
Tot Ion: 65 Resp: 237169
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066978.D
 Acq: 30 Sep 2020 17:15

Tgt Ion: 114 Resp: 828709
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.6
 88 15.0 0.0 32.6

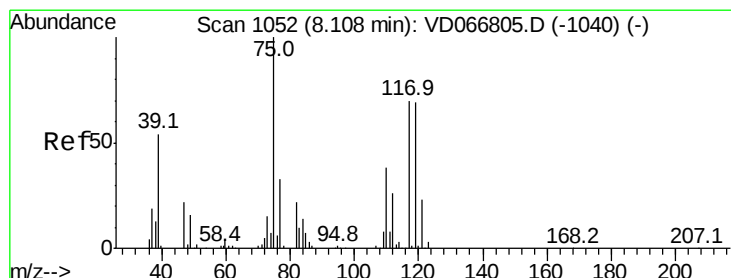
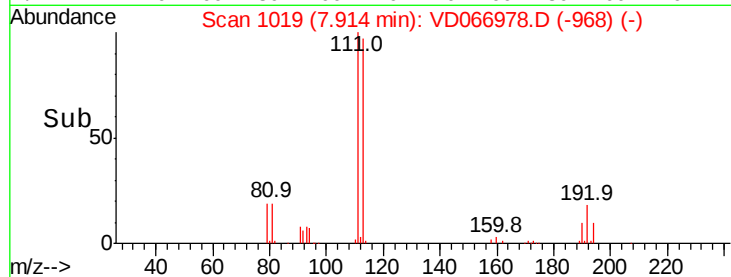
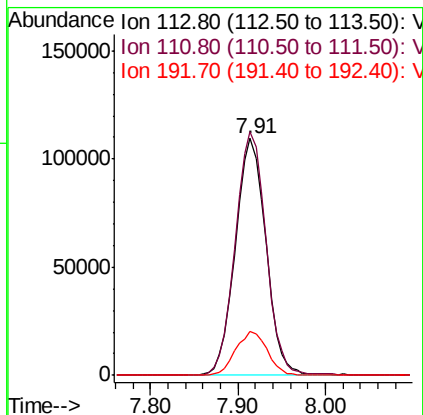
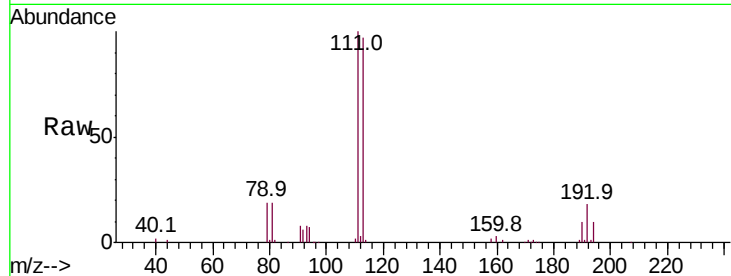




#35
 Dibromofluoromethane
 Concen: 49.184 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066978.D
 Acq: 30 Sep 2020 17:15

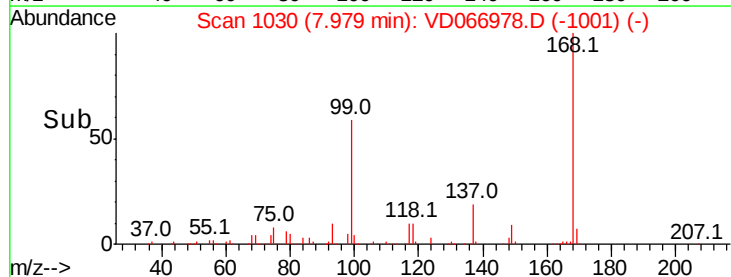
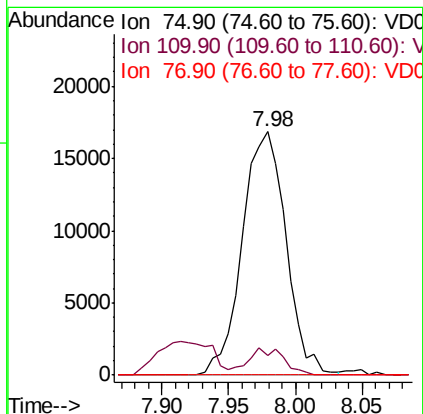
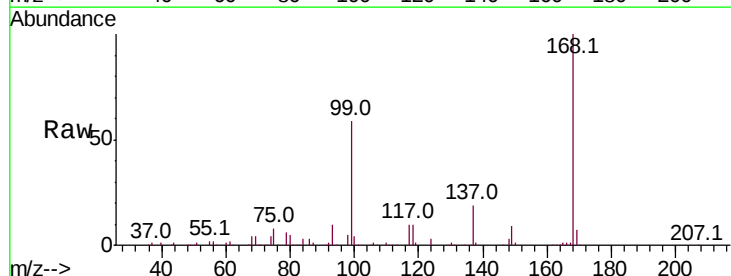
Instrument :
 MSVOA_D
 ClientSampleId :
 B-14(11-13)

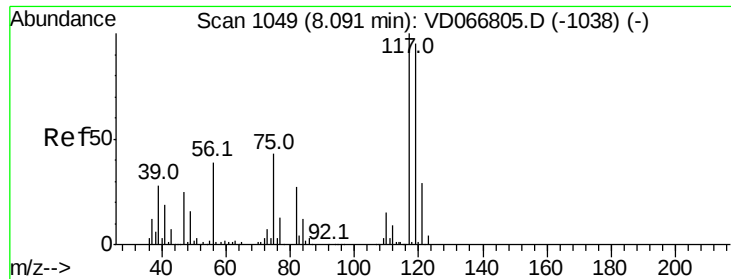
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	19.0	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 4.647 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066978.D
 Acq: 30 Sep 2020 17:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.9	53.8#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.869 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066978.D

Acq: 30 Sep 2020 17:15

Instrument :

MSVOA_D

ClientSampled :

B-14(11-13)

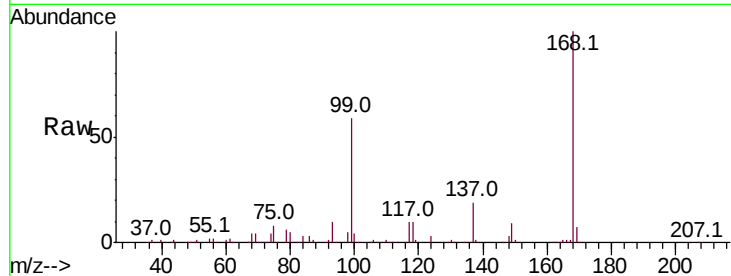
Tot Ion:117 Resp: 52756

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.8#

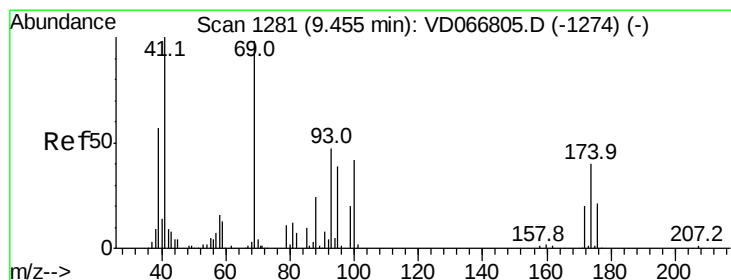
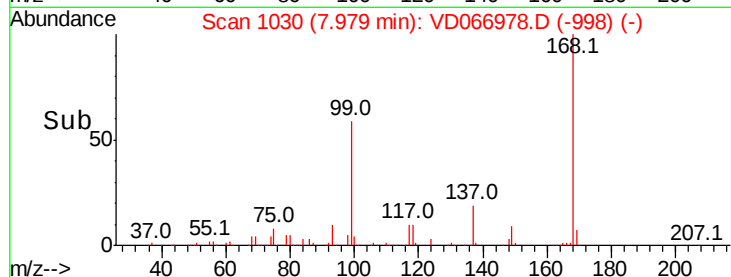
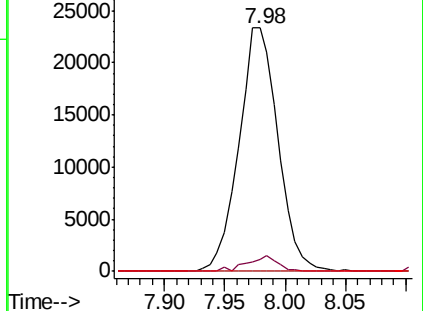
121 0.0 23.4 35.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.28 min Scan# 1252

Delta R.T. -0.17 min

Lab File: VD066978.D

Acq: 30 Sep 2020 17:15

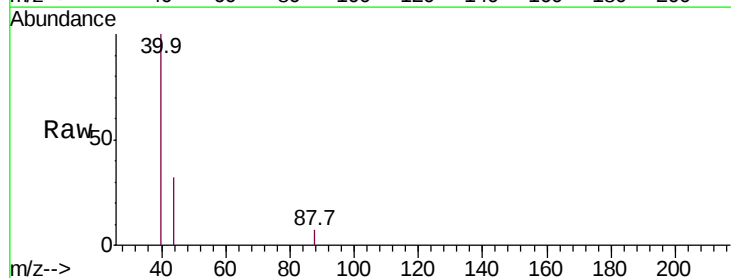
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 141.1 27.7 41.5#

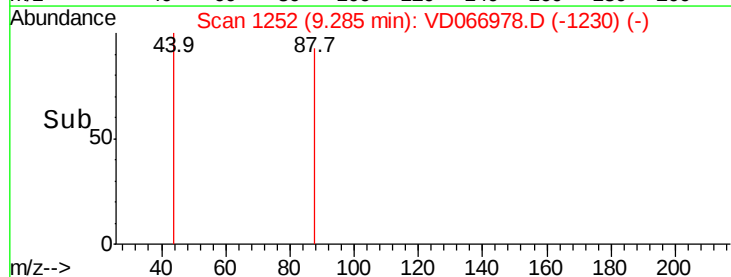
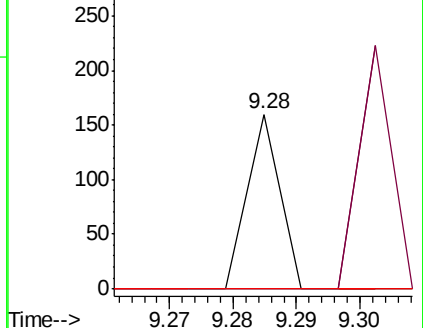
58 0.0 55.5 83.3#

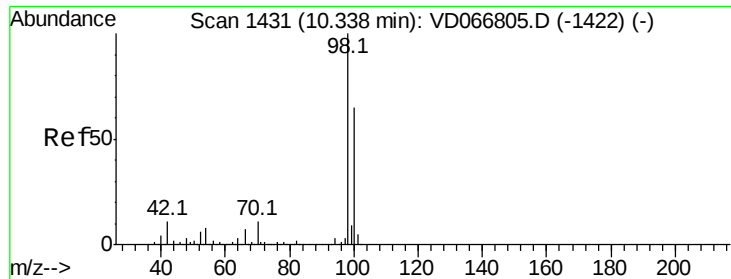


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

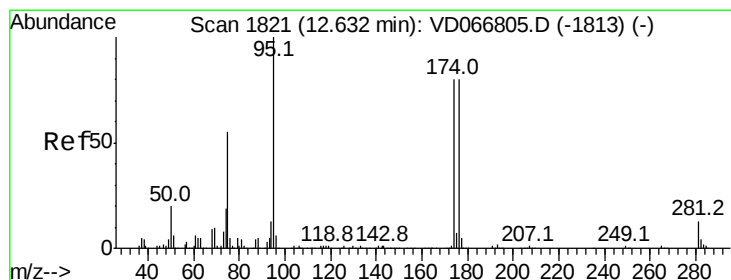
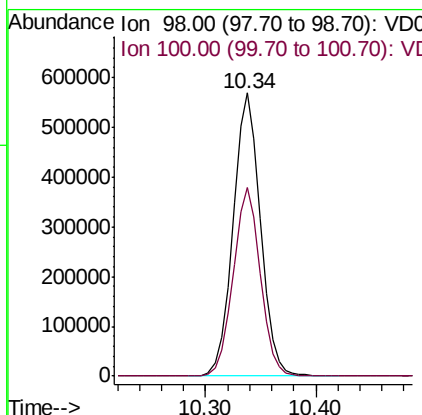
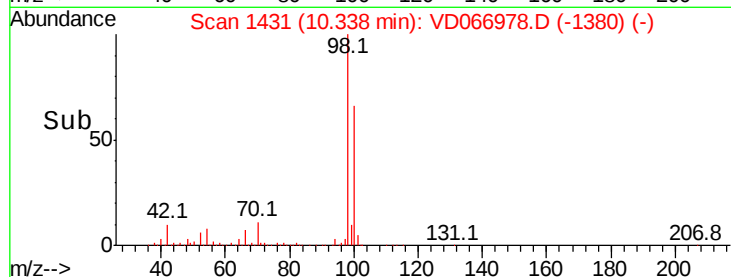
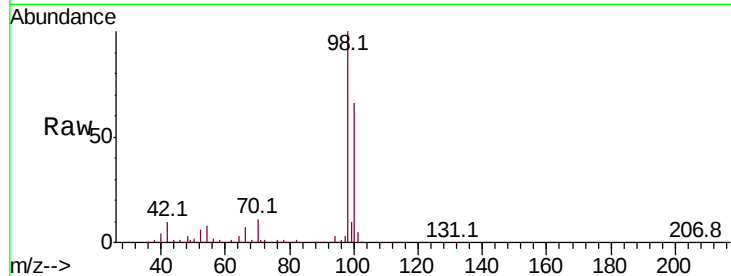




#50
Toluene-d8
Concen: 55.134 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066978.D
Acq: 30 Sep 2020 17:15

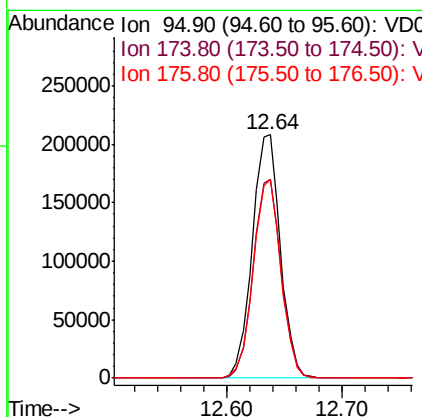
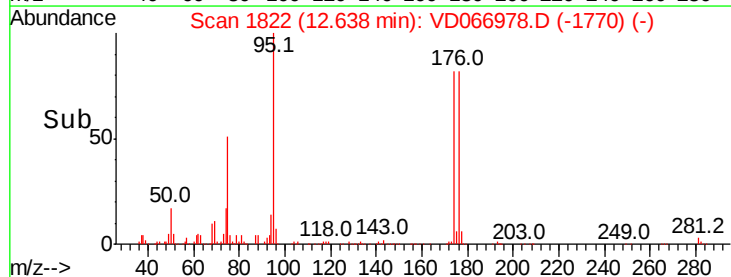
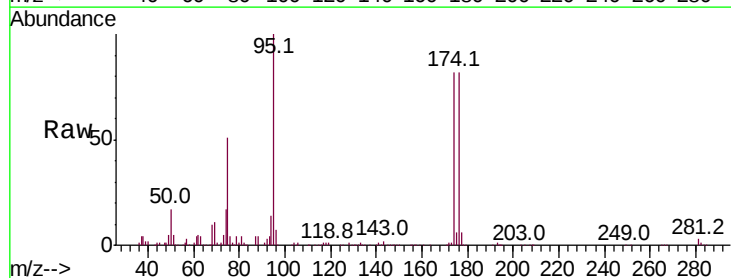
Instrument :
MSVOA_D
ClientSampleId :
B-14(11-13)

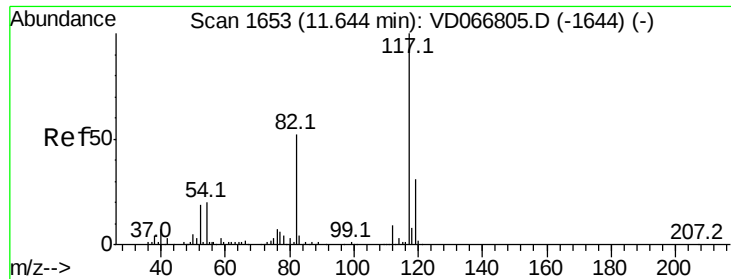
Tot Ion: 98 Resp: 990405
Ion Ratio Lower Upper
98 100
100 66.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 57.440 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD066978.D
Acq: 30 Sep 2020 17:15

Tgt Ion: 95 Resp: 353229
Ion Ratio Lower Upper
95 100
174 81.3 0.0 159.8
176 79.9 0.0 154.4

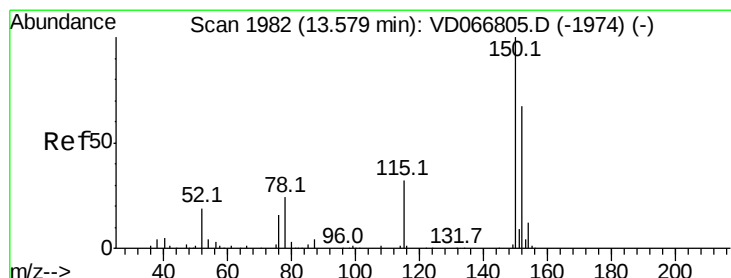
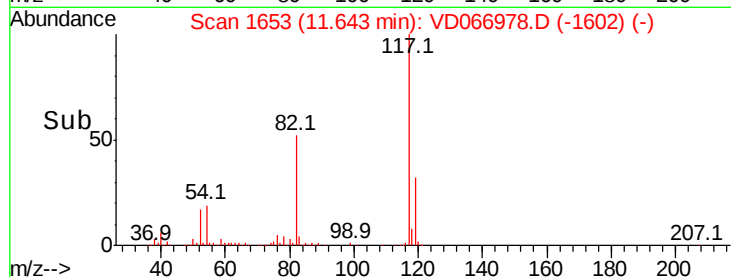
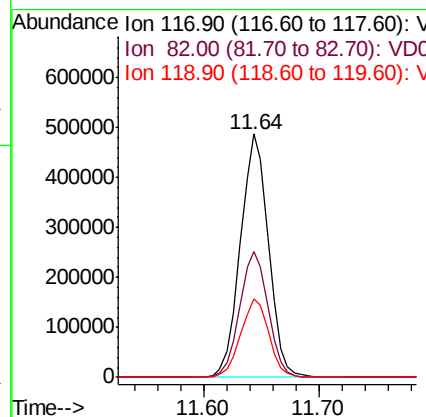
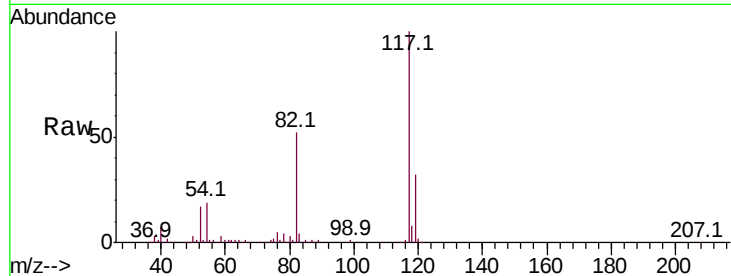




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066978.D
Acq: 30 Sep 2020 17:15

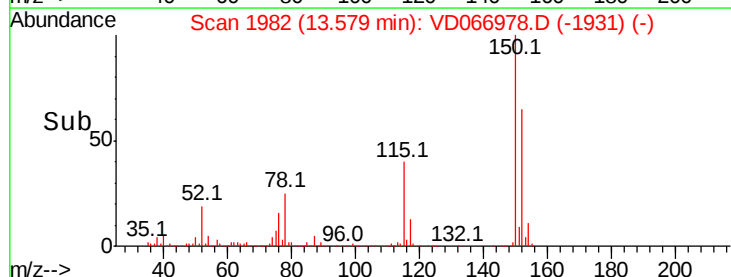
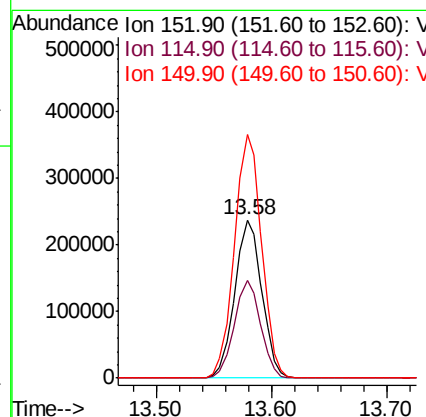
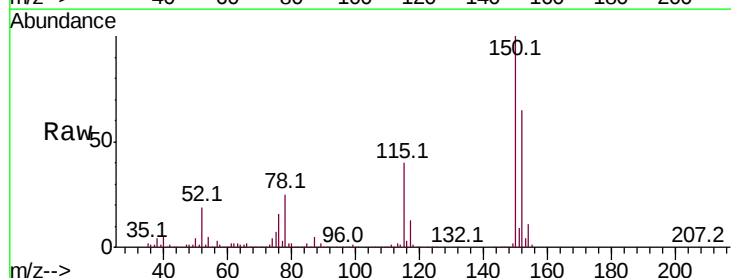
Instrument :
MSVOA_D
ClientSampleId :
B-14(11-13)

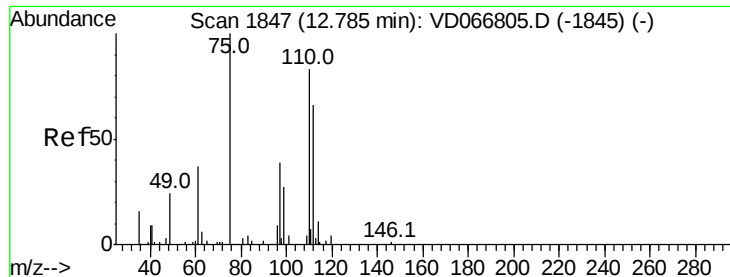
Tot Ion:117 Resp: 819064
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.6
119 32.4 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066978.D
Acq: 30 Sep 2020 17:15

Tgt Ion:152 Resp: 384234
Ion Ratio Lower Upper
152 100
115 60.1 30.3 91.0
150 154.4 0.0 346.2

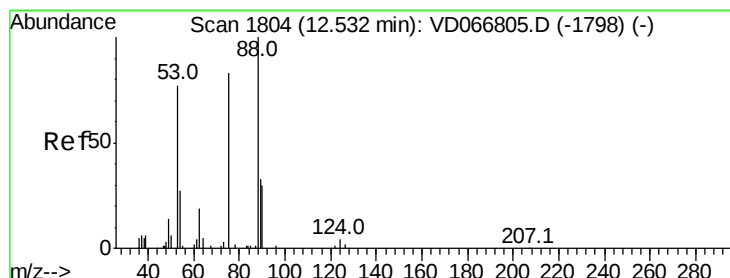
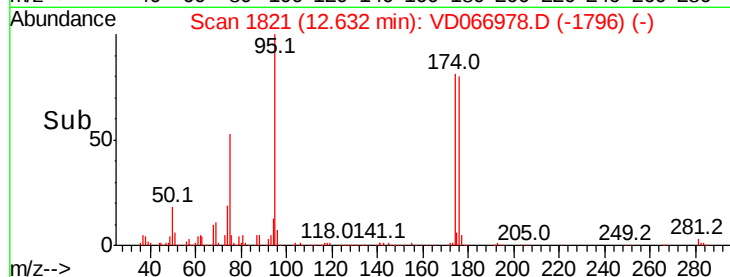
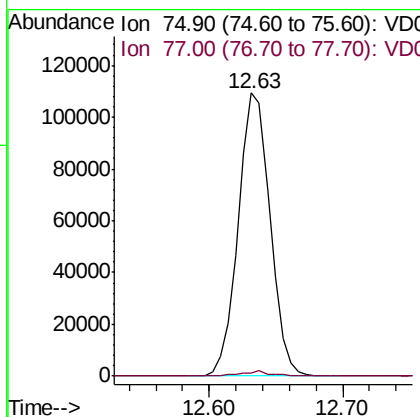
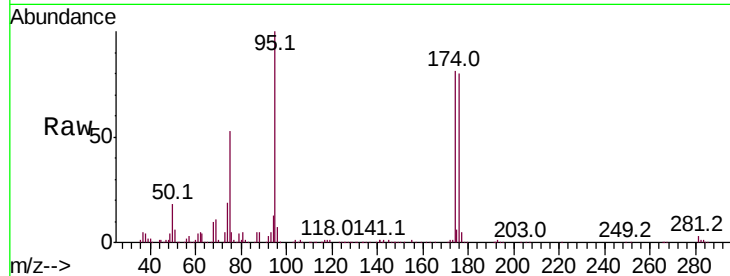




#76
 1,2,3-Trichloropropane
 Concen: 56.528 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066978.D
 Acq: 30 Sep 2020 17:15

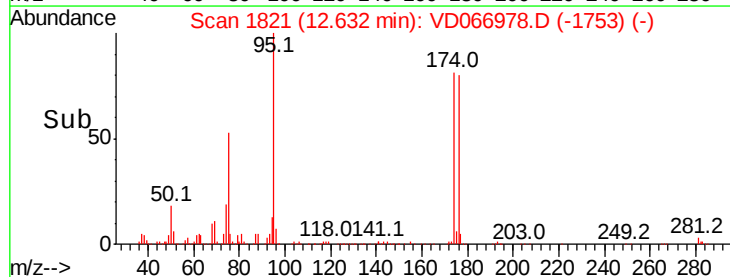
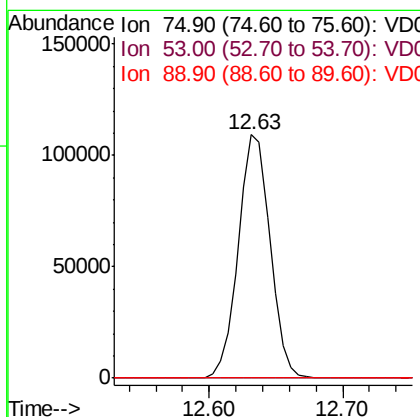
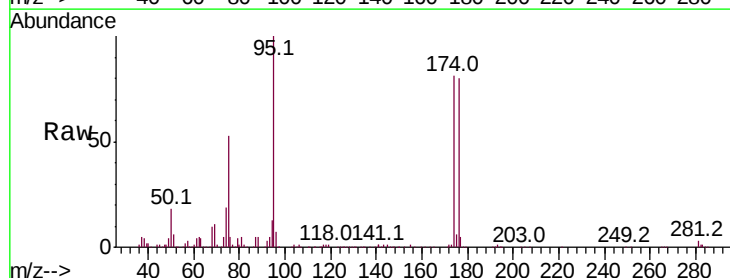
Instrument :
 MSVOA_D
 ClientSampleId :
 B-14(11-13)

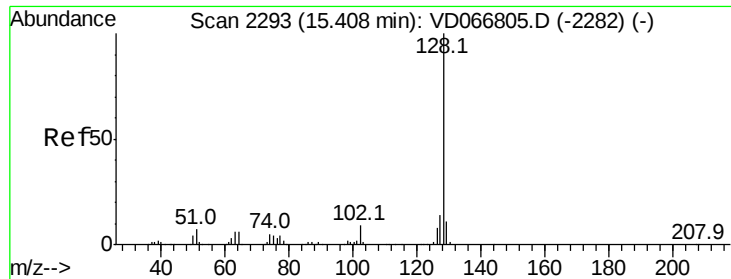
Tot Ion: 75 Resp: 179998
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.428 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066978.D
 Acq: 30 Sep 2020 17:15

Tgt Ion: 75 Resp: 179998
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 38.1 57.1#





#95

Naphthalene

Concen: 1.140 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066978.D

Acq: 30 Sep 2020 17:15

Instrument :

MSVOA_D

ClientSampleId :

B-14(11-13)

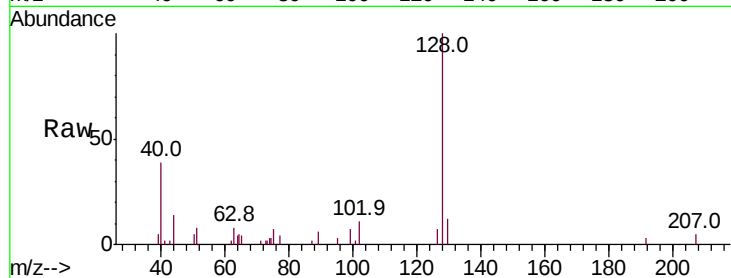
Tot Ion:128 Resp: 13364

Ion Ratio Lower Upper

128 100

127 4.7 10.6 16.0#

129 13.3 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

