

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066532.D
 Acq On : 02 Sep 2020 19:33
 Operator : VA/SY
 Sample : L3876-03
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1449

Quant Time: Sep 03 03:44:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	168795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	241397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	223068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	118427	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	92501	50.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.92%		
35) Dibromofluoromethane	7.91	113	72864	50.19	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.38%		
50) Toluene-d8	10.34	98	280690	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.98%		
62) 4-Bromofluorobenzene	12.63	95	94217	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.96%		

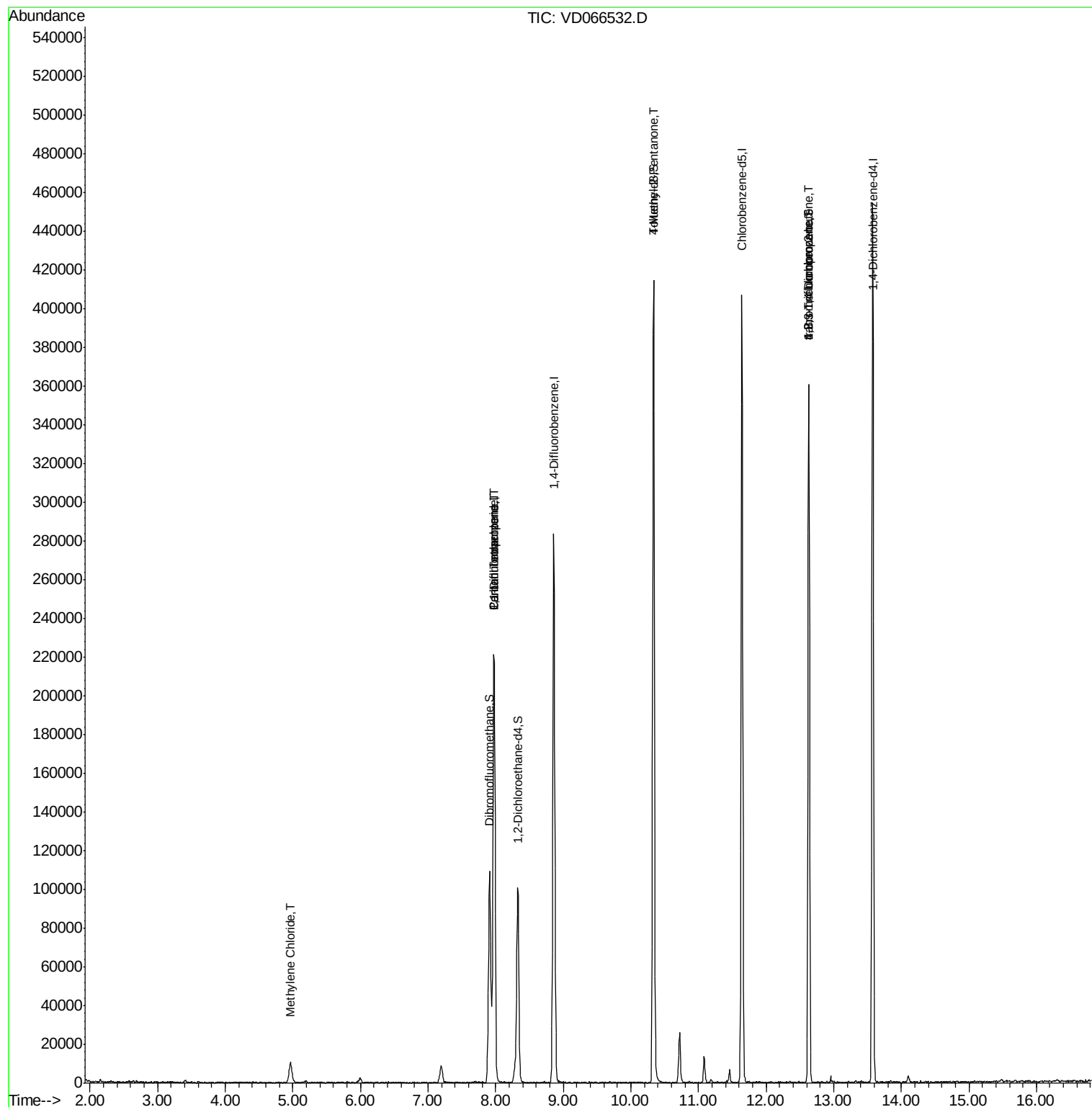
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	464	Below Cal	#	76
20) Methylene Chloride	4.96	84	8567	2.218	ug/l	91
31) Cyclohexane	7.98	56	3472	Below Cal	#	17
36) 1,1-Dichloropropene	7.98	75	11461	5.416	ug/l	55
38) Carbon Tetrachloride	7.98	117	18364	5.697	ug/l	18
51) 4-Methyl-2-Pentanone	10.34	43	954	1.559	ug/l	1
76) 1,2,3-Trichloropropane	12.63	75	57262	76.863	ug/l	1
81) trans-1,4-Dichloro-2-buten	12.63	75	57262	171.168	ug/l	1

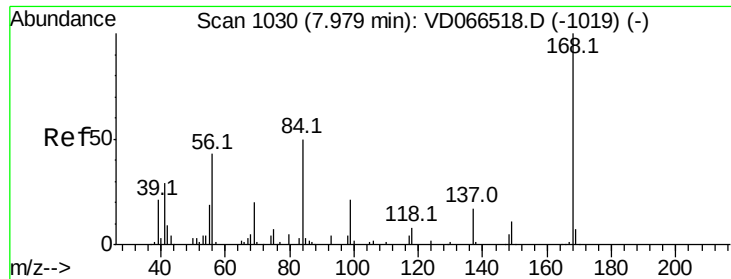
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066532.D

Acq: 02 Sep 2020 19:33

Instrument :

MSVOA_D

ClientSampleId :

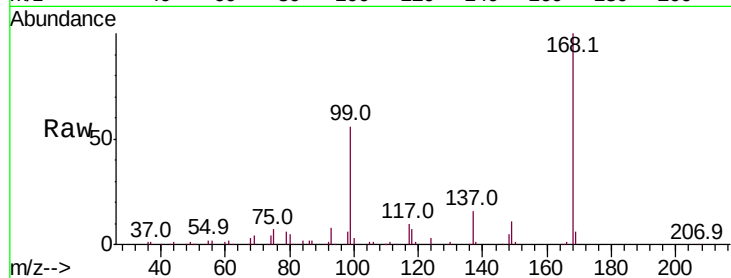
1449

Tot Ion:168 Resp: 168795

Ion Ratio Lower Upper

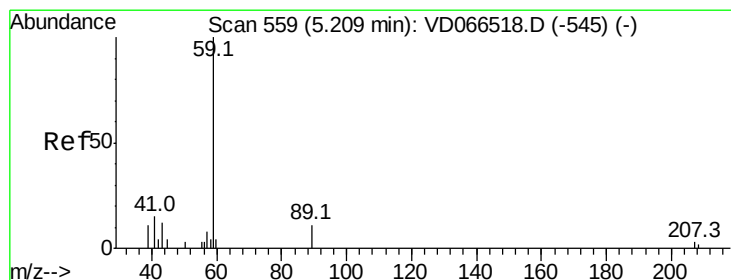
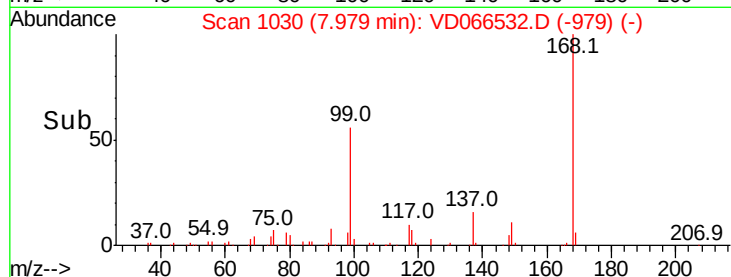
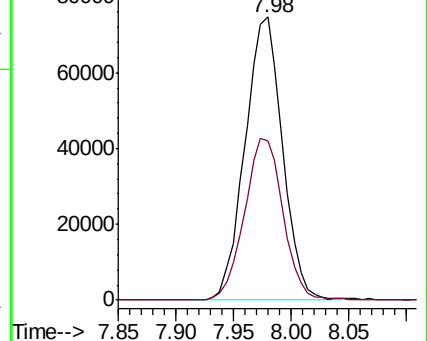
168 100

99 56.2 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD066532.D

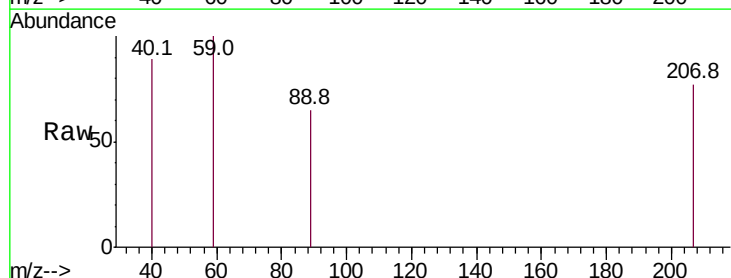
Acq: 02 Sep 2020 19:33

Tgt Ion: 59 Resp: 464

Ion Ratio Lower Upper

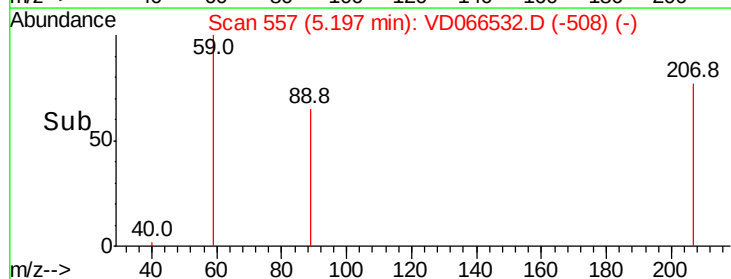
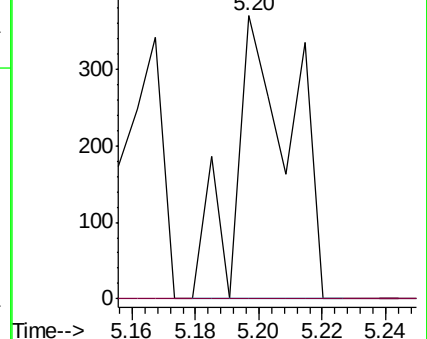
59 100

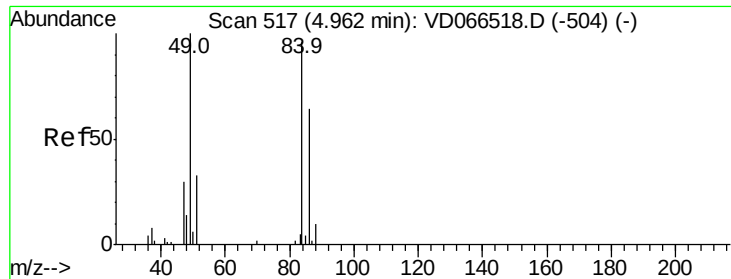
57 0.0 6.8 10.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

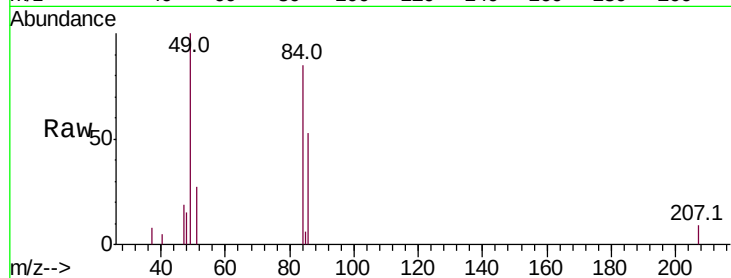




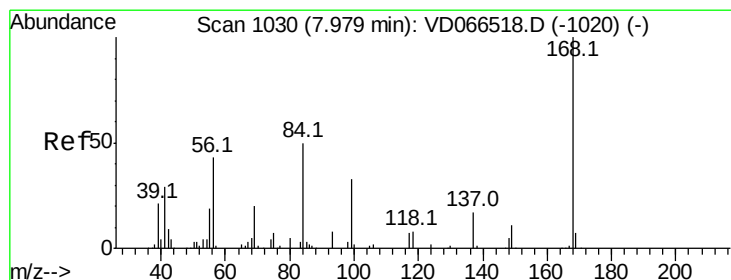
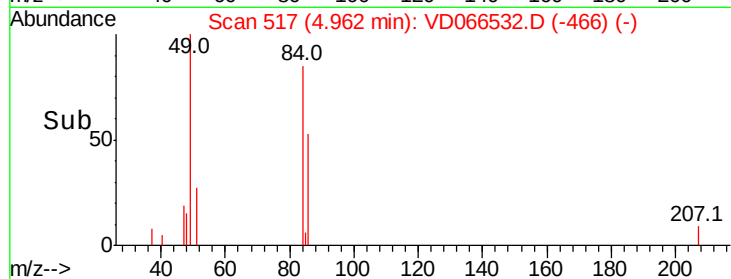
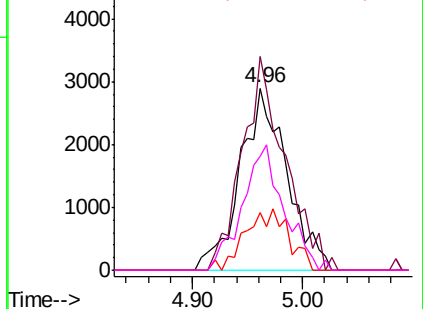
#20
Methylene Chloride
Concen: 2.218 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066532.D
Acq: 02 Sep 2020 19:33

Instrument :
MSVOA_D
ClientSampled :
1449

Tot Ion:	84	Resp:	8567
Ion	Ratio	Lower	Upper
84	100		
49	117.4	83.5	125.3
51	31.8	27.8	41.8
86	62.8	53.5	80.3

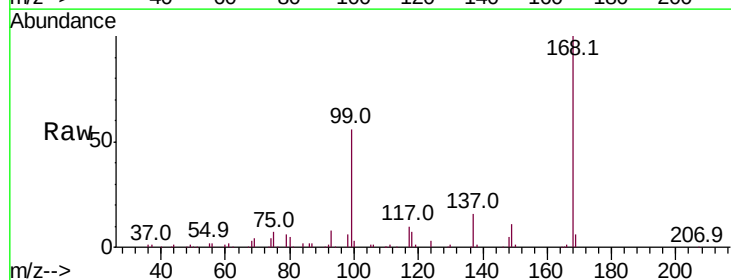


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

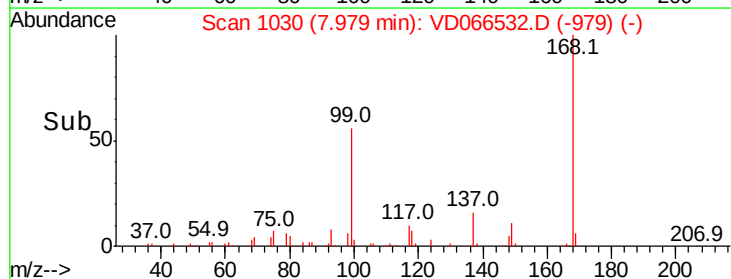
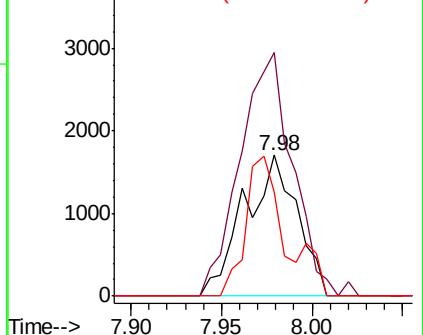


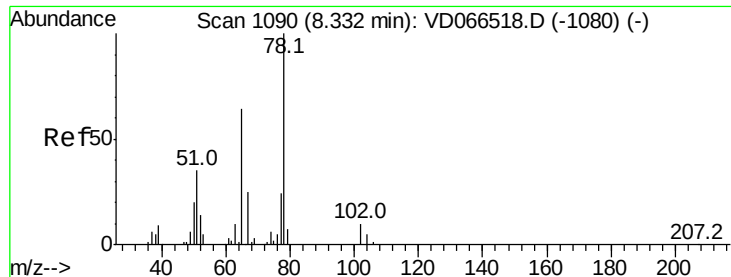
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066532.D
Acq: 02 Sep 2020 19:33

Tgt Ion:	56	Resp:	3472
Ion	Ratio	Lower	Upper
56	100		
69	173.1	36.8	55.2#
84	73.7	93.4	140.0#



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

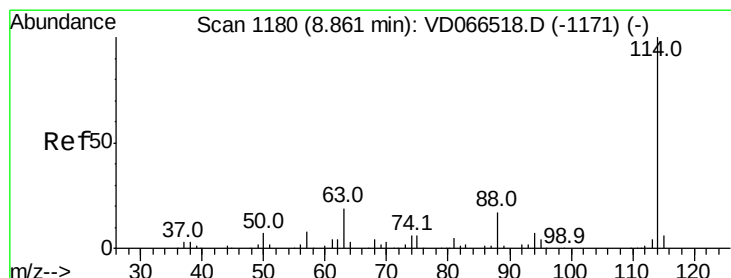
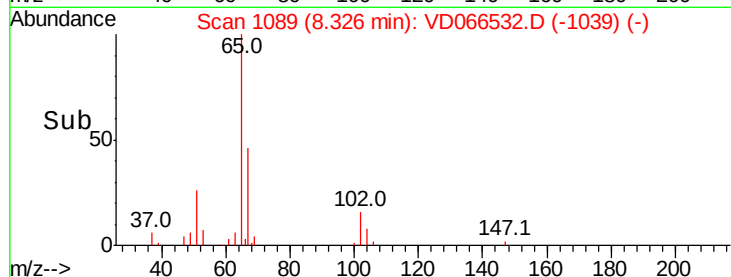
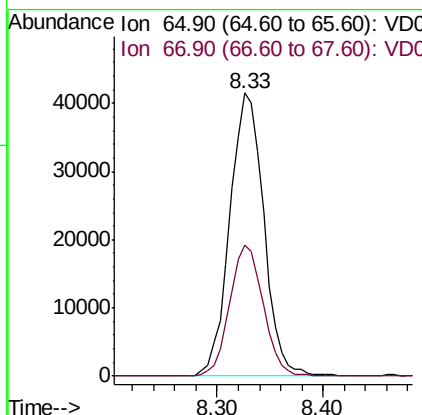
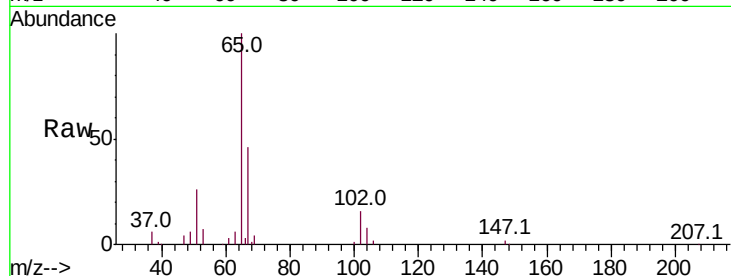




#33
 1,2-Dichloroethane-d4
 Concen: 50.956 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066532.D
 Acq: 02 Sep 2020 19:33

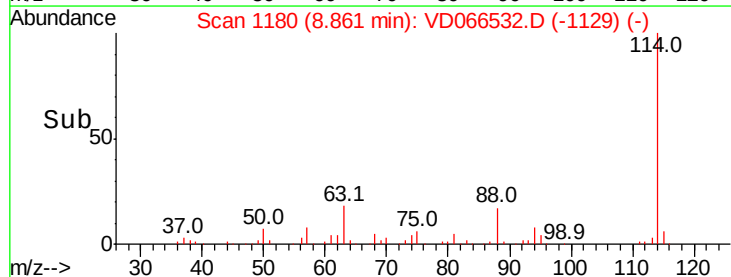
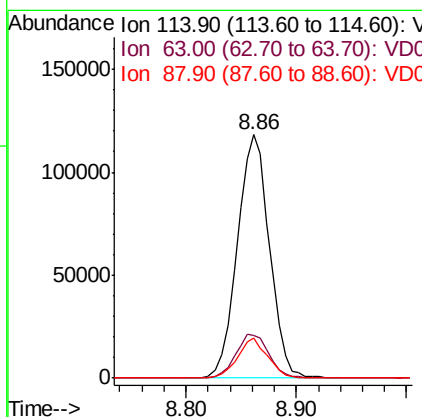
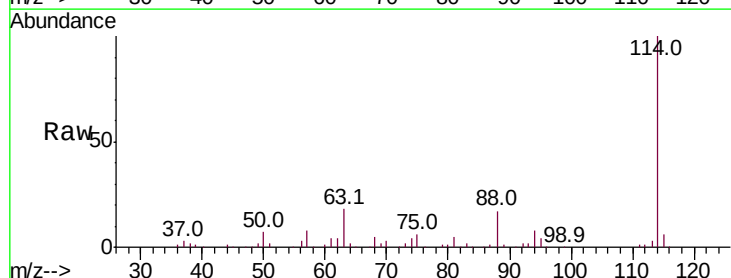
Instrument :
 MSVOA_D
 ClientSampleId :
 1449

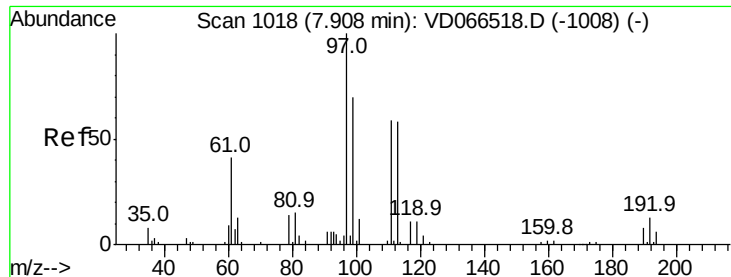
Tot Ion: 65 Resp: 92501
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 88.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066532.D
 Acq: 02 Sep 2020 19:33

Tgt Ion: 114 Resp: 241397
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 38.6
 88 16.5 0.0 33.6

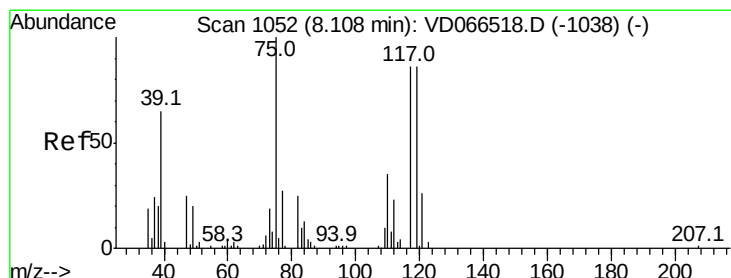
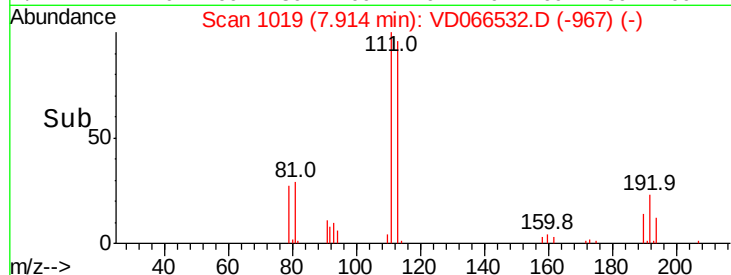
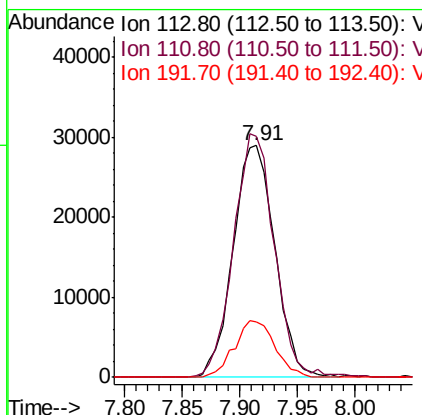
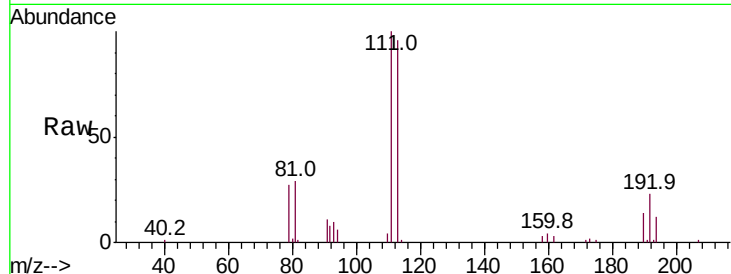




#35
 Dibromofluoromethane
 Concen: 50.186 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066532.D
 Acq: 02 Sep 2020 19:33

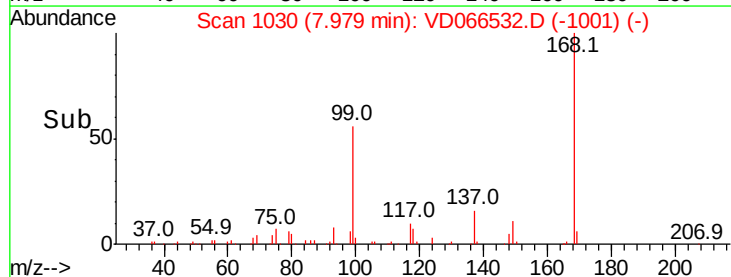
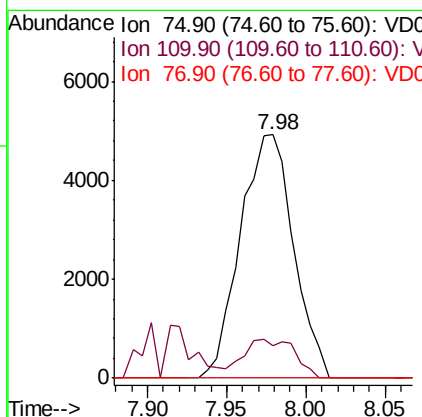
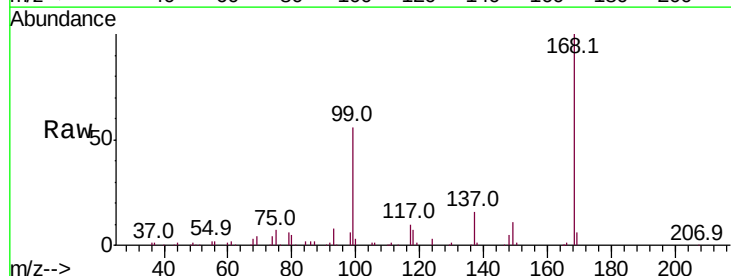
Instrument :
 MSVOA_D
 ClientSampled :
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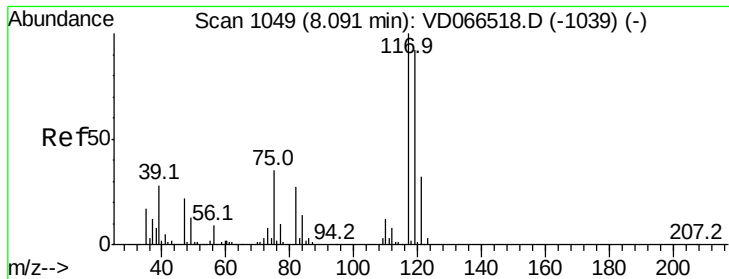
Tot Ion:113 Resp: 72864
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.5 123.7
 192 23.9 20.7 31.1



#36
 1,1-Dichloropropene
 Concen: 5.416 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066532.D
 Acq: 02 Sep 2020 19:33

Tgt Ion: 75 Resp: 11461
 Ion Ratio Lower Upper
 75 100
 110 15.2 18.4 55.2#
 77 0.0 24.6 36.8#

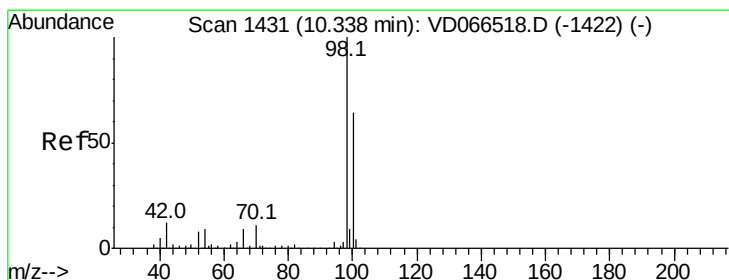
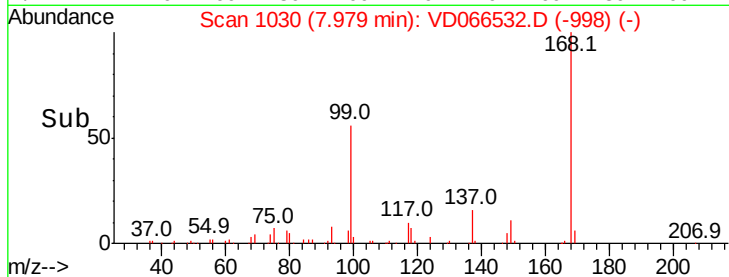
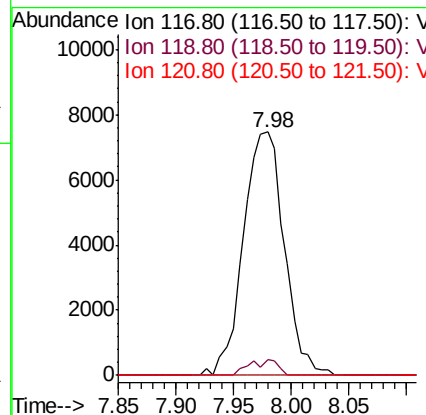
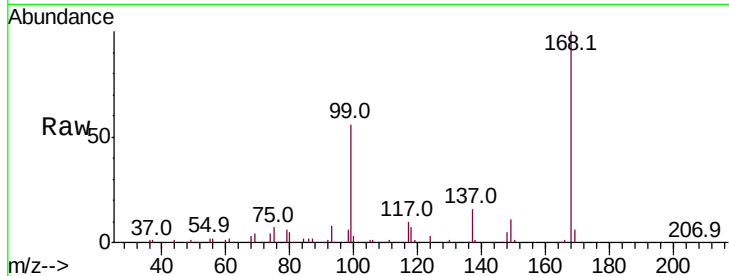




#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066532.D
Acq: 02 Sep 2020 19:33

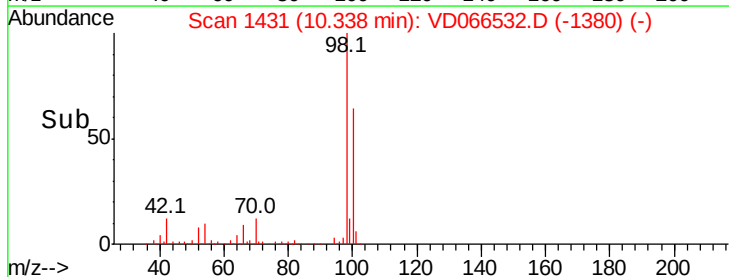
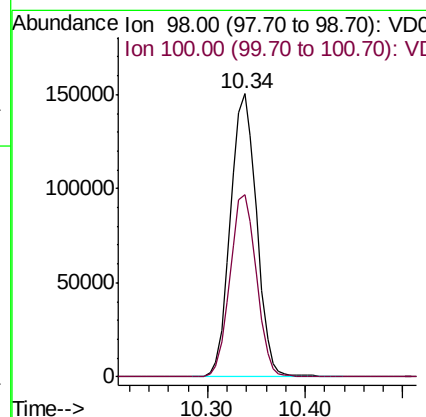
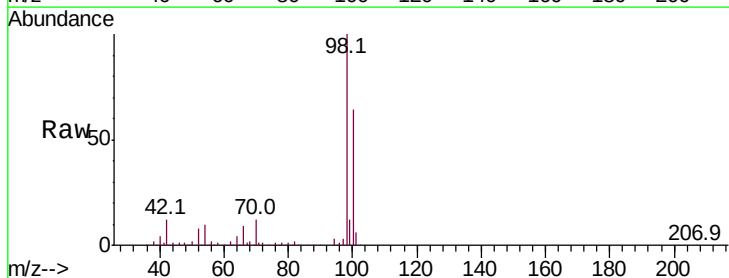
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ClientSampleId :
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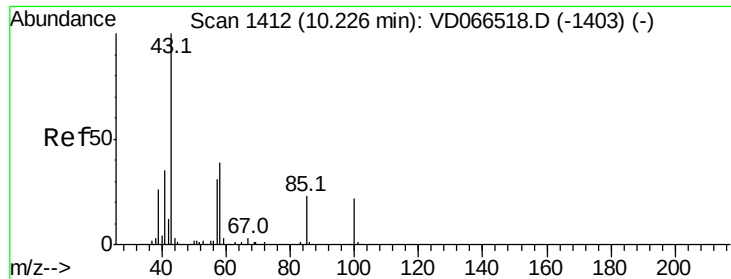
Tot Ion:117 Resp: 18364
Ion Ratio Lower Upper
117 100
119 6.3 73.9 110.9#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 51.486 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066532.D
Acq: 02 Sep 2020 19:33

Tgt Ion: 98 Resp: 280690
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2

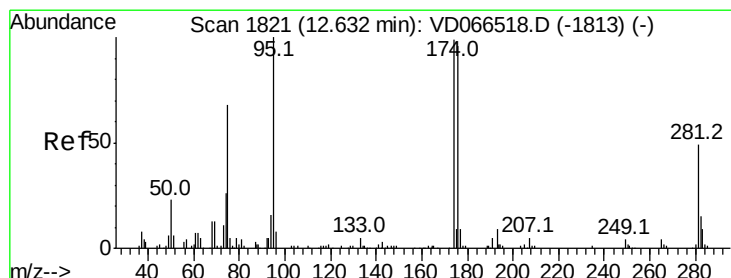
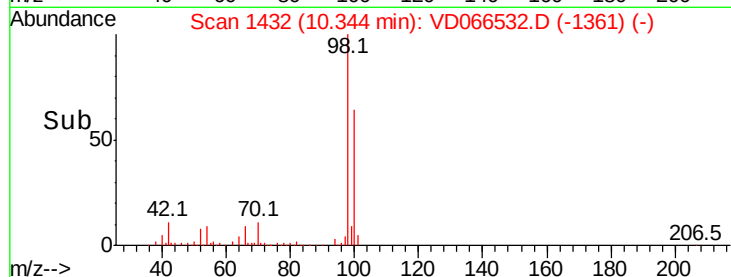
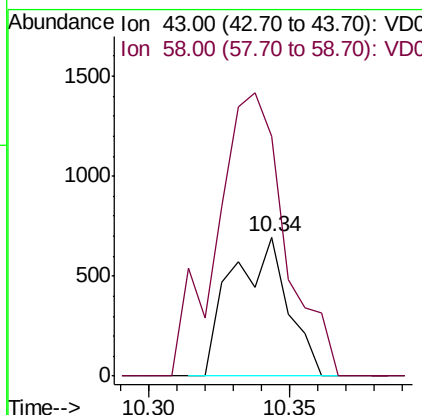
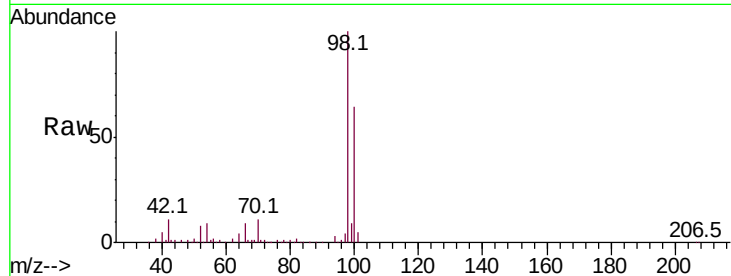




#51
 4-Methyl-2-Pentanone
 Concen: 1.559 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.12 min
 Lab File: VD066532.D
 Acq: 02 Sep 2020 19:33

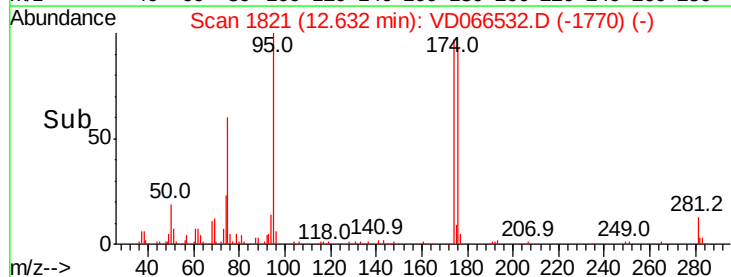
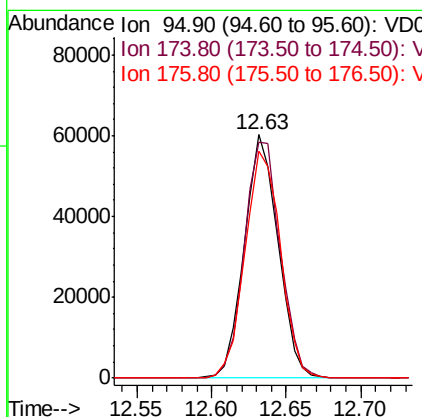
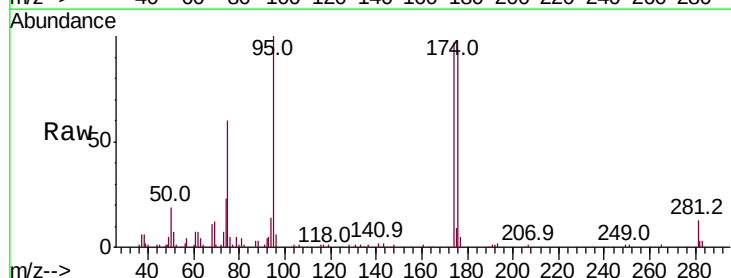
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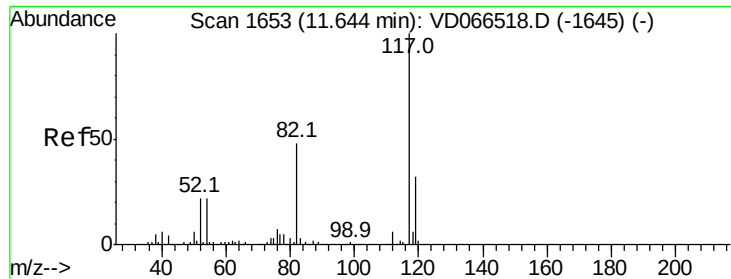
Tot Ion: 43 Resp: 954
 Ion Ratio Lower Upper
 43 100
 58 250.5 31.5 47.3#



#62
 4-Bromofluorobenzene
 Concen: 48.482 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066532.D
 Acq: 02 Sep 2020 19:33

Tgt Ion: 95 Resp: 94217
 Ion Ratio Lower Upper
 95 100
 174 103.4 0.0 203.2
 176 98.0 0.0 198.6

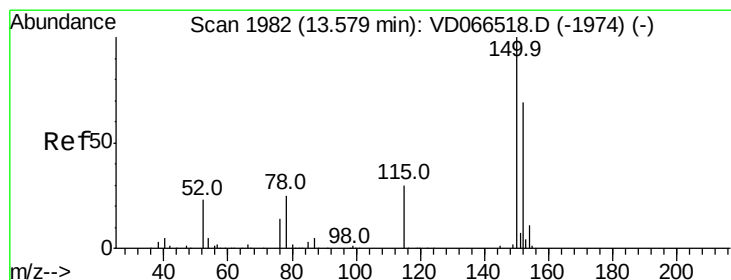
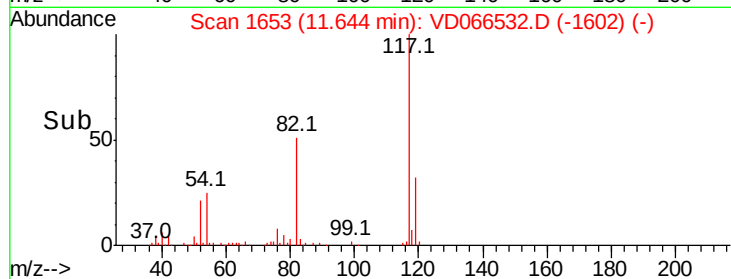
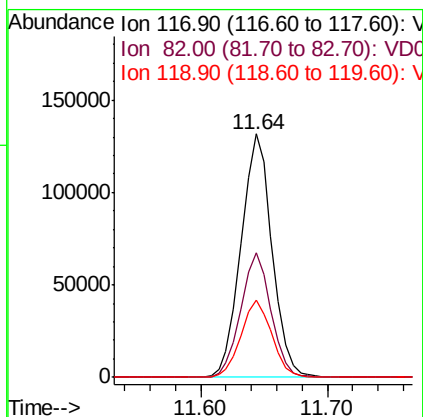
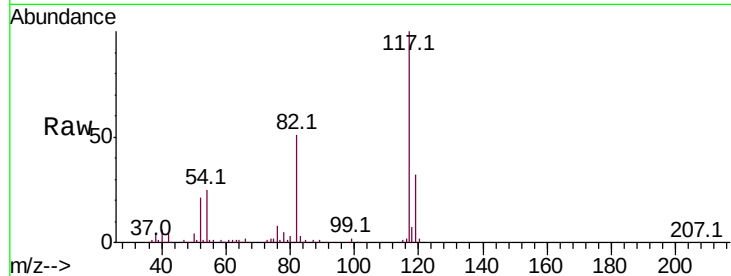




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066532.D
Acq: 02 Sep 2020 19:33

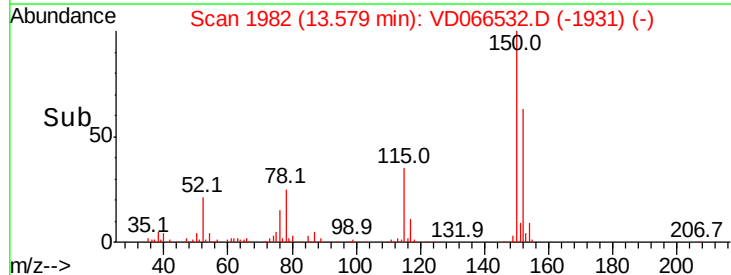
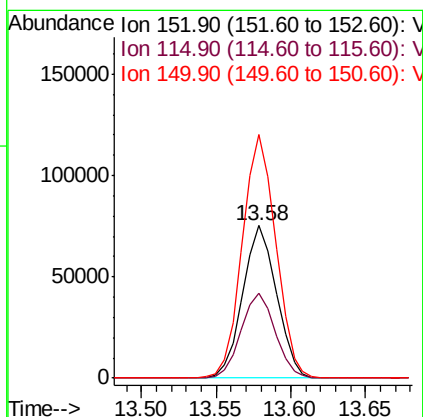
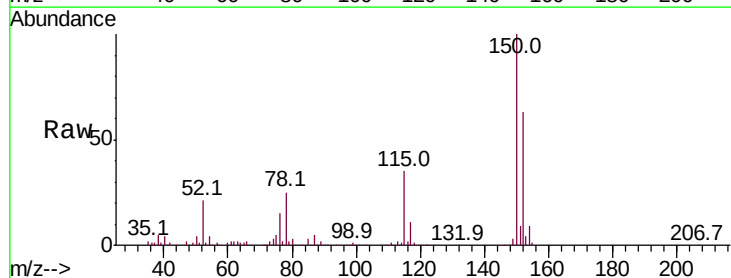
Instrument :
MSVOA_D
ClientSampleId :
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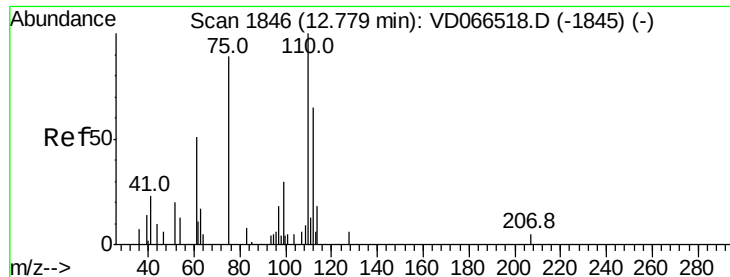
Tot Ion:117 Resp: 223068
Ion Ratio Lower Upper
117 100
82 51.2 38.5 57.7
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066532.D
Acq: 02 Sep 2020 19:33

Tgt Ion:152 Resp: 118427
Ion Ratio Lower Upper
152 100
115 56.0 28.9 86.8
150 157.6 0.0 339.6





#76

1,2,3-Trichloropropane

Concen: 76.863 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066532.D

Acq: 02 Sep 2020 19:33

Instrument :

MSVOA_D

ClientSampleId :

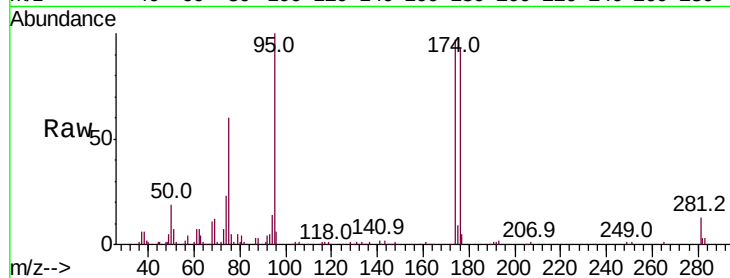
1449

Tot Ion: 75 Resp: 57262

Ion Ratio Lower Upper

75 100

77 0.8 196.9 590.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

40000

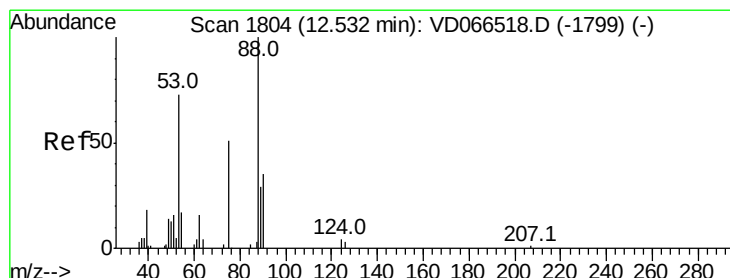
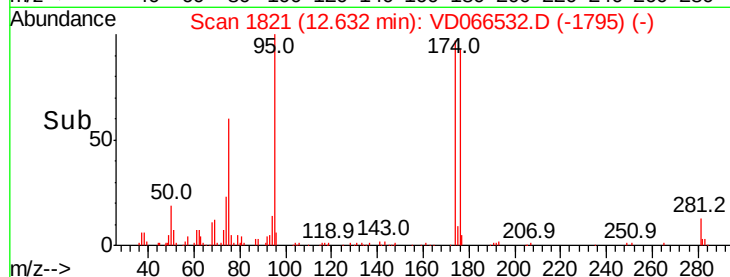
30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 171.168 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066532.D

Acq: 02 Sep 2020 19:33

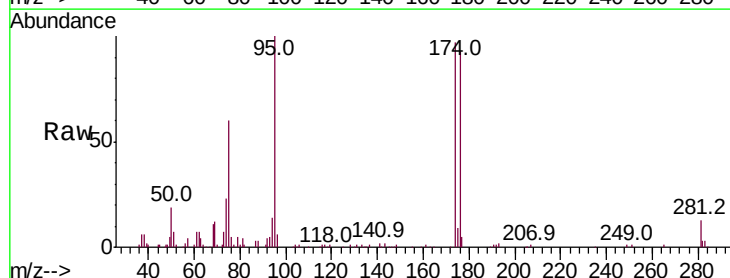
Tgt Ion: 75 Resp: 57262

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.8#

89 0.0 46.0 69.0#



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

12.63

50000

40000

30000

20000

10000

0

Time--> 12.55 12.60 12.65 12.70

