

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067551.D
 Acq On : 06 Nov 2020 14:39
 Operator : VA/SY
 Sample : L4656-03
 Misc : 4.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-L14-L13-NORTH

Quant Time: Nov 06 23:29:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	305464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	485034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	484368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243679	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	156723	58.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.36%	
35) Dibromofluoromethane	7.92	113	154054	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.44%	
50) Toluene-d8	10.34	98	564014	54.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.84%	
62) 4-Bromofluorobenzene	12.64	95	209012	58.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.90%	

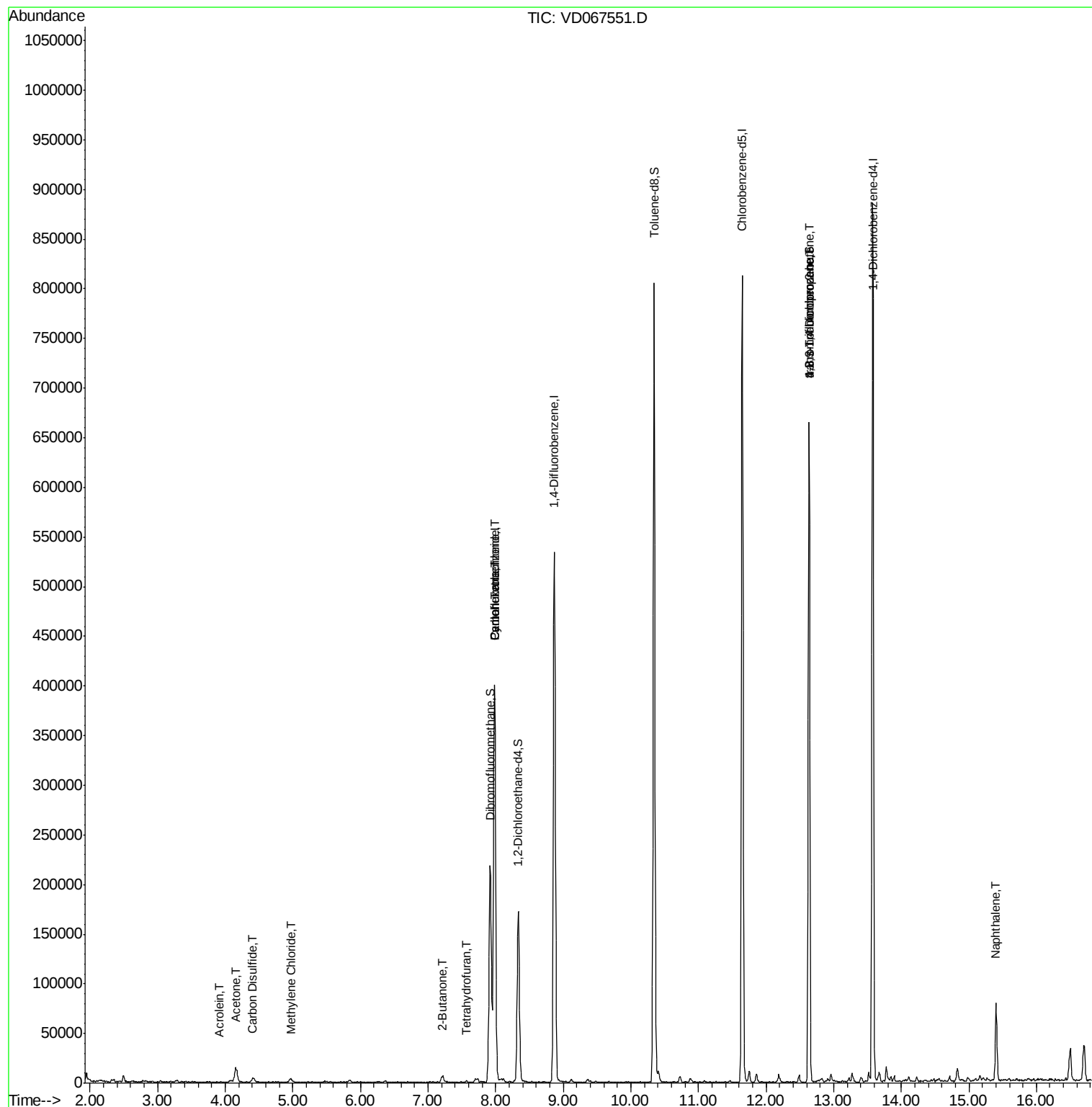
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1132	Below Cal	#	28
11) Tert butyl alcohol	5.22	59	71	Below Cal	#	79
13) Acrolein	3.91	56	79	28.944	ug/l #	15
16) Acetone	4.16	43	27543	68.910	ug/l	99
17) Carbon Disulfide	4.41	76	10356	1.326	ug/l #	88
20) Methylene Chloride	4.97	84	3136	1.111	ug/l #	49
25) 2-Butanone	7.22	43	7420	17.374	ug/l	92
29) Tetrahydrofuran	7.57	42	1025	4.007	ug/l #	69
31) Cyclohexane	7.98	56	6760	1.745	ug/l #	41
38) Carbon Tetrachloride	7.98	117	31680	5.873	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	109261	74.327	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109261	150.903	ug/l #	10
95) Naphthalene	15.40	128	68824	10.287	ug/l	99

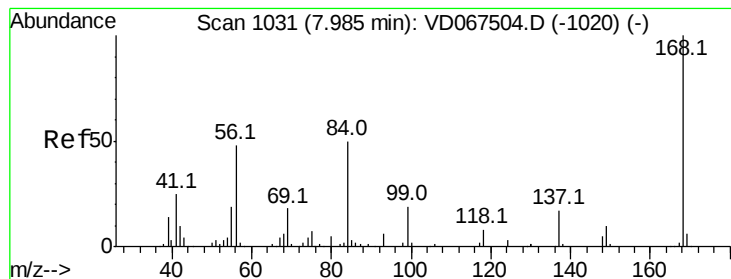
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067551.D

Acq: 06 Nov 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

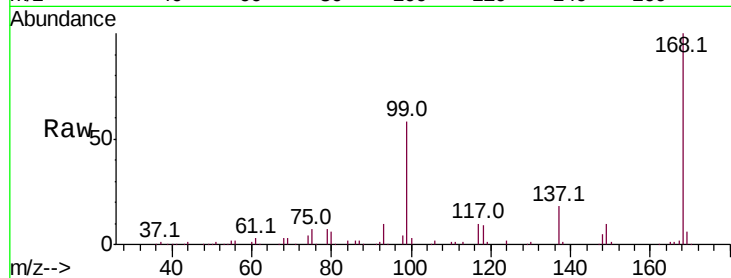
SR-L14-L13-NORTH

Tot Ion:168 Resp: 305464

Ion Ratio Lower Upper

168 100

99 57.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

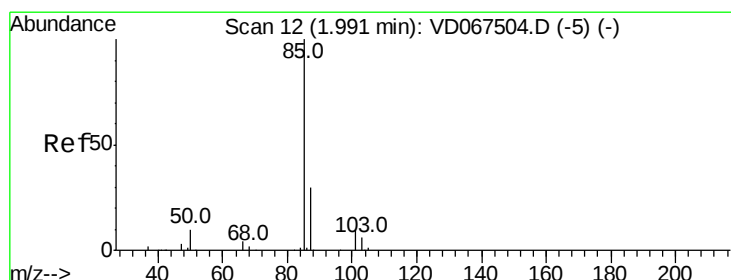
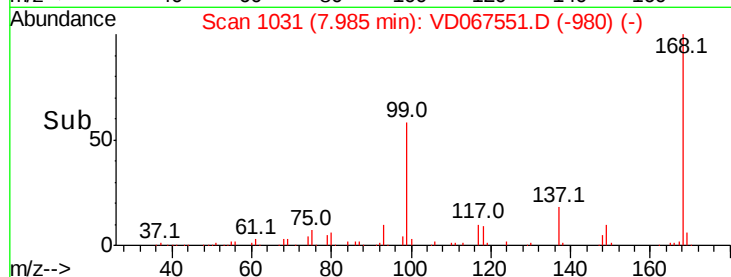
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067551.D

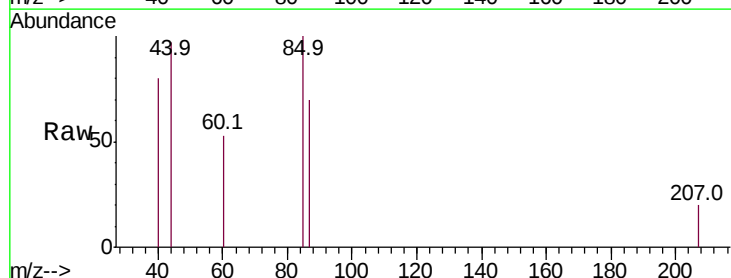
Acq: 06 Nov 2020 14:39

Tgt Ion: 85 Resp: 1132

Ion Ratio Lower Upper

85 100

87 69.7 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1000

800

600

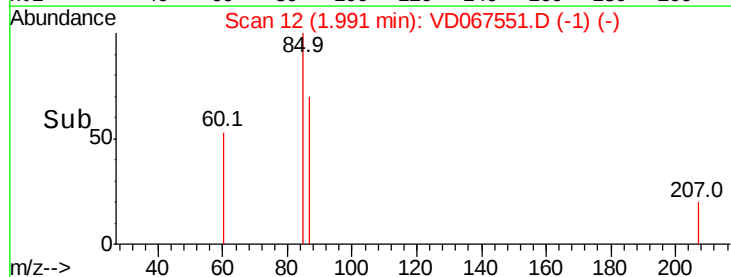
400

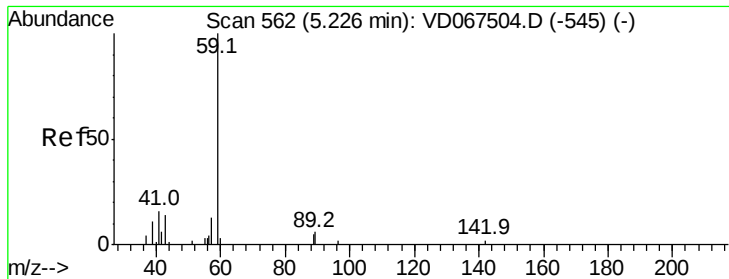
200

0

Time-->

1.94 1.96 1.98 2.00 2.02



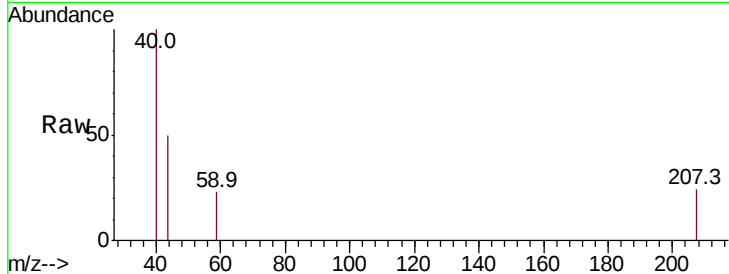


#11

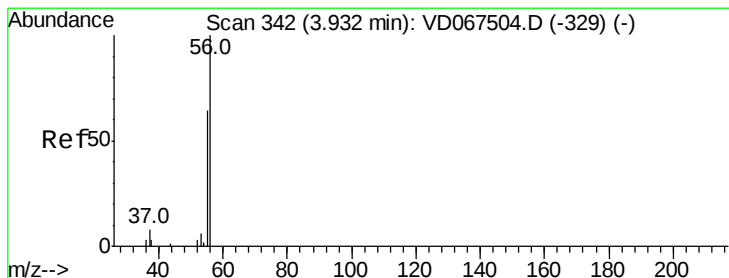
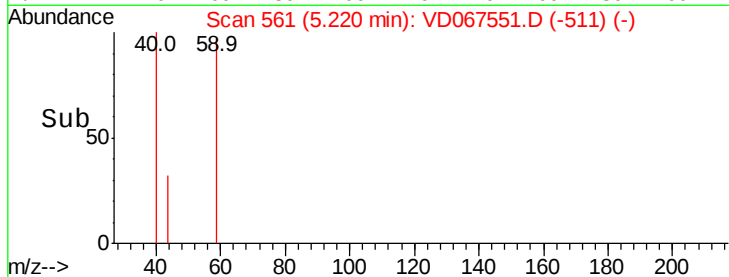
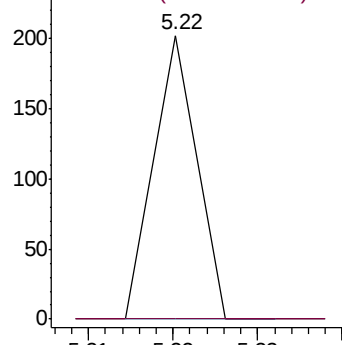
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067551.D
 Acq: 06 Nov 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-L14-L13-NORTH

Tot Ion: 59 Resp: 71
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#



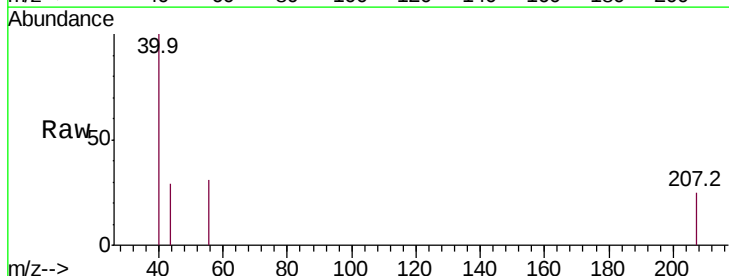
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



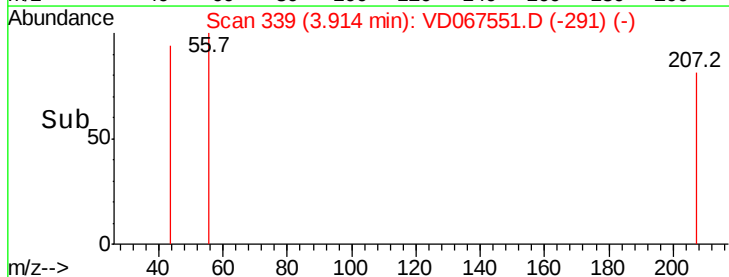
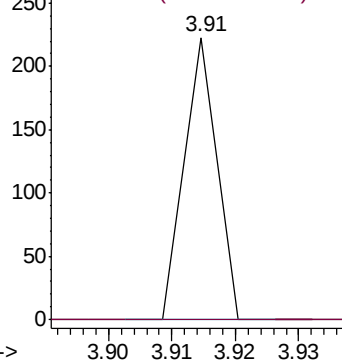
#13

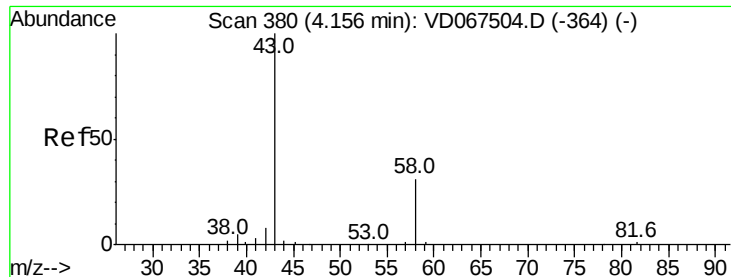
Acrolein
 Concen: 28.944 ug/l
 RT: 3.91 min Scan# 339
 Delta R.T. -0.02 min
 Lab File: VD067551.D
 Acq: 06 Nov 2020 14:39

Tgt Ion: 56 Resp: 79
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VDC
 Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 68.910 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067551.D

Acq: 06 Nov 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

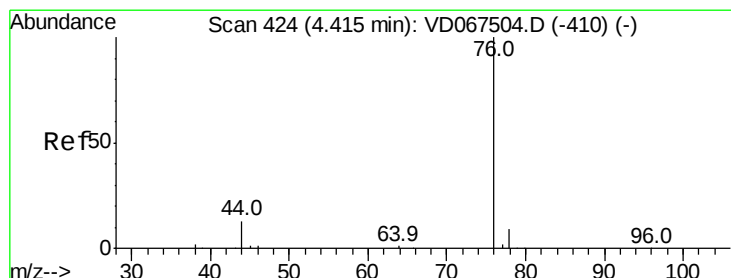
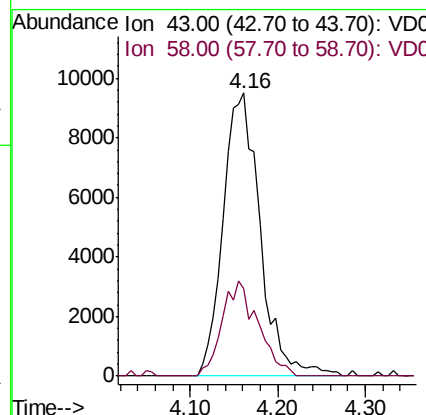
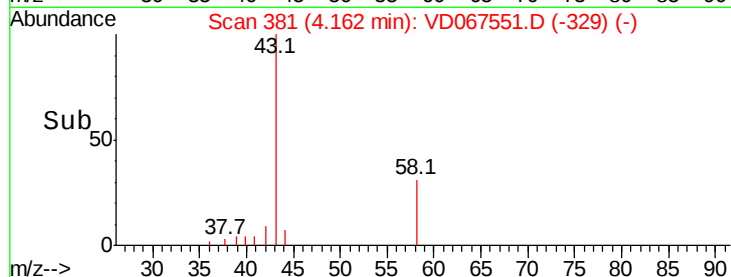
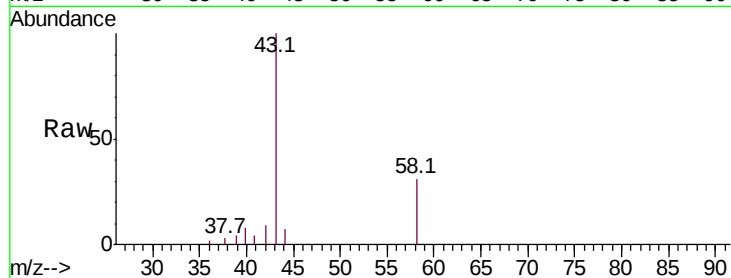
SR-L14-L13-NORTH

Tot Ion: 43 Resp: 27543

Ion Ratio Lower Upper

43 100

58 30.7 25.2 37.8



#17

Carbon Disulfide

Concen: 1.326 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067551.D

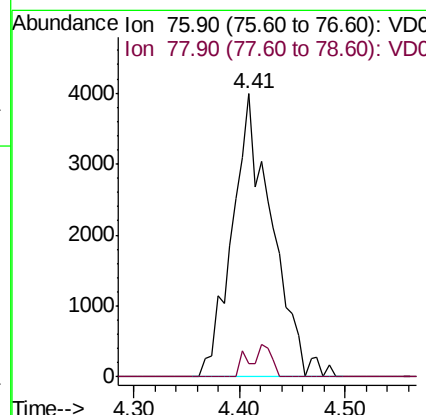
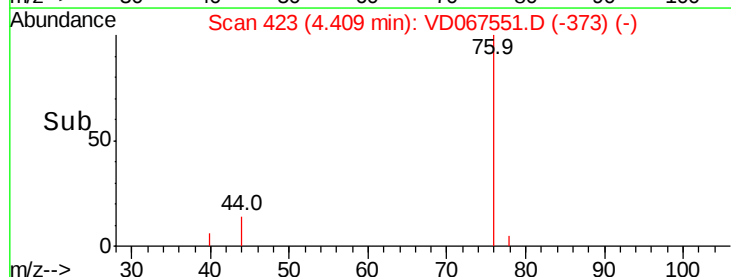
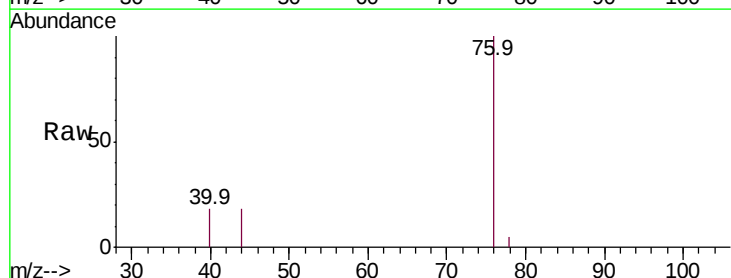
Acq: 06 Nov 2020 14:39

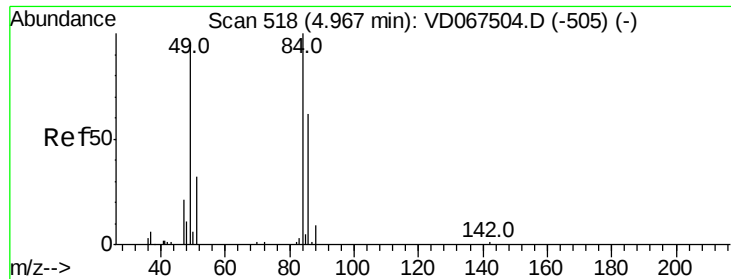
Tgt Ion: 76 Resp: 10356

Ion Ratio Lower Upper

76 100

78 4.7 7.2 10.8#

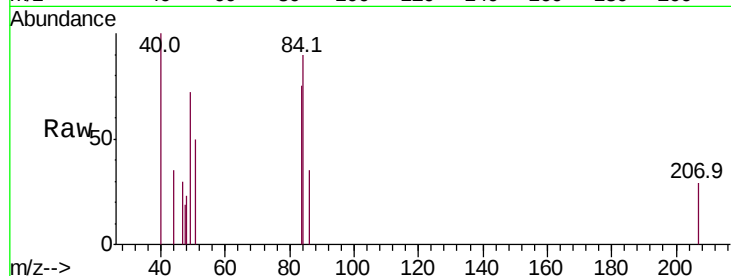




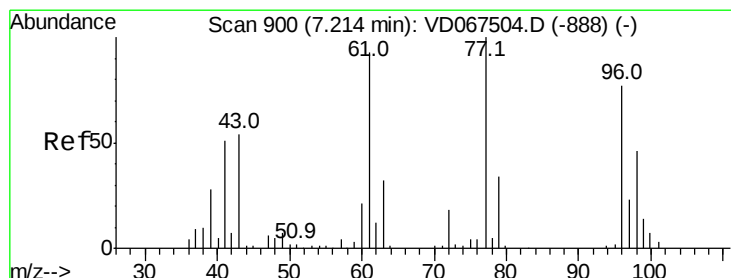
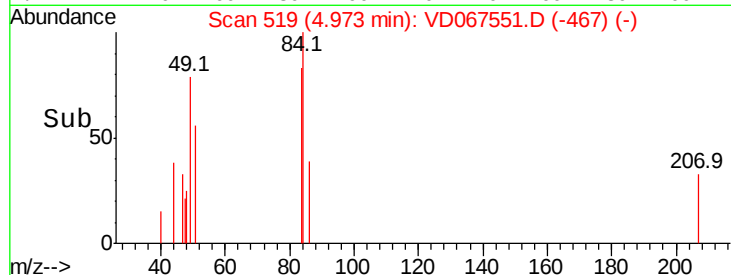
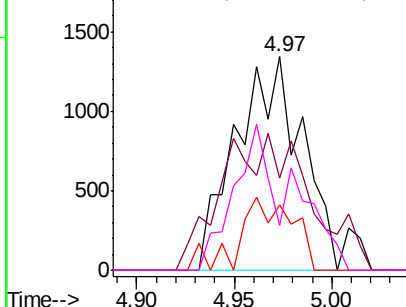
#20
Methvlene Chloride
Concen: 1.111 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067551.D
Acq: 06 Nov 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
SR-L14-L13-NORTH

Tot Ion: 84 Resp: 3136
Ion Ratio Lower Upper
84 100
49 31.4 77.0 115.4#
51 30.5 25.4 38.2
86 21.3 49.4 74.0#

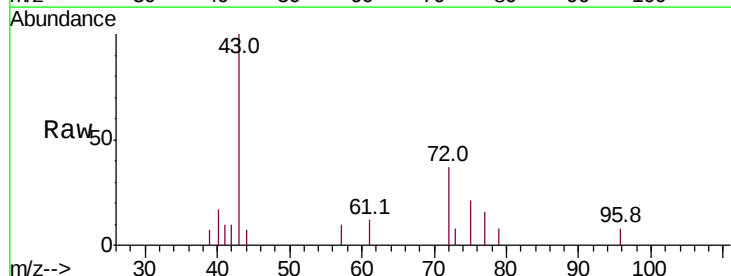


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

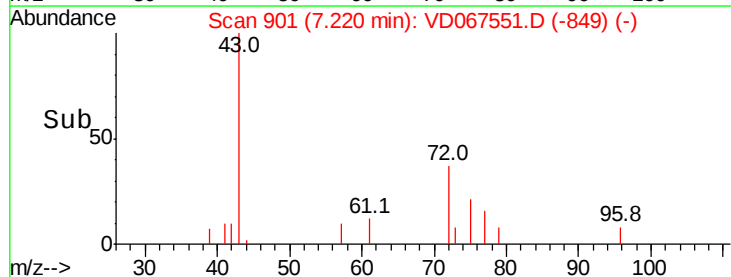
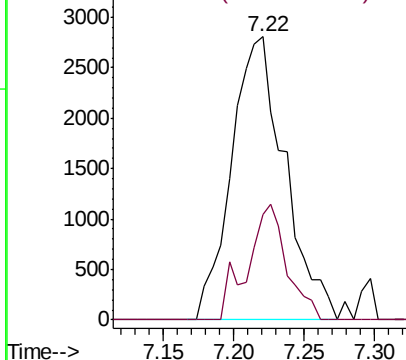


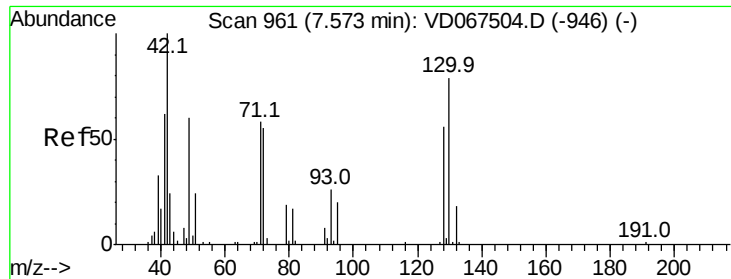
#25
2-Butanone
Concen: 17.374 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067551.D
Acq: 06 Nov 2020 14:39

Tgt Ion: 43 Resp: 7420
Ion Ratio Lower Upper
43 100
72 37.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

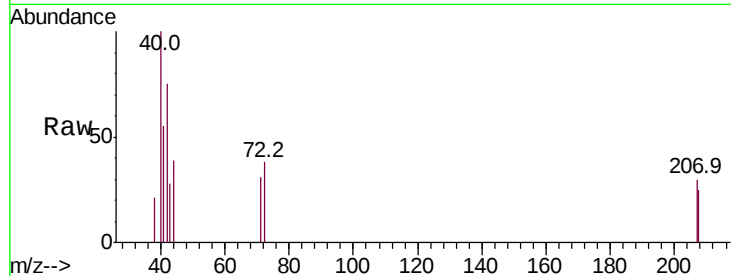




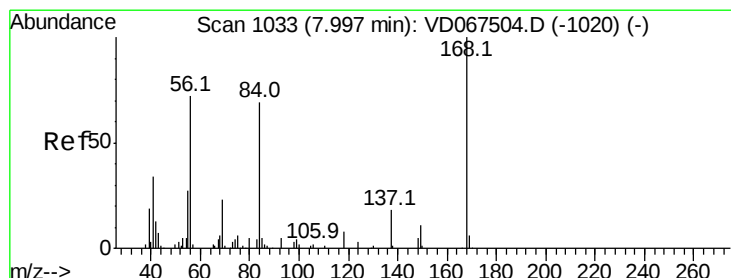
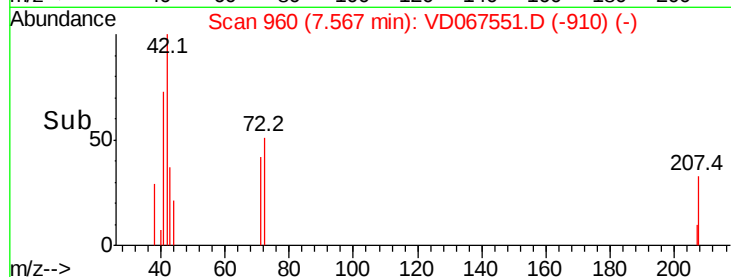
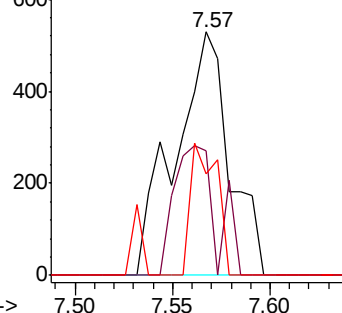
#29
Tetrahydrofuran
Concen: 4.007 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067551.D
Acq: 06 Nov 2020 14:39

Instrument :
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ClientSampleId :
SR-L14-L13-NORTH

Tot Ion: 42 Resp: 1025
Ion Ratio Lower Upper
42 100
72 41.1 46.3 69.5#
71 26.1 44.0 66.0#

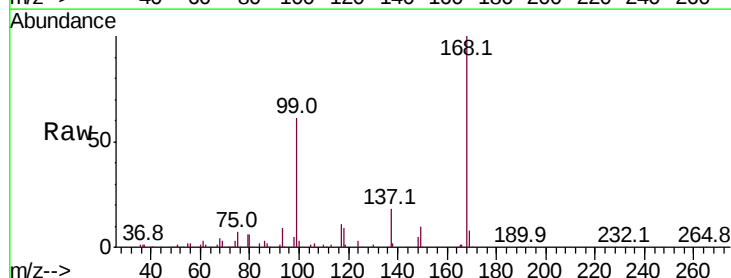


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

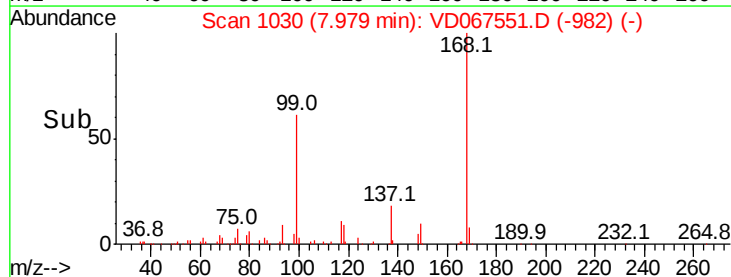
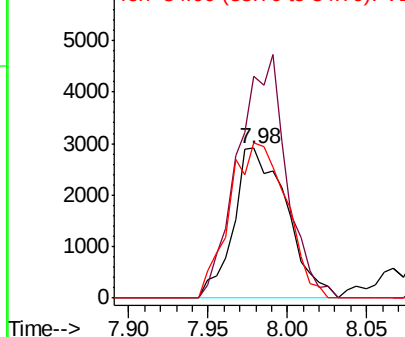


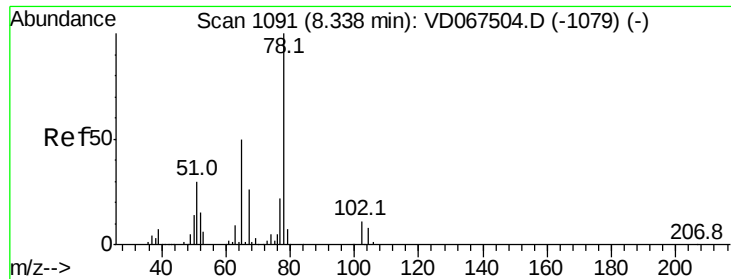
#31
Cyclohexane
Concen: 1.745 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067551.D
Acq: 06 Nov 2020 14:39

Tgt Ion: 56 Resp: 6760
Ion Ratio Lower Upper
56 100
69 147.9 25.9 38.9#
84 103.8 76.2 114.4



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: 58.677 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067551.D

Acq: 06 Nov 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

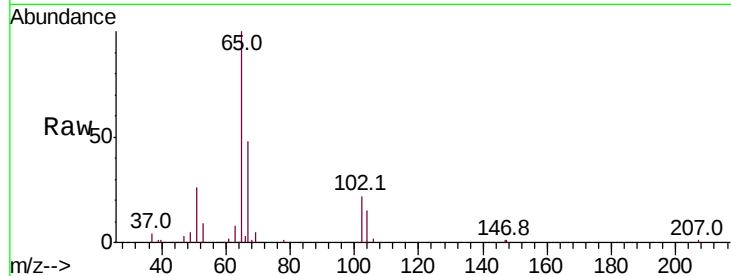
SR-L14-L13-NORTH

Tot Ion: 65 Resp: 156723

Ion Ratio Lower Upper

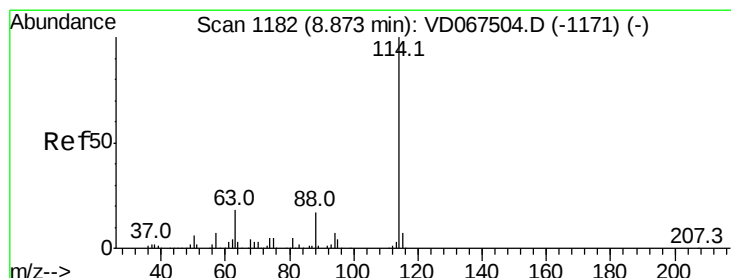
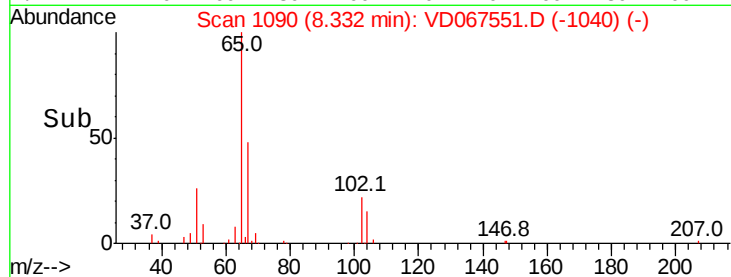
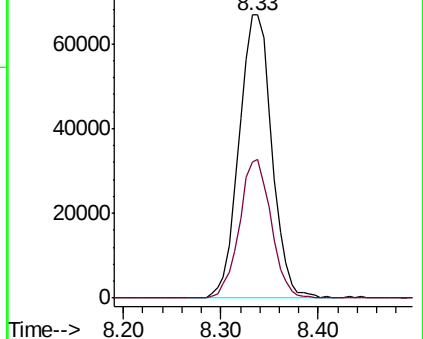
65 100

67 47.3 0.0 99.4



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: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067551.D

Acq: 06 Nov 2020 14:39

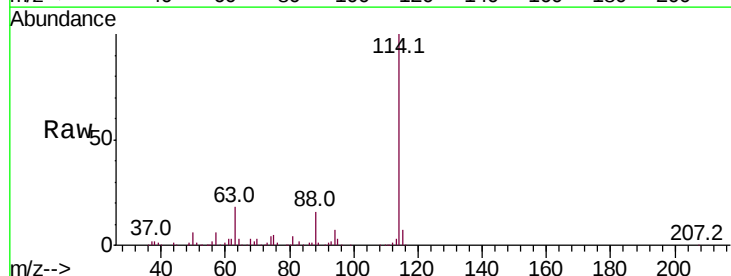
Tgt Ion: 114 Resp: 485034

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

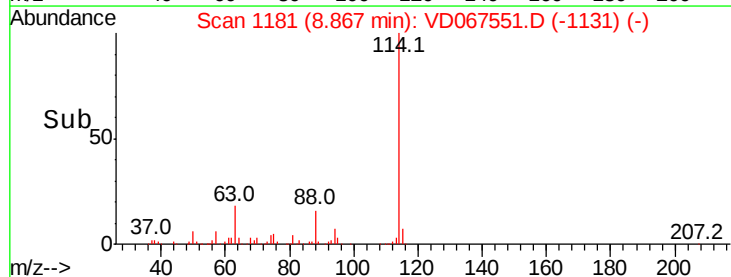
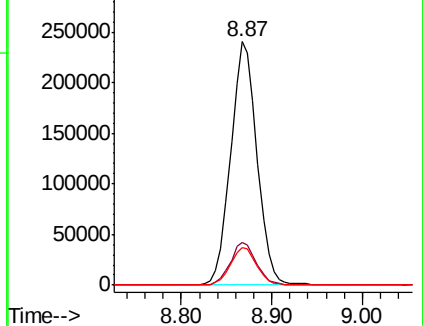
88 15.5 0.0 33.0

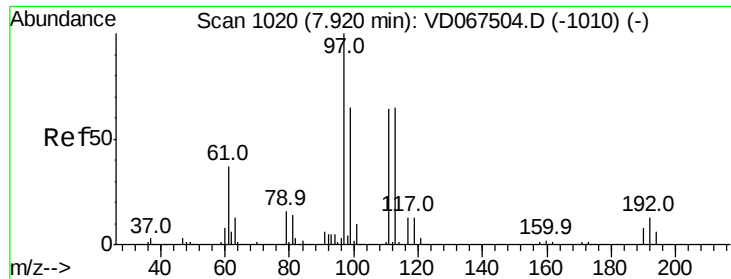


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

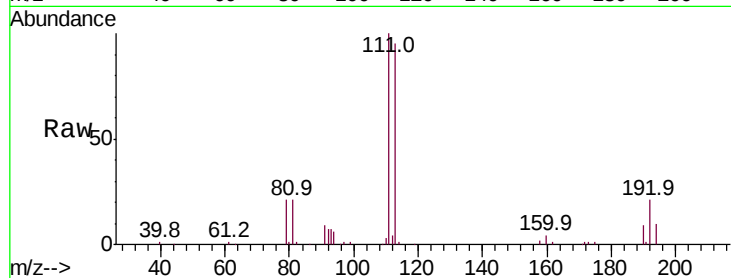




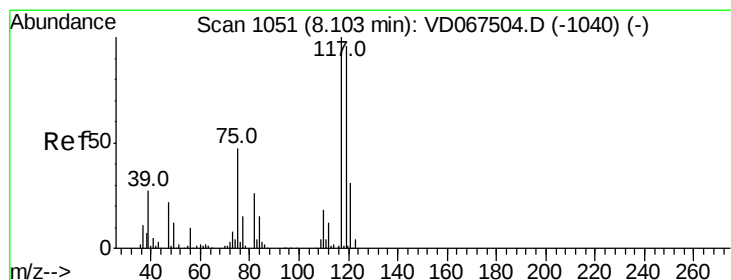
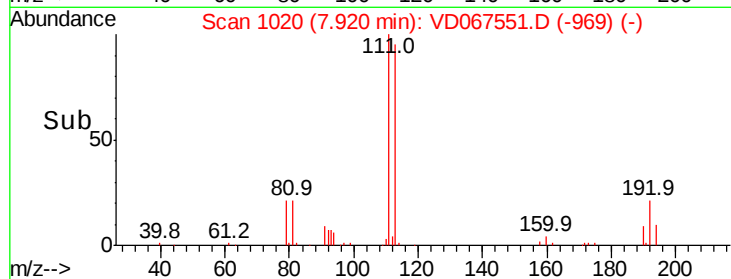
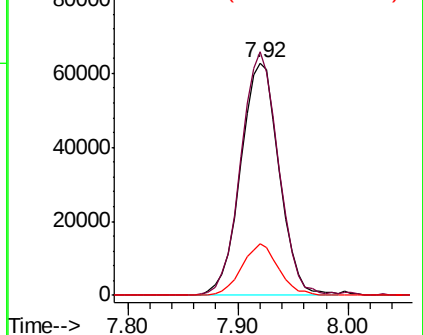
#35
 Dibromofluoromethane
 Concen: 52.716 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067551.D
 Acq: 06 Nov 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-L14-L13-NORTH

Tot Ion:113 Resp: 154054
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.0 120.0
 192 21.1 16.3 24.5

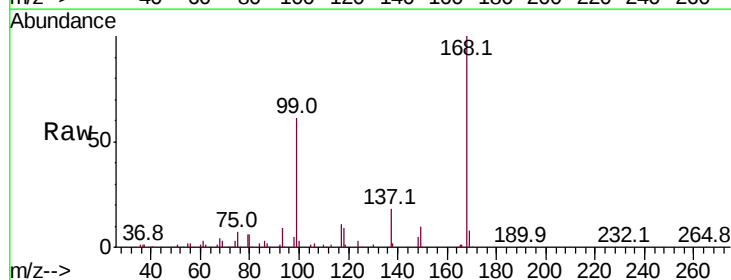


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

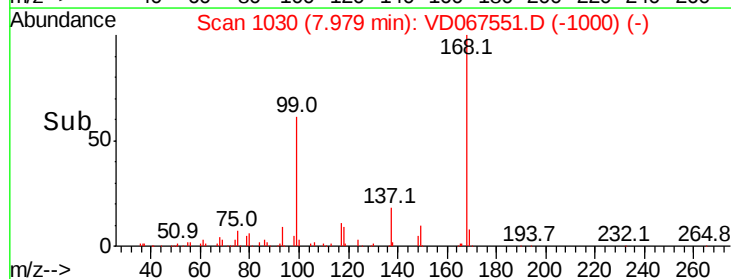
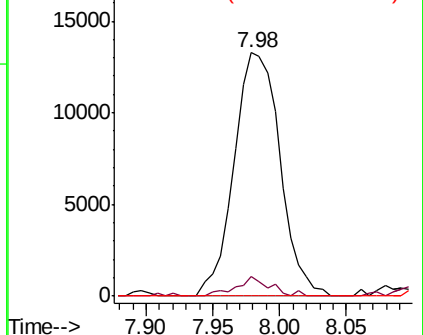


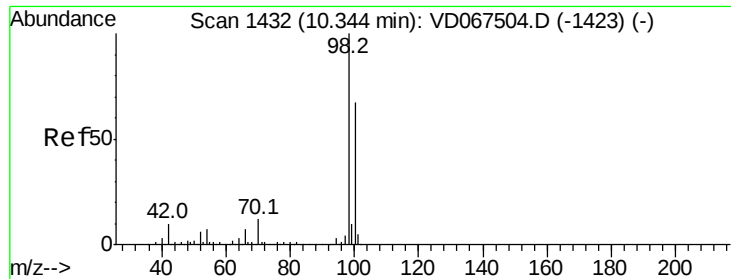
#38
 Carbon Tetrachloride
 Concen: 5.873 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067551.D
 Acq: 06 Nov 2020 14:39

Tgt Ion:117 Resp: 31680
 Ion Ratio Lower Upper
 117 100
 119 7.8 76.9 115.3#
 121 0.0 24.5 36.7#



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

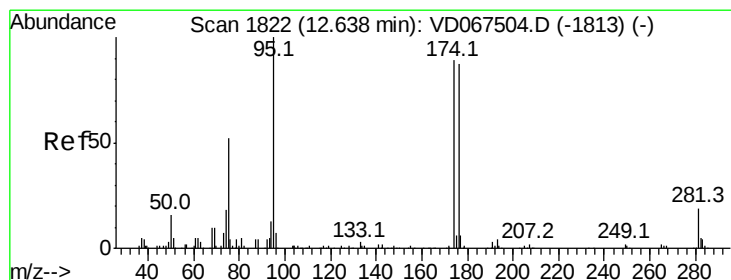
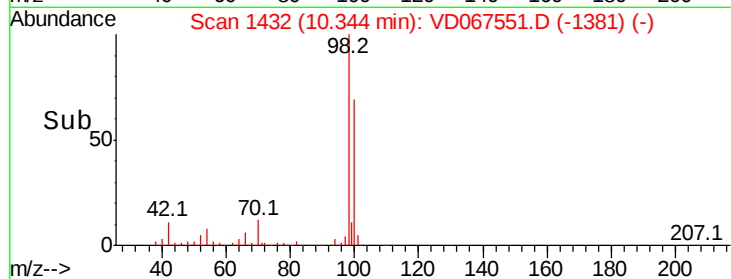
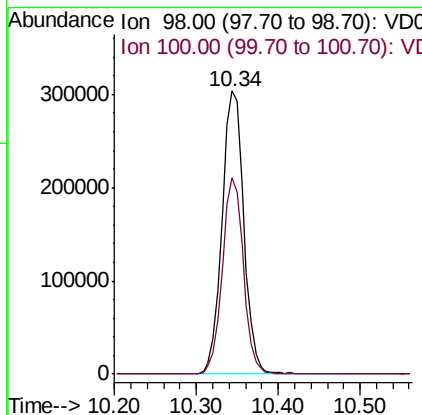
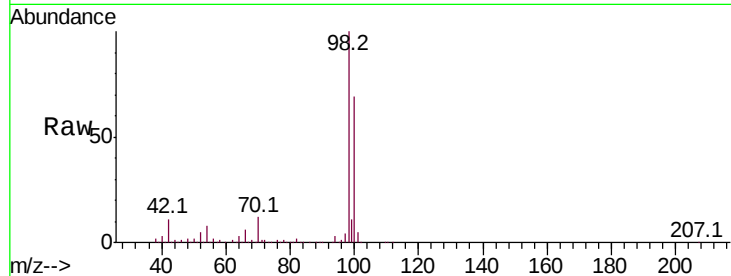




#50
Toluene-d8
Concen: 54.920 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067551.D
Acq: 06 Nov 2020 14:39

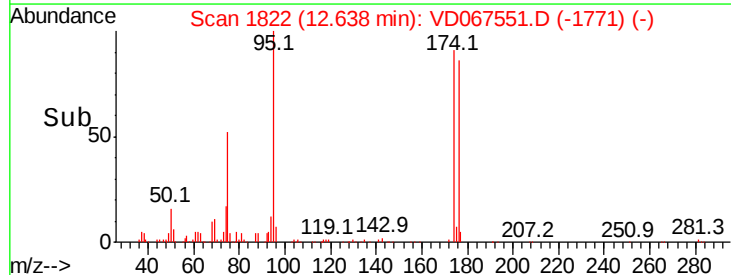
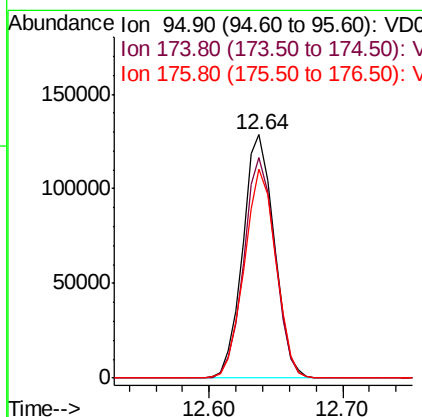
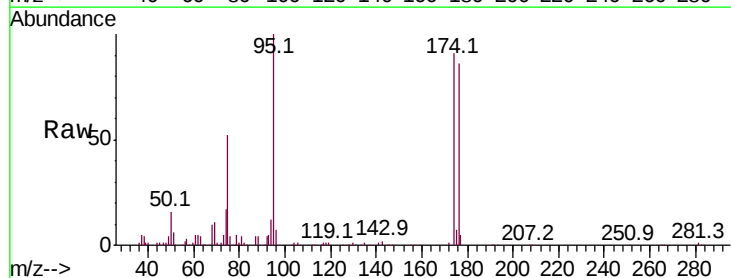
Instrument :
MSVOA_D
ClientSampleId :
SR-L14-L13-NORTH

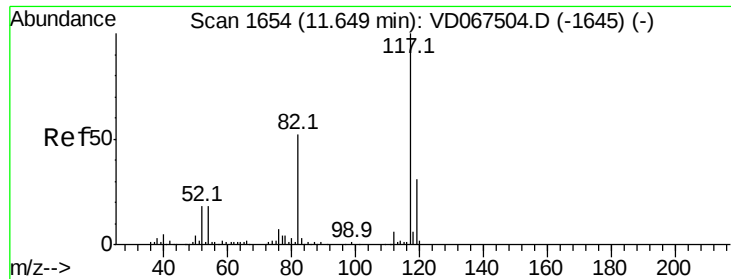
Tot Ion: 98 Resp: 564014
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 58.950 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067551.D
Acq: 06 Nov 2020 14:39

Tgt Ion: 95 Resp: 209012
Ion Ratio Lower Upper
95 100
174 89.7 0.0 177.8
176 86.3 0.0 172.0

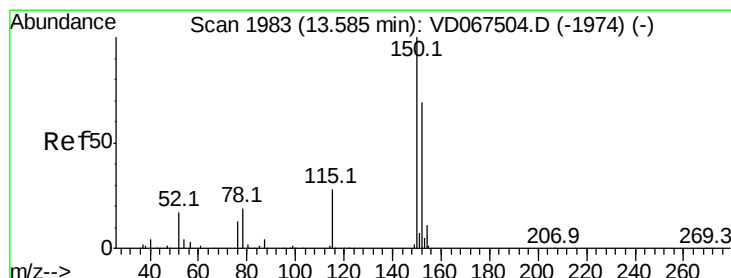
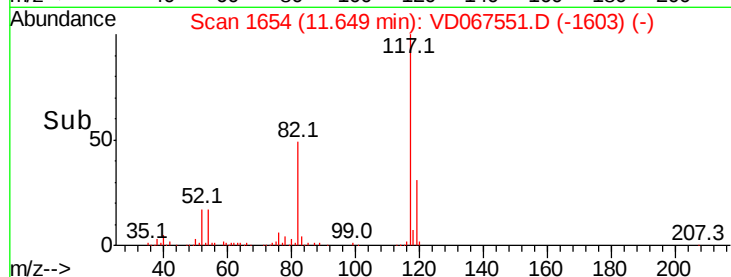
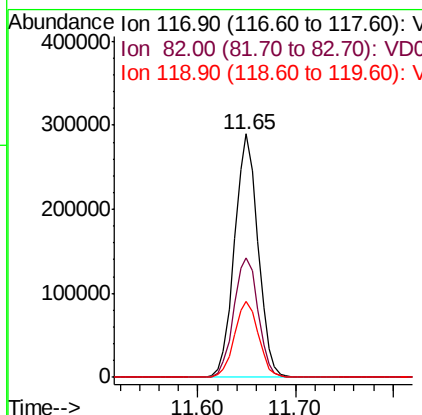
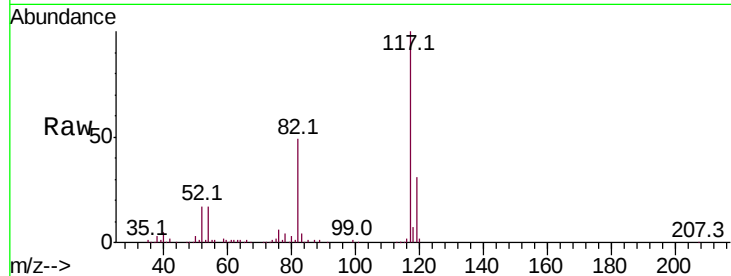




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067551.D
Acq: 06 Nov 2020 14:39

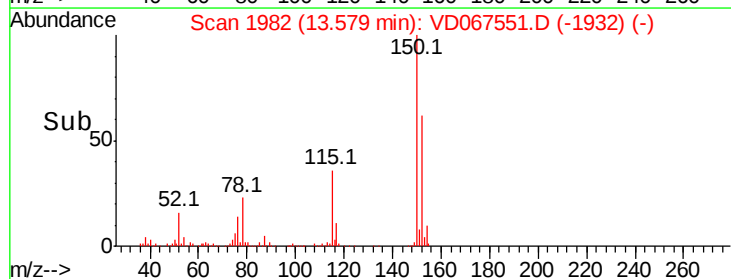
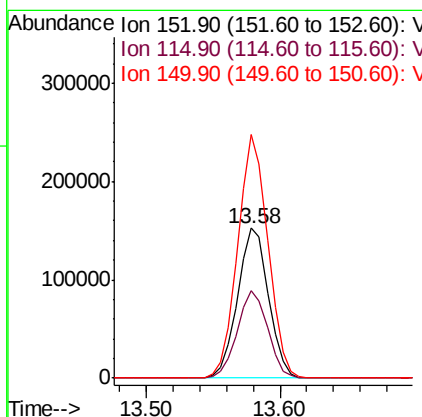
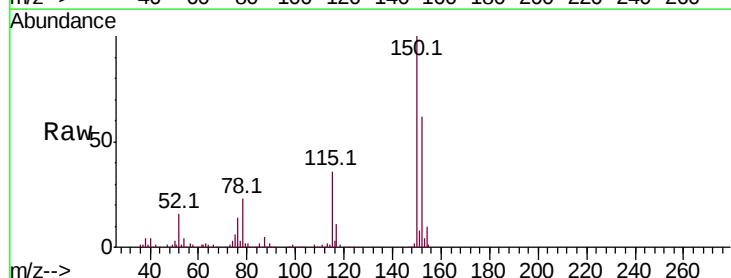
Instrument :
MSVOA_D
ClientSampleId :
SR-L14-L13-NORTH

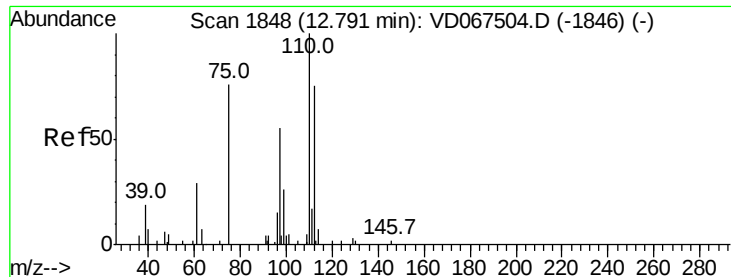
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.6	62.4
119	31.0	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067551.D
Acq: 06 Nov 2020 14:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.3	88.0
150	158.6	0.0	338.2





#76

1,2,3-Trichloropropane

Concen: 74.327 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067551.D

Acq: 06 Nov 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

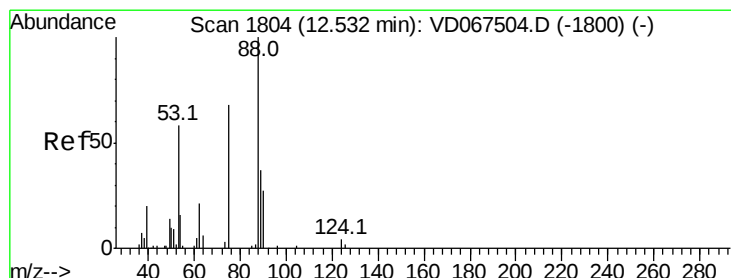
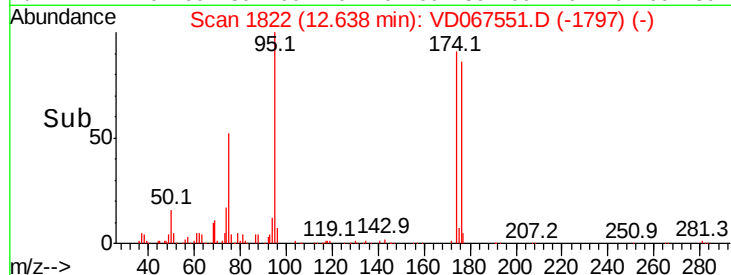
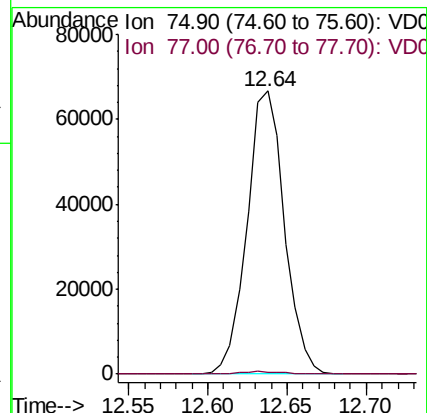
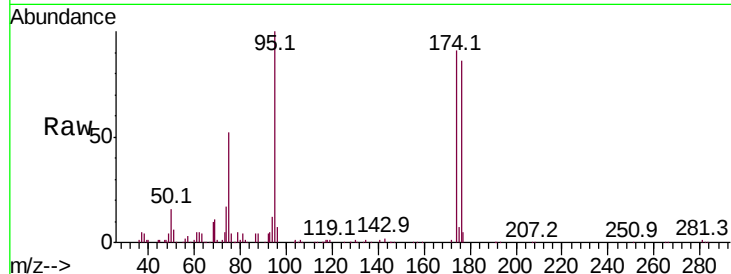
SR-L14-L13-NORTH

Tot Ion: 75 Resp: 109261

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.903 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067551.D

Acq: 06 Nov 2020 14:39

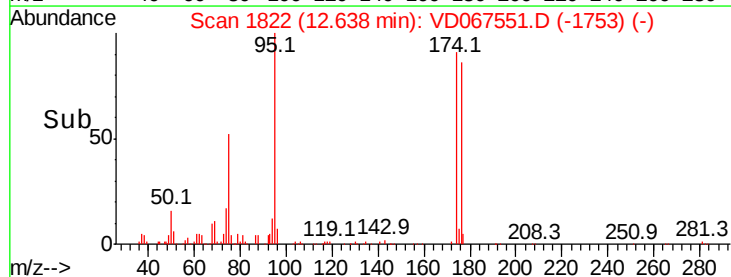
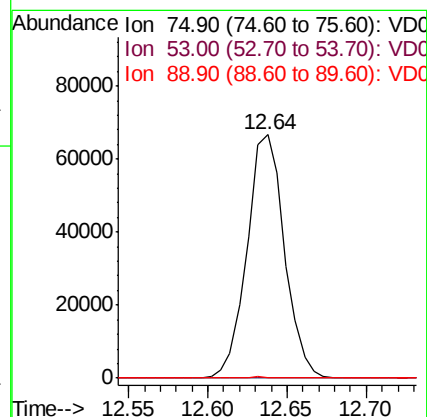
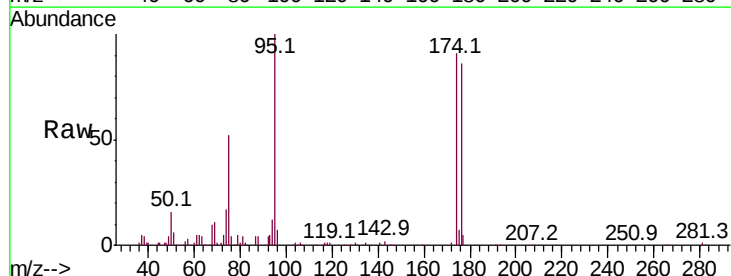
Tgt Ion: 75 Resp: 109261

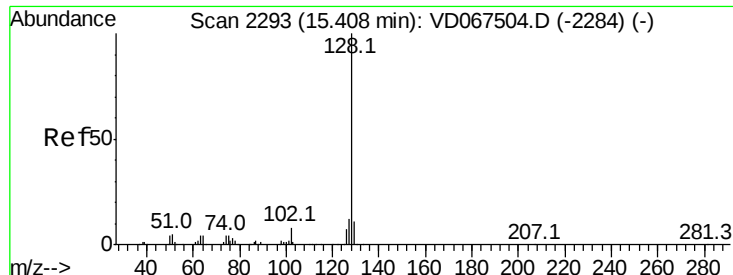
Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.1 44.6 67.0#





#95

Naphthalene

Concen: 10.287 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067551.D

Acq: 06 Nov 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

SR-L14-L13-NORTH

Tot Ion:128 Resp: 68824

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

129 11.2 8.9 13.3

