

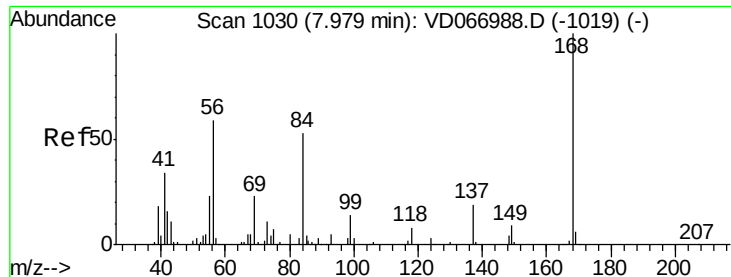
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067150.D
 Acq On : 07 Oct 2020 14:11
 Operator : VA/SY
 Sample : L4273-13
 Misc : 5.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7

Quant Time: Oct 08 07:23:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	392515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	628148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	583863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258434	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	200136	52.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.88%	
35) Dibromofluoromethane	7.91	113	204673	49.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.54%	
50) Toluene-d8	10.34	98	733643	48.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.64	95	238943	46.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	744	Below Cal		89
5) Bromomethane	2.79	94	120	Below Cal	#	3
11) Tert butyl alcohol	5.19	59	750	Below Cal	#	72
16) Acetone	4.17	43	8582	14.870	ug/l	95
20) Methylene Chloride	4.96	84	4334	Below Cal	#	90
25) 2-Butanone	7.20	43	1018	1.244	ug/l #	46
26) 2,2-Dichloropropane	7.20	77	2197	Below Cal	#	53
31) Cyclohexane	7.98	56	7459	1.314	ug/l #	23
36) 1,1-Dichloropropene	7.98	75	28401	4.851	ug/l #	49
38) Carbon Tetrachloride	7.97	117	40362	6.371	ug/l #	16
60) Dibromochloromethane	10.88	129	8295	2.038	ug/l #	12
64) Tetrachloroethene	10.87	164	10699	2.521	ug/l #	87
76) 1,2,3-Trichloropropane	12.64	75	120211	53.402	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	120211	133.139	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067150.D

Acq: 07 Oct 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

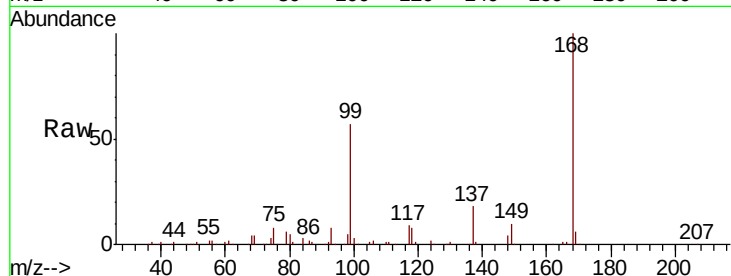
SB-7

Tot Ion:168 Resp: 392515

Ion Ratio Lower Upper

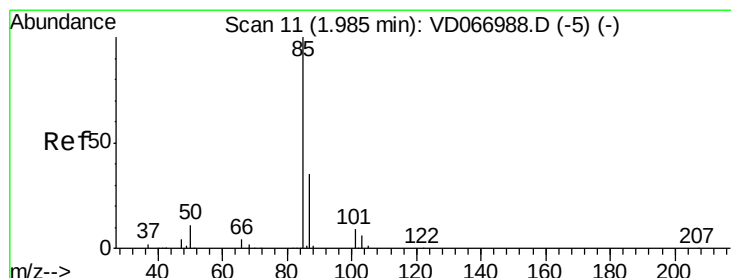
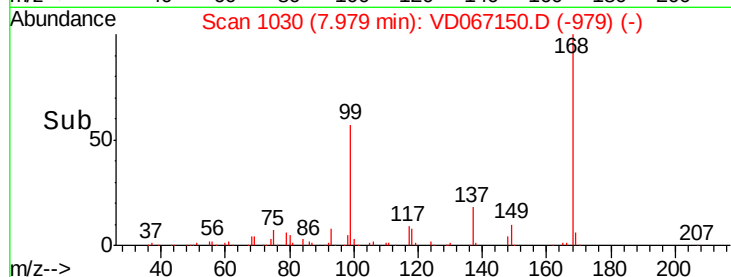
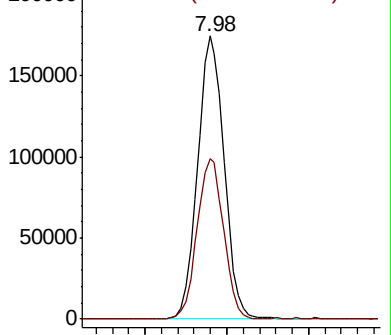
168 100

99 56.6 44.1 66.1



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# 11

Delta R.T. 0.00 min

Lab File: VD067150.D

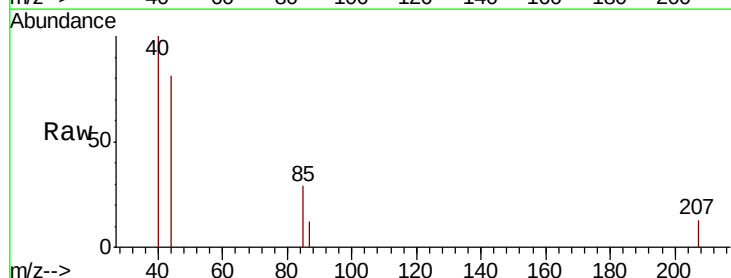
Acq: 07 Oct 2020 14:11

Tgt Ion: 85 Resp: 744

Ion Ratio Lower Upper

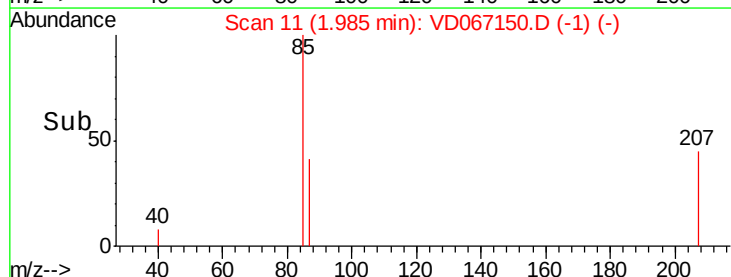
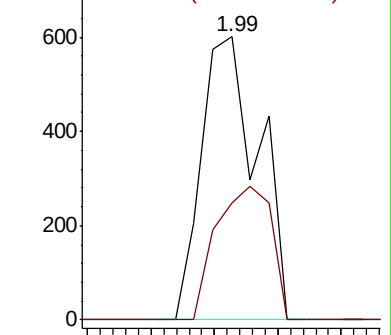
85 100

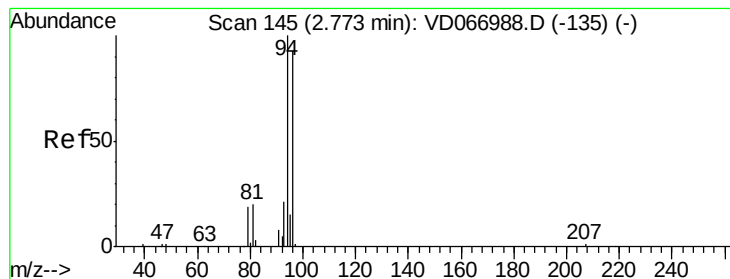
87 41.3 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067150.D

Acq: 07 Oct 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

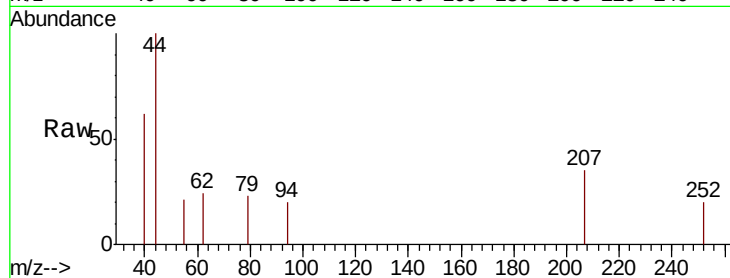
SB-7

Tot Ion: 94 Resp: 120

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

150

100

50

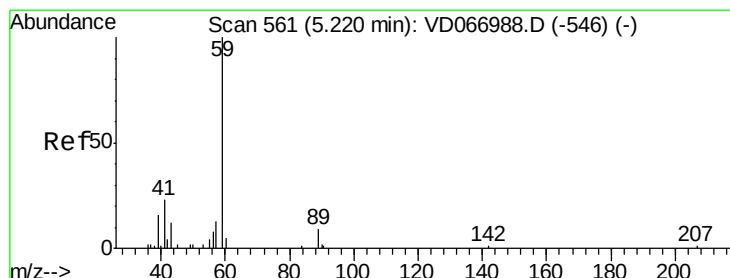
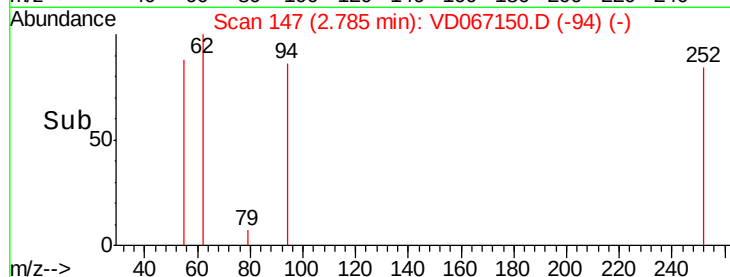
0

2.76

2.78

2.80

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 555

Delta R.T. -0.03 min

Lab File: VD067150.D

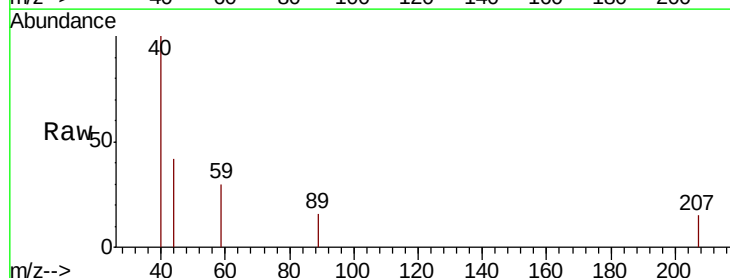
Acq: 07 Oct 2020 14:11

Tgt Ion: 59 Resp: 750

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

400

300

200

100

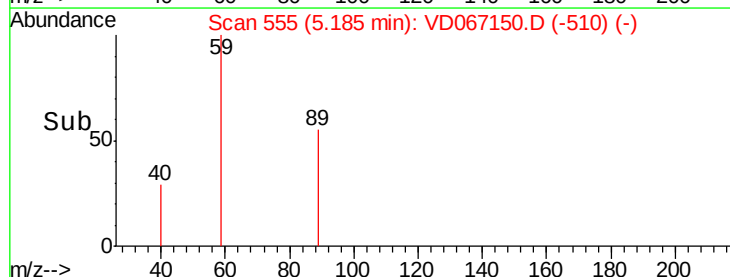
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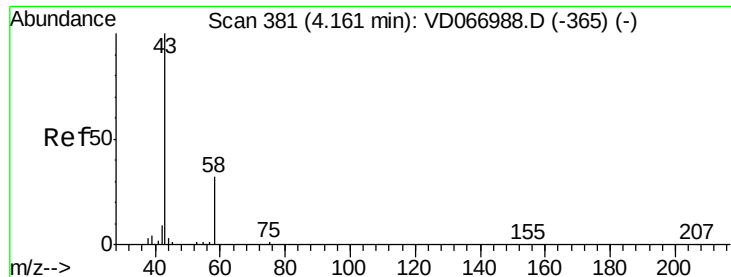
5.15

5.20

5.25

Time-->





#16

Acetone

Concen: 14.870 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067150.D

Acq: 07 Oct 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

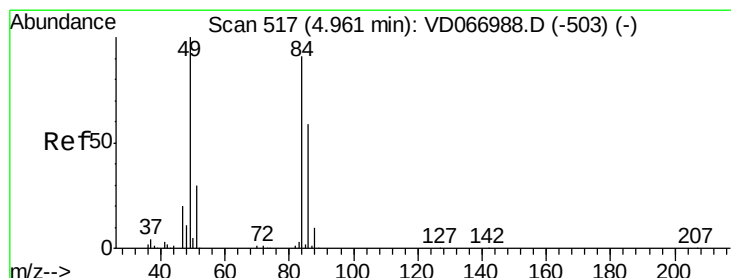
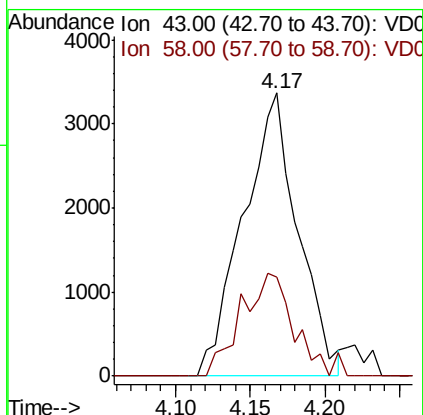
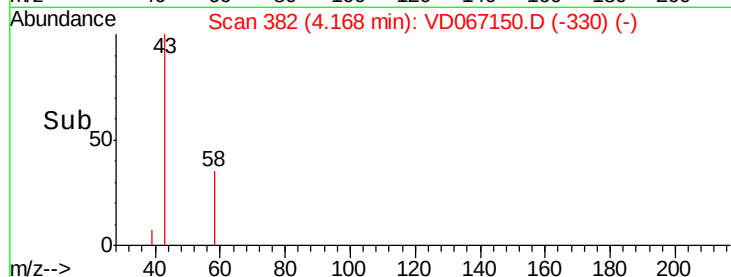
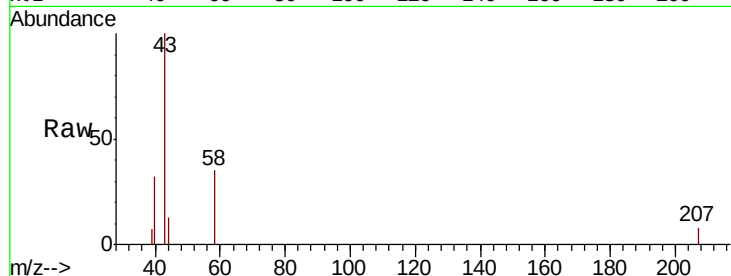
SB-7

Tot Ion: 43 Resp: 8582

Ion Ratio Lower Upper

43 100

58 35.0 25.9 38.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067150.D

Acq: 07 Oct 2020 14:11

Tgt Ion: 84 Resp: 4334

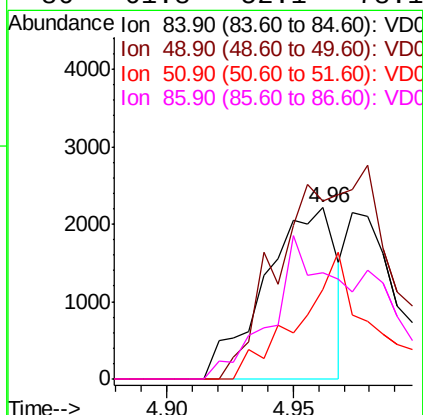
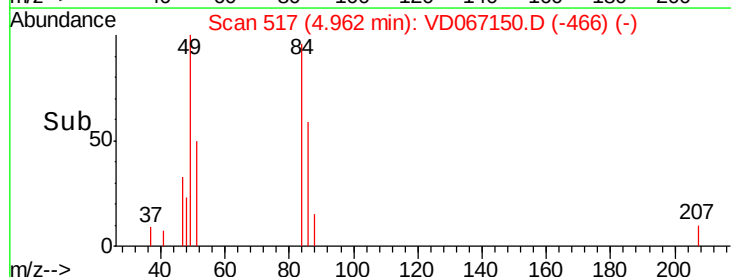
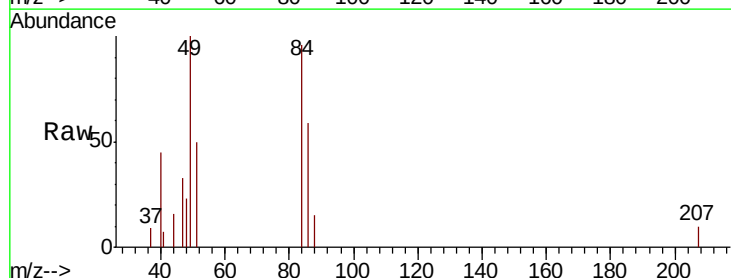
Ion Ratio Lower Upper

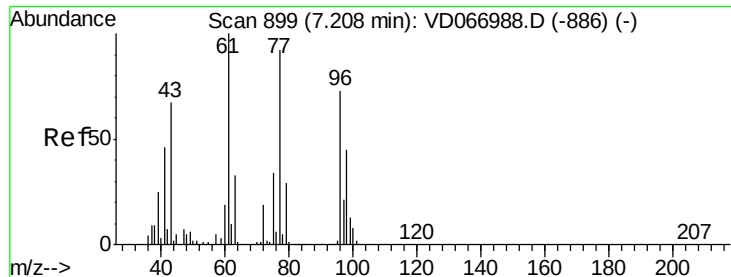
84 100

49 103.9 88.2 132.2

51 52.2 26.6 39.8#

86 61.8 52.1 78.1

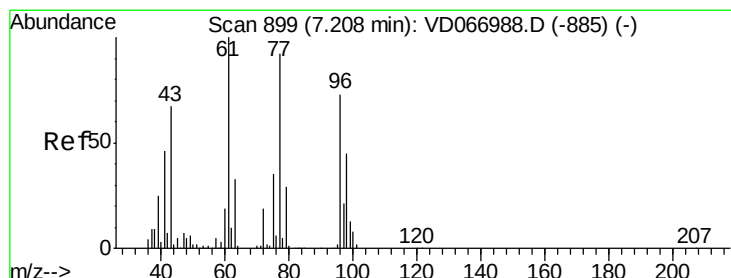
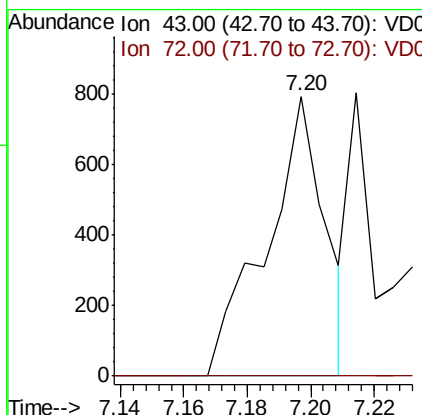
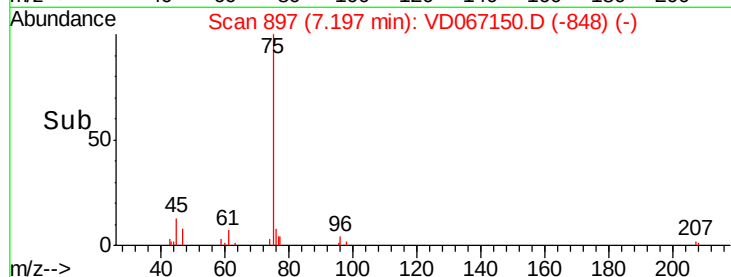
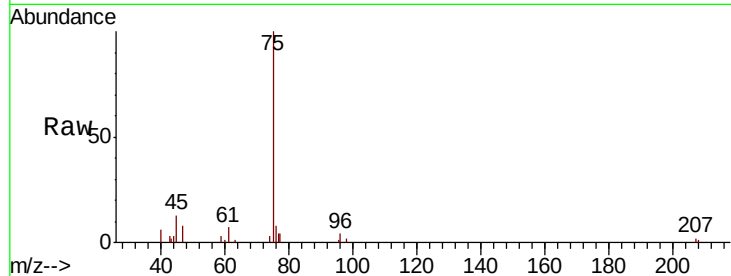




#25
2-Butanone
Concen: 1.244 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067150.D
Acq: 07 Oct 2020 14:11

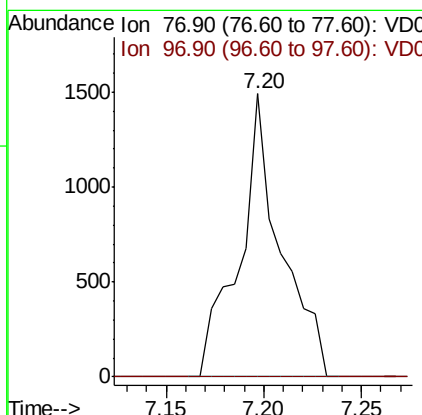
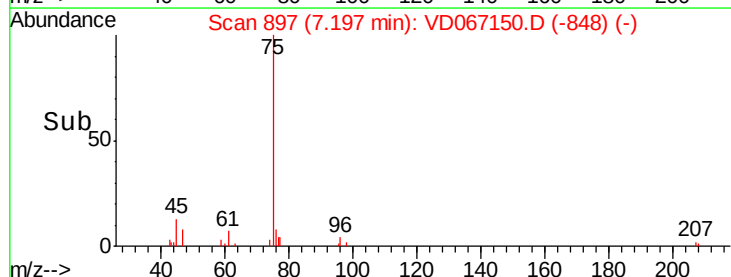
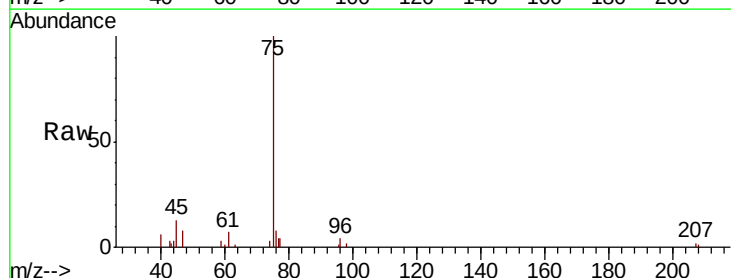
Instrument :
MSVOA_D
ClientSampled :
SB-7

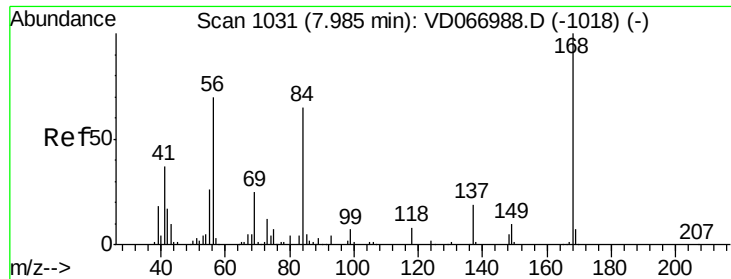
Tot Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067150.D
Acq: 07 Oct 2020 14:11

Tgt Ion: 77 Resp: 2197
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

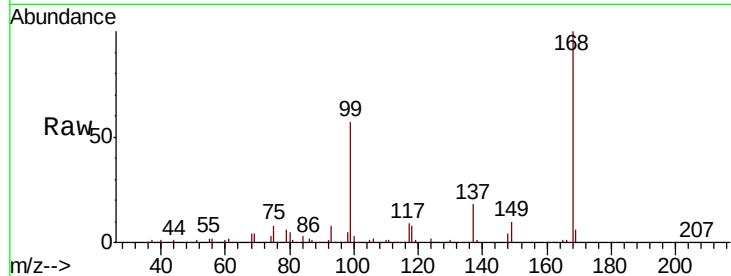




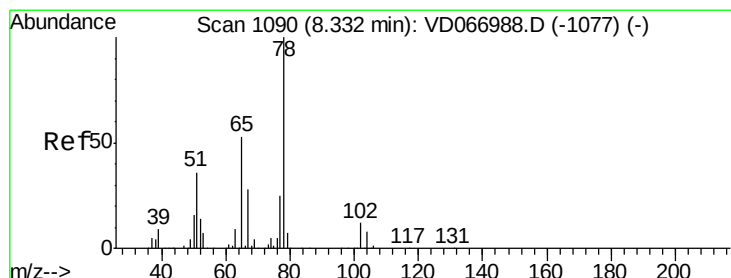
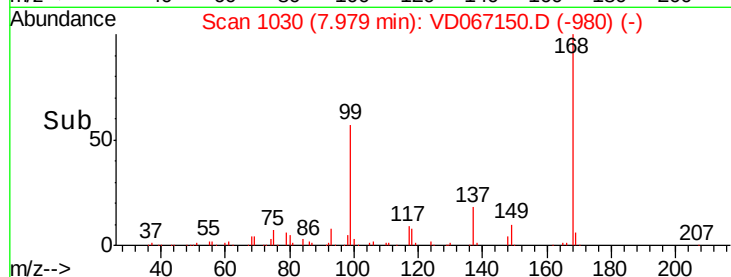
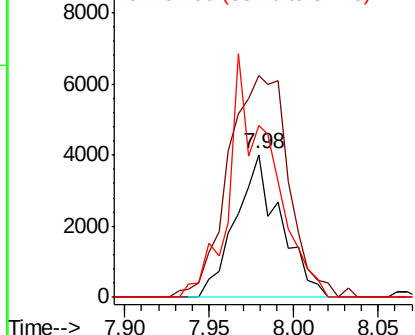
#31
Cyclohexane
Concen: 1.314 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067150.D
Acq: 07 Oct 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
SB-7

Tot Ion: 56 Resp: 7459
Ion Ratio Lower Upper
56 100
69 155.5 29.0 43.6#
84 120.3 74.2 111.2#

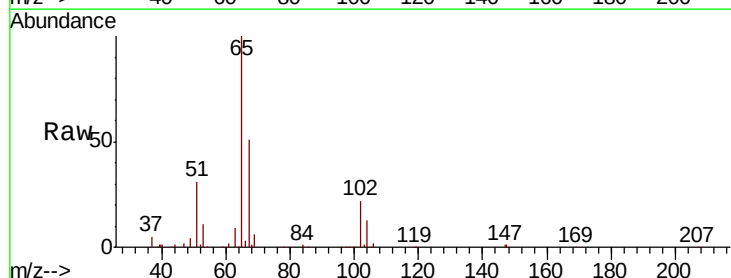


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

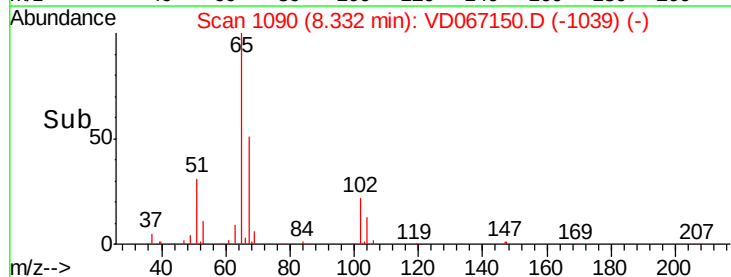
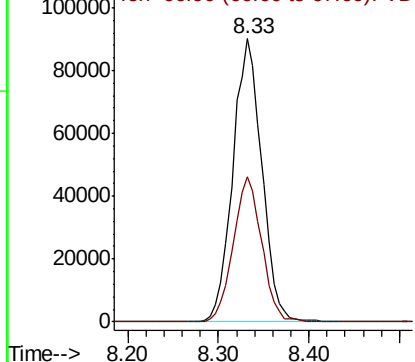


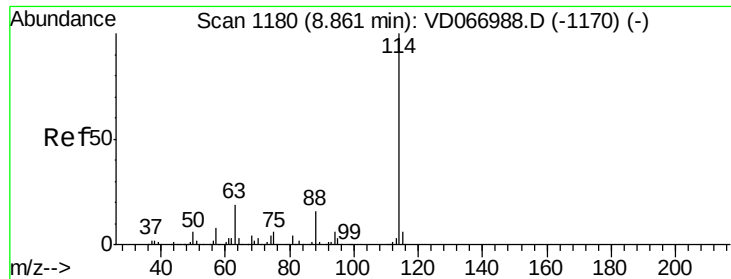
#33
1,2-Dichloroethane-d4
Concen: 52.936 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067150.D
Acq: 07 Oct 2020 14:11

Tgt Ion: 65 Resp: 200136
Ion Ratio Lower Upper
65 100
67 50.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

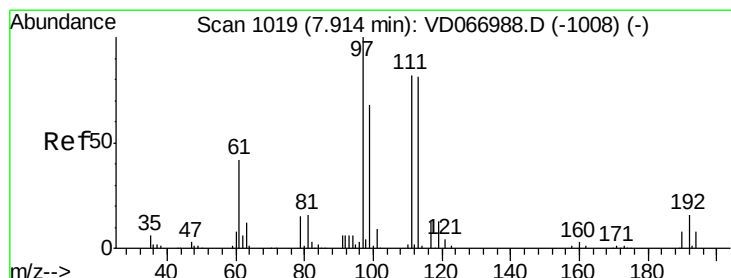
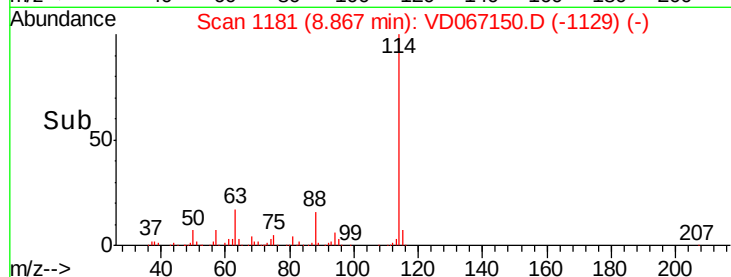
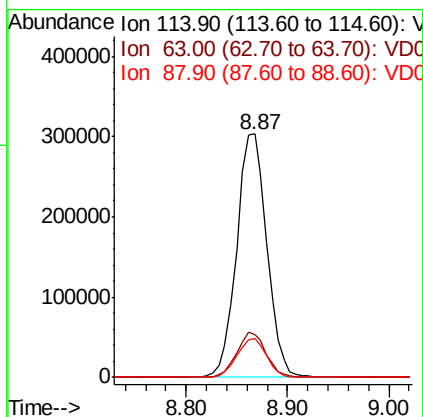
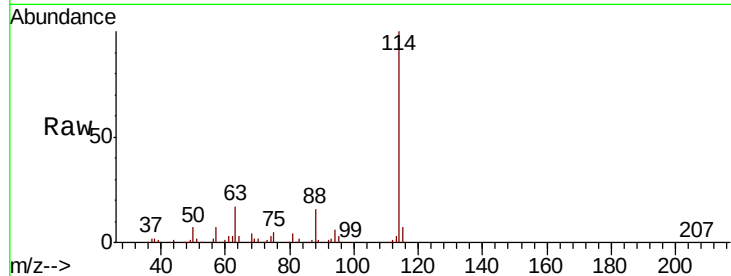




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067150.D
 Acq: 07 Oct 2020 14:11

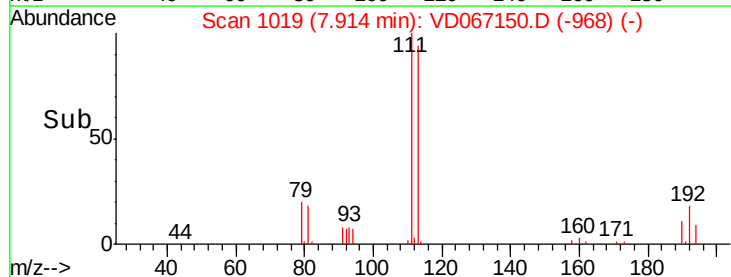
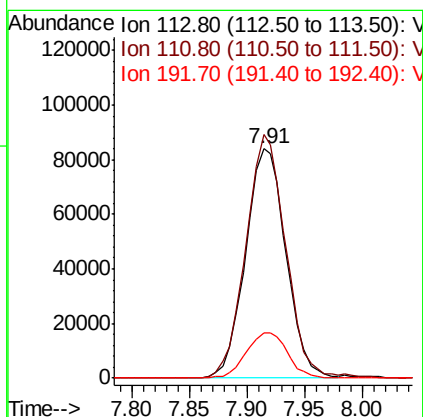
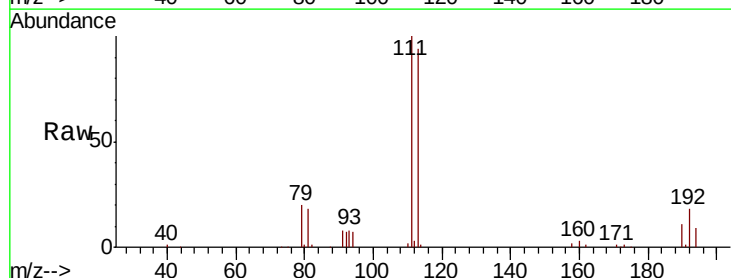
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7

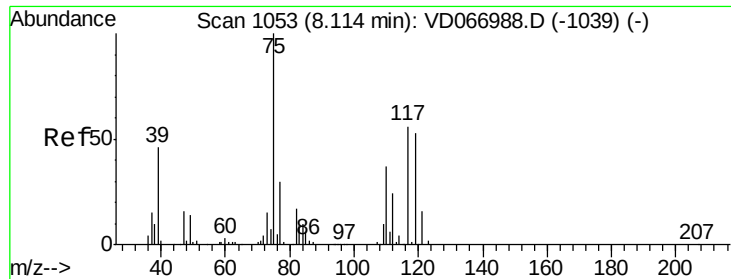
Tot Ion:114 Resp: 628148
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 38.4
 88 15.7 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 49.770 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067150.D
 Acq: 07 Oct 2020 14:11

Tgt Ion:113 Resp: 204673
 Ion Ratio Lower Upper
 113 100
 111 104.9 83.0 124.4
 192 20.1 15.5 23.3

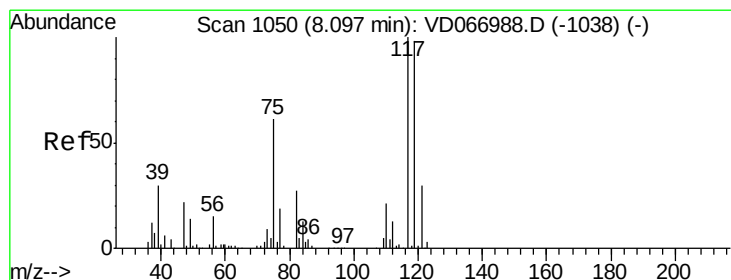
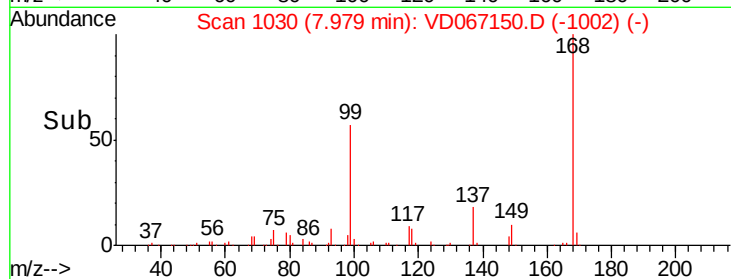
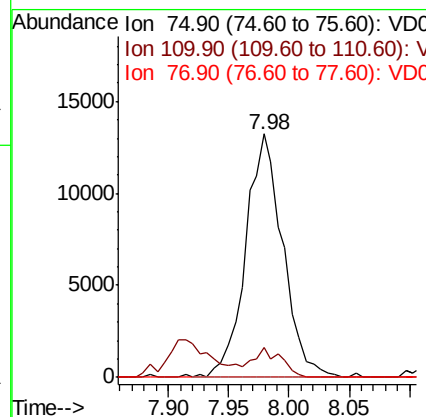
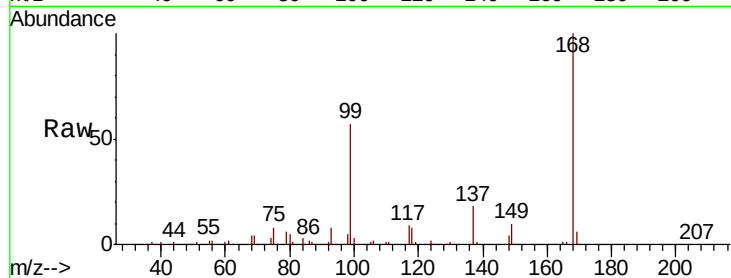




#36
 1,1-Dichloropropene
 Concen: 4.851 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067150.D
 Acq: 07 Oct 2020 14:11

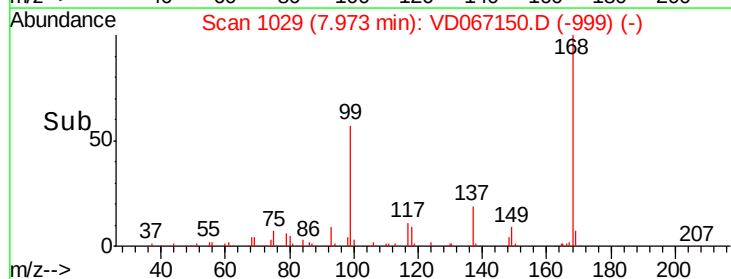
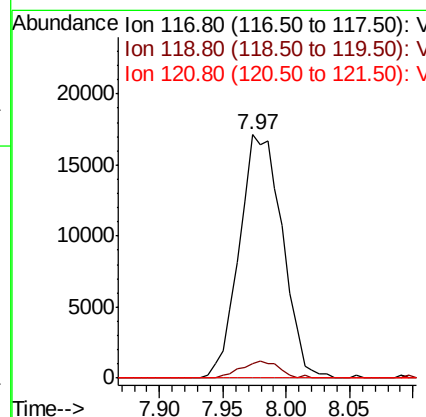
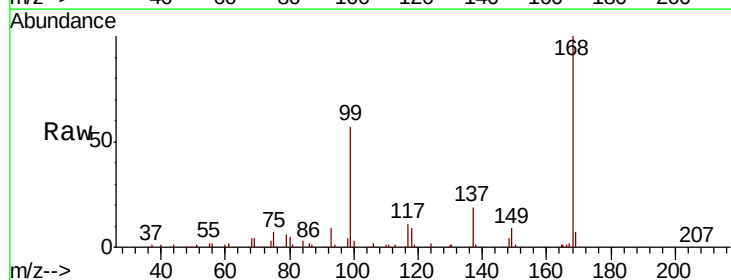
Instrument :
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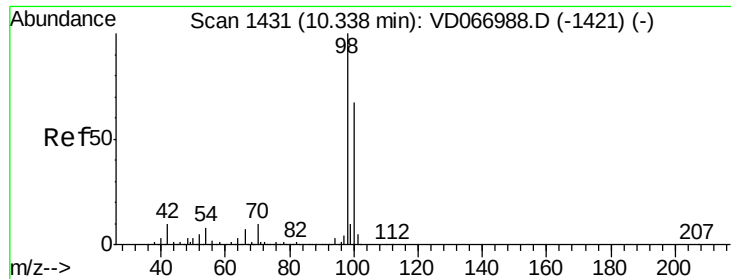
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.4	55.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.371 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD067150.D
 Acq: 07 Oct 2020 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.7	118.1#
121	0.0	24.2	36.2#

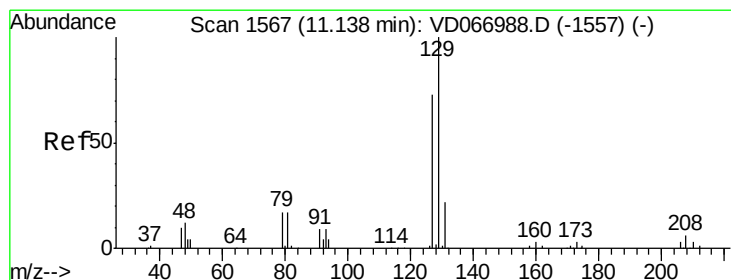
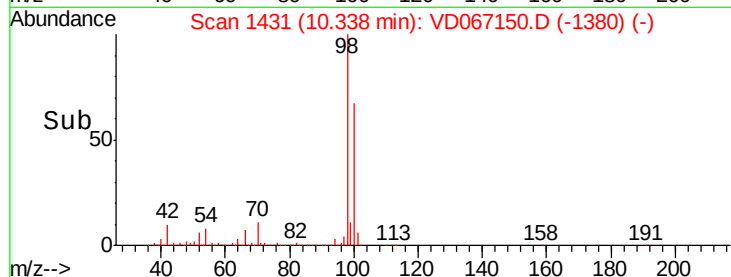
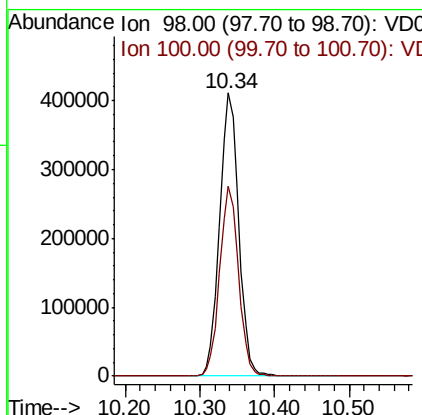
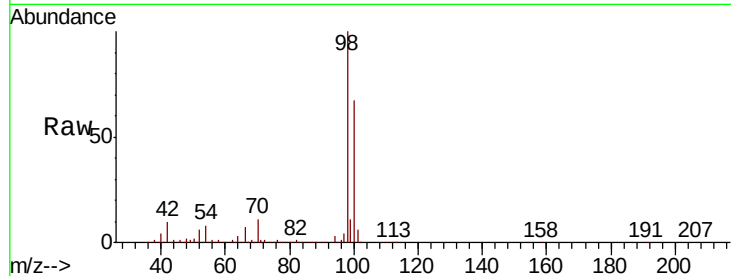




#50
Toluene-d8
Concen: 48.959 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067150.D
Acq: 07 Oct 2020 14:11

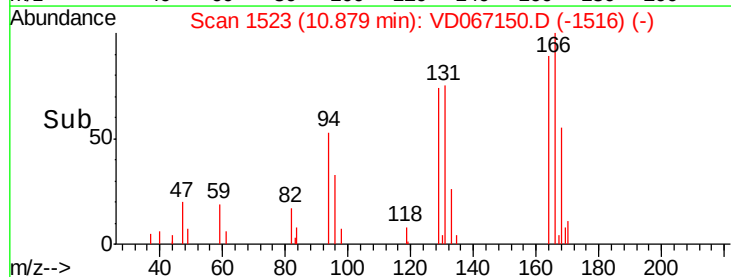
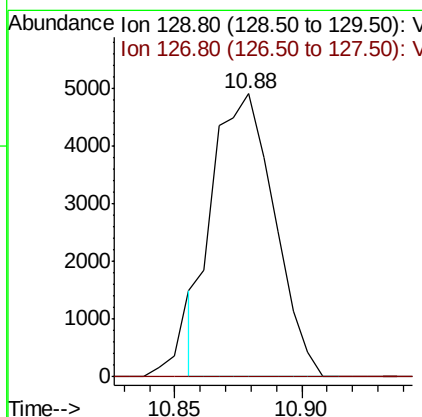
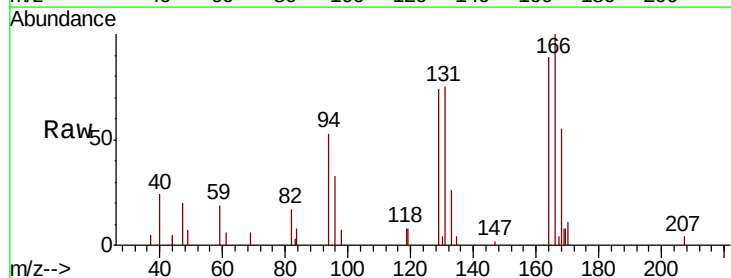
Instrument :
MSVOA_D
ClientSampleId :
SB-7

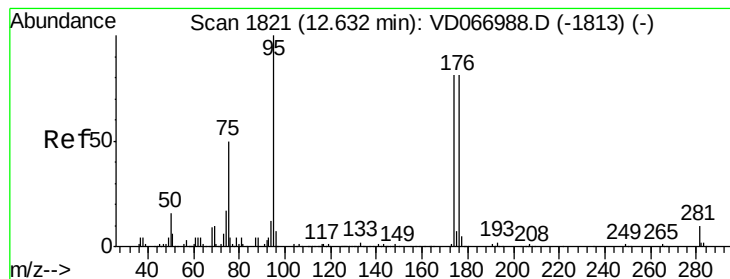
Tot Ion: 98 Resp: 733643
Ion Ratio Lower Upper
98 100
100 66.5 52.8 79.2



#60
Dibromochloromethane
Concen: 2.038 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.26 min
Lab File: VD067150.D
Acq: 07 Oct 2020 14:11

Tgt Ion: 129 Resp: 8295
Ion Ratio Lower Upper
129 100
127 0.0 37.4 112.1#





#62

4-Bromofluorobenzene

Concen: 46.971 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067150.D

Acq: 07 Oct 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

SB-7

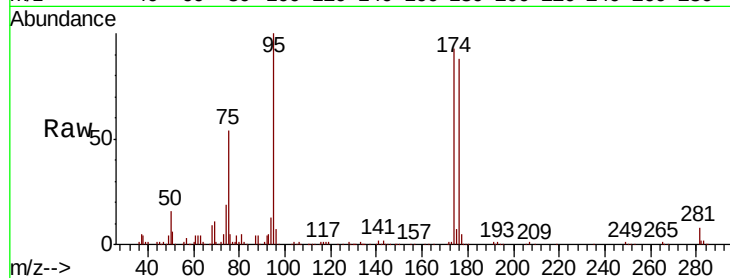
Tot Ion: 95 Resp: 238943

Ion Ratio Lower Upper

95 100

174 86.6 0.0 167.6

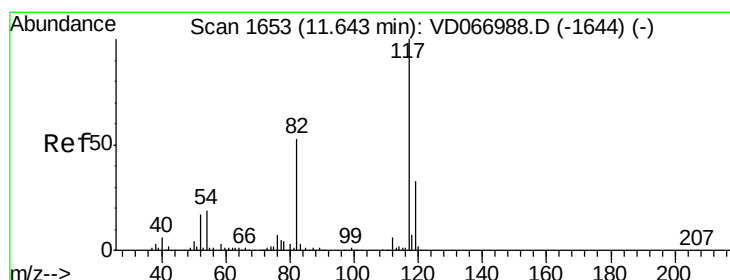
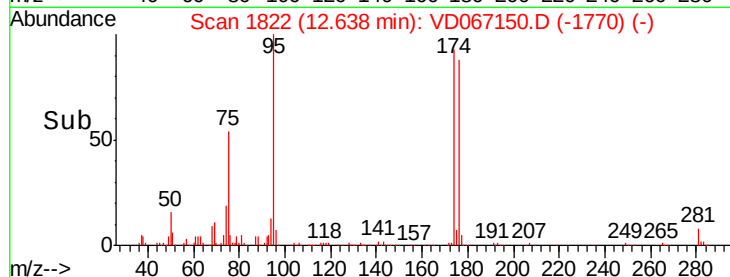
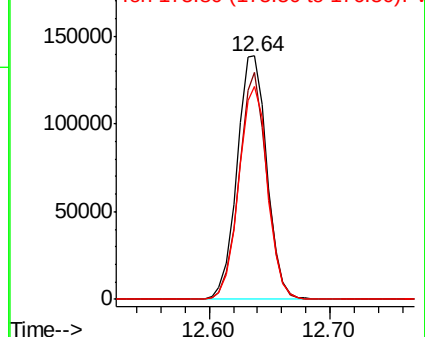
176 84.2 0.0 162.4



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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067150.D

Acq: 07 Oct 2020 14:11

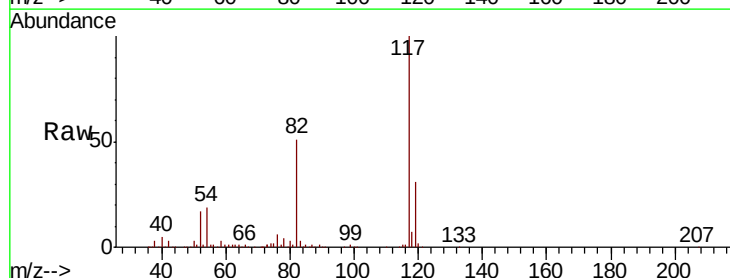
Tgt Ion: 117 Resp: 583863

Ion Ratio Lower Upper

117 100

82 51.5 42.6 63.8

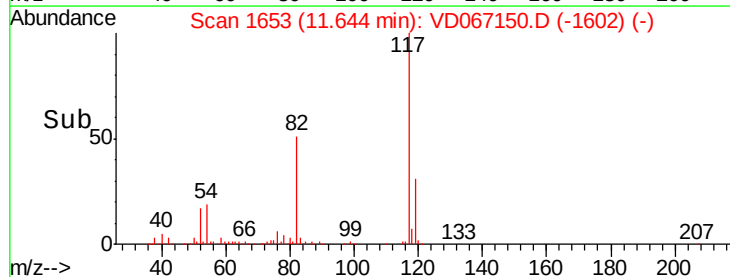
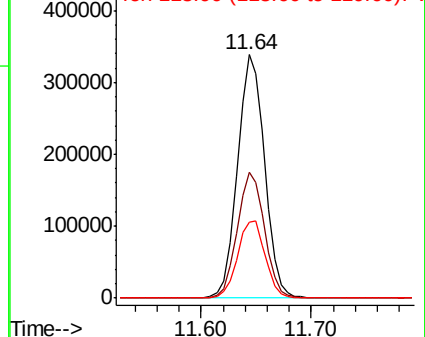
119 31.3 26.3 39.5

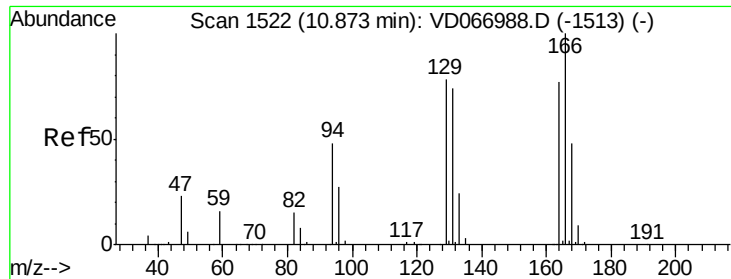


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

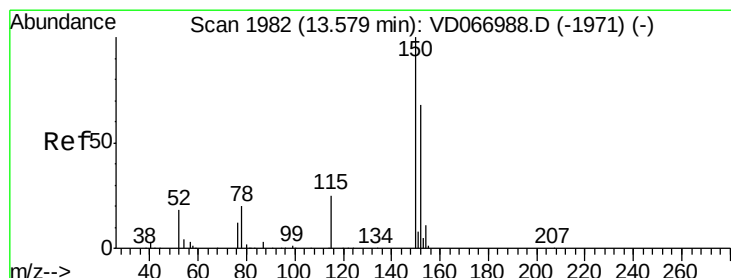
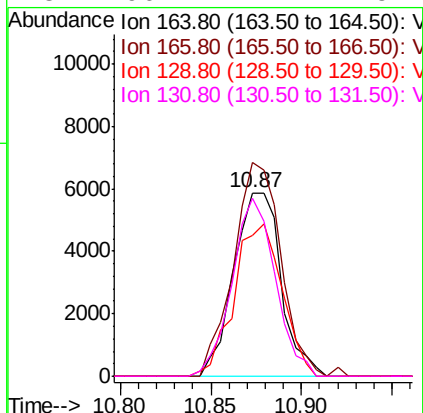
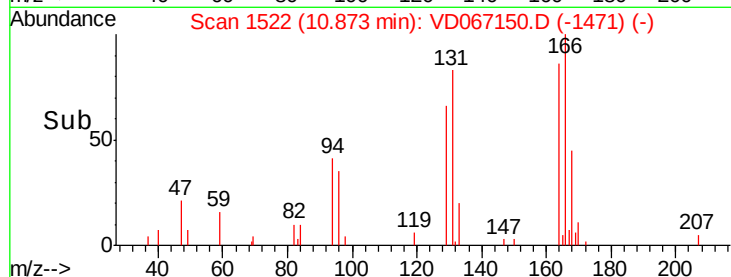
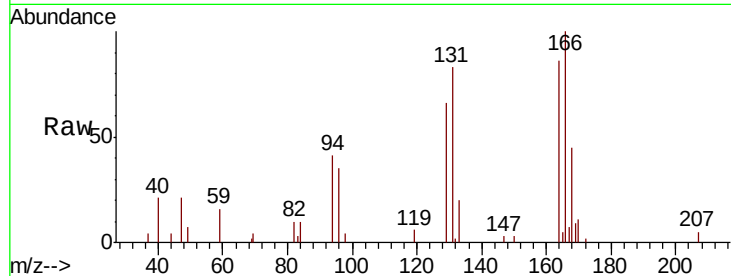




#64
Tetrachloroethene
Concen: 2.521 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067150.D
Acq: 07 Oct 2020 14:11

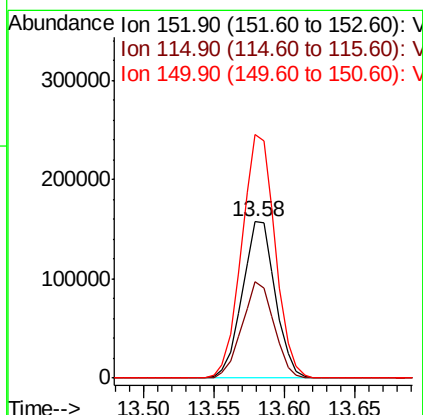
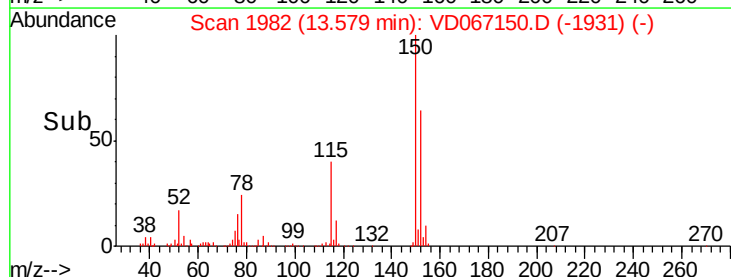
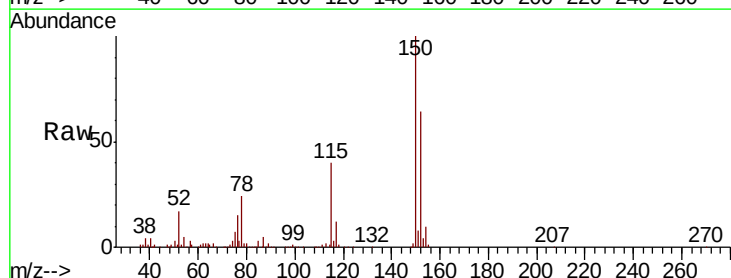
Instrument :
MSVOA_D
ClientSampleId :
SB-7

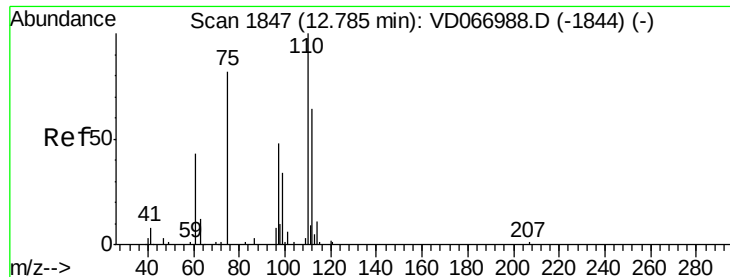
Tot Ion	Ratio	Lower	Upper
164	100		
166	116.3	104.4	156.6
129	76.4	81.3	121.9
131	96.7	77.1	115.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067150.D
Acq: 07 Oct 2020 14:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.6	88.8
150	157.5	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 53.402 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067150.D

Acq: 07 Oct 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

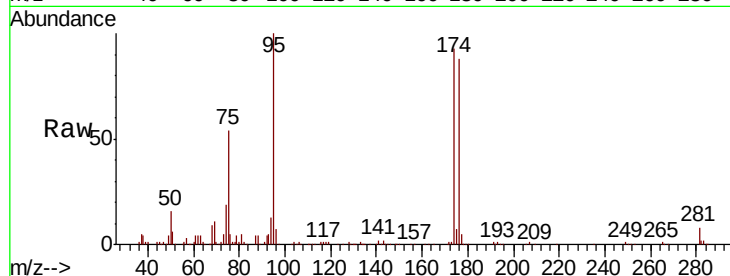
SB-7

Tot Ion: 75 Resp: 120211

Ion Ratio Lower Upper

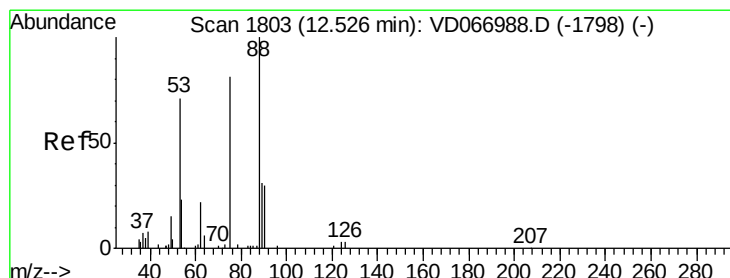
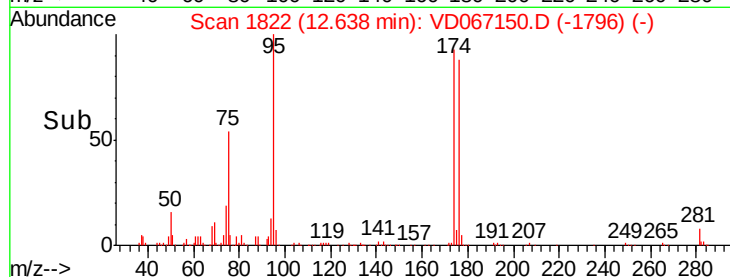
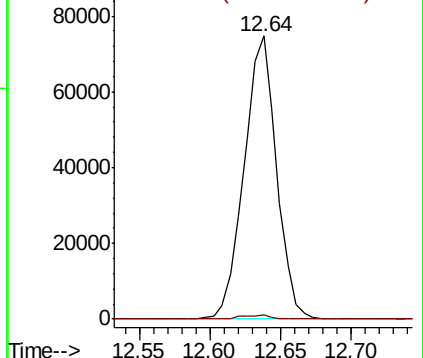
75 100

77 1.2 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: 133.139 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067150.D

Acq: 07 Oct 2020 14:11

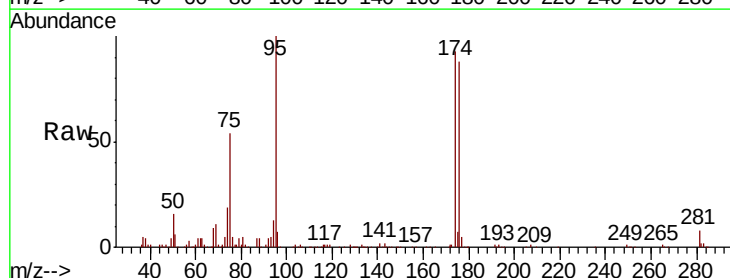
Tgt Ion: 75 Resp: 120211

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.2 38.9 58.3#



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

