

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067112.D
 Acq On : 06 Oct 2020 17:12
 Operator : VA/SY
 Sample : L4272-39
 Misc : 7.56G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-6-(6.5)

Quant Time: Oct 07 01:12:04 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	395662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	678458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	620794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285995	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	200019	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	7.91	113	216215	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	10.34	98	785098	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.64	95	253539	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

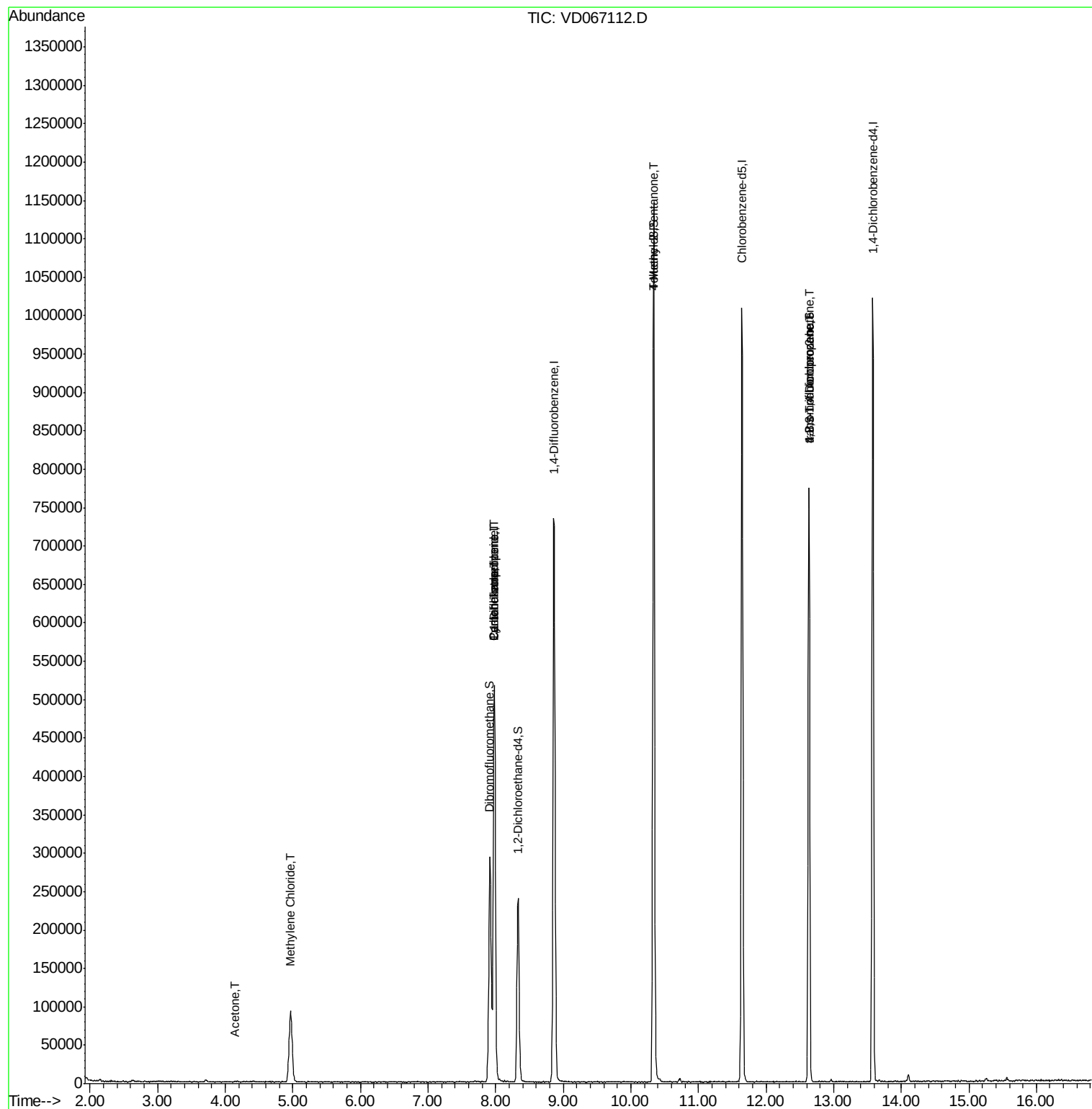
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	57	Below Cal	#	40
5) Bromomethane	2.78	94	55	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	77	Below Cal	#	72
16) Acetone	4.16	43	1003	1.724	ug/l #	73
20) Methylene Chloride	4.96	84	79689	14.077	ug/l	96
31) Cyclohexane	7.98	56	8102	1.416	ug/l #	16
36) 1,1-Dichloropropene	7.98	75	29417	4.652	ug/l #	51
38) Carbon Tetrachloride	7.98	117	41313	6.038	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2543	1.265	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	128336	51.518	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	128336	128.440	ug/l #	12

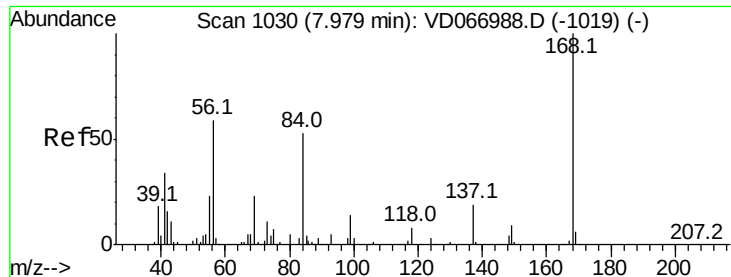
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067112.D

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Instrument :

MSVOA_D

ClientSampleId :

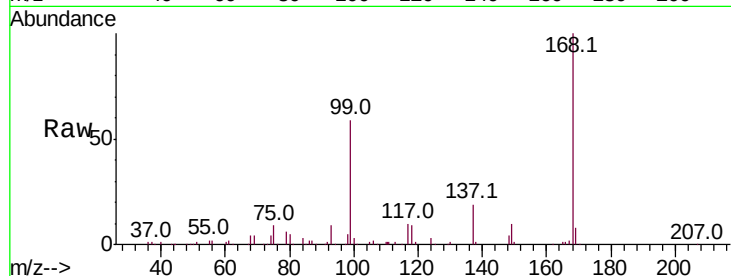
SC-6-(6.5)

Tot Ion:168 Resp: 395662

Ion Ratio Lower Upper

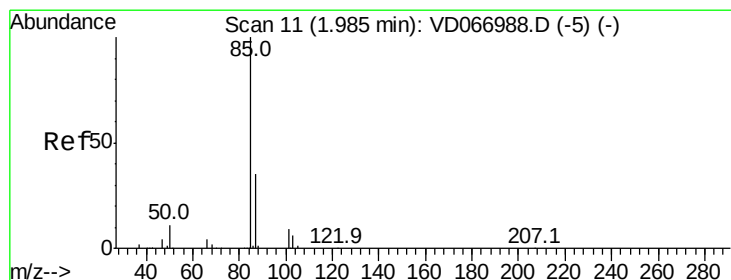
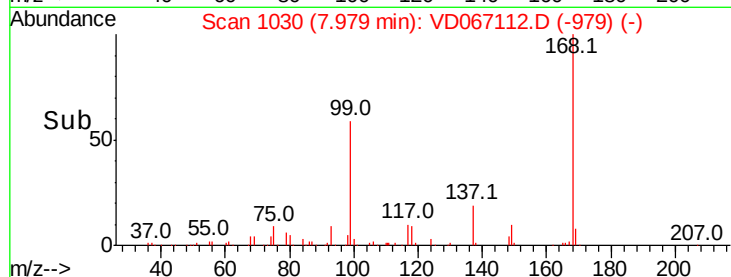
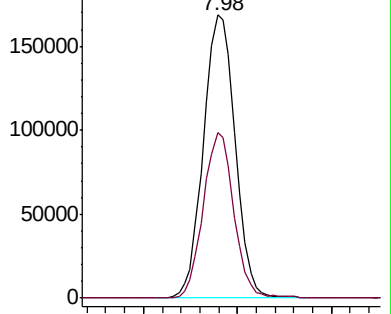
168 100

99 58.6 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# 12

Delta R.T. 0.01 min

Lab File: VD067112.D

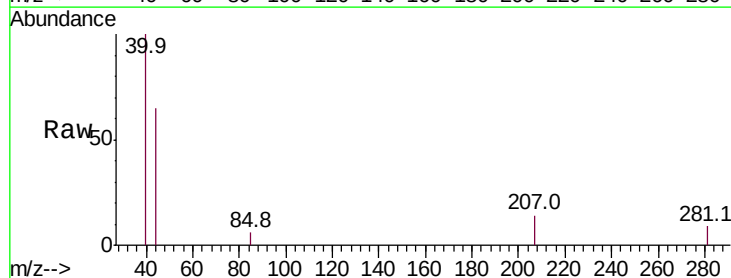
Acq: 06 Oct 2020 17:12

Tgt Ion: 85 Resp: 57

Ion Ratio Lower Upper

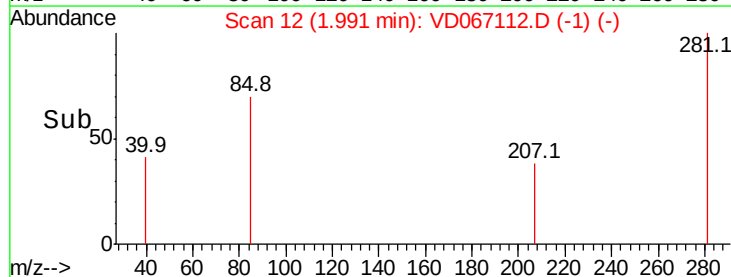
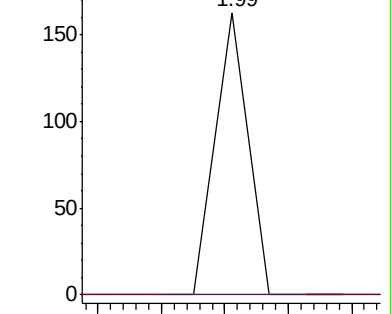
85 100

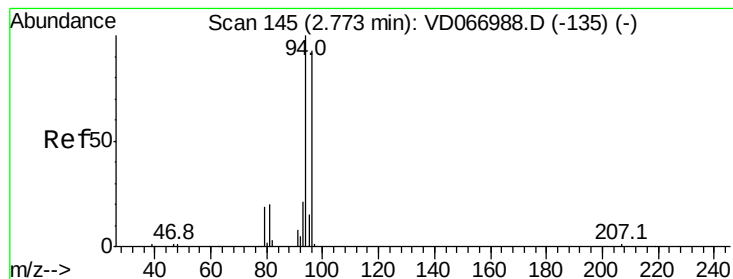
87 0.0 17.3 52.0#



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: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067112.D

Acq: 06 Oct 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

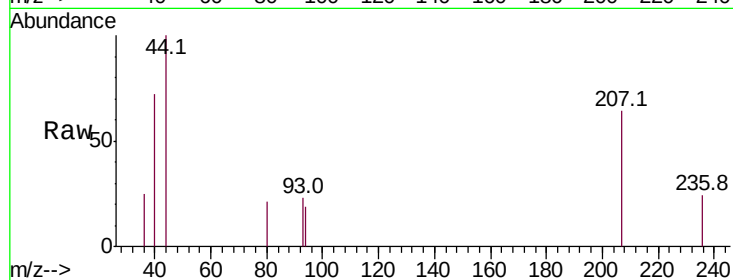
SC-6-(6.5)

Tot Ion: 94 Resp: 55

Ion Ratio Lower Upper

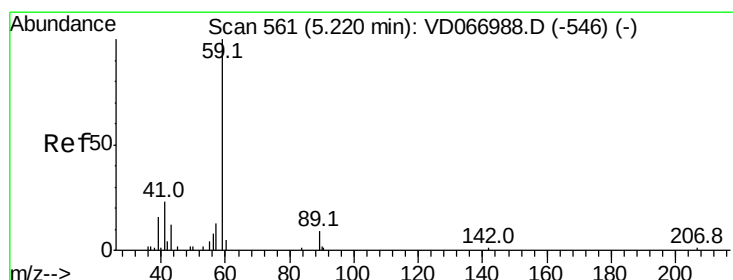
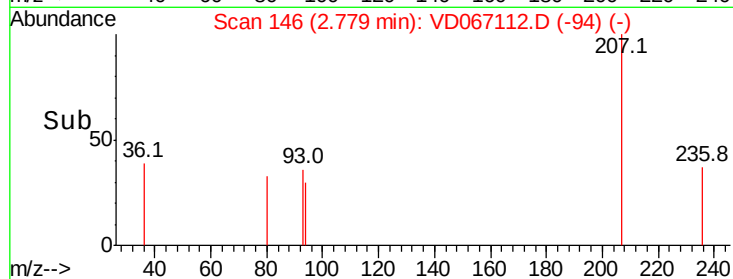
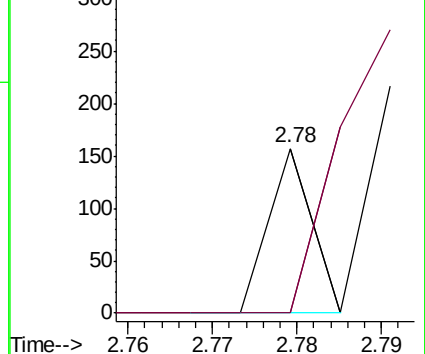
94 100

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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067112.D

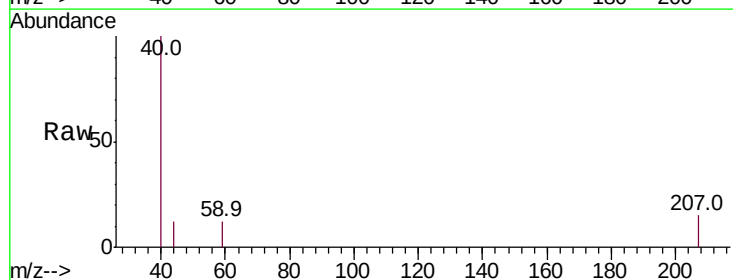
Acq: 06 Oct 2020 17:12

Tgt Ion: 59 Resp: 77

Ion Ratio Lower Upper

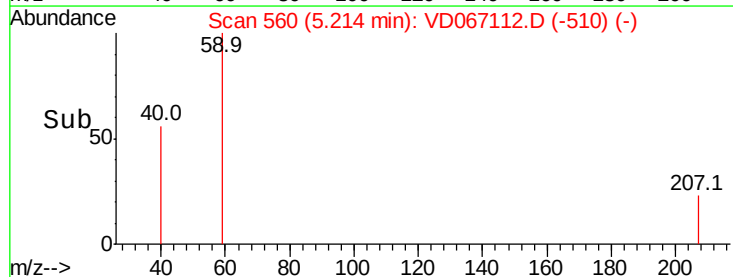
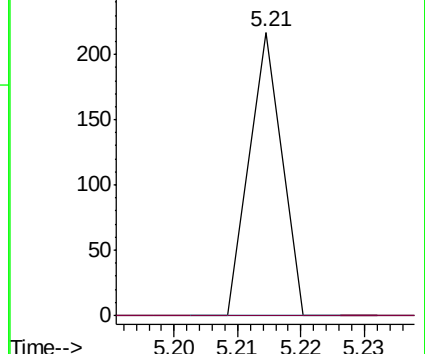
59 100

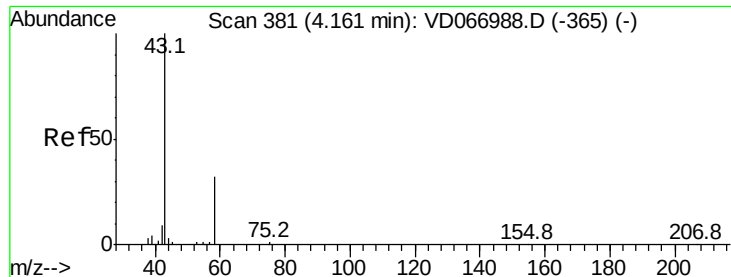
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.724 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067112.D

Acq: 06 Oct 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

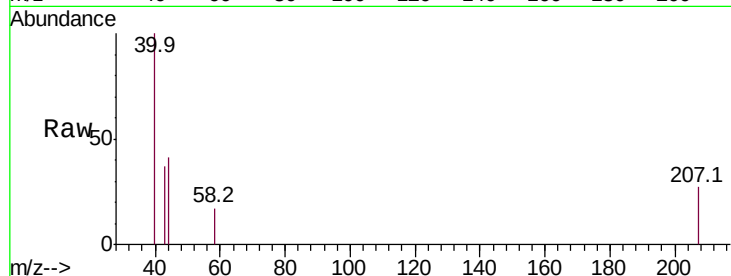
SC-6-(6.5)

Tot Ion: 43 Resp: 1003

Ion Ratio Lower Upper

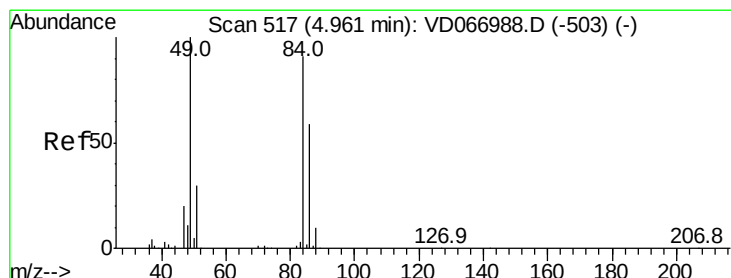
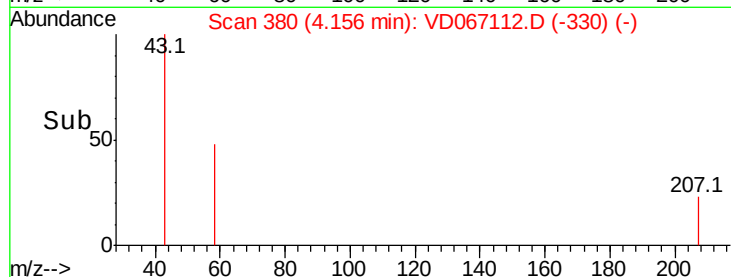
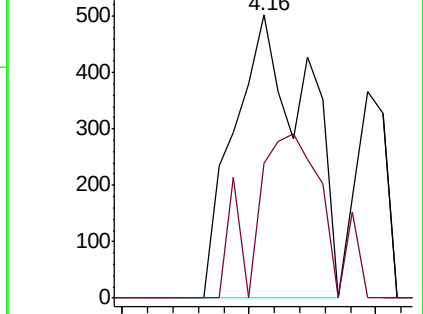
43 100

58 47.6 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 14.077 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067112.D

Acq: 06 Oct 2020 17:12

Tgt Ion: 84 Resp: 79689

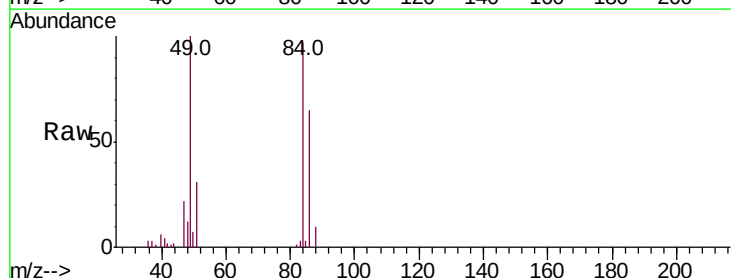
Ion Ratio Lower Upper

84 100

49 103.5 88.2 132.2

51 32.0 26.6 39.8

86 67.0 52.1 78.1

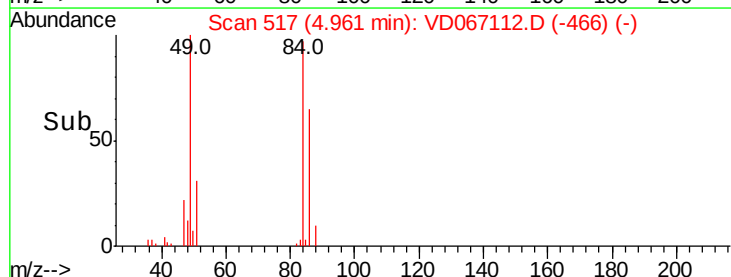
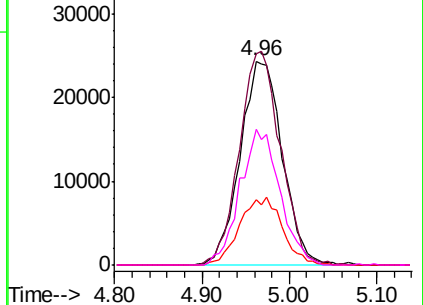


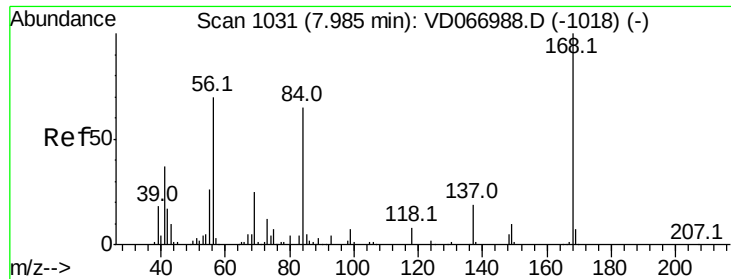
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

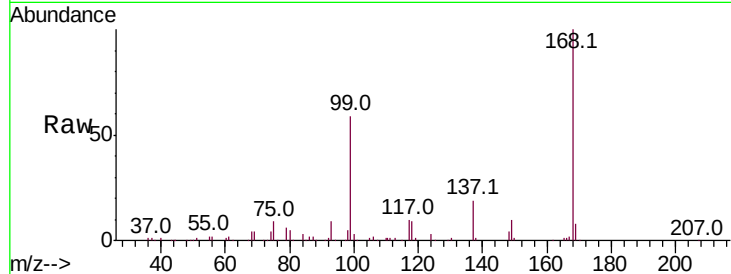




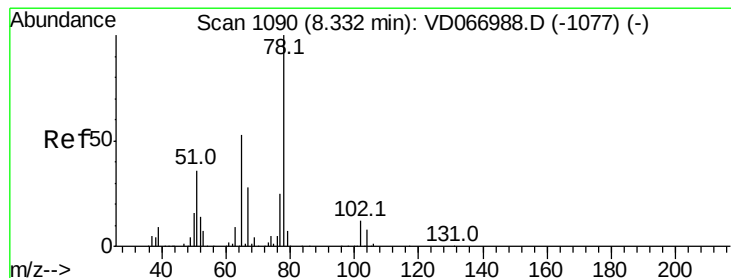
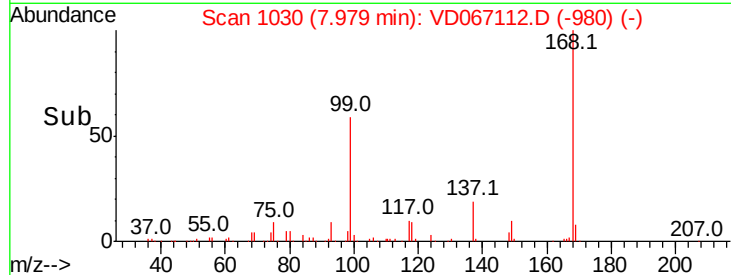
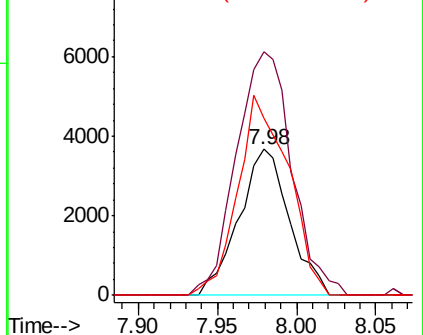
#31
Cyclohexane
Concen: 1.416 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067112.D
Acq: 06 Oct 2020 17:12

Instrument :
MSVOA_D
ClientSampleId :
SC-6-(6.5)

Tot Ion: 56 Resp: 8102
Ion Ratio Lower Upper
56 100
69 166.7 29.0 43.6#
84 121.7 74.2 111.2#

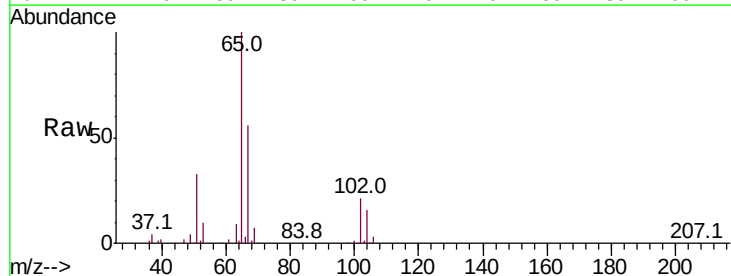


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

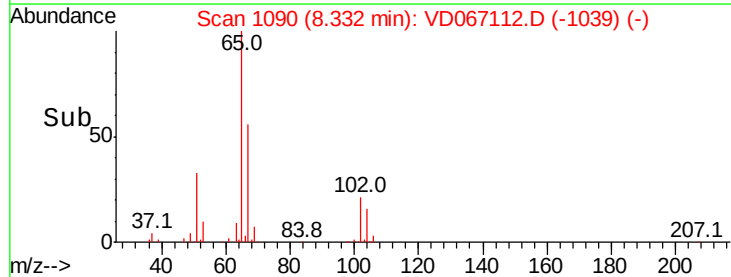
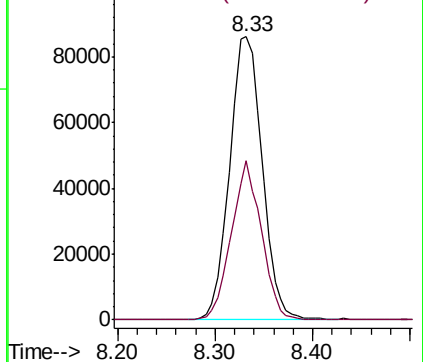


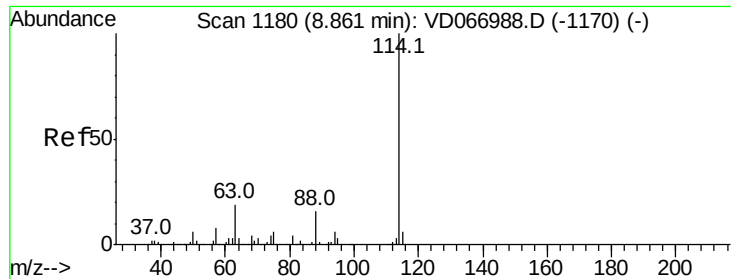
#33
1,2-Dichloroethane-d4
Concen: 52.485 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067112.D
Acq: 06 Oct 2020 17:12

Tgt Ion: 65 Resp: 200019
Ion Ratio Lower Upper
65 100
67 51.6 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: VD067112.D

Acq: 06 Oct 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

SC-6-(6.5)

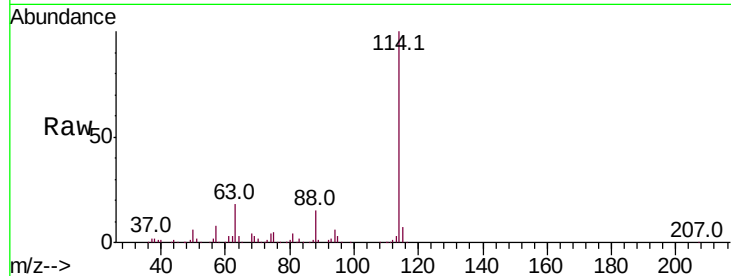
Tot Ion:114 Resp: 678458

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

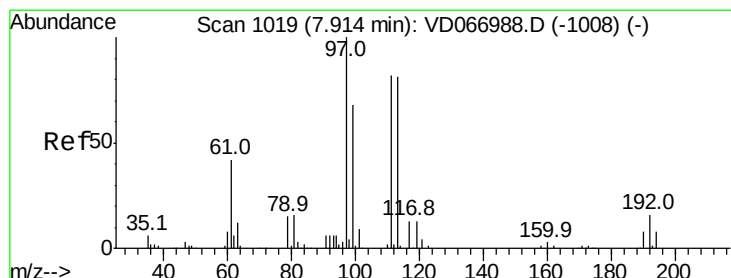
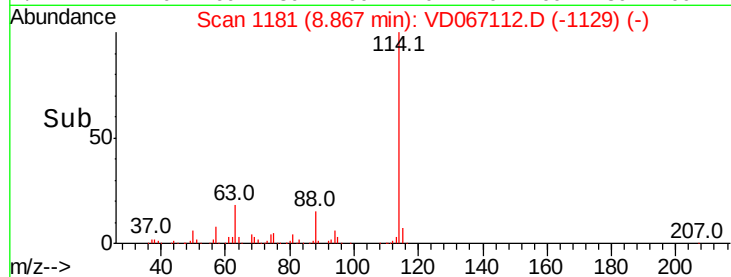
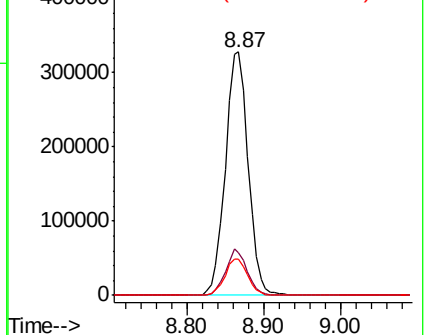
88 14.7 0.0 31.2



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



#35

Dibromofluoromethane

Concen: 48.678 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067112.D

Acq: 06 Oct 2020 17:12

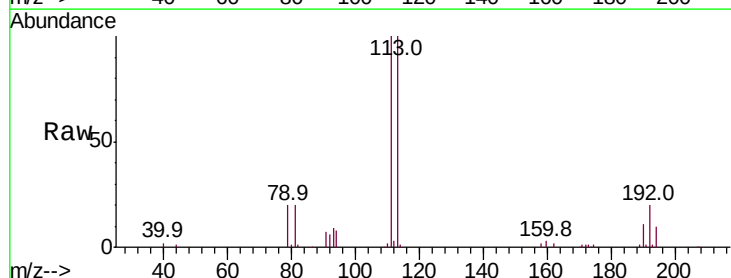
Tgt Ion:113 Resp: 216215

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.4

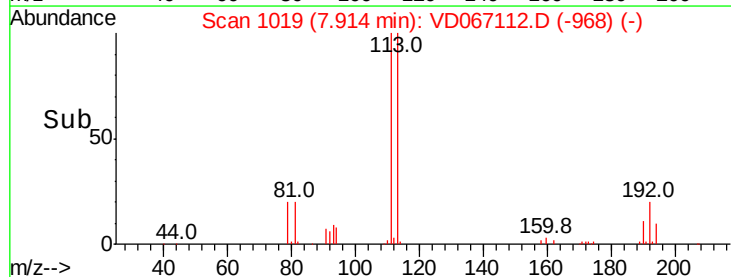
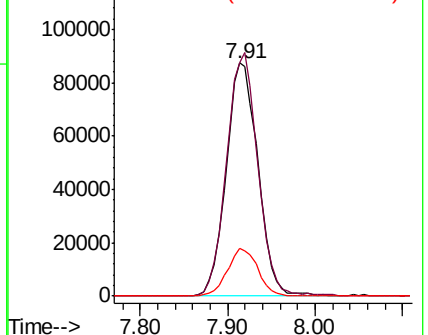
192 19.5 15.5 23.3

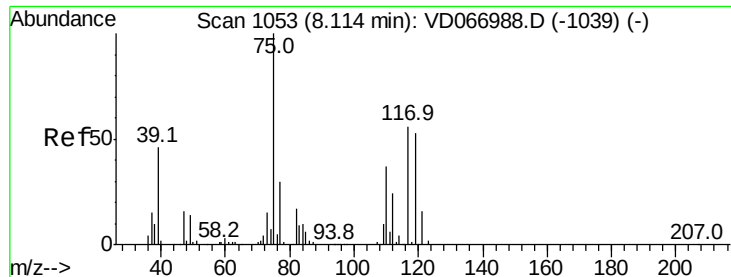


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.652 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067112.D

Acq: 06 Oct 2020 17:12

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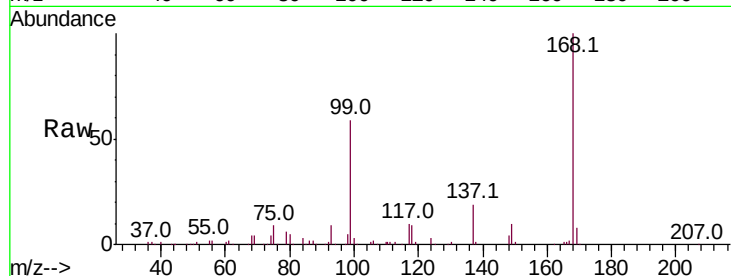
Tot Ion: 75 Resp: 29417

Ion Ratio Lower Upper

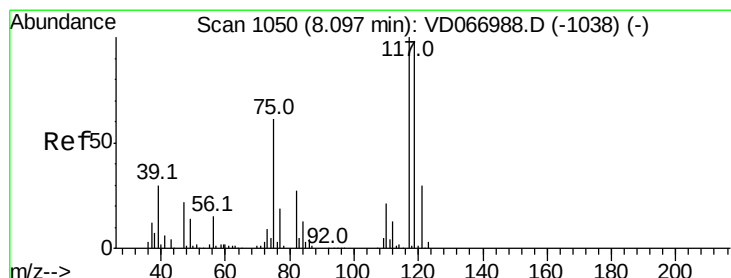
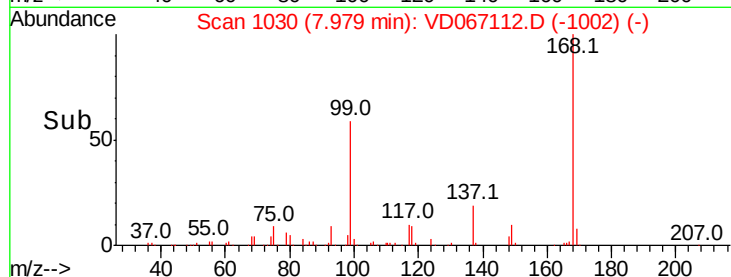
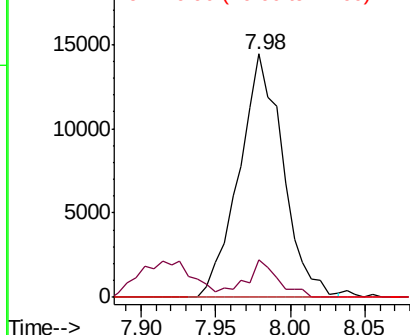
75 100

110 11.5 18.4 55.0#

77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 6.038 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067112.D

Acq: 06 Oct 2020 17:12

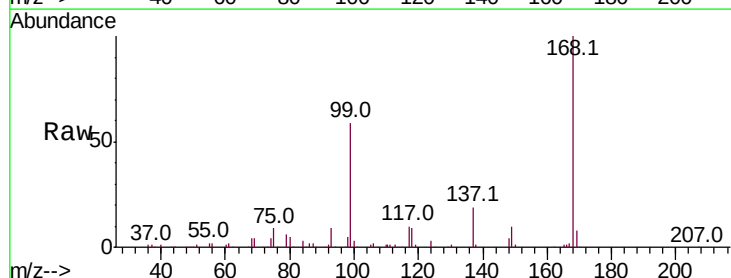
Tgt Ion: 117 Resp: 41313

Ion Ratio Lower Upper

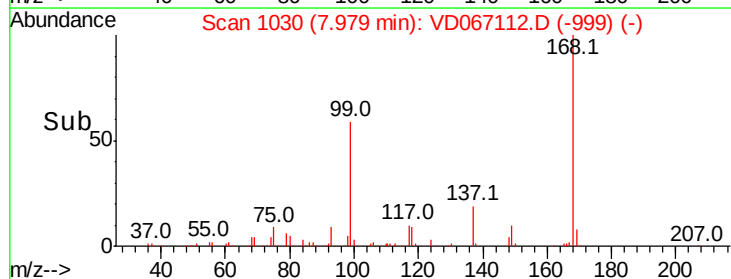
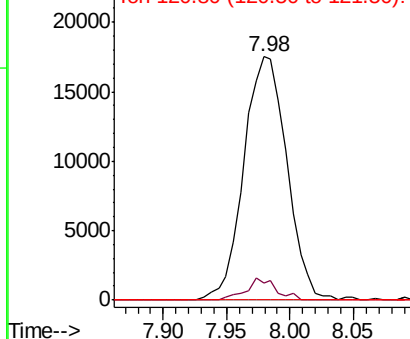
117 100

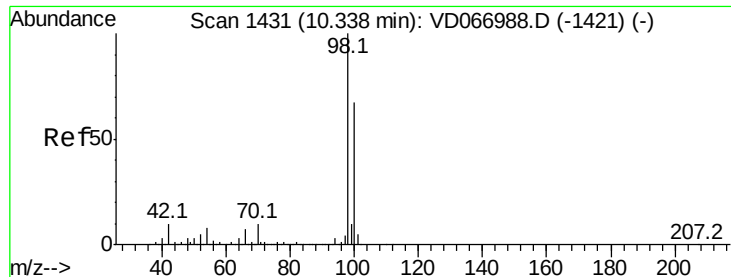
119 7.0 78.7 118.1#

121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): VDC
Ion 118.80 (118.50 to 119.50): VDC
Ion 120.80 (120.50 to 121.50): VDC

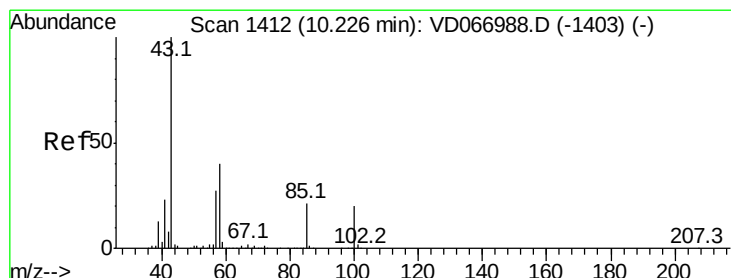
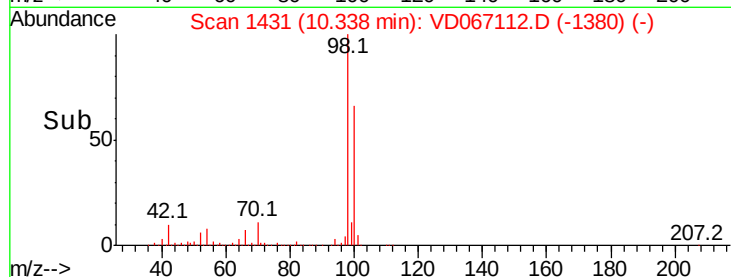
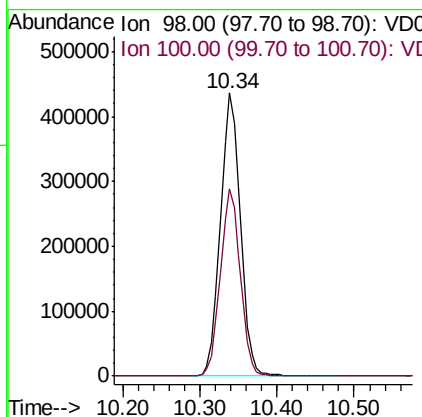
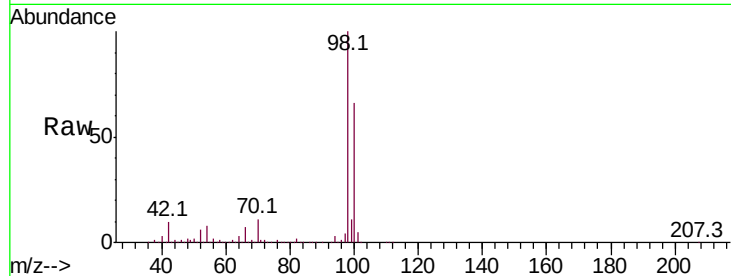




#50
Toluene-d8
Concen: 48.507 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067112.D
Acq: 06 Oct 2020 17:12

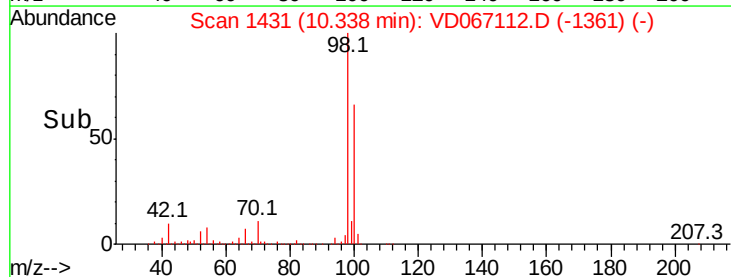
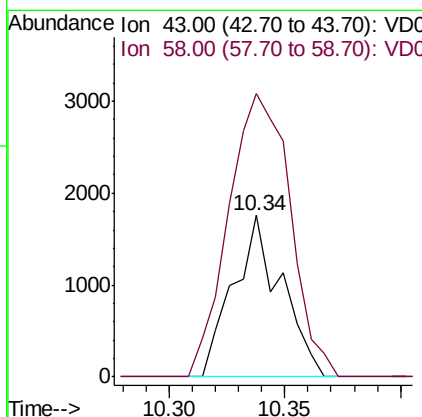
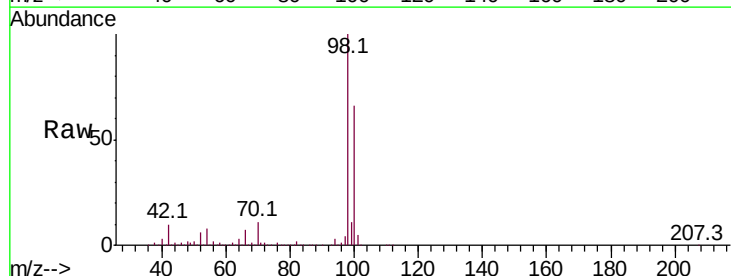
Instrument :
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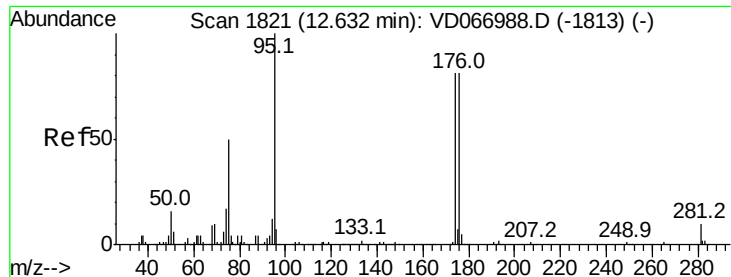
Tot Ion: 98 Resp: 785098
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.265 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067112.D
Acq: 06 Oct 2020 17:12

Tgt Ion: 43 Resp: 2543
Ion Ratio Lower Upper
43 100
58 224.6 33.8 50.8#

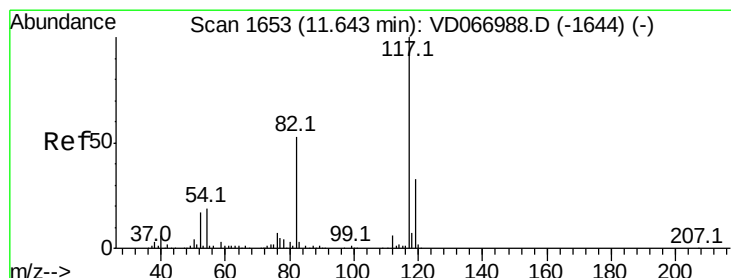
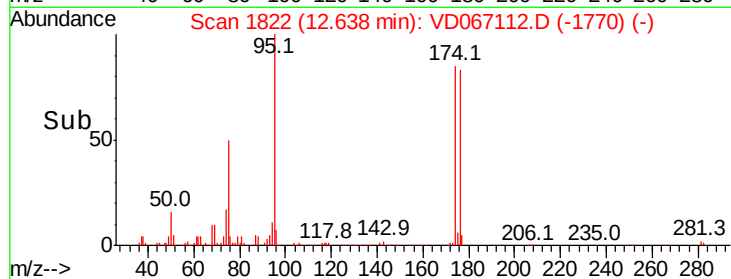
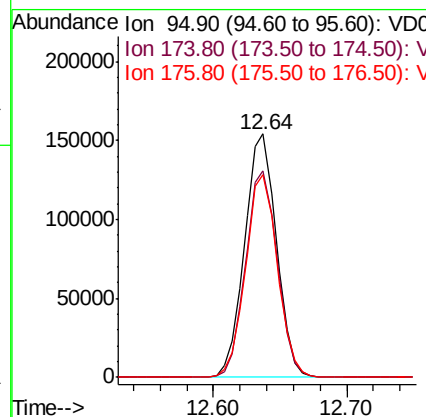
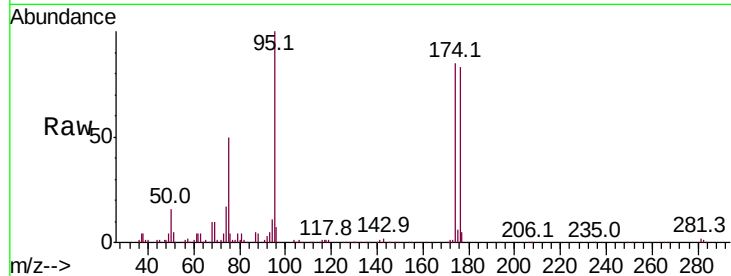




#62
4-Bromofluorobenzene
Concen: 46.144 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067112.D
Acq: 06 Oct 2020 17:12

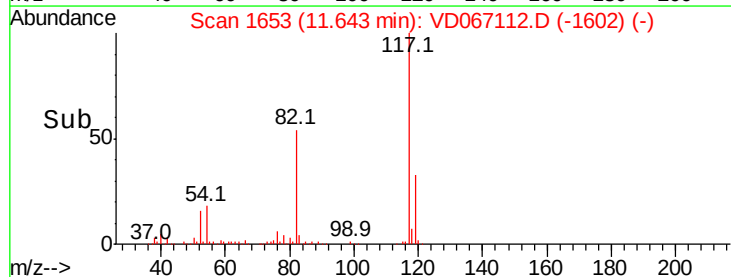
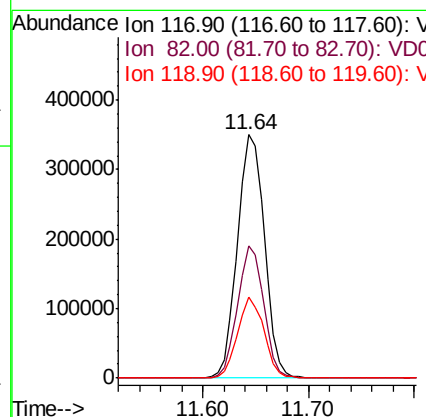
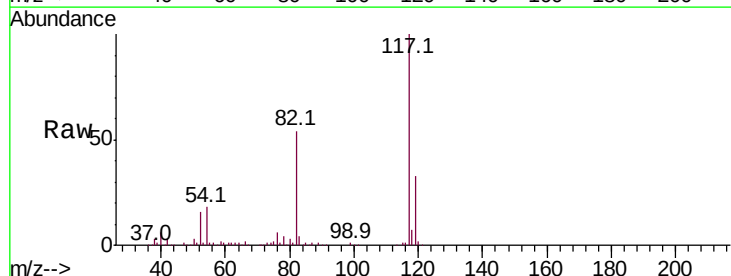
Instrument :
MSVOA_D
ClientSampleId :
SC-6-(6.5)

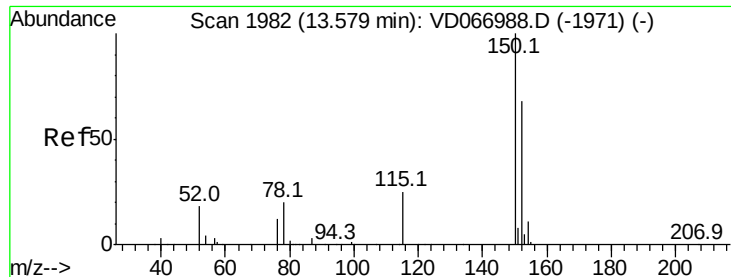
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	167.6
176	83.2	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067112.D
Acq: 06 Oct 2020 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.6	63.8
119	33.1	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067112.D

Acq: 06 Oct 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

SC-6-(6.5)

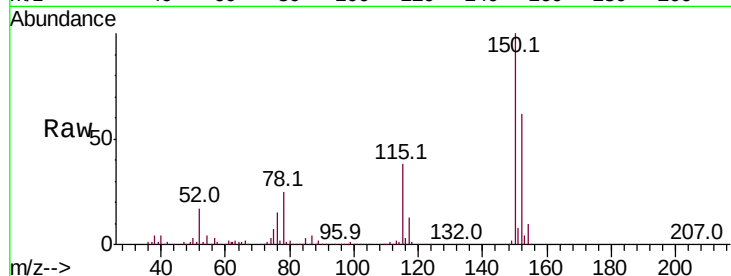
Tot Ion:152 Resp: 285995

Ion Ratio Lower Upper

152 100

115 58.1 29.6 88.8

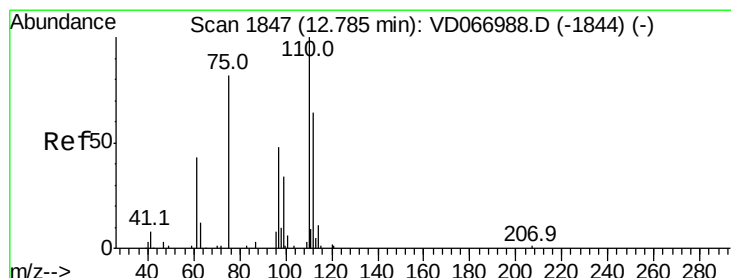
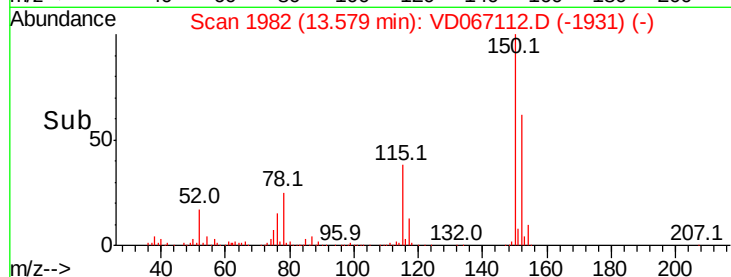
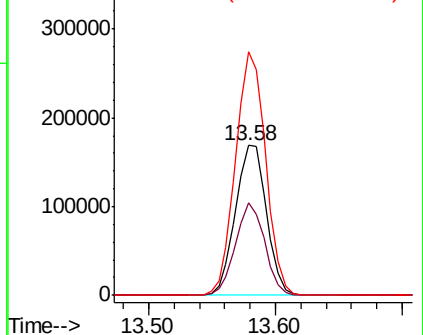
150 157.6 0.0 344.8



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: 51.518 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067112.D

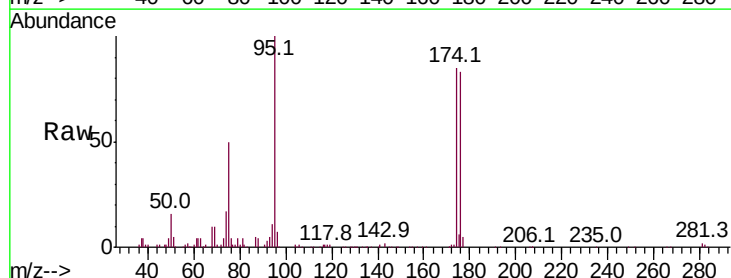
Acq: 06 Oct 2020 17:12

Tgt Ion: 75 Resp: 128336

Ion Ratio Lower Upper

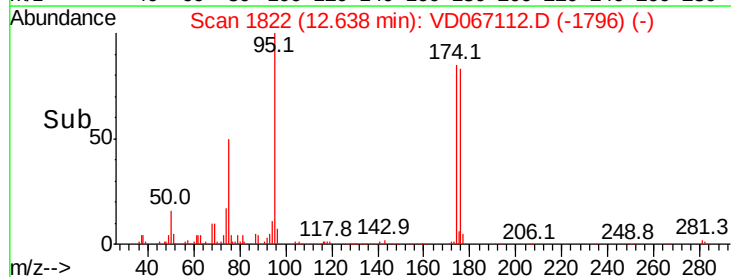
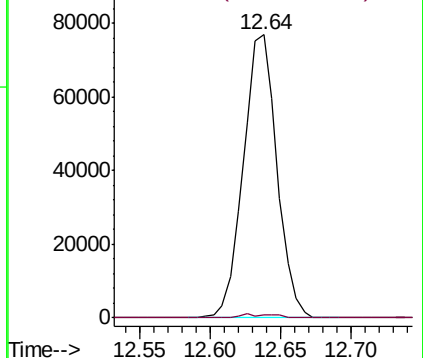
75 100

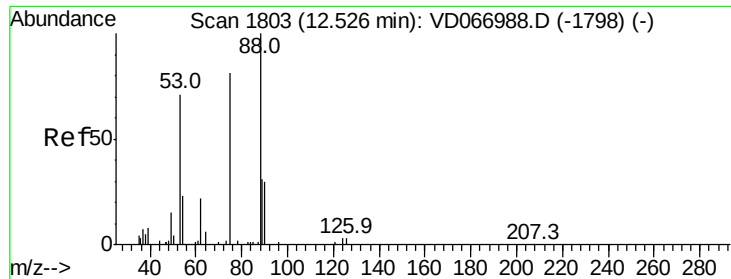
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 128.440 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067112.D

Acq: 06 Oct 2020 17:12

Instrument :

MSVOA_D

ClientSampleId :

SC-6-(6.5)

Tot Ion: 75 Resp: 128336

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#

