

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067124.D
 Acq On : 07 Oct 2020 00:01
 Operator : VA/SY
 Sample : L4272-57
 Misc : 6.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-12-(3.5)

Quant Time: Oct 07 02:08:30 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

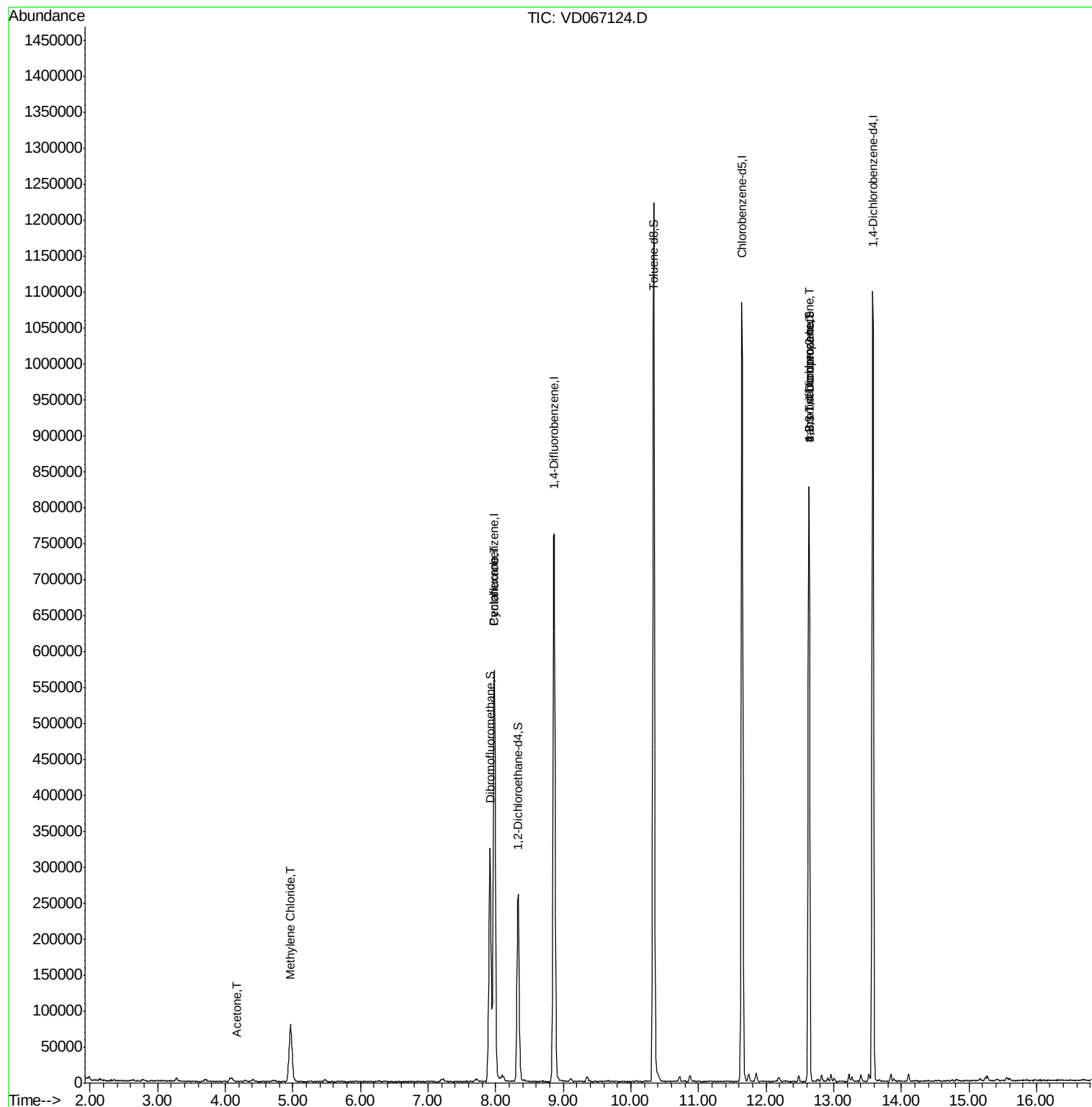
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	439628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	706147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	656670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308333	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	212799	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
35) Dibromofluoromethane	7.92	113	230884	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
50) Toluene-d8	10.34	98	834354	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.63	95	272644	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.36%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	2906	Below Cal		81
5) Bromomethane	2.79	94	1310	Below Cal	#	73
16) Acetone	4.17	43	816	1.262	ug/l #	42
20) Methylene Chloride	4.97	84	64114	7.844	ug/l	95
26) 2,2-Dichloropropane	7.21	77	2472	Below Cal	#	68
31) Cyclohexane	7.98	56	10954	1.723	ug/l #	39
76) 1,2,3-Trichloropropane	12.63	75	136443	50.804	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	136443	126.660	ug/l #	12

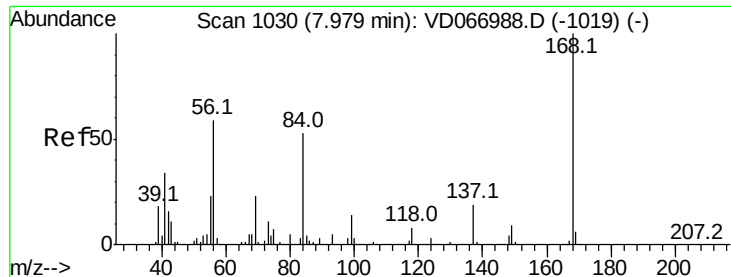
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067124.D

Acq: 07 Oct 2020 00:01

Instrument :

MSVOA_D

ClientSampleId :

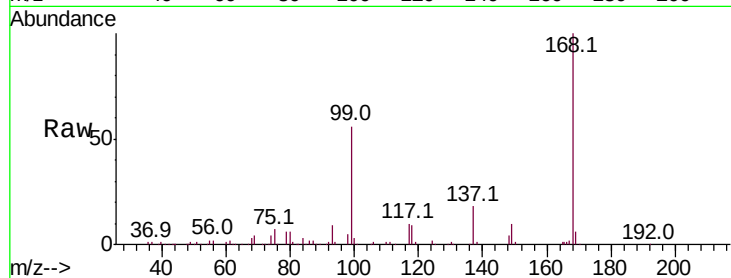
SC-12-(3.5)

Tot Ion:168 Resp: 439628

Ion Ratio Lower Upper

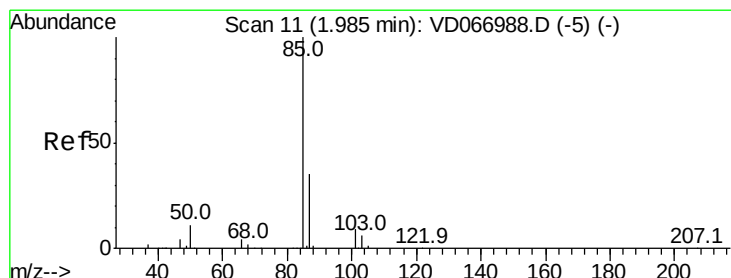
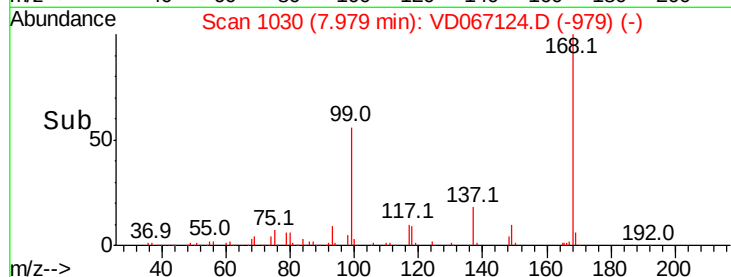
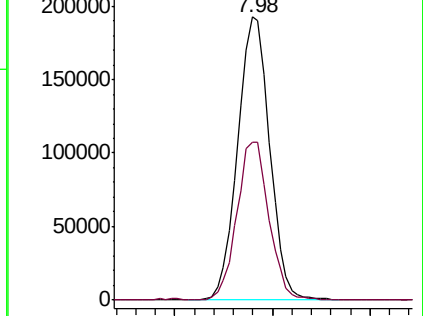
168 100

99 55.7 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: VD067124.D

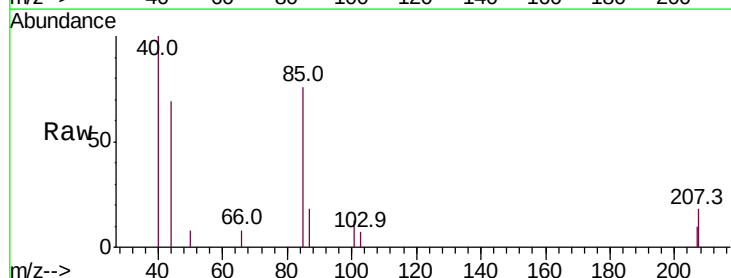
Acq: 07 Oct 2020 00:01

Tgt Ion: 85 Resp: 2906

Ion Ratio Lower Upper

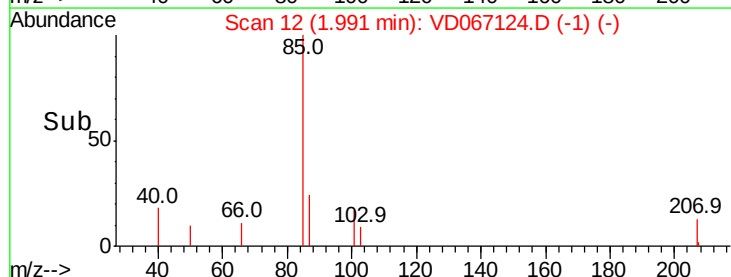
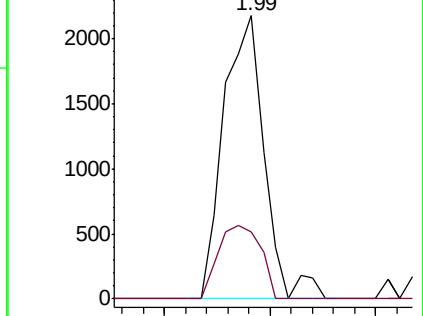
85 100

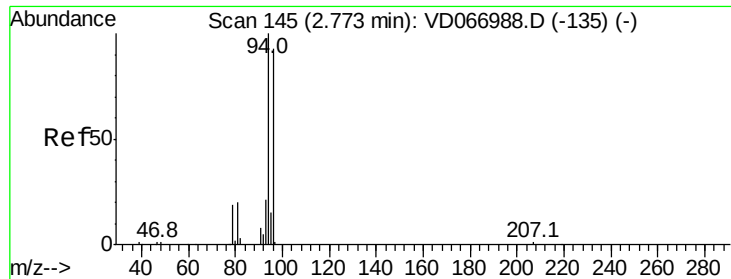
87 23.6 17.3 52.0



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# 148

Delta R.T. 0.02 min

Lab File: VD067124.D

Acq: 07 Oct 2020 00:01

Instrument :

MSVOA_D

ClientSampleId :

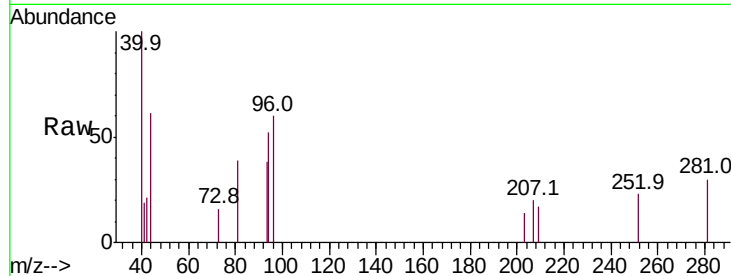
SC-12-(3.5)

Tot Ion: 94 Resp: 1310

Ion Ratio Lower Upper

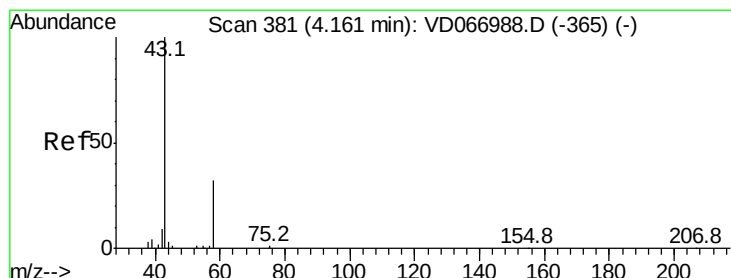
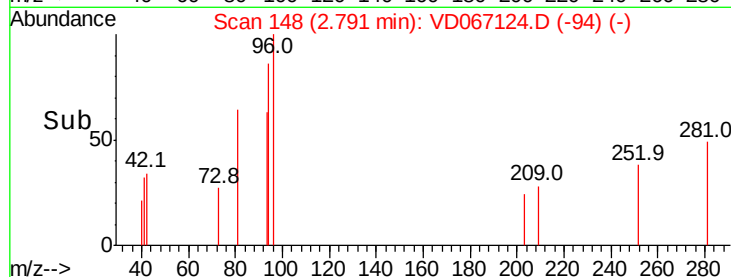
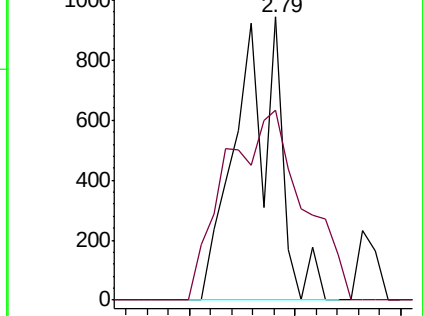
94 100

96 67.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 1.262 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067124.D

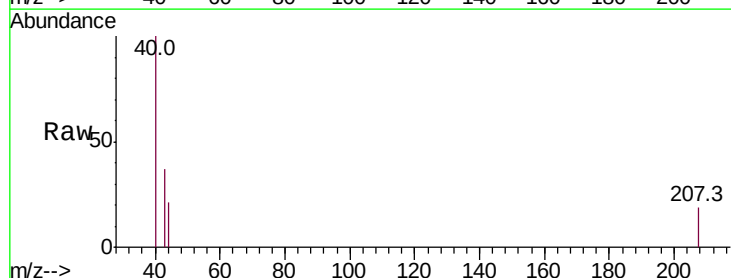
Acq: 07 Oct 2020 00:01

Tgt Ion: 43 Resp: 816

Ion Ratio Lower Upper

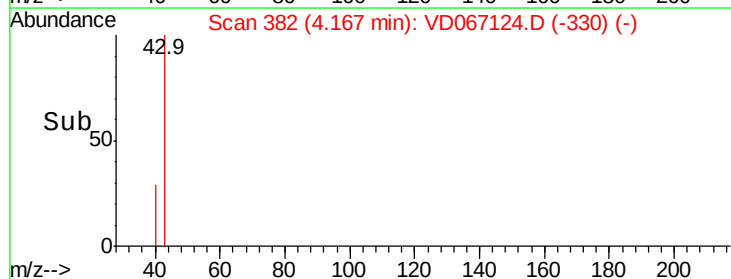
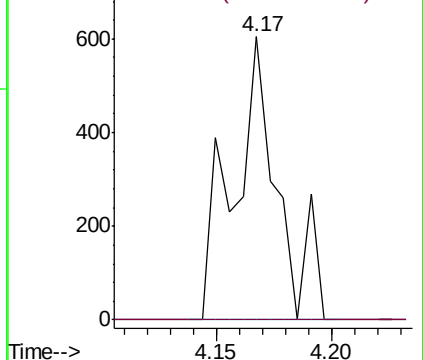
43 100

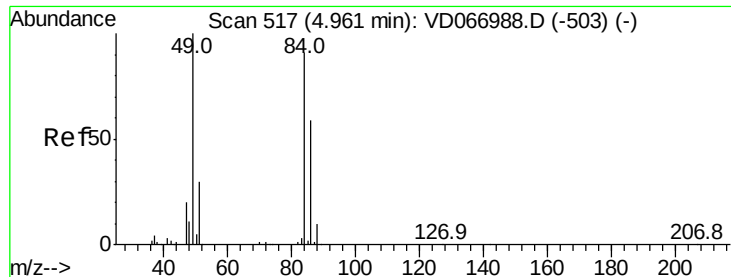
58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methylene Chloride

Concen: 7.844 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067124.D

Acq: 07 Oct 2020 00:01

Instrument :

MSVOA_D

ClientSampleId :

SC-12-(3.5)

Tot Ion: 84 Resp: 64114

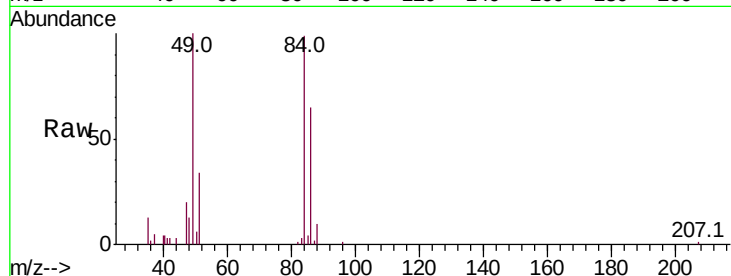
Ion Ratio Lower Upper

84 100

49 101.1 88.2 132.2

51 34.5 26.6 39.8

86 65.8 52.1 78.1

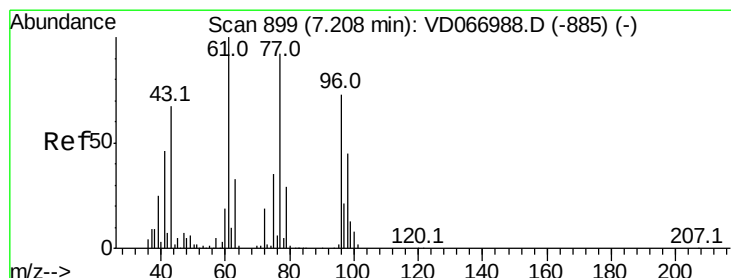
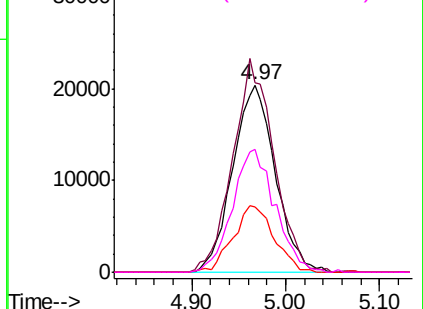
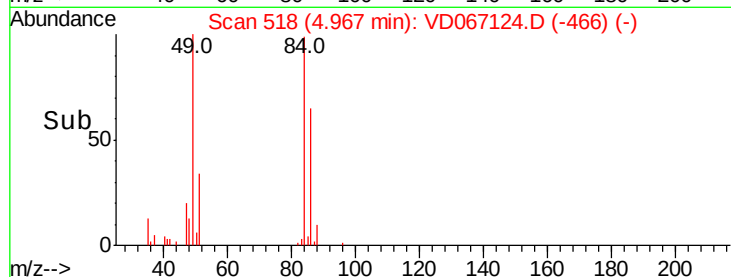


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067124.D

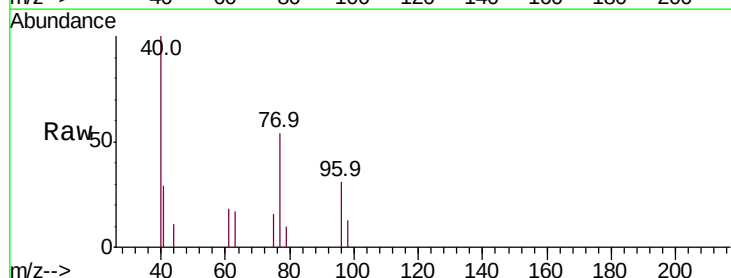
Acq: 07 Oct 2020 00:01

Tgt Ion: 77 Resp: 2472

Ion Ratio Lower Upper

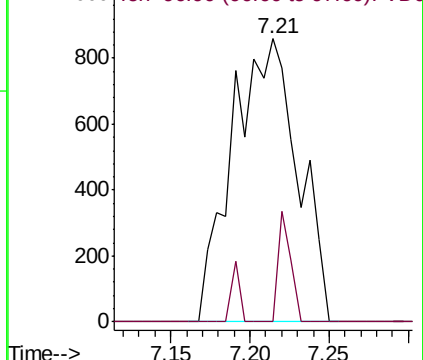
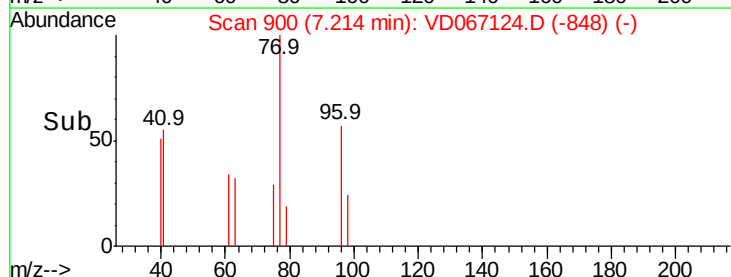
77 100

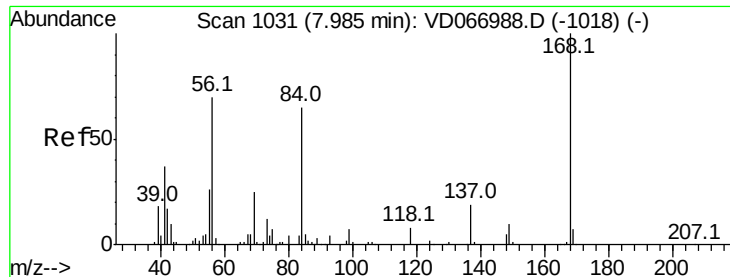
97 7.5 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

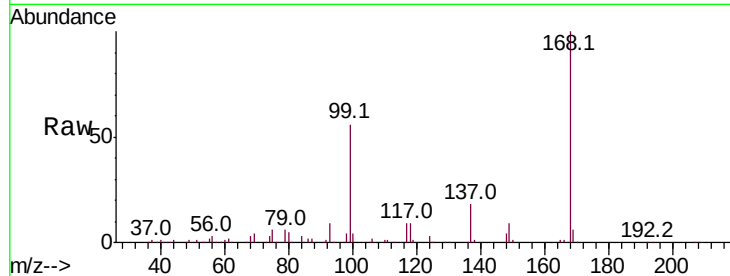




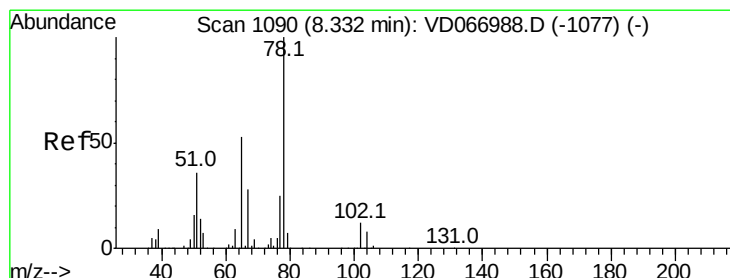
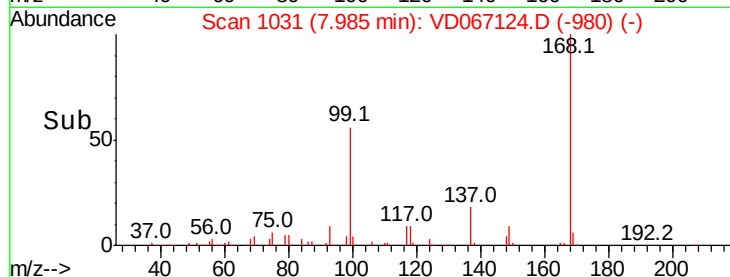
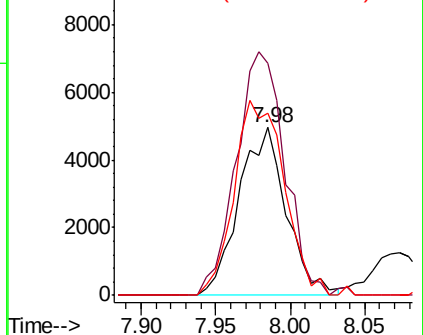
#31
Cyclohexane
Concen: 1.723 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067124.D
Acq: 07 Oct 2020 00:01

Instrument :
MSVOA_D
ClientSampleId :
SC-12-(3.5)

Tot Ion: 56 Resp: 10954
Ion Ratio Lower Upper
56 100
69 138.6 29.0 43.6#
84 108.7 74.2 111.2

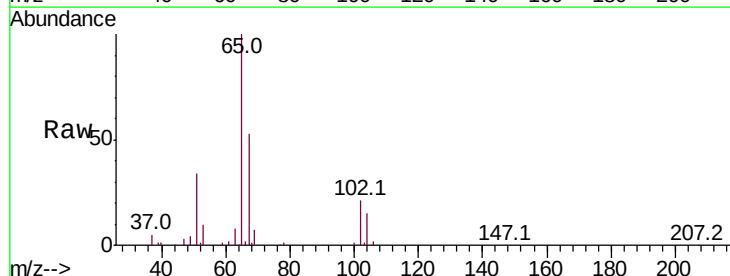


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

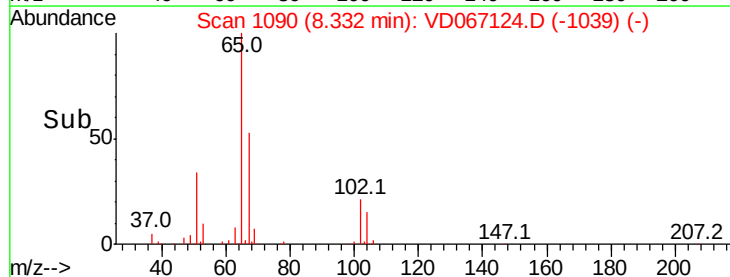
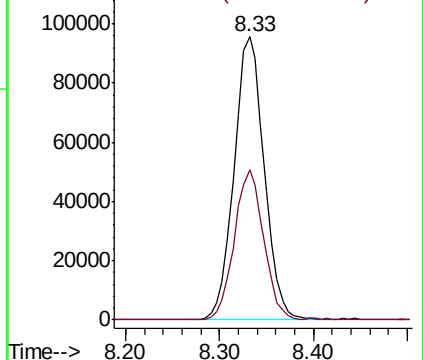


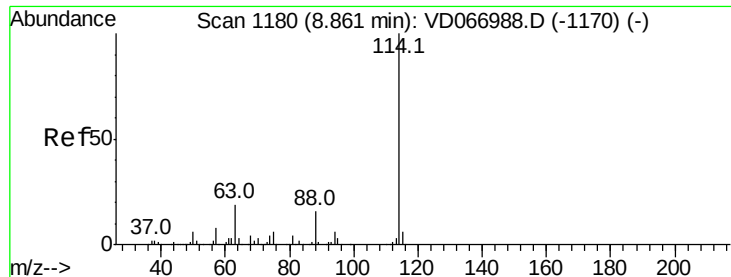
#33
1,2-Dichloroethane-d4
Concen: 50.254 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067124.D
Acq: 07 Oct 2020 00:01

Tgt Ion: 65 Resp: 212799
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.8



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

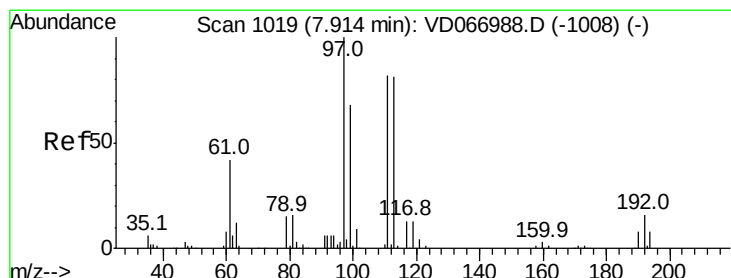
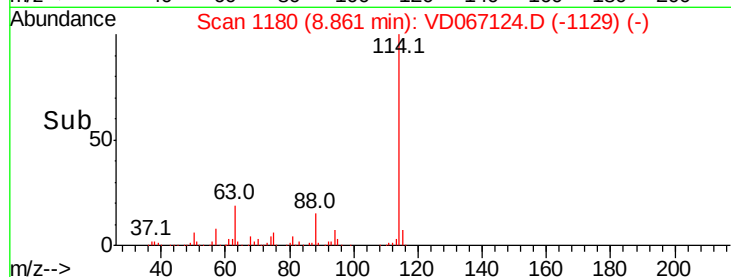
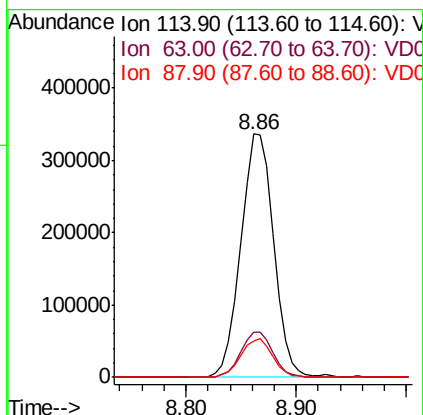
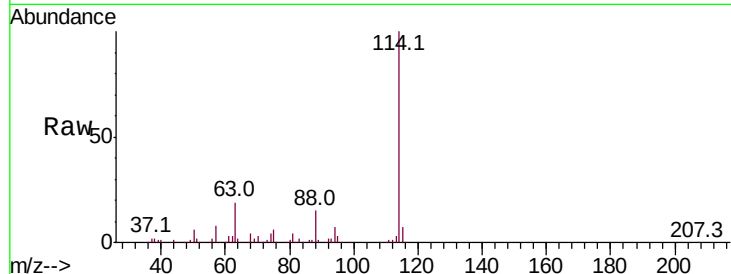




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD067124.D
Acq: 07 Oct 2020 00:01

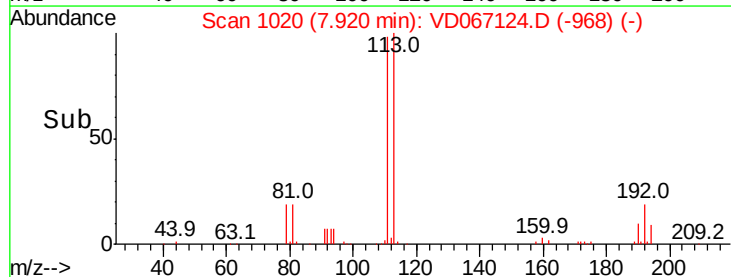
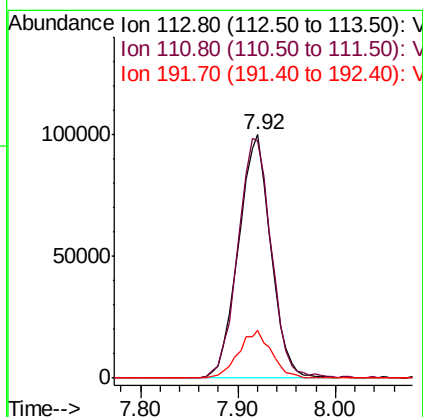
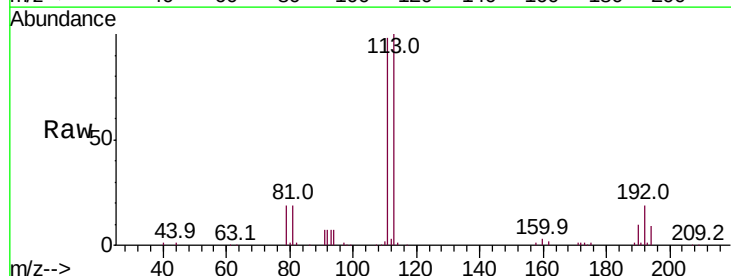
Instrument :
MSVOA_D
ClientSampleId :
SC-12-(3.5)

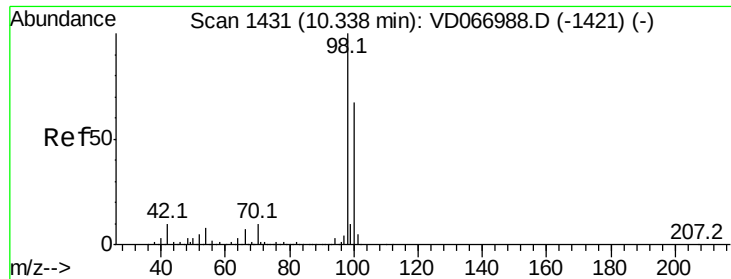
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	15.1	0.0	31.2



#35
Dibromofluoromethane
Concen: 49.942 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067124.D
Acq: 07 Oct 2020 00:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.4
192	19.7	15.5	23.3

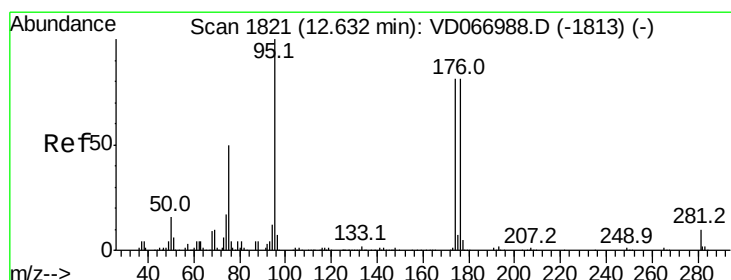
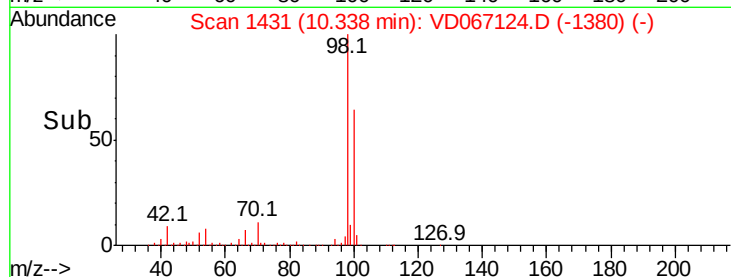
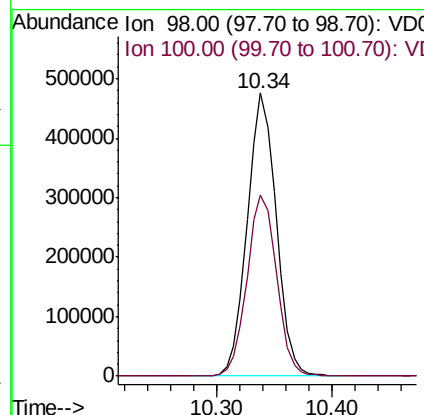
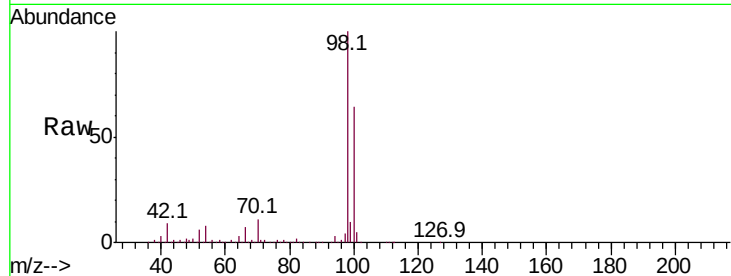




#50
Toluene-d8
Concen: 49.529 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067124.D
Acq: 07 Oct 2020 00:01

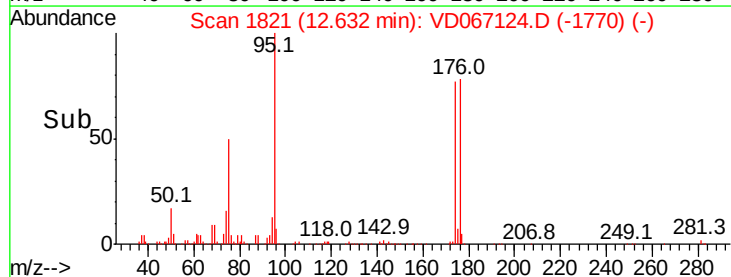
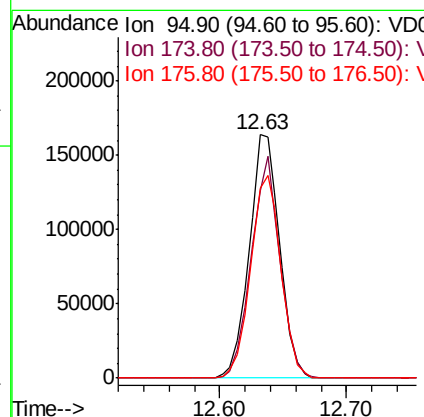
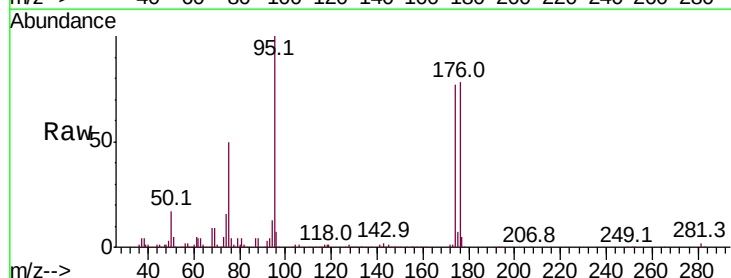
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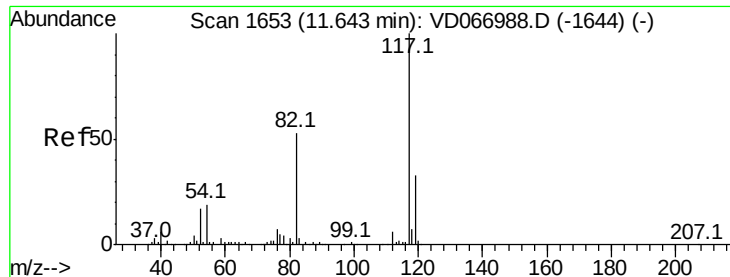
Tot Ion: 98 Resp: 834354
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.676 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067124.D
Acq: 07 Oct 2020 00:01

Tgt Ion: 95 Resp: 272644
Ion Ratio Lower Upper
95 100
174 85.8 0.0 167.6
176 83.0 0.0 162.4

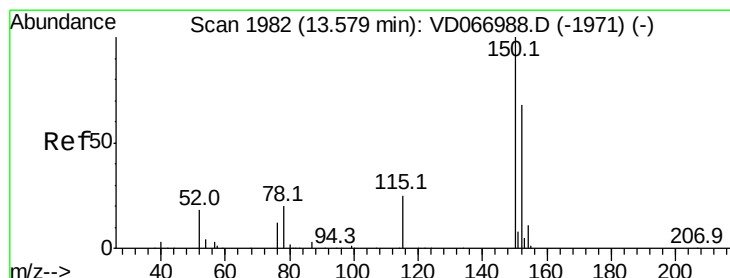
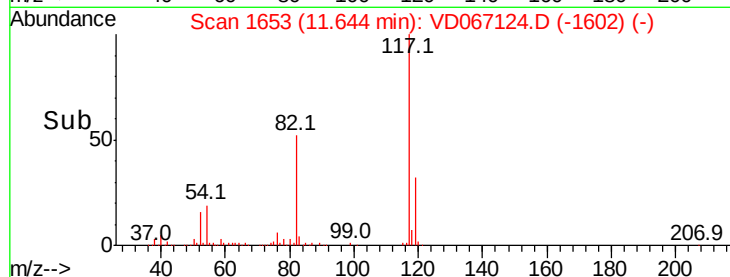
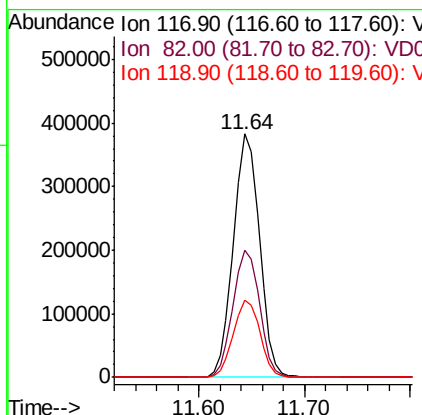
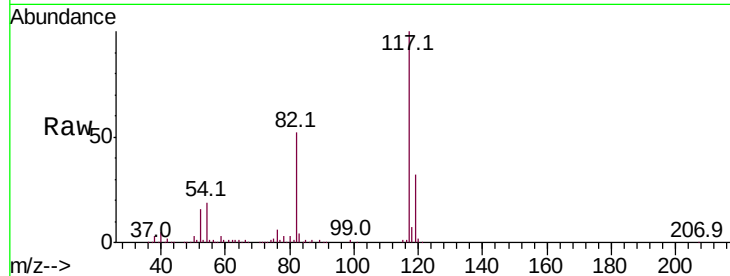




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067124.D
Acq: 07 Oct 2020 00:01

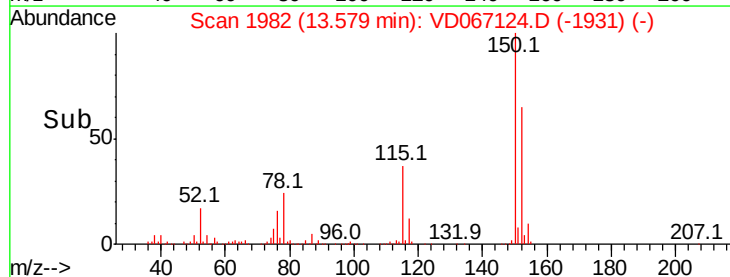
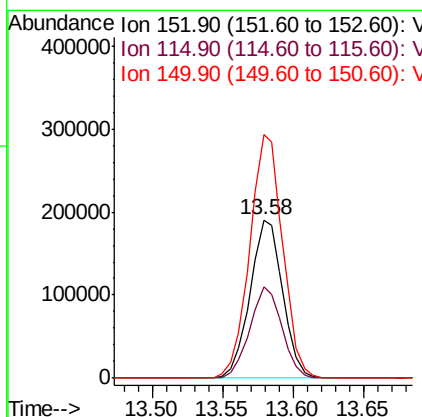
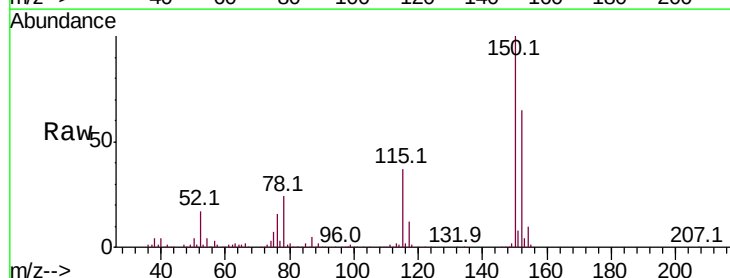
Instrument :
MSVOA_D
ClientSampleId :
SC-12-(3.5)

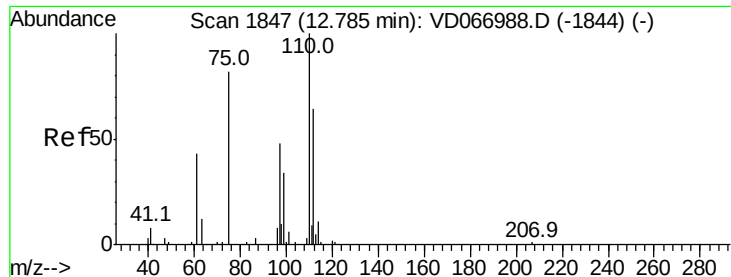
Tot Ion:117 Resp: 656670
Ion Ratio Lower Upper
117 100
82 52.1 42.6 63.8
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067124.D
Acq: 07 Oct 2020 00:01

Tgt Ion:152 Resp: 308333
Ion Ratio Lower Upper
152 100
115 57.3 29.6 88.8
150 155.8 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 50.804 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067124.D

Acq: 07 Oct 2020 00:01

Instrument :

MSVOA_D

ClientSampleId :

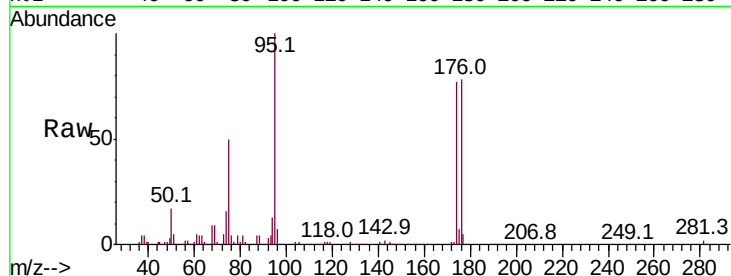
SC-12-(3.5)

Tot Ion: 75 Resp: 136443

Ion Ratio Lower Upper

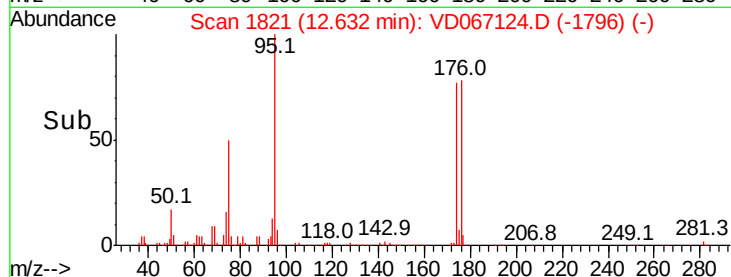
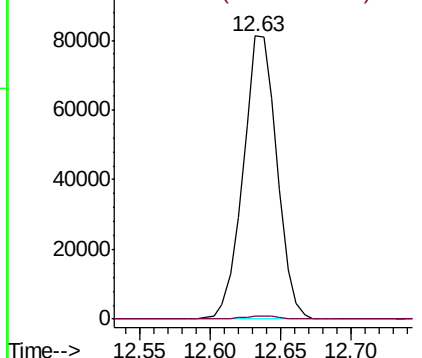
75 100

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: 126.660 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067124.D

Acq: 07 Oct 2020 00:01

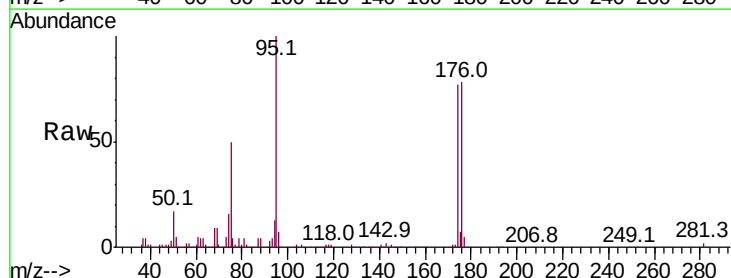
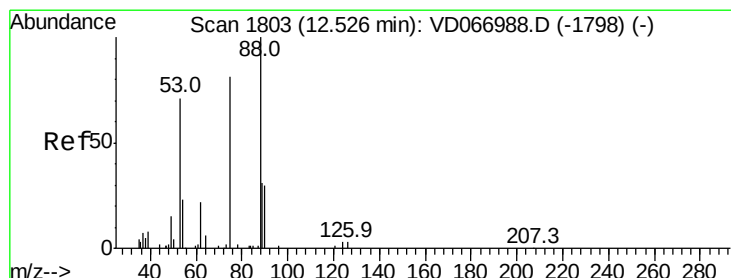
Tgt Ion: 75 Resp: 136443

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 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

