

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067527.D
 Acq On : 04 Nov 2020 18:23
 Operator : VA/SY
 Sample : L4613-03RE
 Misc : 7.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 282

Quant Time: Nov 05 00:40:30 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

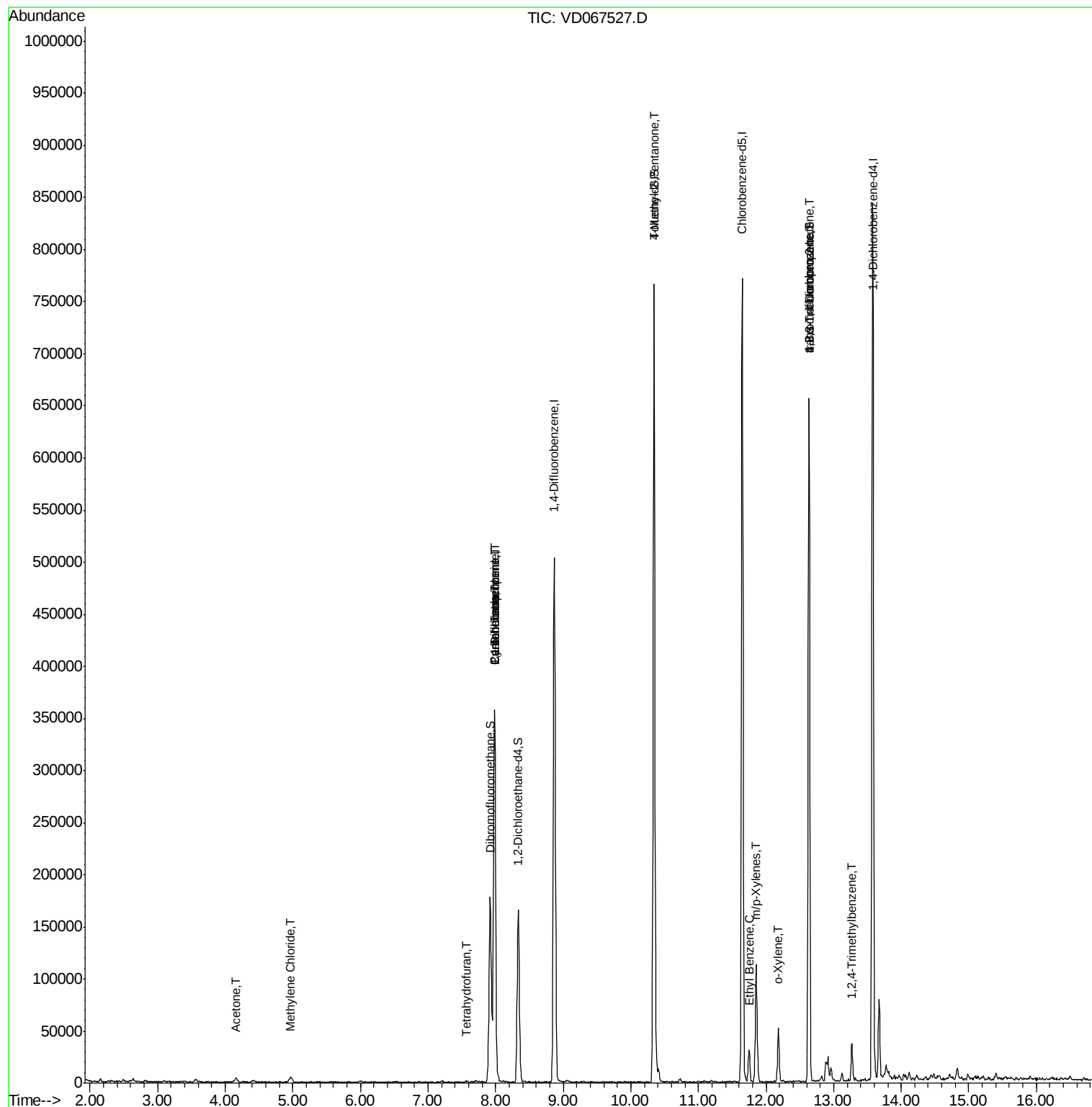
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	274437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	457030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	458136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235425	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	147002	61.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.52%	
35) Dibromofluoromethane	7.92	113	125074	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	
50) Toluene-d8	10.34	98	533756	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
62) 4-Bromofluorobenzene	12.64	95	206054	61.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	74	Below Cal	#	44
16) Acetone	4.16	43	7388	20.574	ug/l	95
20) Methylene Chloride	4.97	84	4345	1.713	ug/l #	86
29) Tetrahydrofuran	7.56	42	897	3.903	ug/l #	69
31) Cyclohexane	7.98	56	5210	1.497	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	19879	5.081	ug/l #	49
38) Carbon Tetrachloride	7.98	117	28706	5.648	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2272	2.365	ug/l #	1
67) Ethyl Benzene	11.75	91	20153	1.335	ug/l	100
68) m/p-Xylenes	11.85	106	36557	6.222	ug/l	97
69) o-Xylene	12.18	106	14534	2.771	ug/l	95
76) 1,2,3-Trichloropropane	12.64	75	104629	73.671	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	104629	149.572	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	19992	1.545	ug/l	98

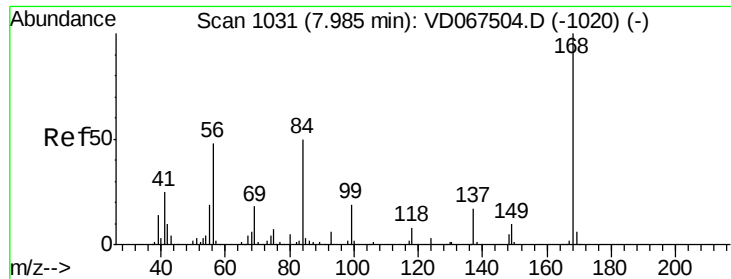
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067527.D

Acq: 04 Nov 2020 18:23

Instrument :

MSVOA_D

ClientSampleId :

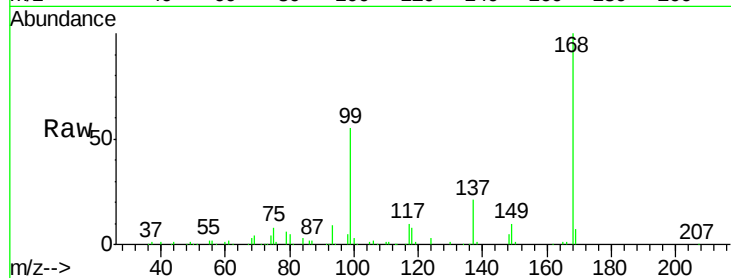
282

Tot Ion:168 Resp: 274437

Ion Ratio Lower Upper

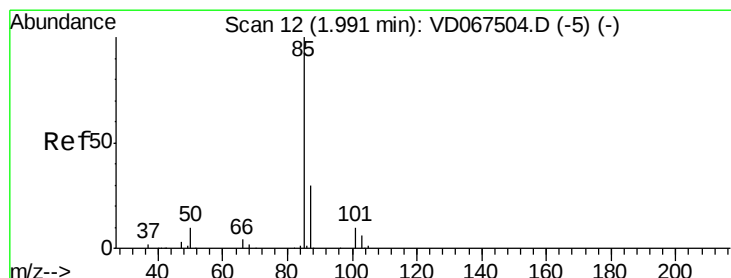
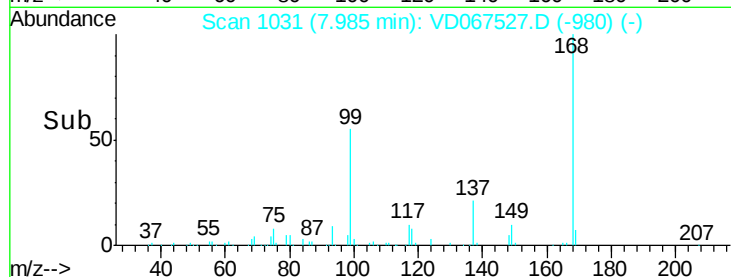
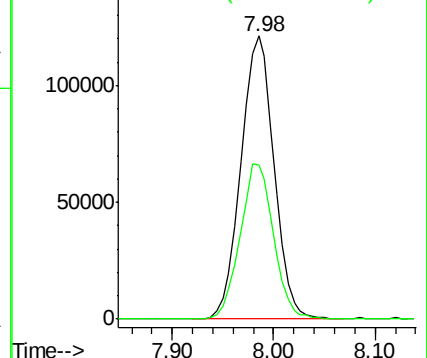
168 100

99 54.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067527.D

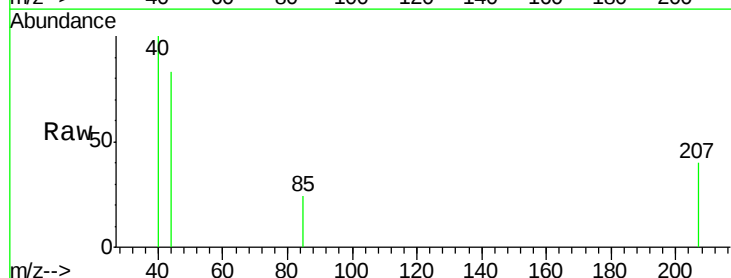
Acq: 04 Nov 2020 18:23

Tgt Ion: 85 Resp: 74

Ion Ratio Lower Upper

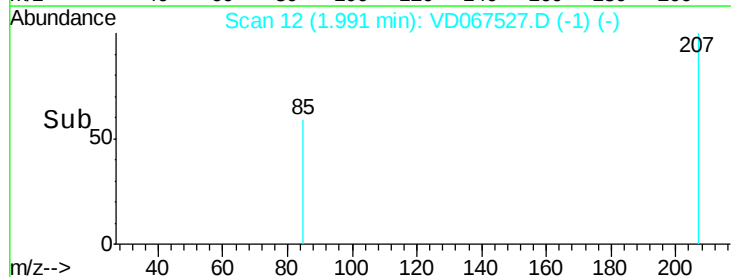
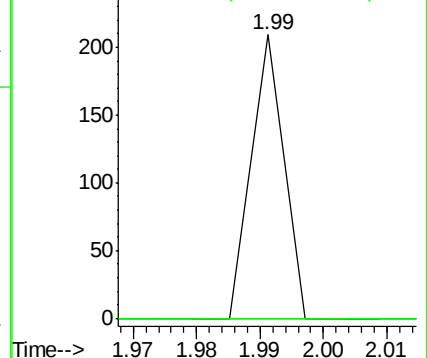
85 100

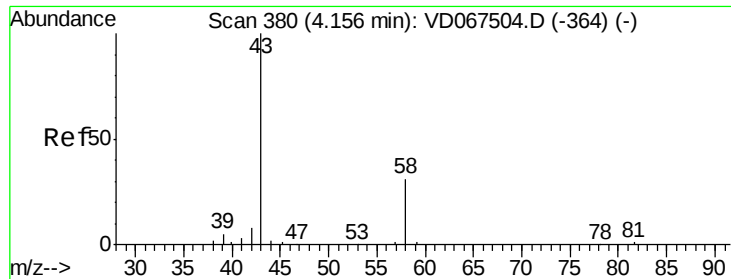
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 20.574 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067527.D

Acq: 04 Nov 2020 18:23

Instrument :

MSVOA_D

ClientSampleId :

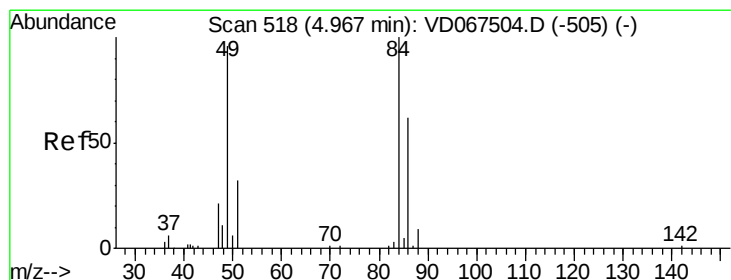
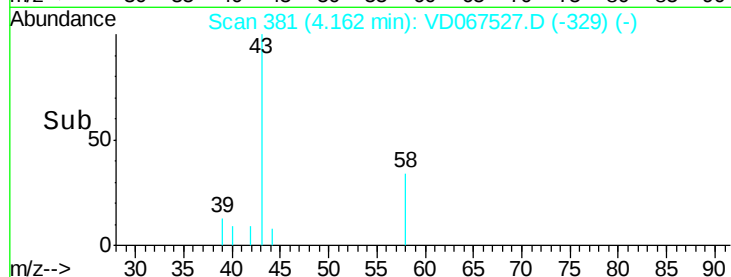
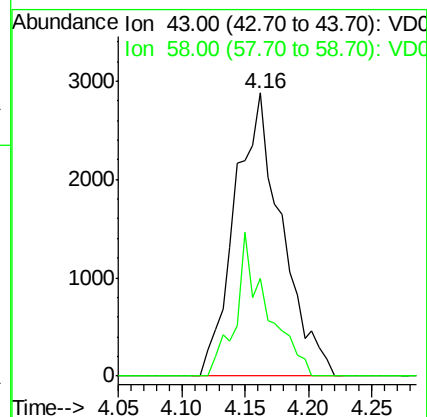
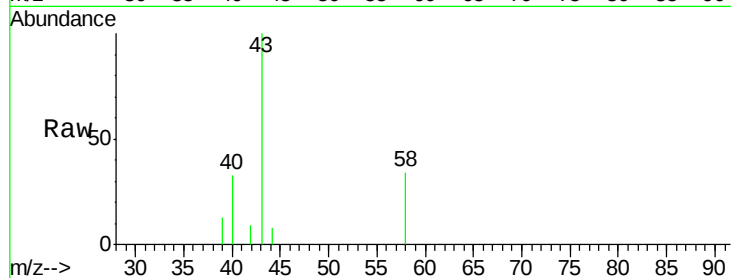
282

Tot Ion: 43 Resp: 7388

Ion Ratio Lower Upper

43 100

58 34.4 25.2 37.8



#20

Methylene Chloride

Concen: 1.713 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD067527.D

Acq: 04 Nov 2020 18:23

Tgt Ion: 84 Resp: 4345

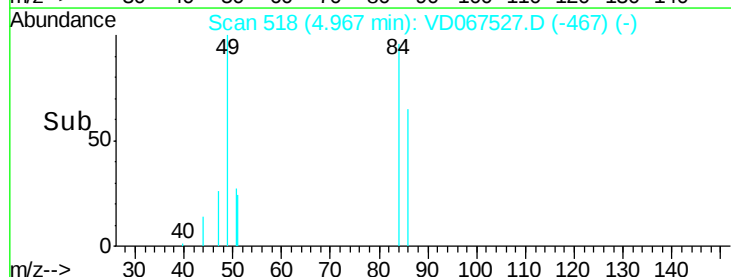
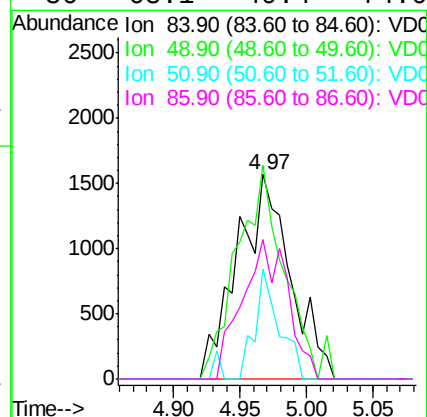
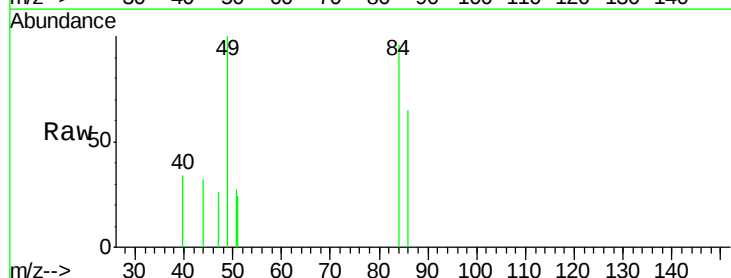
Ion Ratio Lower Upper

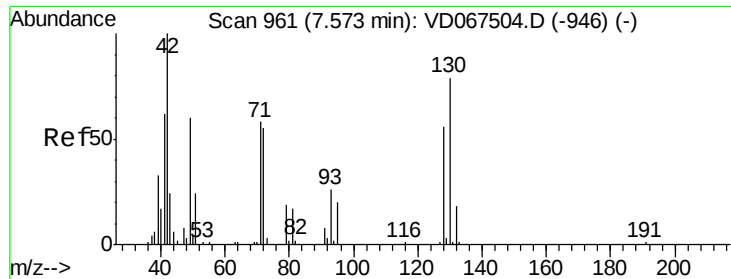
84 100

49 104.5 77.0 115.4

51 53.9 25.4 38.2#

86 68.1 49.4 74.0





#29

Tetrahydrofuran

Concen: 3.903 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067527.D

Acq: 04 Nov 2020 18:23

Instrument :

MSVOA_D

ClientSampleId :

282

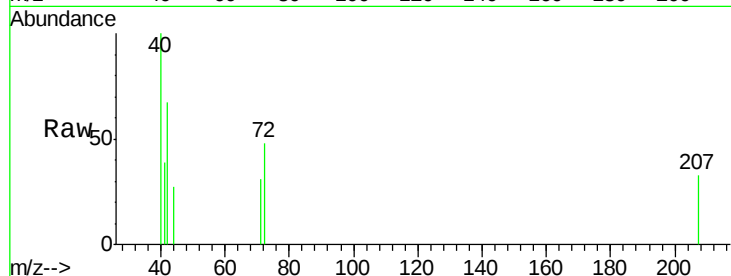
Tot Ion: 42 Resp: 897

Ion Ratio Lower Upper

42 100

72 44.1 46.3 69.5#

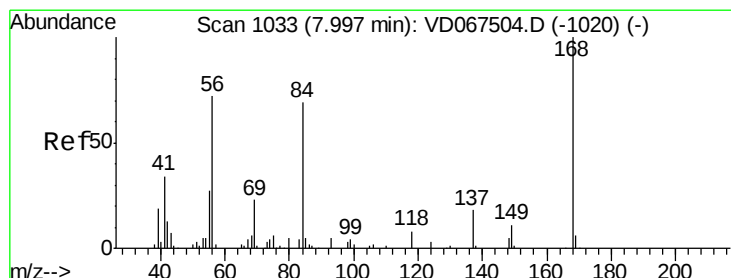
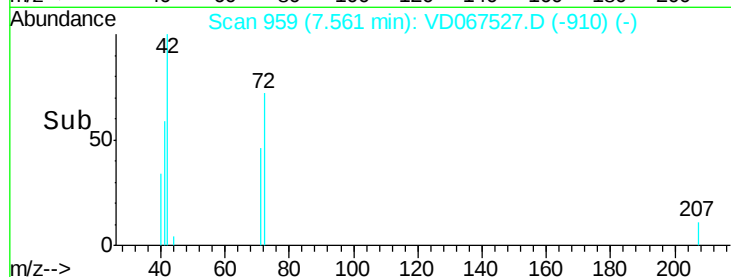
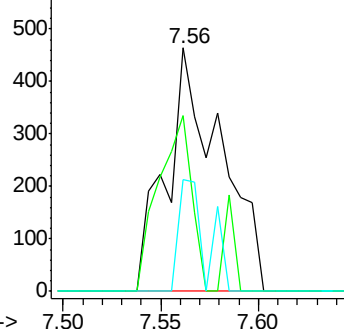
71 22.9 44.0 66.0#



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: 1.497 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067527.D

Acq: 04 Nov 2020 18:23

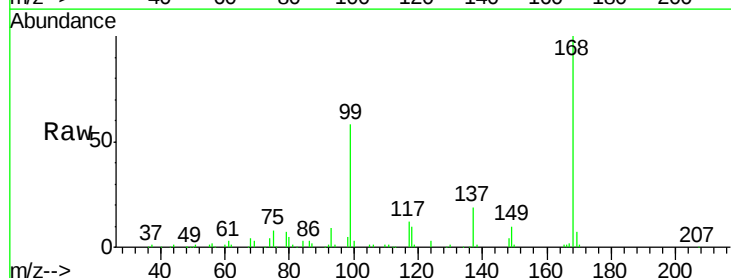
Tgt Ion: 56 Resp: 5210

Ion Ratio Lower Upper

56 100

69 150.3 25.9 38.9#

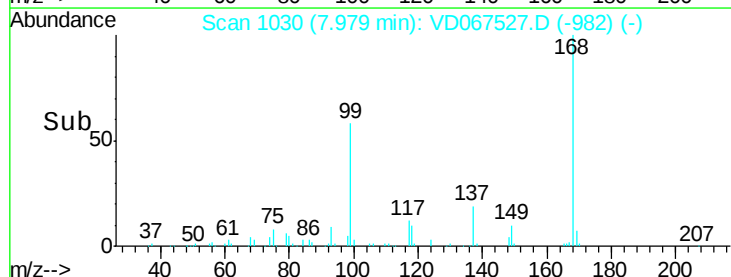
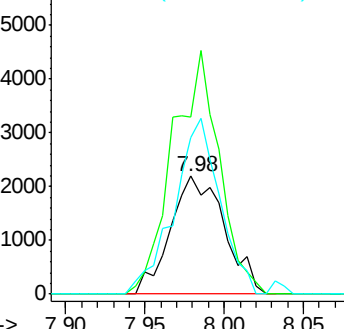
84 133.2 76.2 114.4#

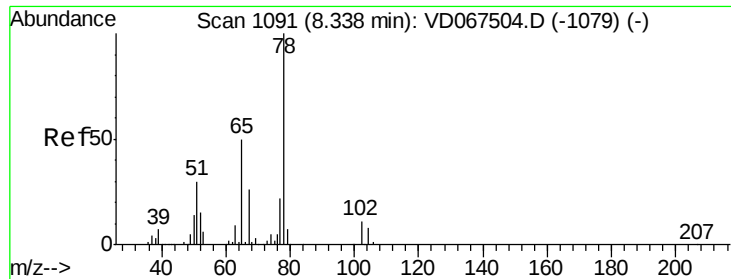


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

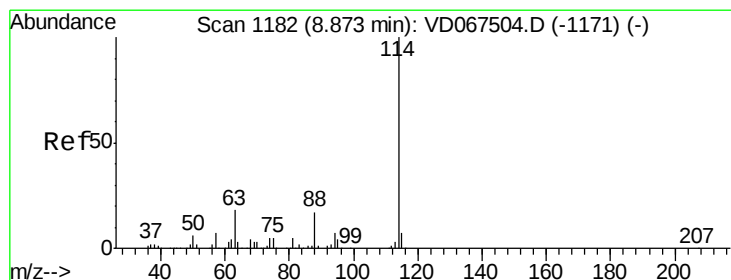
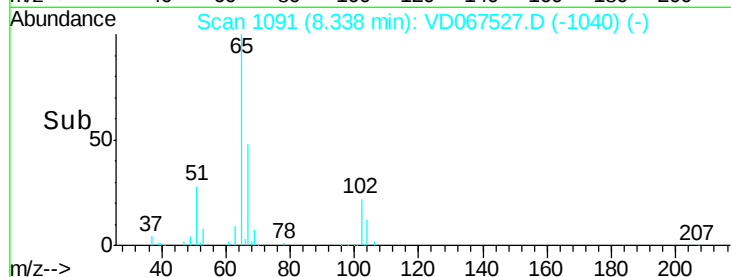
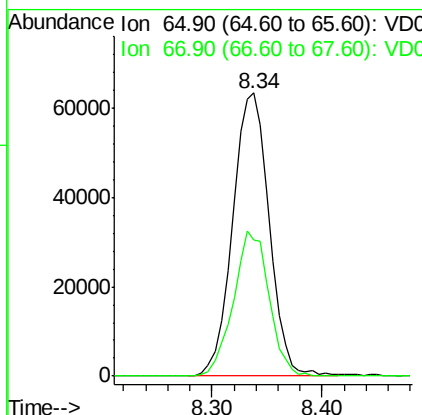
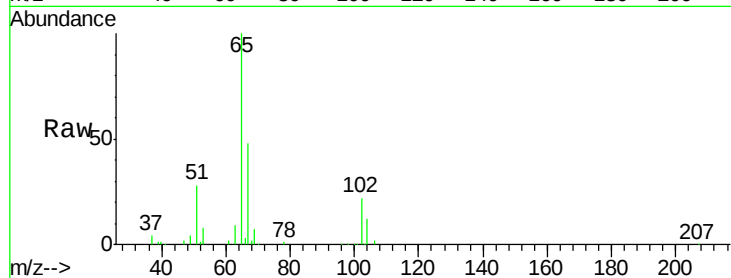




#33
 1,2-Dichloroethane-d4
 Concen: 61.260 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067527.D
 Acq: 04 Nov 2020 18:23

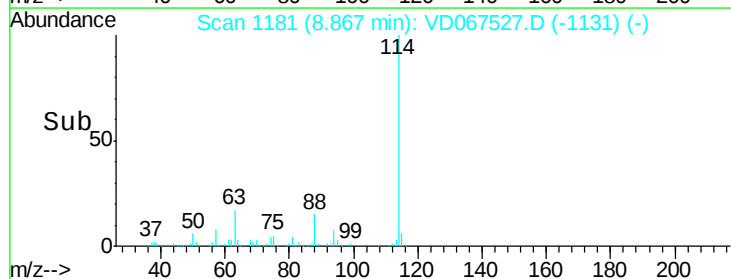
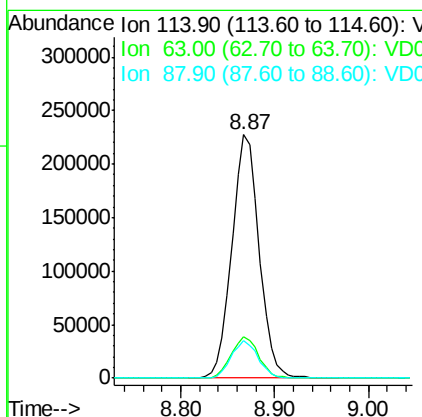
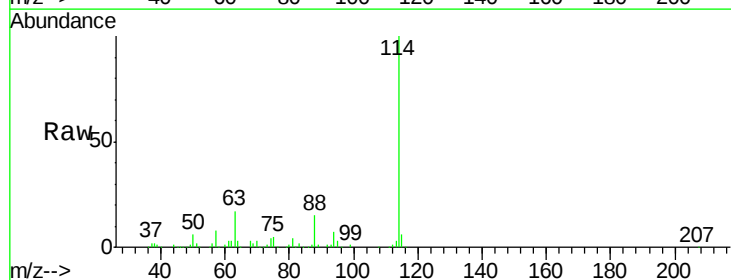
Instrument :
 MSVOA_D
 ClientSampleId :
 282

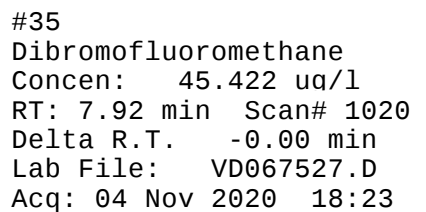
Tot Ion: 65 Resp: 147002
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067527.D
 Acq: 04 Nov 2020 18:23

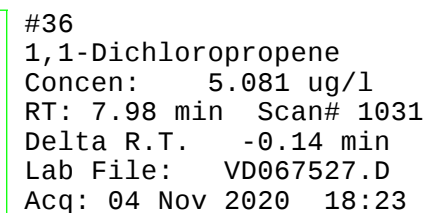
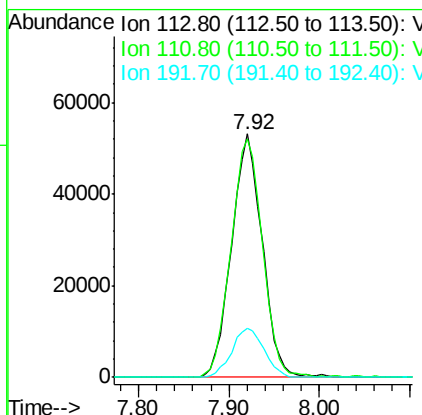
Tgt Ion: 114 Resp: 457030
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 35.0
 88 15.3 0.0 33.0



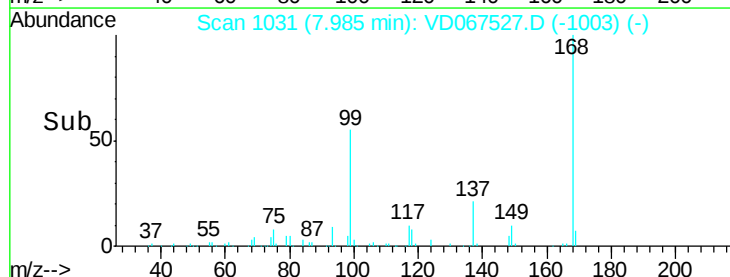
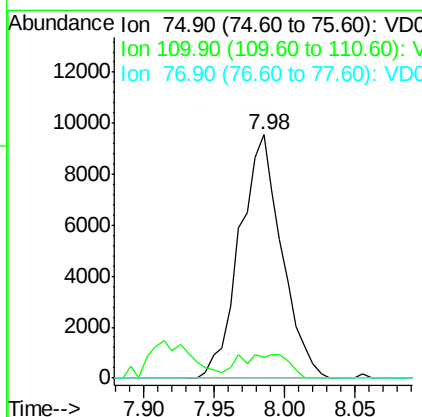


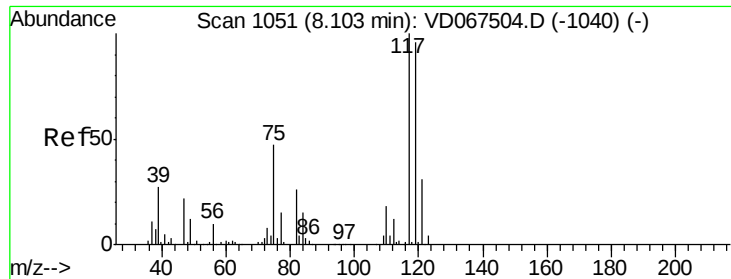
Instrument :
MSVOA_D
ClientSampleId :
282

Tqt	Ion:113	Resp:	125074
Ion	Ratio	Lower	Upper
113	100		
111	100.6	80.0	120.0
192	21.0	16.3	24.5



Tgt	Ion: 75	Resp:	19879
Ion	Ratio	Lower	Upper
75	100		
110	11.5	19.9	59.7#
77	0.0	24.8	37.2#

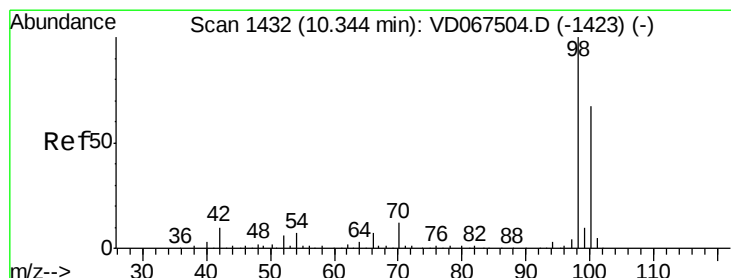
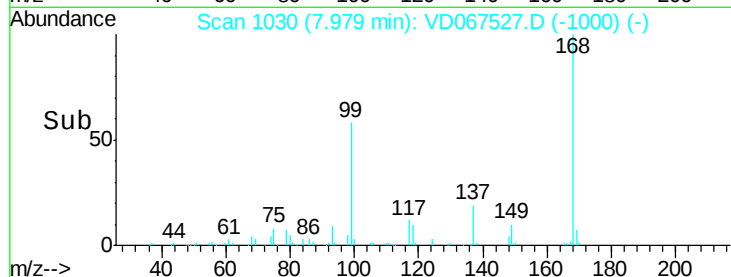
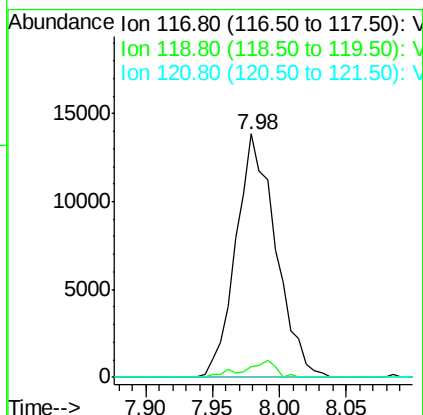
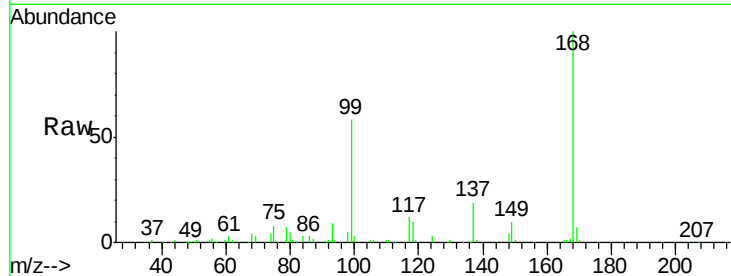




#38
Carbon Tetrachloride
Concen: 5.648 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067527.D
Acq: 04 Nov 2020 18:23

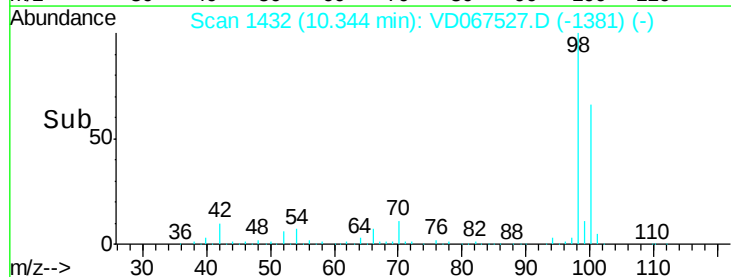
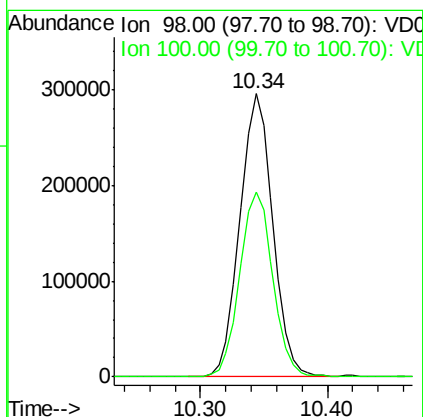
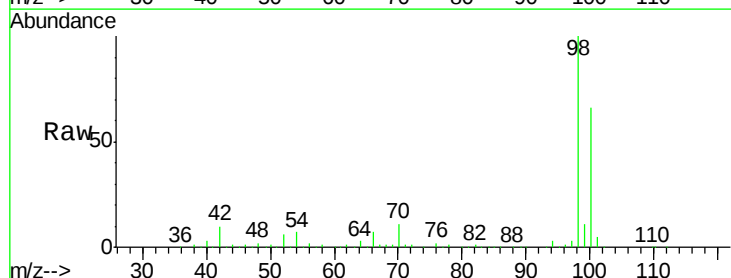
Instrument :
MSVOA_D
ClientSampleId :
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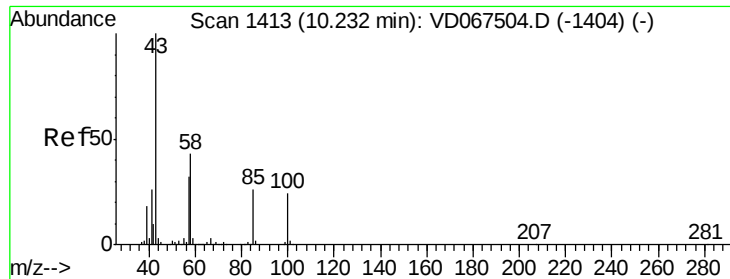
Tot Ion:117 Resp: 28706
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 55.158 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067527.D
Acq: 04 Nov 2020 18:23

Tgt Ion: 98 Resp: 533756
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.6

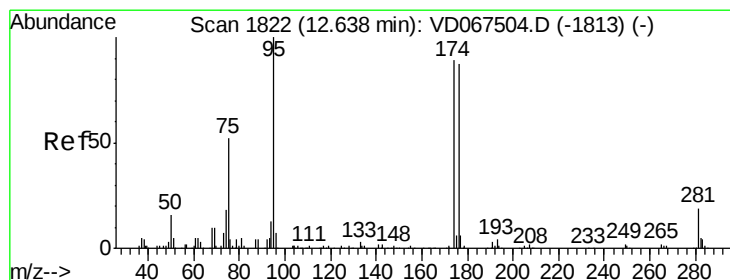
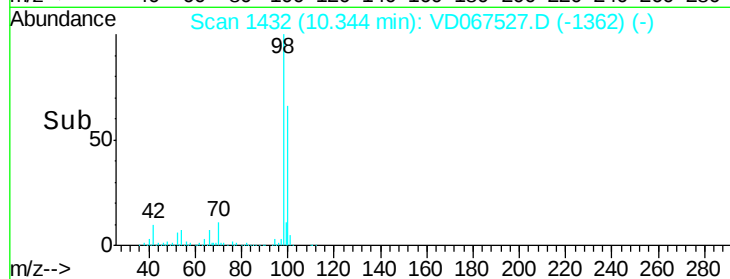
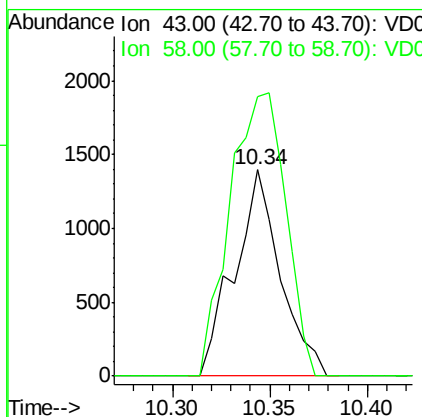
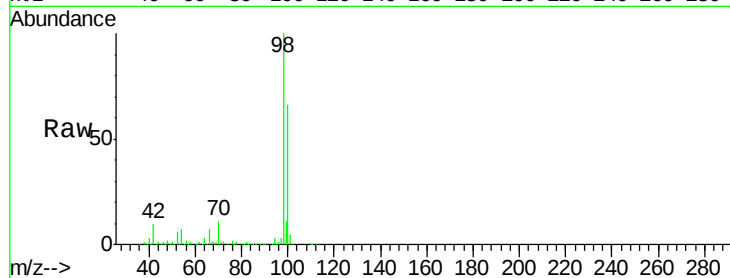




#51
4-Methyl-2-Pentanone
Concen: 2.365 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067527.D
Acq: 04 Nov 2020 18:23

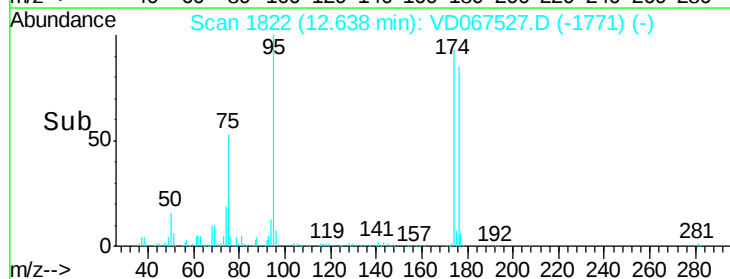
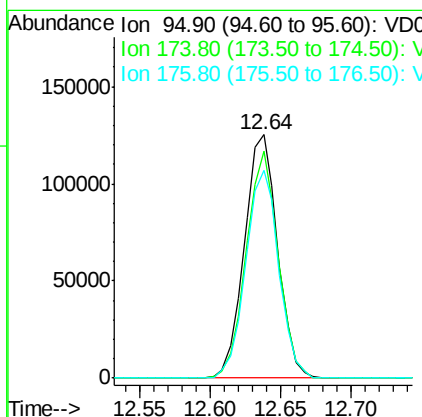
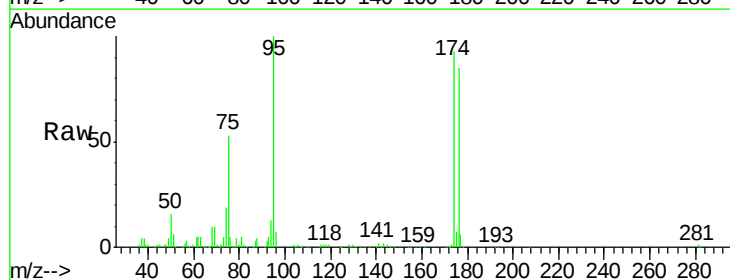
Instrument :
MSVOA_D
ClientSampleId :
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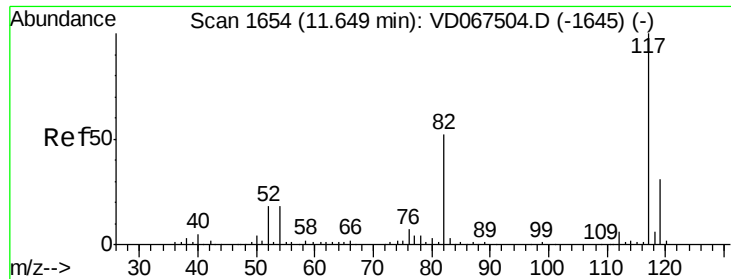
Tot Ion: 43 Resp: 2272
Ion Ratio Lower Upper
43 100
58 166.5 35.6 53.4#



#62
4-Bromofluorobenzene
Concen: 61.677 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067527.D
Acq: 04 Nov 2020 18:23

Tgt Ion: 95 Resp: 206054
Ion Ratio Lower Upper
95 100
174 90.3 0.0 177.8
176 85.1 0.0 172.0

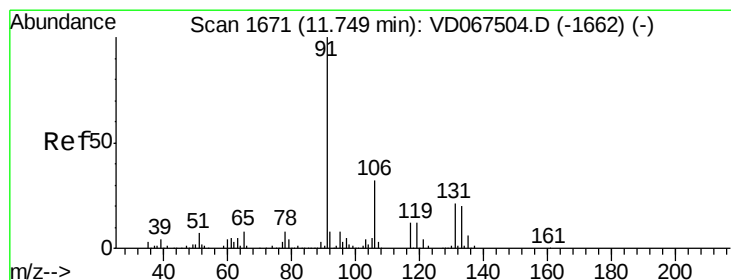
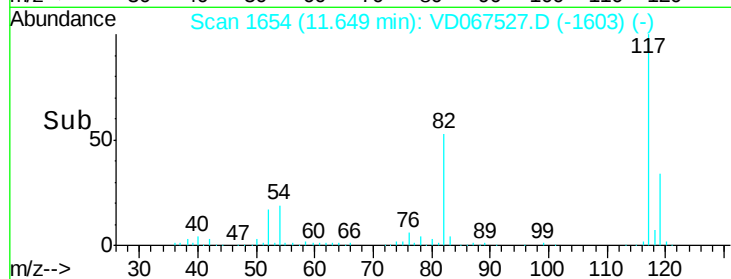
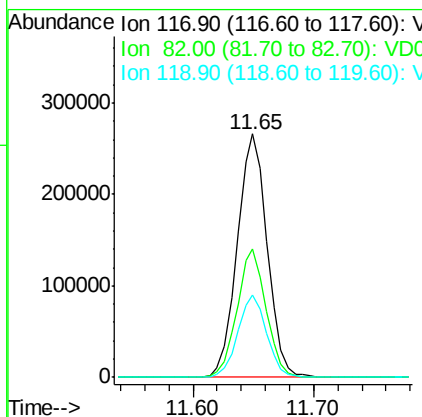
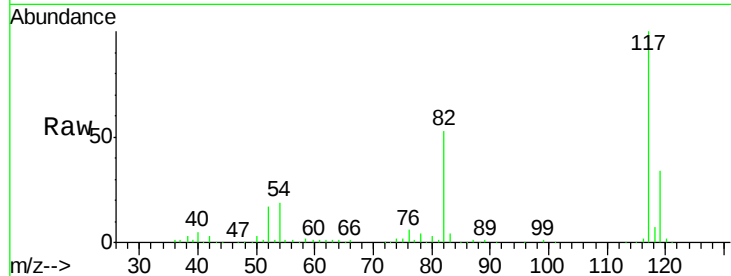




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067527.D
Acq: 04 Nov 2020 18:23

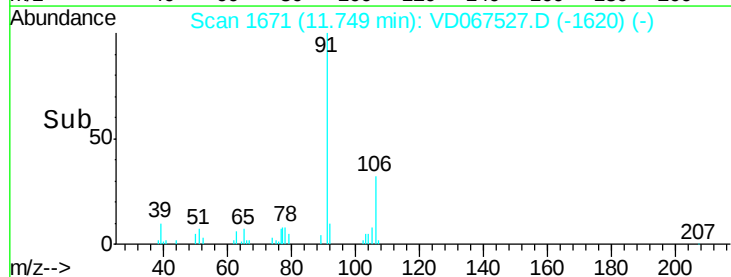
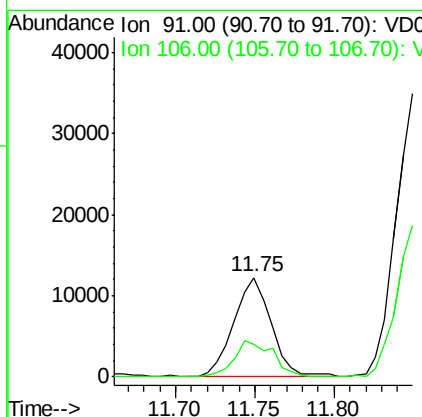
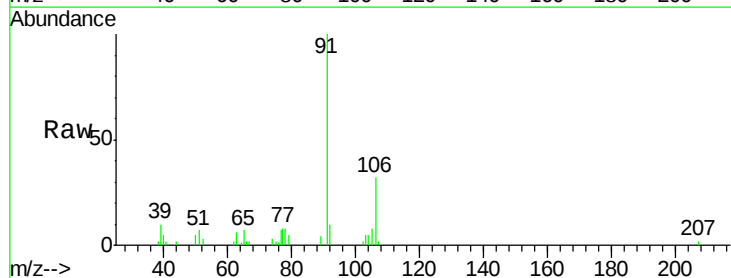
Instrument :
MSVOA_D
ClientSampleId :
282

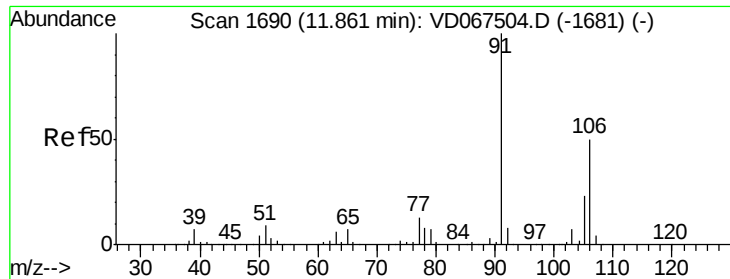
Tot Ion:117 Resp: 458136
Ion Ratio Lower Upper
117 100
82 52.7 41.6 62.4
119 34.0 25.1 37.7



#67
Ethyl Benzene
Concen: 1.335 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067527.D
Acq: 04 Nov 2020 18:23

Tgt Ion: 91 Resp: 20153
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

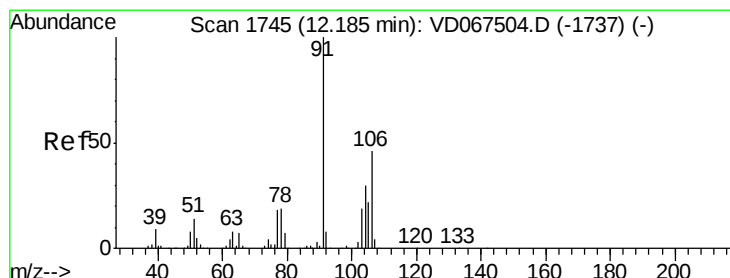
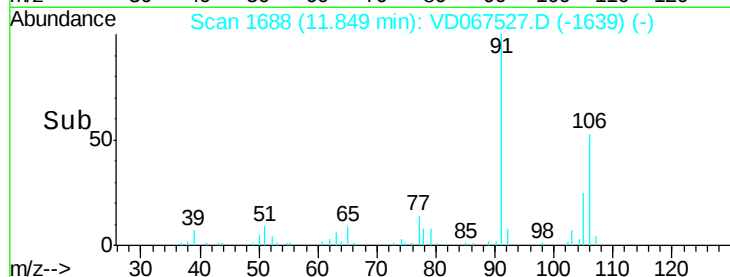
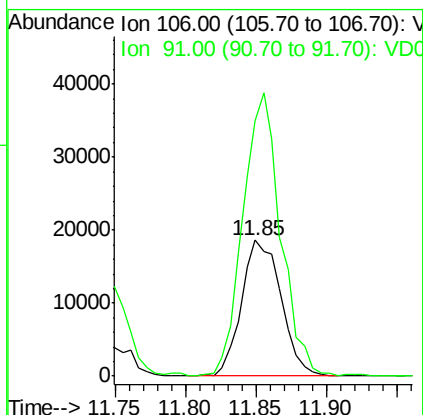
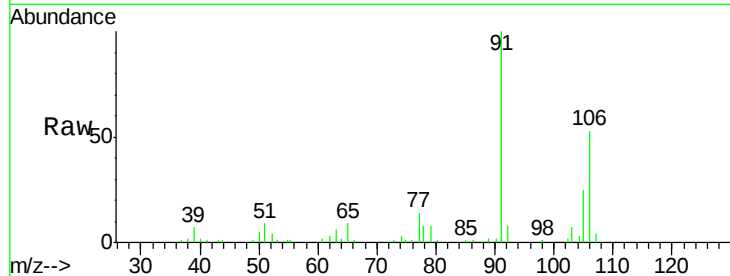




#68
m/p-Xylenes
Concen: 6.222 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD067527.D
Acq: 04 Nov 2020 18:23

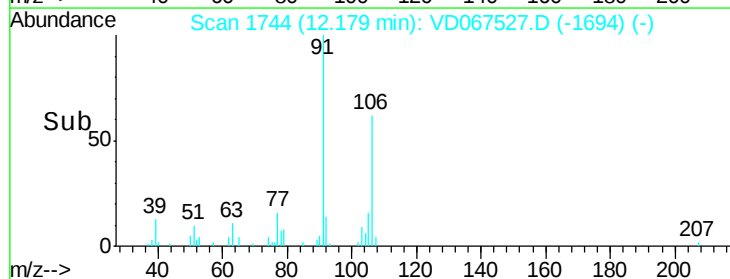
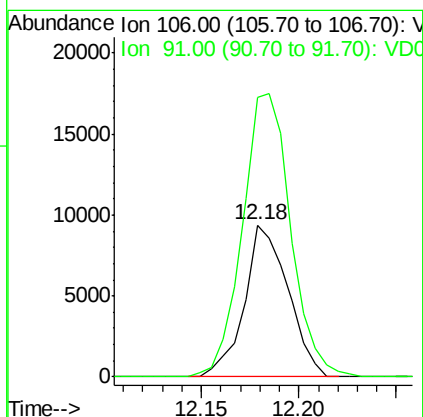
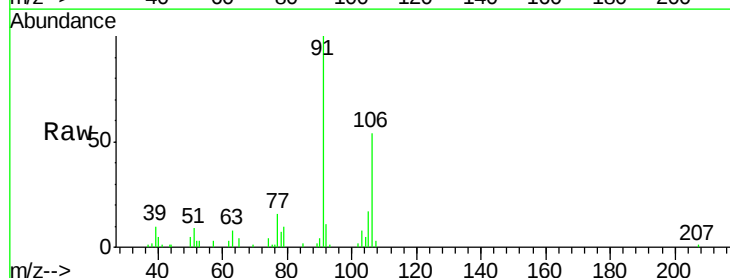
Instrument :
MSVOA_D
ClientSampled :
282

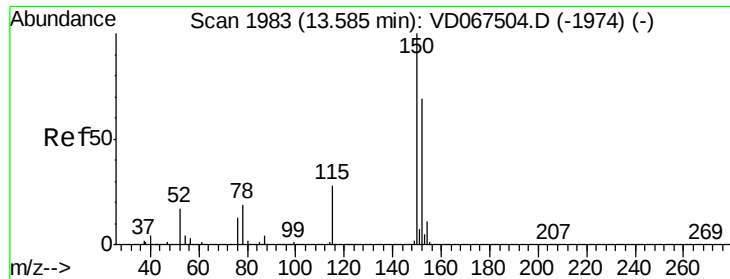
Tot Ion:106 Resp: 36557
Ion Ratio Lower Upper
106 100
91 198.5 162.6 244.0



#69
o-Xylene
Concen: 2.771 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD067527.D
Acq: 04 Nov 2020 18:23

Tgt Ion:106 Resp: 14534
Ion Ratio Lower Upper
106 100
91 206.2 107.1 321.1



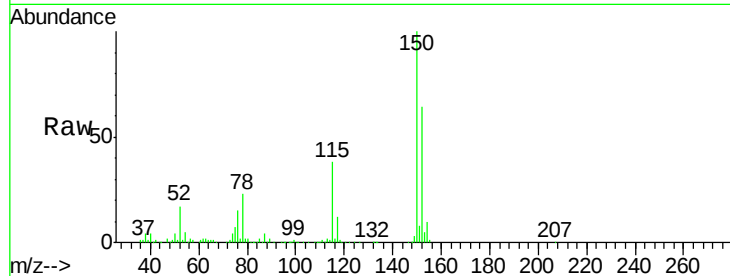


#72

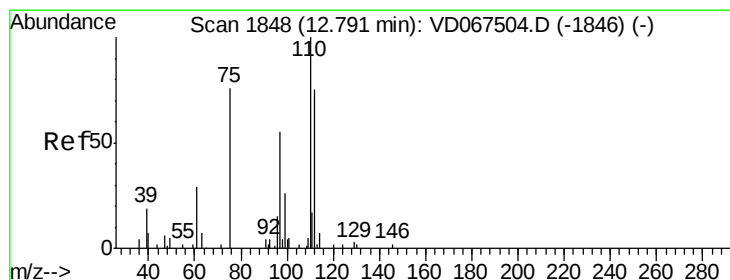
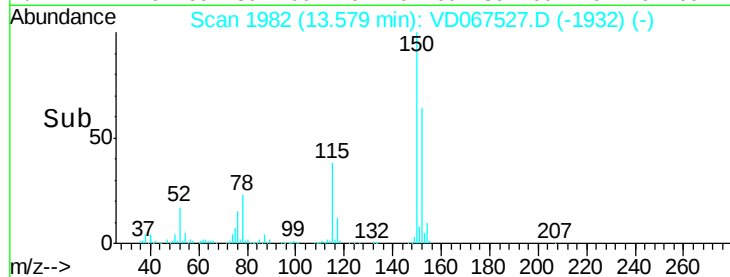
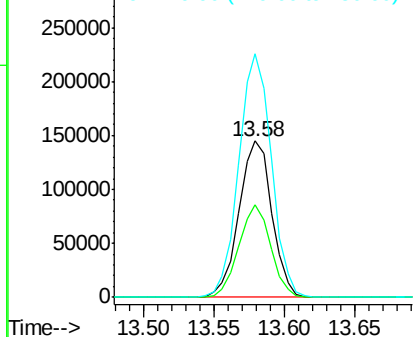
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067527.D
Acq: 04 Nov 2020 18:23

Instrument :
MSVOA_D
ClientSampled :
282

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.3	29.3	88.0
150	155.0	0.0	338.2



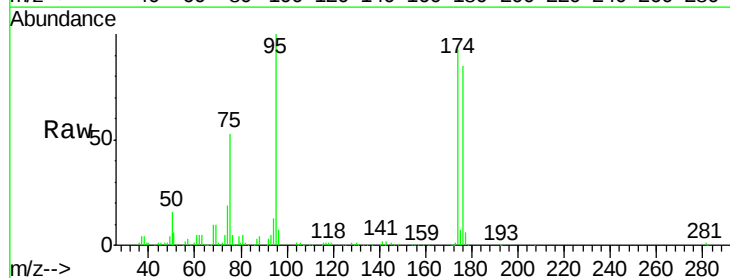
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



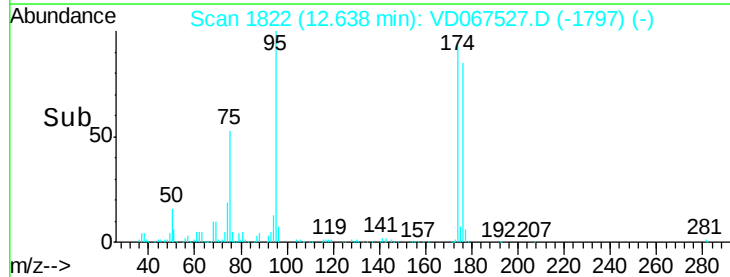
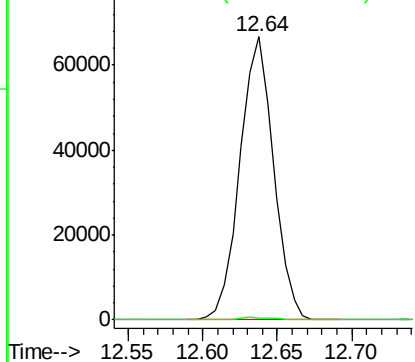
#76

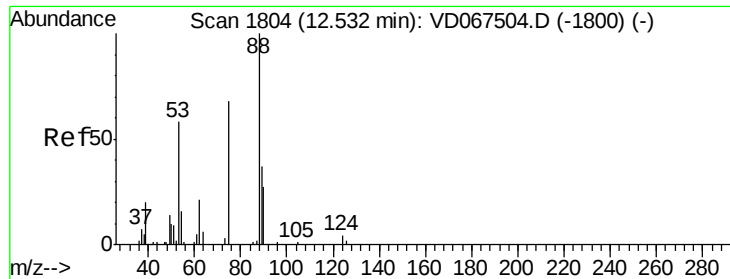
1,2,3-Trichloropropane
Concen: 73.671 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067527.D
Acq: 04 Nov 2020 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 149.572 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067527.D

Acq: 04 Nov 2020 18:23

Instrument :

MSVOA_D

ClientSampleId :

282

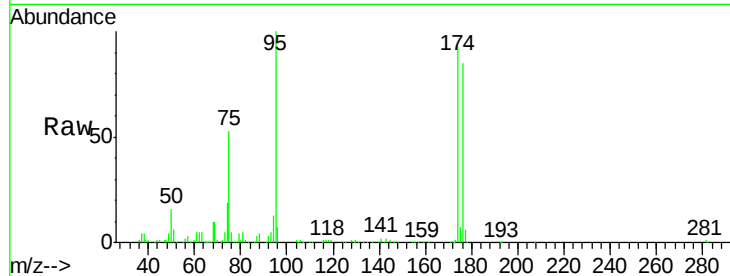
Tot Ion: 75 Resp: 104629

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

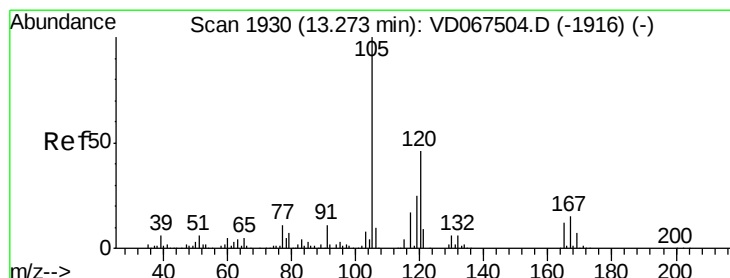
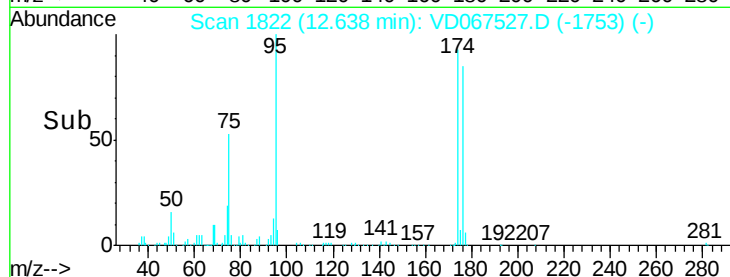
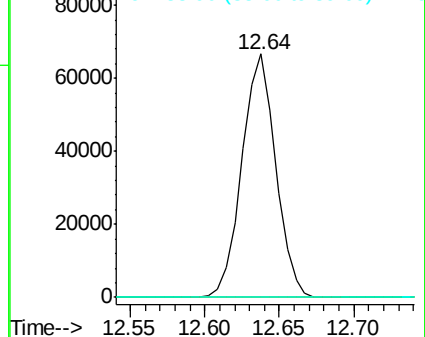
89 0.0 44.6 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#84

1,2,4-Trimethylbenzene

Concen: 1.545 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD067527.D

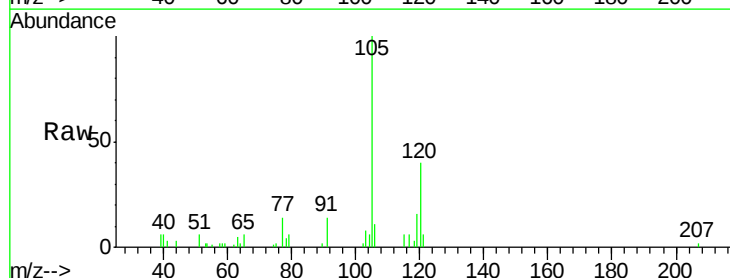
Acq: 04 Nov 2020 18:23

Tgt Ion: 105 Resp: 19992

Ion Ratio Lower Upper

105 100

120 45.2 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

