

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067640.D
 Acq On : 16 Nov 2020 14:56
 Operator : VA/SY
 Sample : L4687-04
 Misc : 5.08G/5.01ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-3

Quant Time: Nov 17 01:08:01 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

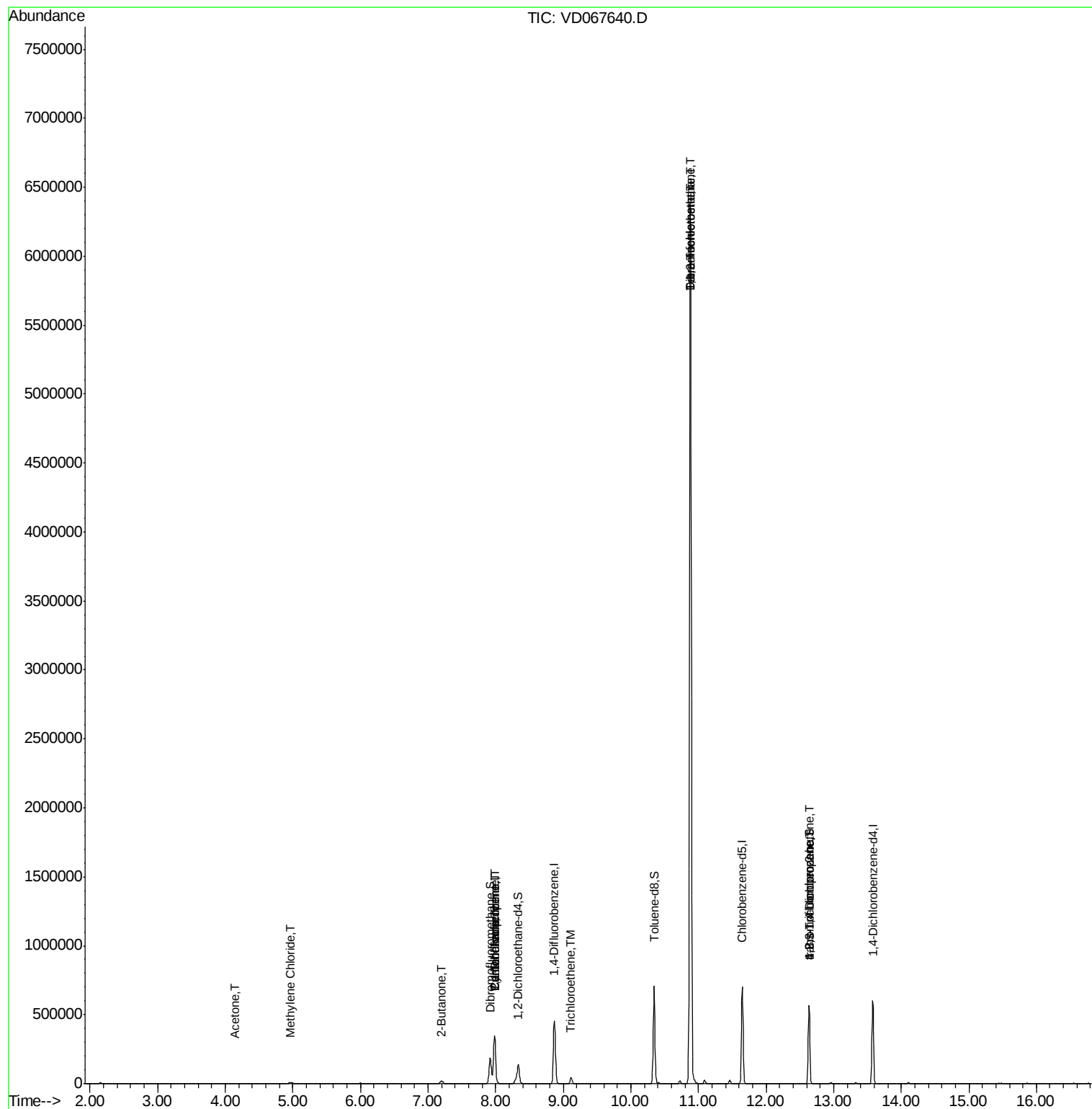
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	267938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	416499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	416302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173938	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	122370	52.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.46%	
35) Dibromofluoromethane	7.92	113	131160	52.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.54%	
50) Toluene-d8	10.34	98	484894	54.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.98%	
62) 4-Bromofluorobenzene	12.64	95	168426	55.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	95	Below Cal	#	44
11) Tert butyl alcohol	5.24	59	78	Below Cal	#	79
16) Acetone	4.14	43	407	1.161	ug/l #	43
20) Methylene Chloride	4.96	84	6982	2.819	ug/l #	85
25) 2-Butanone	7.20	43	740	1.975	ug/l #	42
31) Cyclohexane	7.98	56	5692	1.675	ug/l #	41
36) 1,1-Dichloropropene	7.98	75	17904	5.022	ug/l #	49
38) Carbon Tetrachloride	7.98	117	27619	5.962	ug/l #	16
44) Trichloroethene	9.12	130	16213	5.106	ug/l	90
55) 1,1,2-Trichloroethane	10.88	97	13641	7.766	ug/l #	45
60) Dibromochloromethane	10.88	129	1416621	545.189	ug/l #	11
64) Tetrachloroethene	10.88	164	1533748	497.469	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	88314	84.165	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	88314	170.878	ug/l #	10

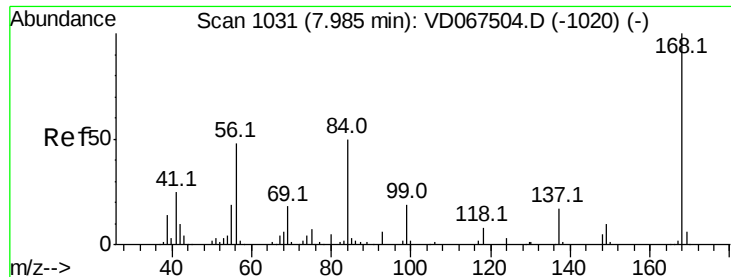
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067640.D

Acq: 16 Nov 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

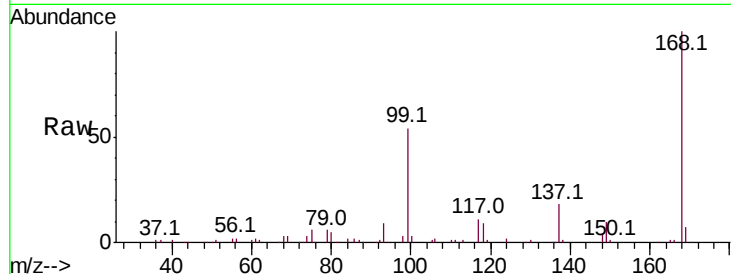
SS-3

Tot Ion:168 Resp: 267938

Ion Ratio Lower Upper

168 100

99 54.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

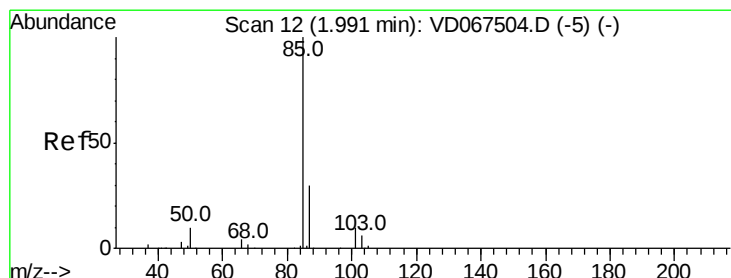
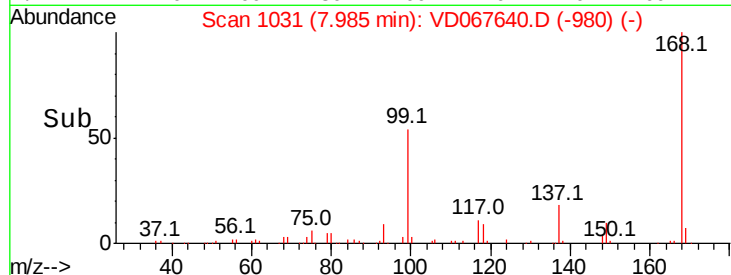
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067640.D

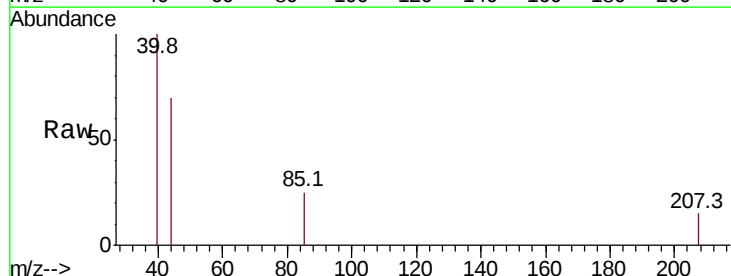
Acq: 16 Nov 2020 14:56

Tgt Ion: 85 Resp: 95

Ion Ratio Lower Upper

85 100

87 0.0 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

300

250

200

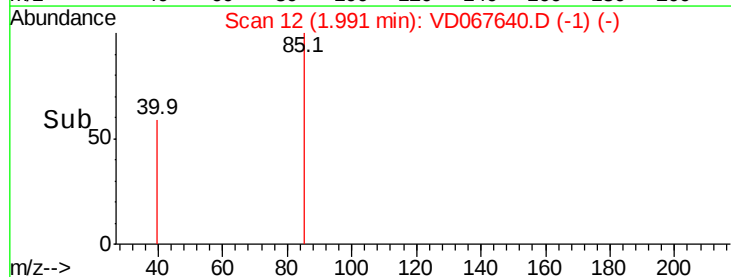
150

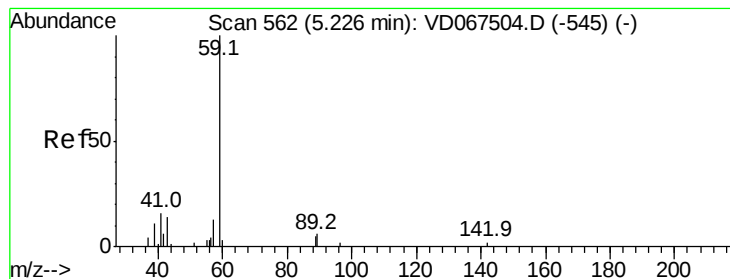
100

50

0

Time-->



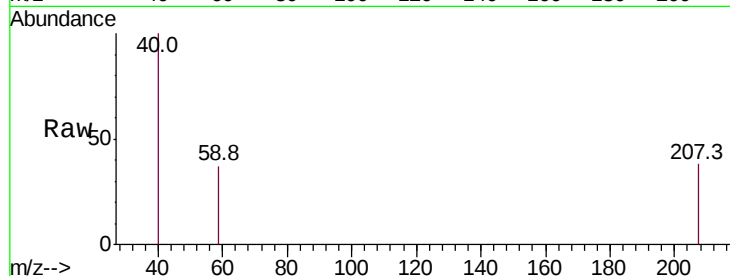


#11

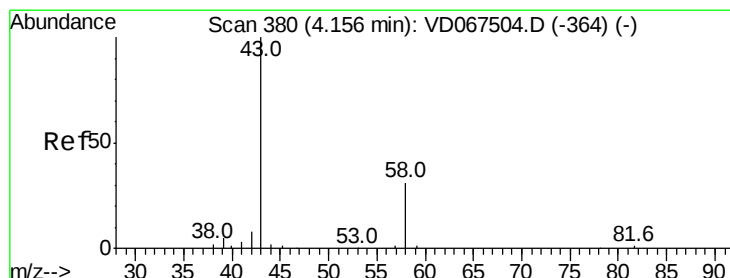
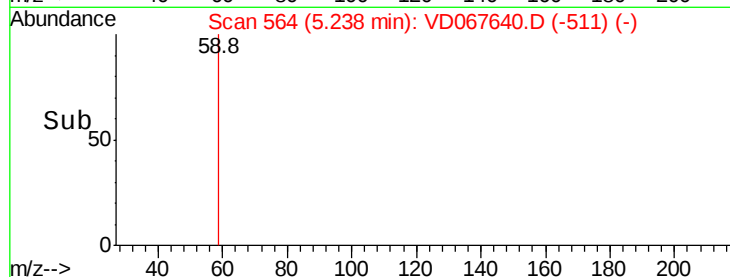
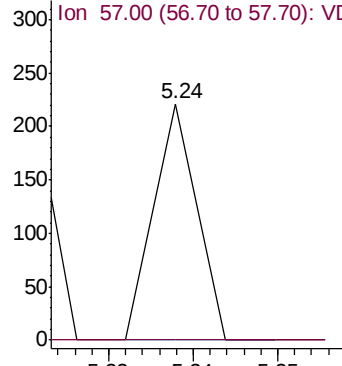
Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 564
Delta R.T. 0.01 min
Lab File: VD067640.D
Acq: 16 Nov 2020 14:56

Instrument :
MSVOA_D
ClientSampled :
SS-3

Tot Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



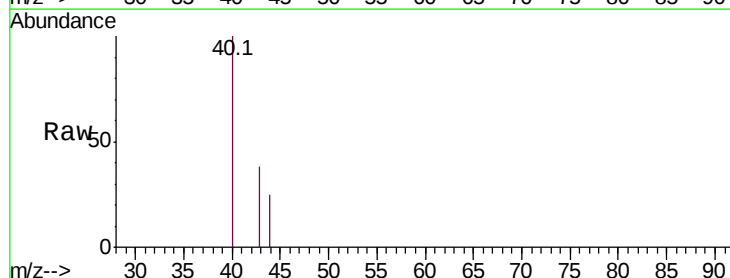
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



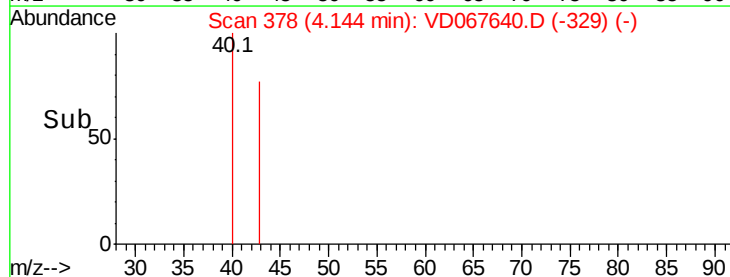
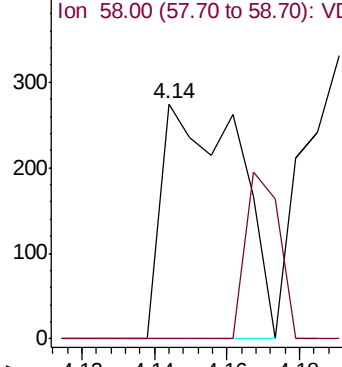
#16

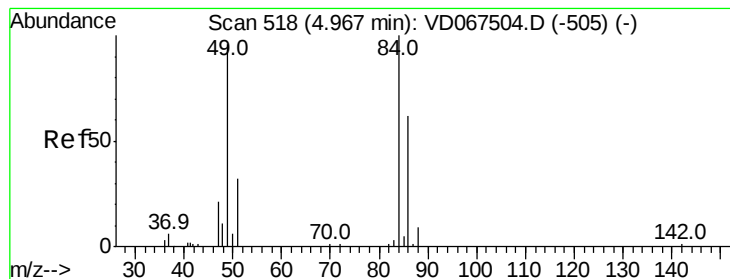
Acetone
Concen: 1.161 ug/l
RT: 4.14 min Scan# 378
Delta R.T. -0.01 min
Lab File: VD067640.D
Acq: 16 Nov 2020 14:56

Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#20

Methylene Chloride

Concen: 2.819 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD067640.D

Acq: 16 Nov 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

SS-3

Tot Ion: 84 Resp: 6982

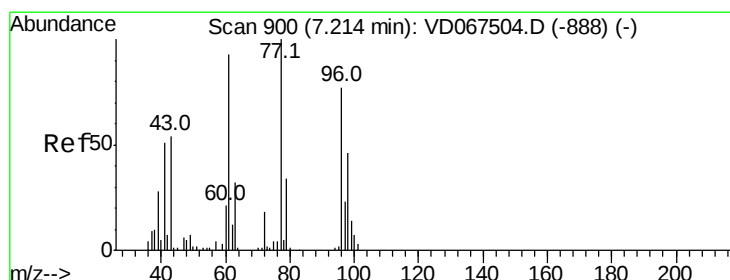
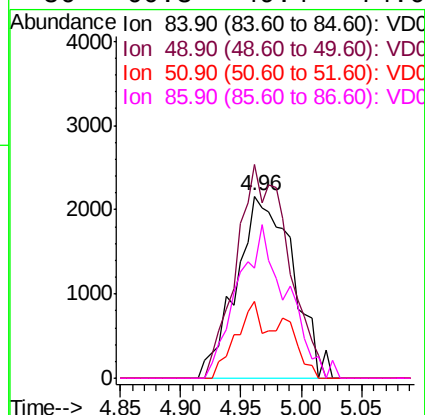
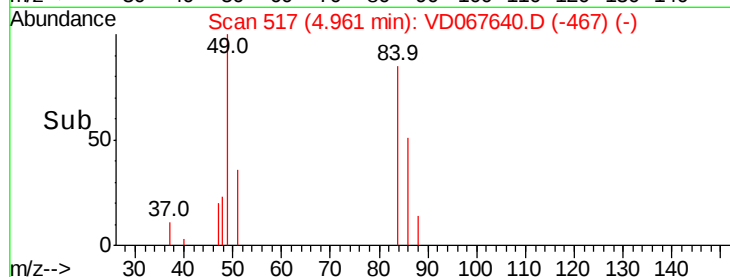
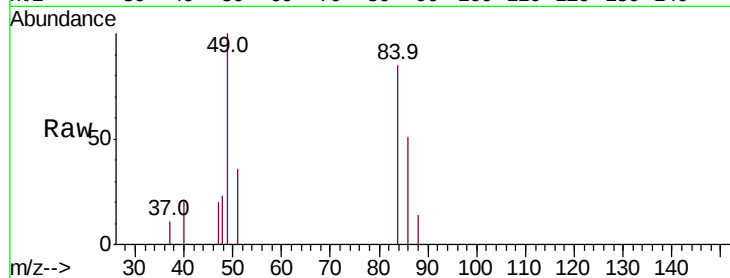
Ion Ratio Lower Upper

84 100

49 117.3 77.0 115.4#

51 42.0 25.4 38.2#

86 60.3 49.4 74.0



#25

2-Butanone

Concen: 1.975 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD067640.D

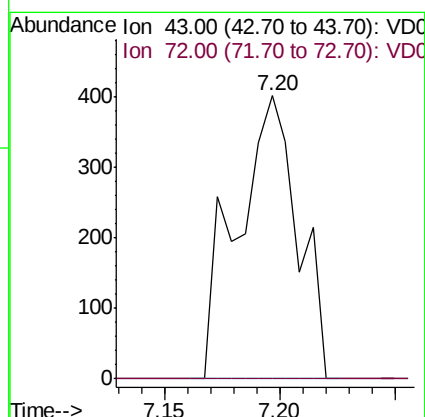
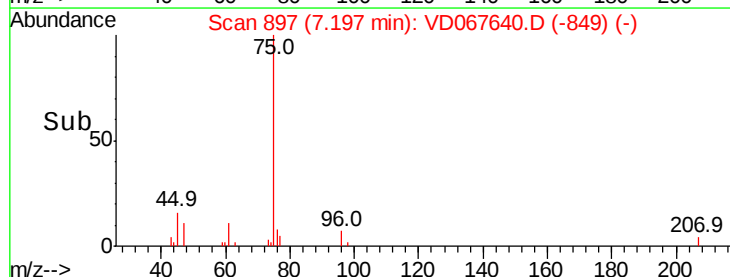
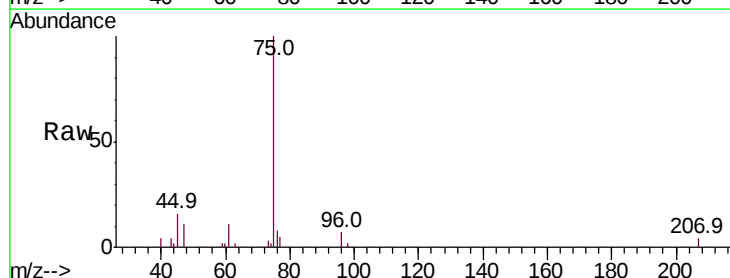
Acq: 16 Nov 2020 14:56

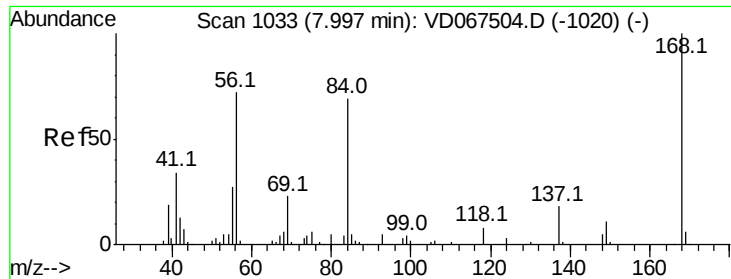
Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#

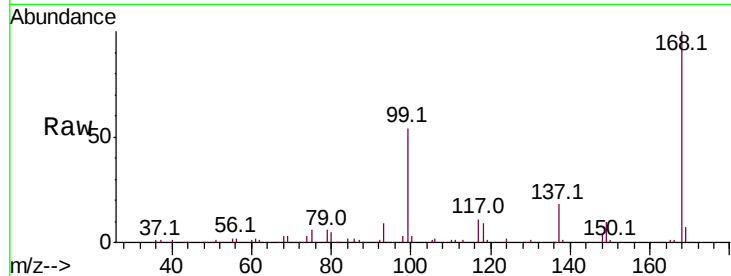




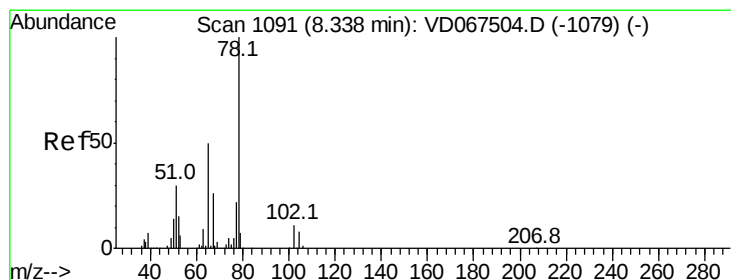
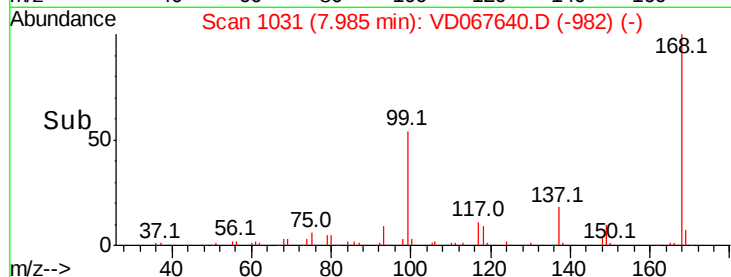
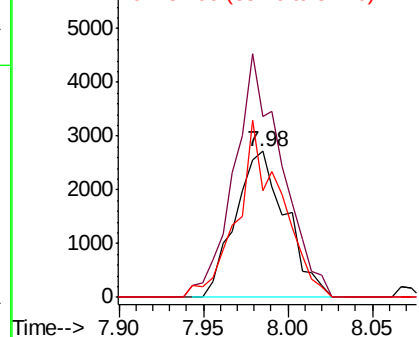
#31
Cyclohexane
Concen: 1.675 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067640.D
Acq: 16 Nov 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
SS-3

Tot Ion: 56 Resp: 5692
Ion Ratio Lower Upper
56 100
69 123.5 25.9 38.9#
84 72.7 76.2 114.4#

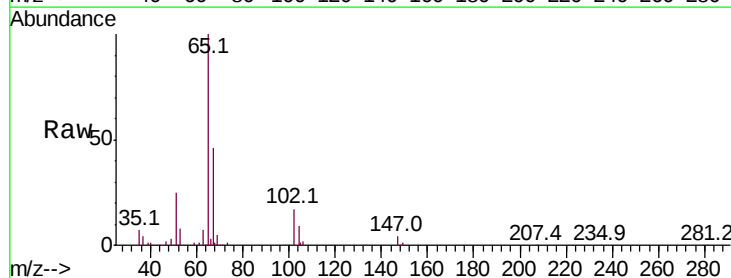


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

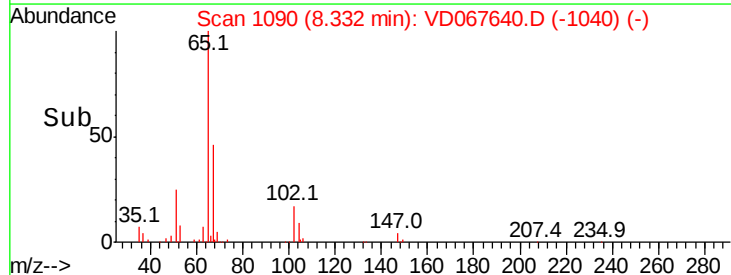
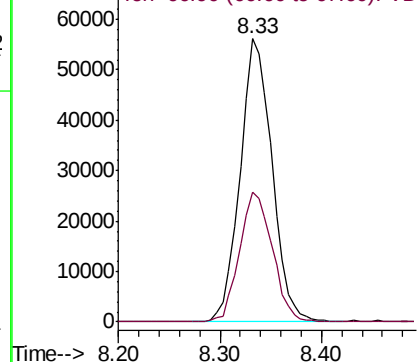


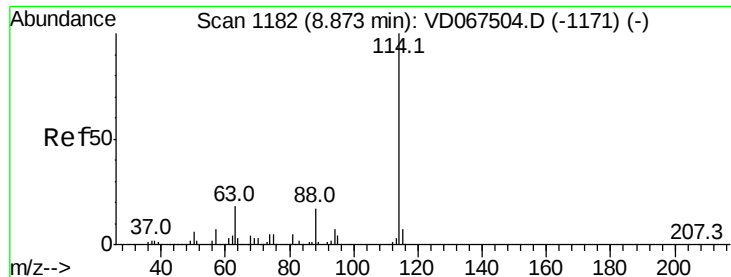
#33
1,2-Dichloroethane-d4
Concen: 52.232 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067640.D
Acq: 16 Nov 2020 14:56

Tgt Ion: 65 Resp: 122370
Ion Ratio Lower Upper
65 100
67 47.2 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: VD067640.D

Acq: 16 Nov 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

SS-3

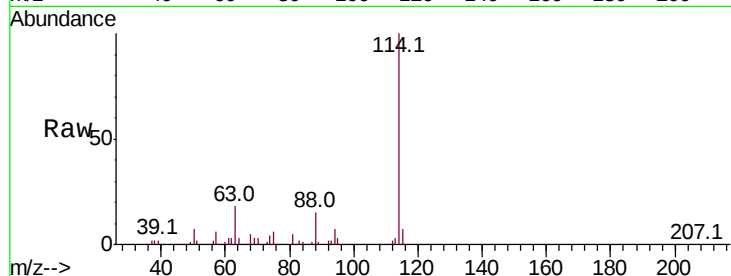
Tot Ion:114 Resp: 416499

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 15.0 0.0 33.0



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

250000

200000

150000

100000

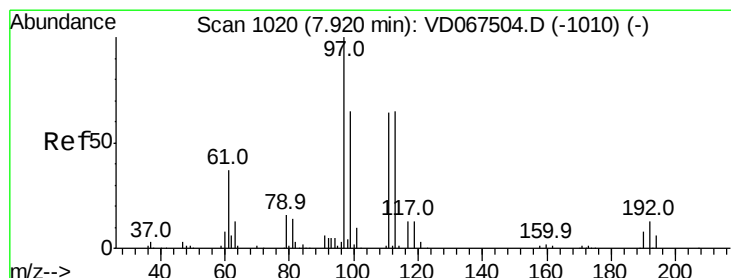
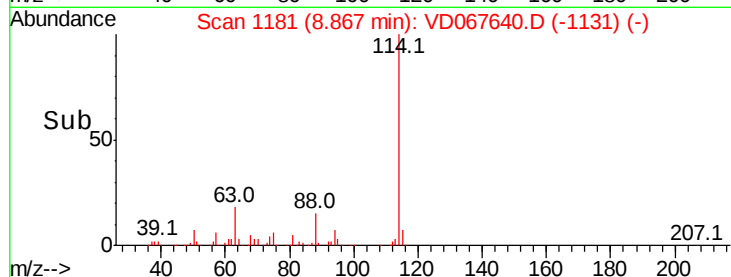
50000

0

8.87

8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 52.268 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067640.D

Acq: 16 Nov 2020 14:56

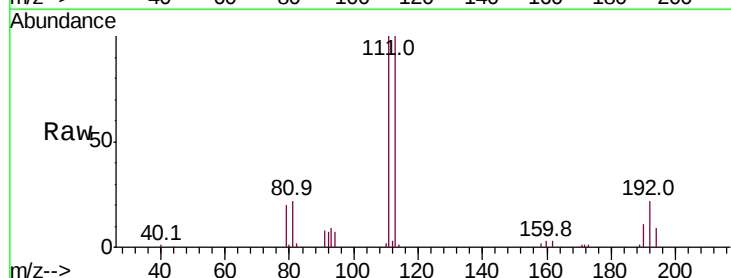
Tgt Ion:113 Resp: 131160

Ion Ratio Lower Upper

113 100

111 102.7 80.0 120.0

192 20.8 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

60000

40000

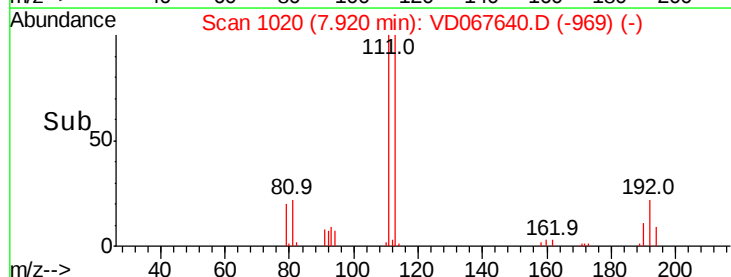
20000

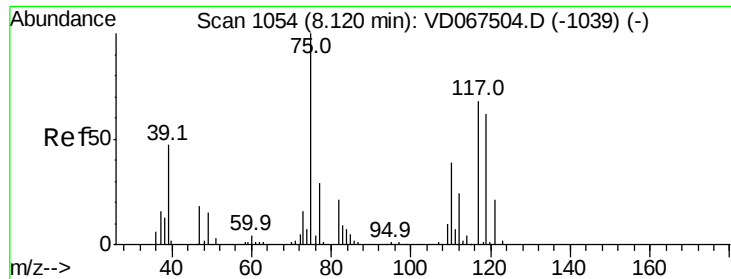
0

7.92

7.80 7.90 8.00 8.10

Time-->





#36

1,1-Dichloropropene

Concen: 5.022 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.14 min

Lab File: VD067640.D

Acq: 16 Nov 2020 14:56

Instrument :

MSVOA_D

ClientSampleID :

SS-3

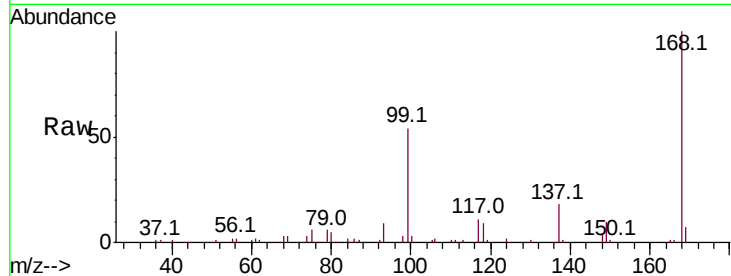
Tot Ion: 75 Resp: 17904

Ion Ratio Lower Upper

75 100

110 11.2 19.9 59.7#

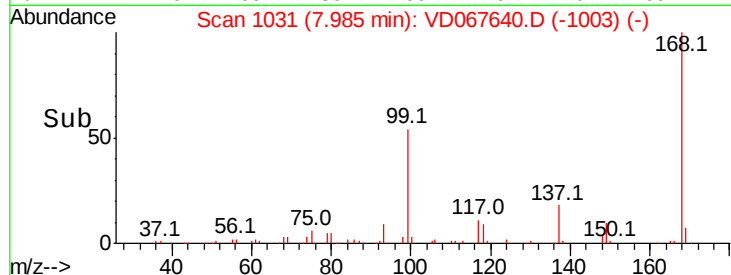
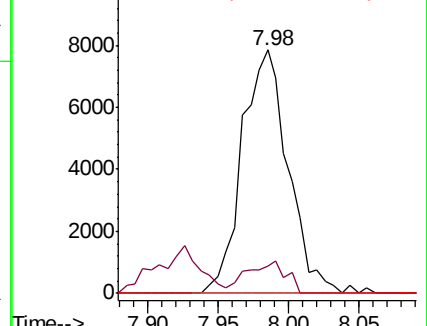
77 0.0 24.8 37.2#



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



#38

Carbon Tetrachloride

Concen: 5.962 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067640.D

Acq: 16 Nov 2020 14:56

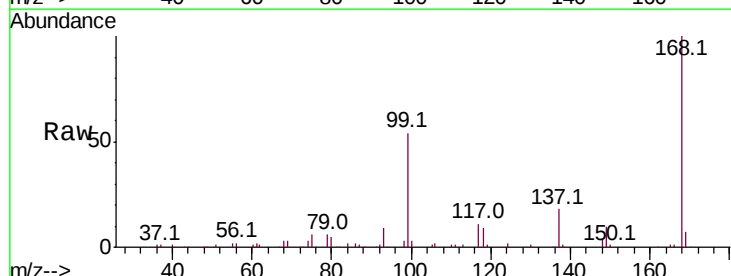
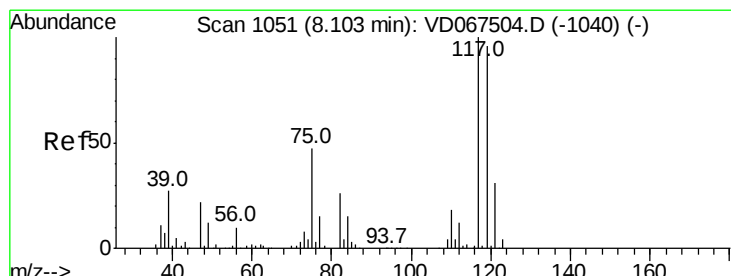
Tgt Ion: 117 Resp: 27619

Ion Ratio Lower Upper

117 100

119 4.9 76.9 115.3#

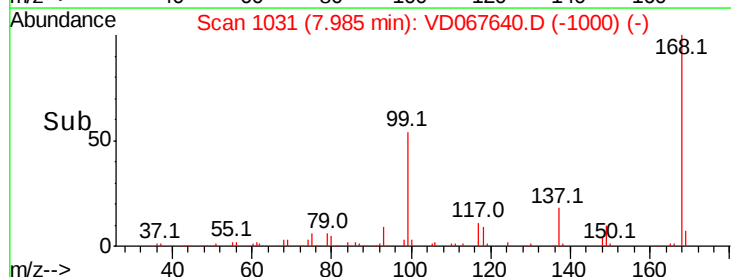
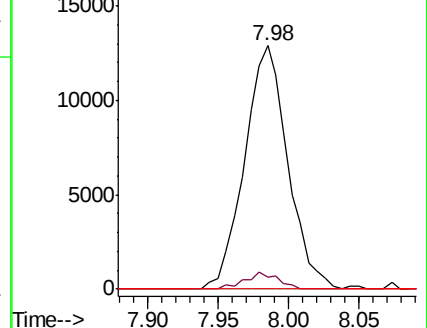
121 0.0 24.5 36.7#

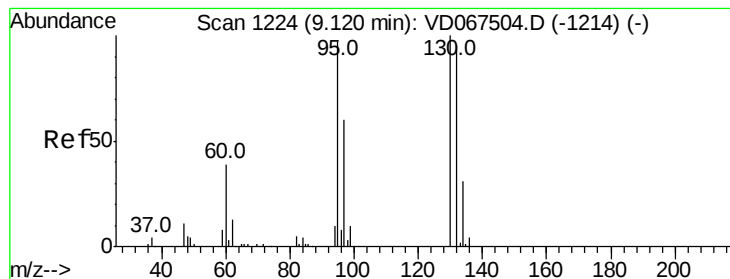


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 5.106 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD067640.D

Acq: 16 Nov 2020 14:56

Instrument :

MSVOA_D

ClientSampleId :

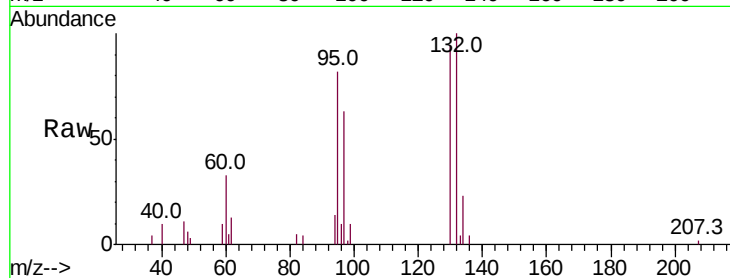
SS-3

Tot Ion:130 Resp: 16213

Ion Ratio Lower Upper

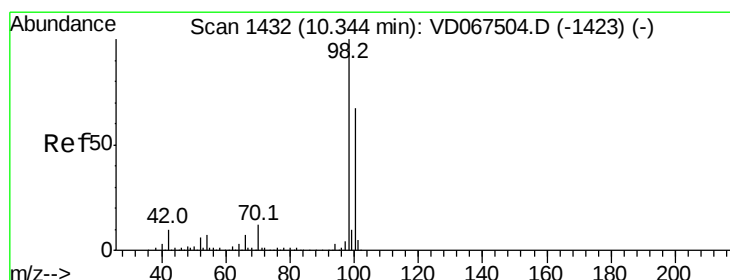
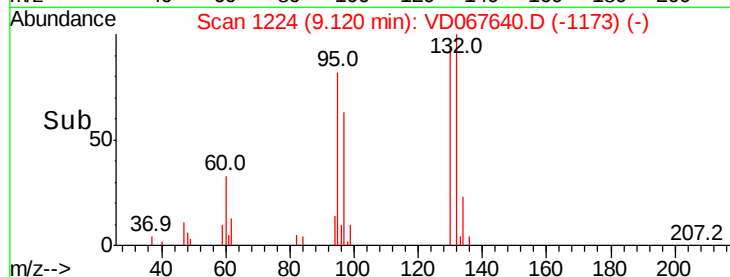
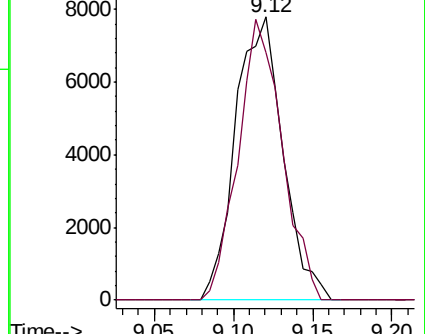
130 100

95 87.3 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: 54.985 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067640.D

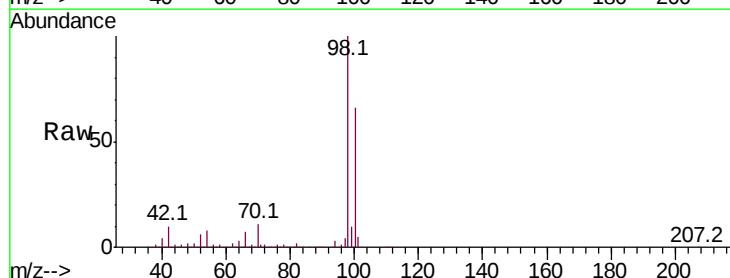
Acq: 16 Nov 2020 14:56

Tgt Ion: 98 Resp: 484894

Ion Ratio Lower Upper

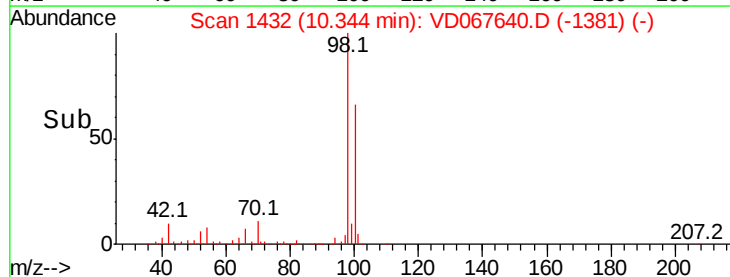
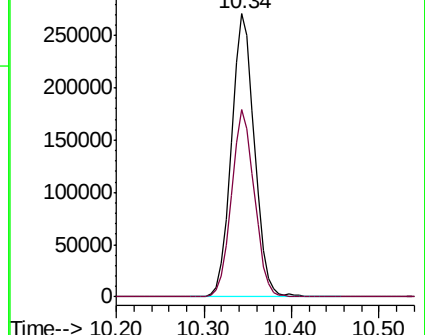
98 100

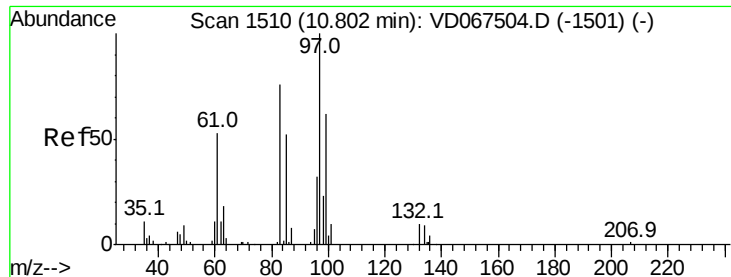
100 65.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VD





#55

1,1,2-Trichloroethane

Concen: 7.766 ug/l

RT: 10.88 min Scan# 1524

Delta R.T. 0.08 min

Lab File: VD067640.D

Acq: 16 Nov 2020 14:56

Instrument :

MSVOA_D

ClientSampled :

SS-3

Tot Ion: 97 Resp: 13641

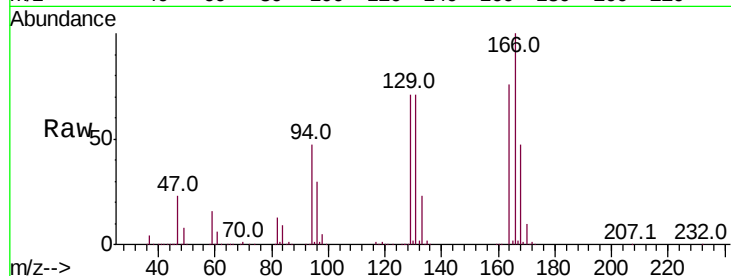
Ion Ratio Lower Upper

97 100

83 137.4 61.0 91.6#

85 32.4 41.5 62.3#

99 16.2 49.4 74.2#

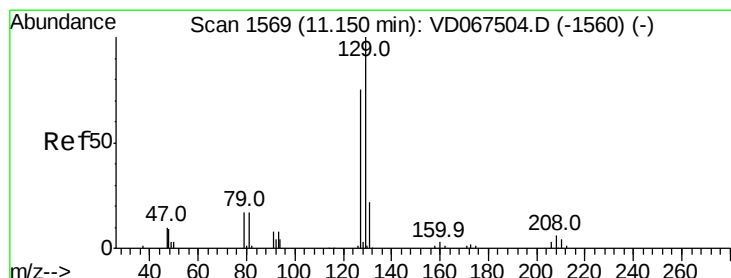
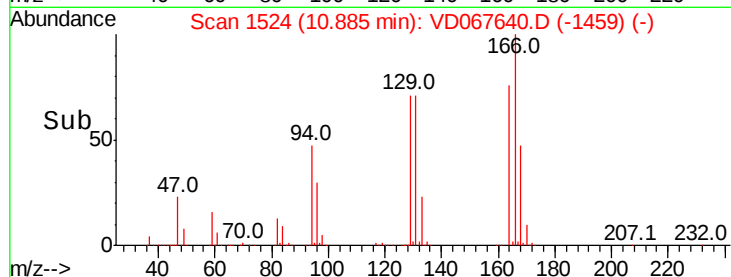
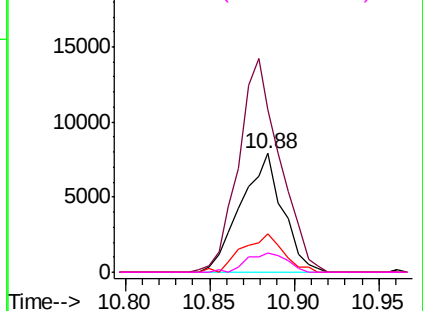


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#60

Dibromochloromethane

Concen: 545.189 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.27 min

Lab File: VD067640.D

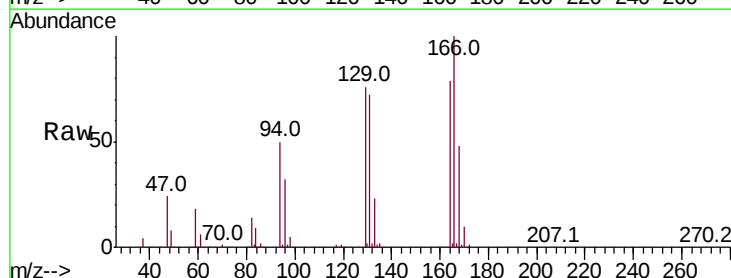
Acq: 16 Nov 2020 14:56

Tgt Ion:129 Resp: 1416621

Ion Ratio Lower Upper

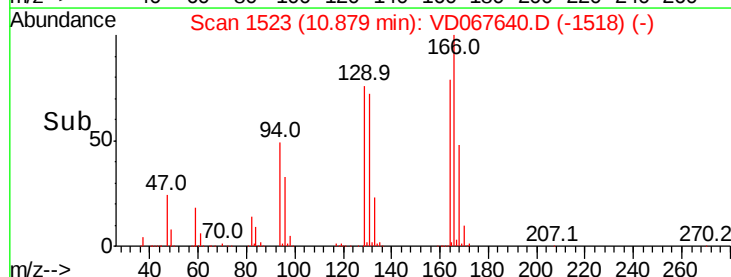
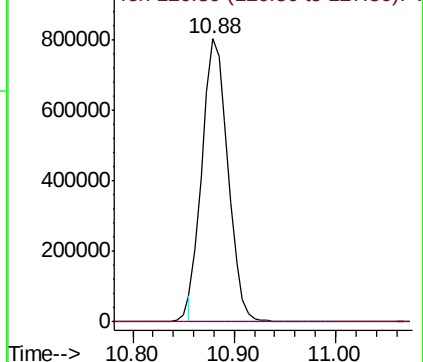
129 100

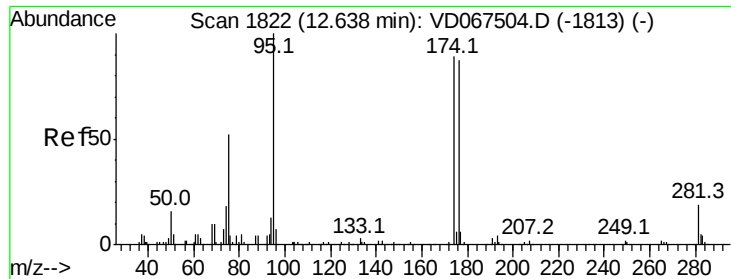
127 0.1 38.0 114.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

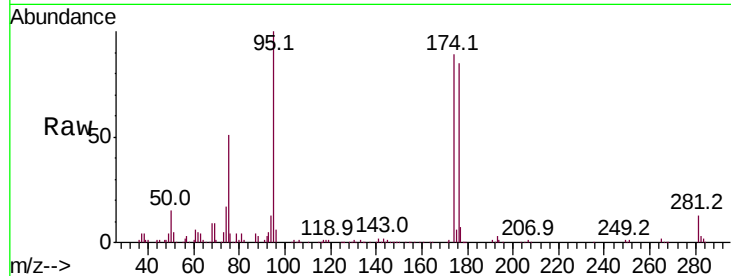




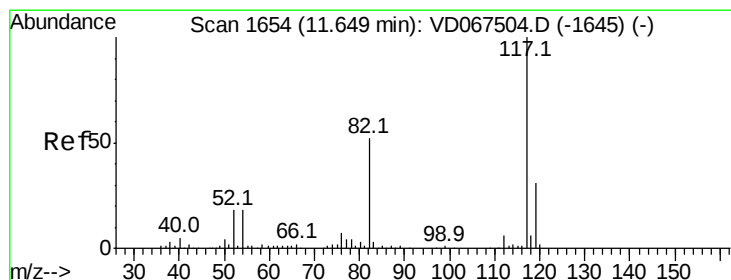
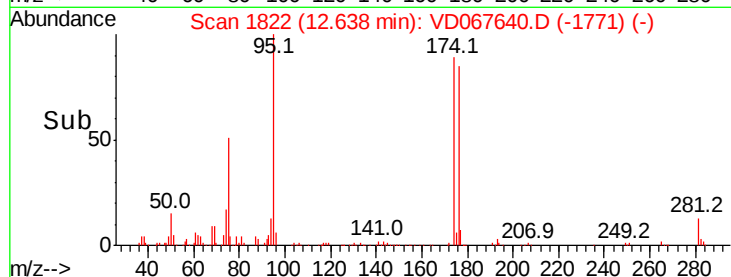
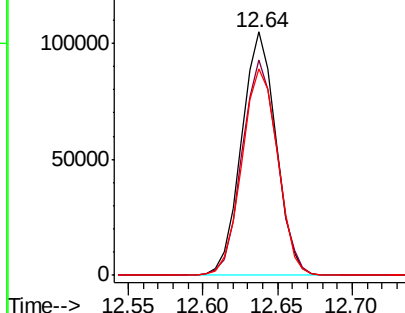
#62
4-Bromofluorobenzene
Concen: 55.320 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067640.D
Acq: 16 Nov 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
SS-3

Tot Ion: 95 Resp: 168426
Ion Ratio Lower Upper
95 100
174 89.5 0.0 177.8
176 87.2 0.0 172.0

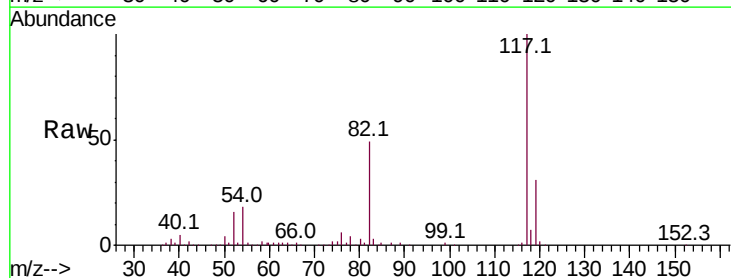


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

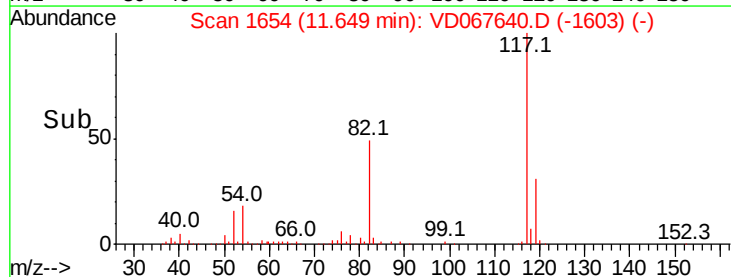
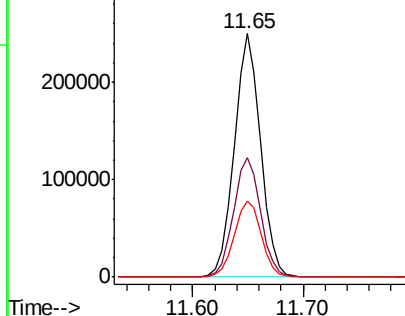


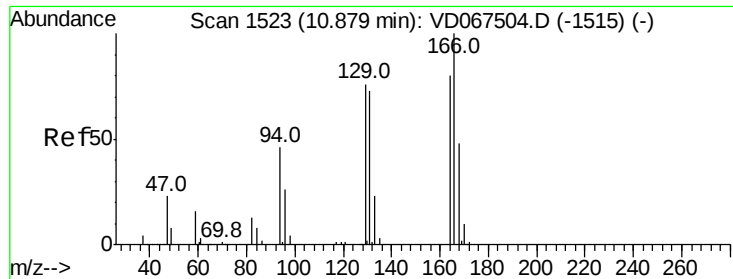
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067640.D
Acq: 16 Nov 2020 14:56

Tgt Ion: 117 Resp: 416302
Ion Ratio Lower Upper
117 100
82 48.9 41.6 62.4
119 31.1 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



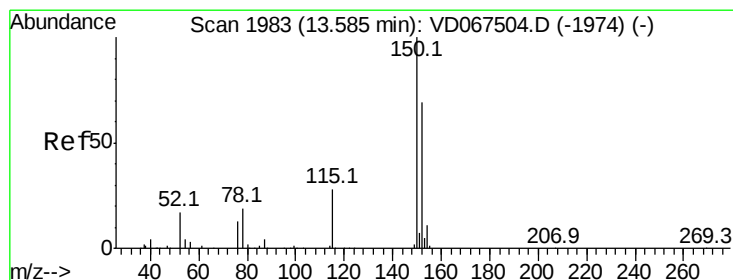
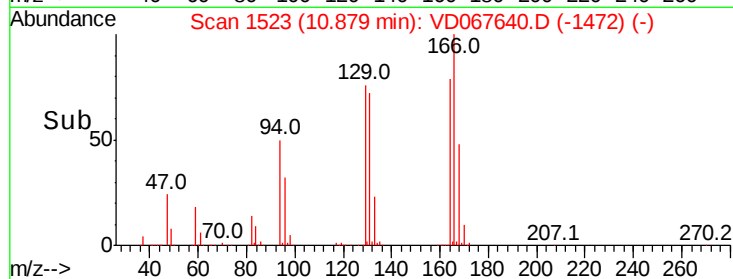
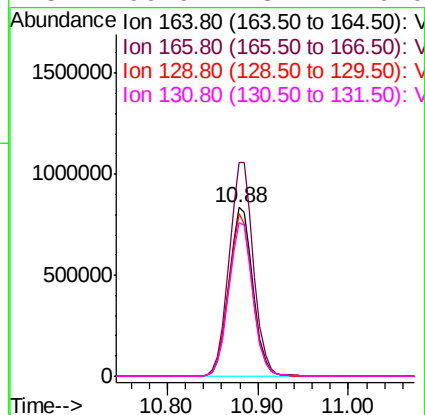
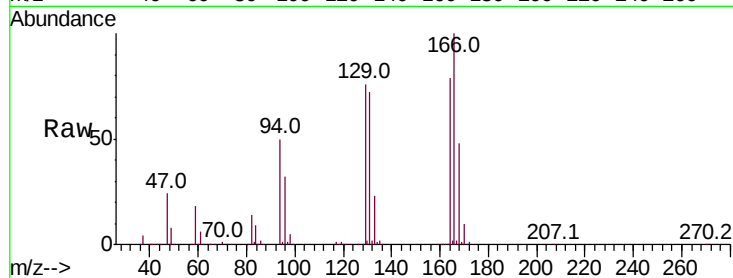


#64
Tetrachloroethene
Concen: 497.469 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067640.D
Acq: 16 Nov 2020 14:56

Instrument :
MSVOA_D
ClientSampleId :
SS-3

Tot Ion:164 Resp: 1533748

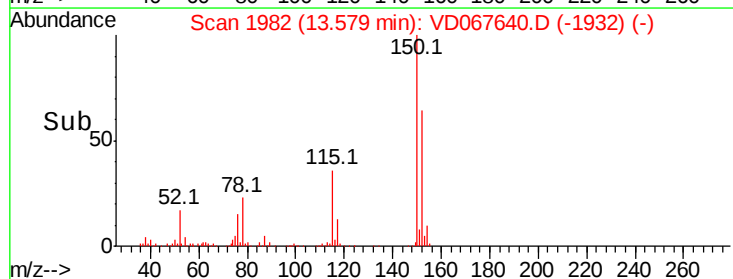
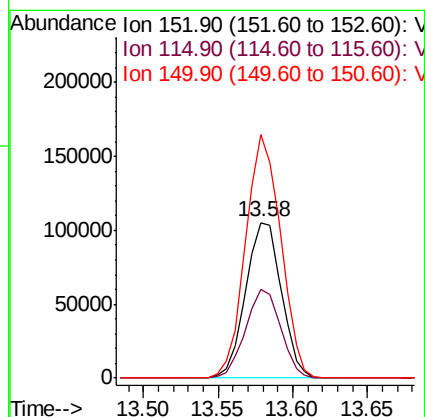
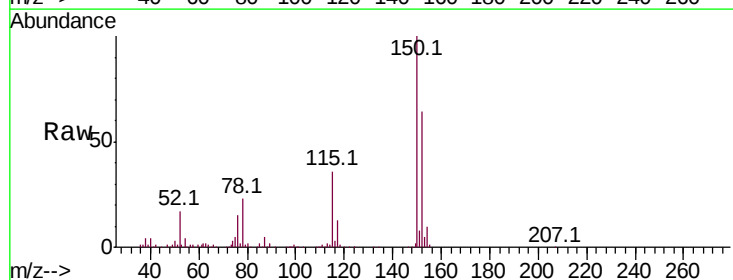
Ion	Ratio	Lower	Upper
164	100		
166	126.5	99.9	149.9
129	96.2	75.5	113.3
131	90.9	73.4	110.0

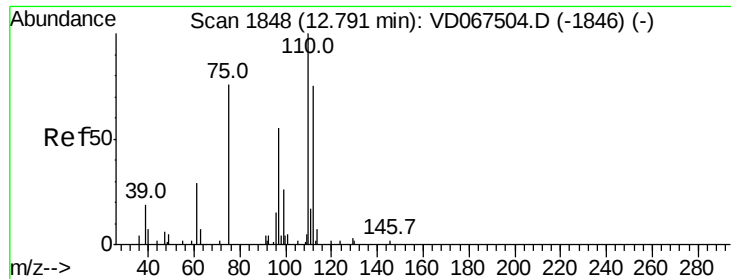


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067640.D
Acq: 16 Nov 2020 14:56

Tgt Ion:152 Resp: 173938

Ion	Ratio	Lower	Upper
152	100		
115	56.4	29.3	88.0
150	154.5	0.0	338.2

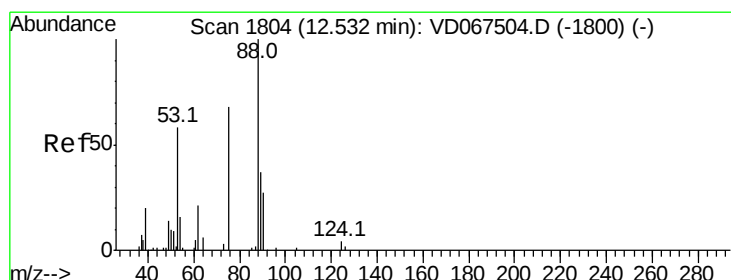
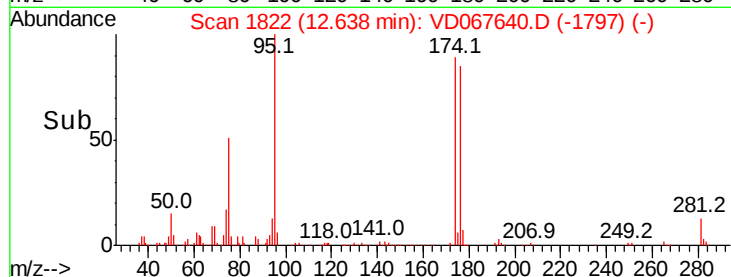
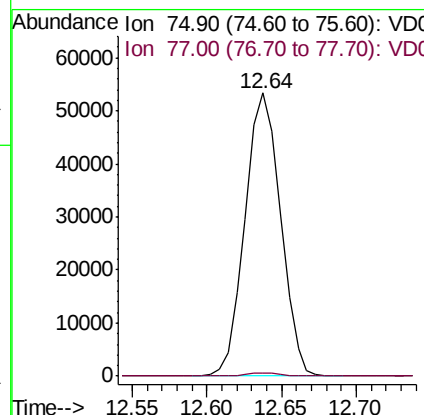
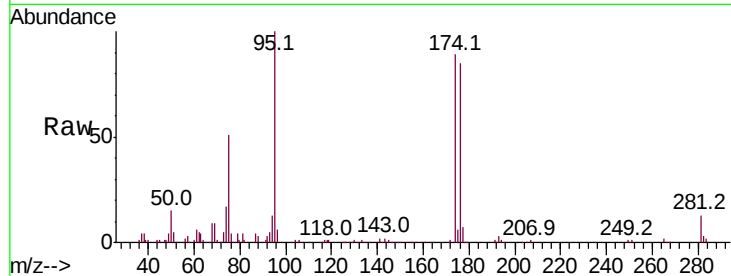




#76
 1,2,3-Trichloropropane
 Concen: 84.165 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067640.D
 Acq: 16 Nov 2020 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-3

Tot Ion: 75 Resp: 88314
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.878 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067640.D
 Acq: 16 Nov 2020 14:56

Tgt Ion: 75 Resp: 88314
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.9 113.9#
 89 0.3 44.6 67.0#

