

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066262.D
 Acq On : 17 Aug 2020 17:14
 Operator : VA/SY
 Sample : L3659-01
 Misc : 7.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP1-1

Quant Time: Aug 18 07:53:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	264711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	425236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	543979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323923	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	114003	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
35) Dibromofluoromethane	7.91	113	129726	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	10.34	98	532203	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.63	95	276652	77.21	ug/l	0.00
Spiked Amount			Recovery	=	154.42%	

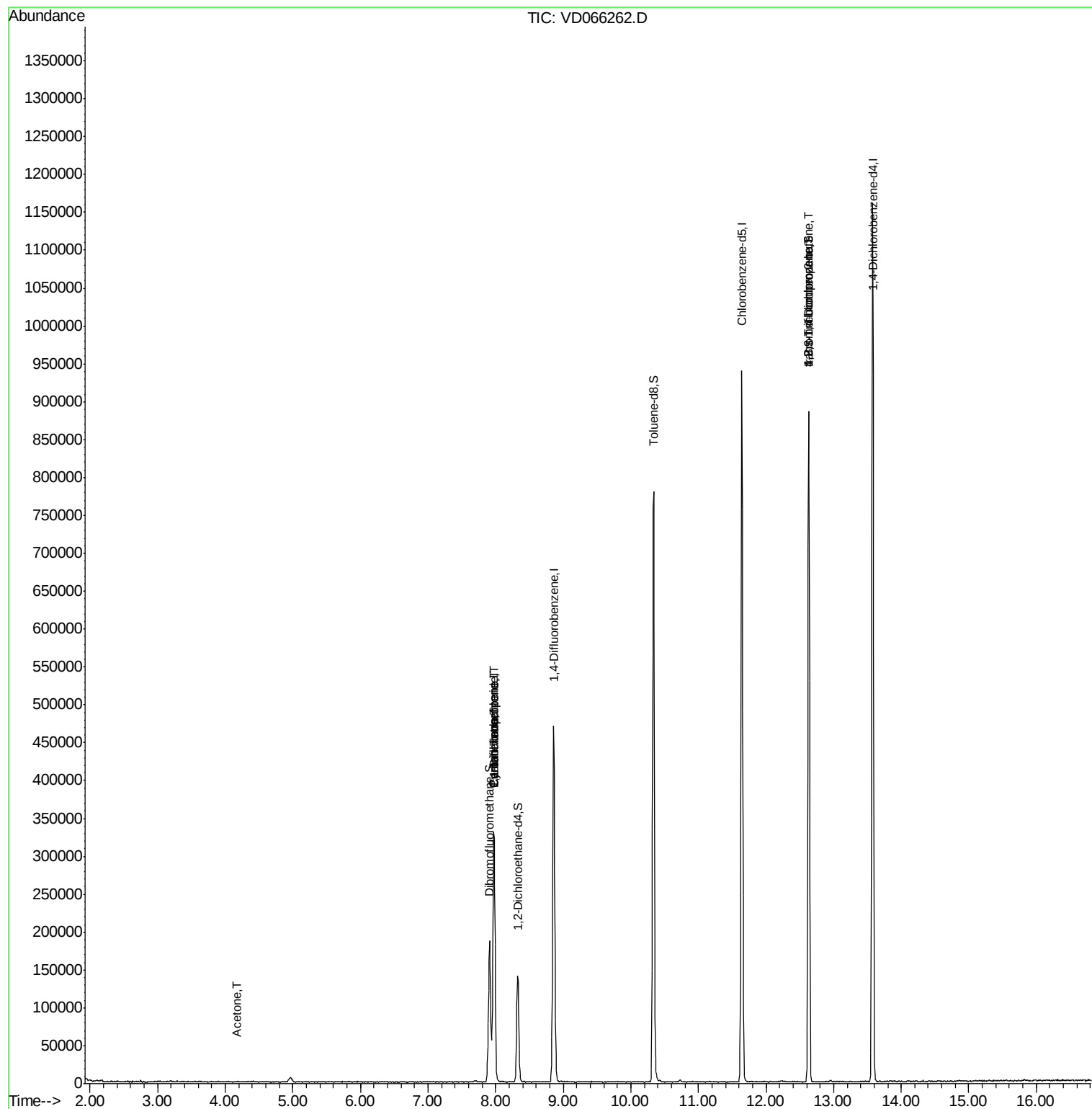
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	56	Below Cal	#	76
16) Acetone	4.17	43	852	1.901	ug/l #	44
20) Methylene Chloride	4.95	84	5002	Below Cal	#	81
31) Cyclohexane	7.97	56	5212	1.260	ug/l #	29
36) 1,1-Dichloropropene	7.97	75	17254	4.318	ug/l #	49
38) Carbon Tetrachloride	7.98	117	24414	5.479	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	138749	51.364	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	138749	113.543	ug/l #	13

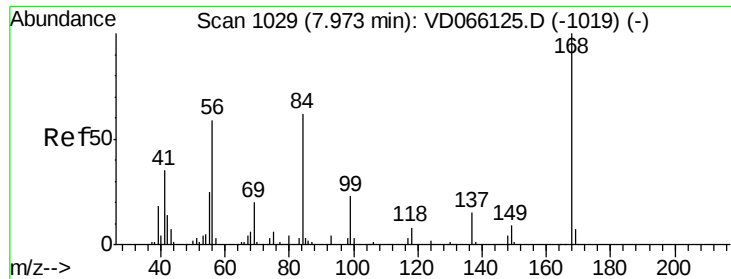
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066262.D

Acq: 17 Aug 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

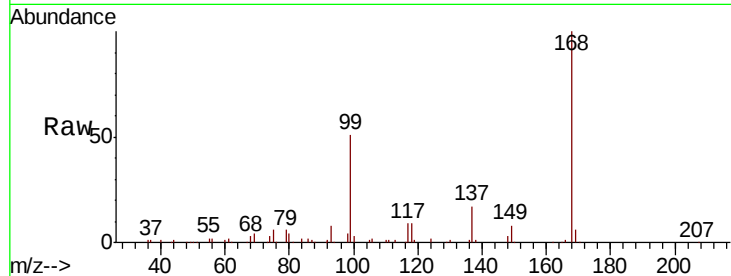
SP1-1

Tot Ion:168 Resp: 264711

Ion Ratio Lower Upper

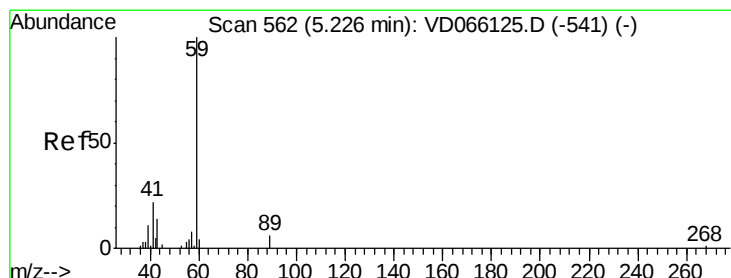
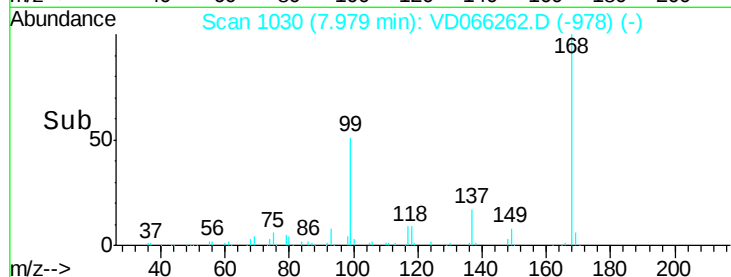
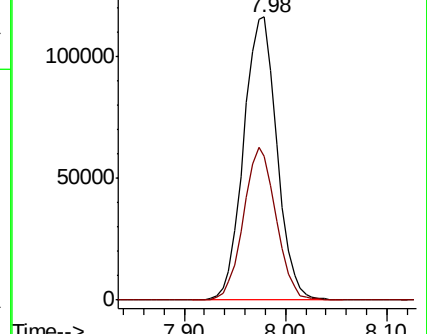
168 100

99 50.7 42.2 63.4



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: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066262.D

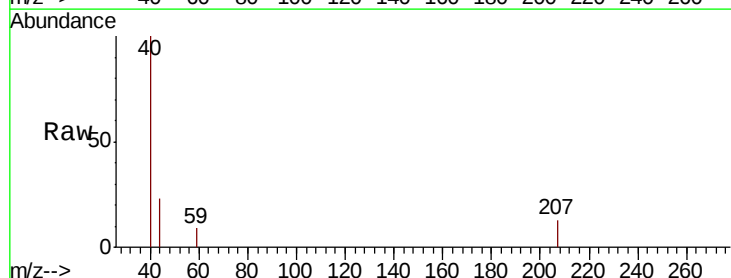
Acq: 17 Aug 2020 17:14

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

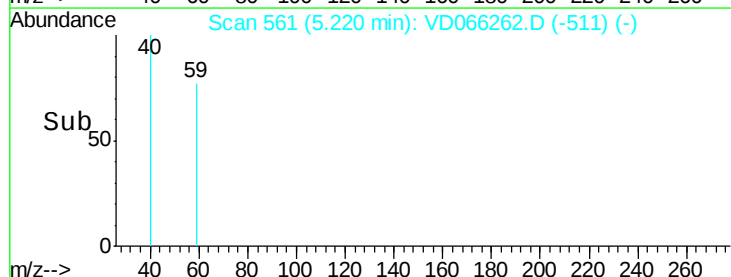
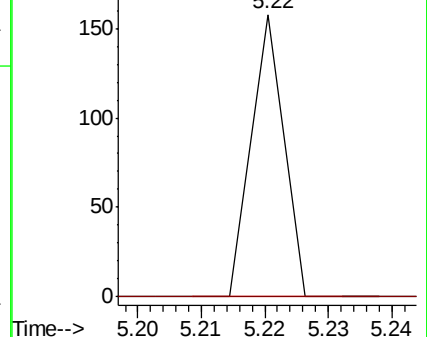
59 100

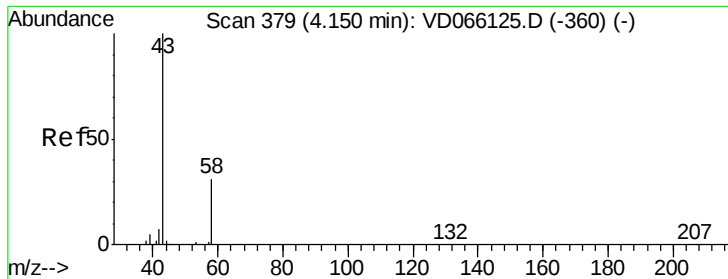
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.901 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066262.D

Acq: 17 Aug 2020 17:14

Instrument :

MSVOA_D

ClientSampled :

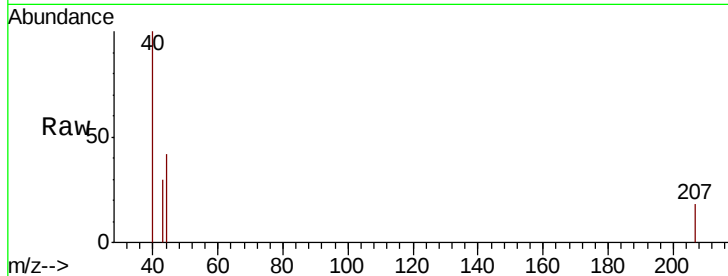
SP1-1

Tot Ion: 43 Resp: 852

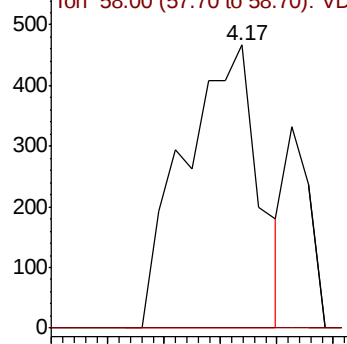
Ion Ratio Lower Upper

43 100

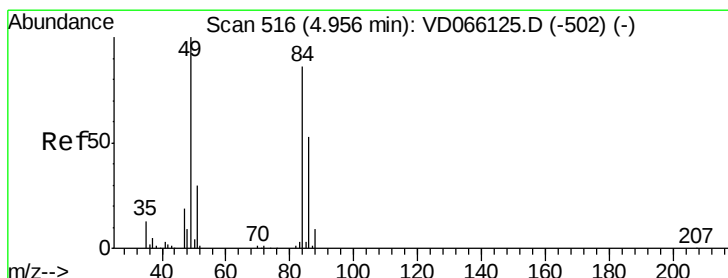
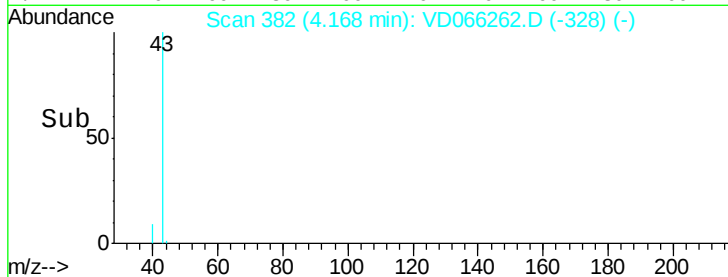
58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC



Time--> 4.10 4.12 4.14 4.16 4.18



#20

Methylene Chloride

Concen: Below Cal

RT: 4.95 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD066262.D

Acq: 17 Aug 2020 17:14

Tgt Ion: 84 Resp: 5002

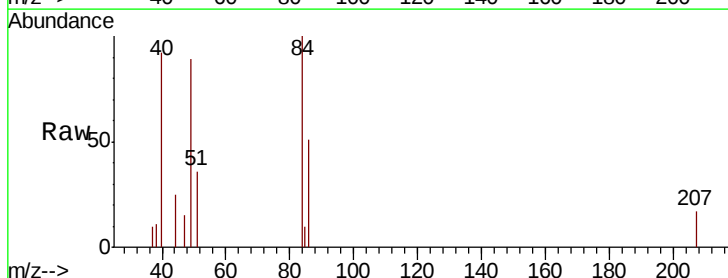
Ion Ratio Lower Upper

84 100

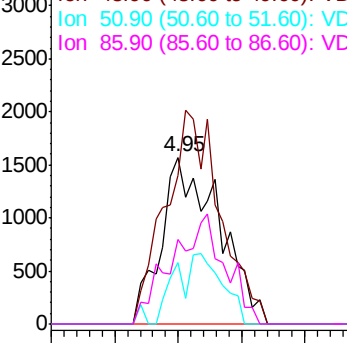
49 88.7 93.5 140.3#

51 36.5 28.2 42.4

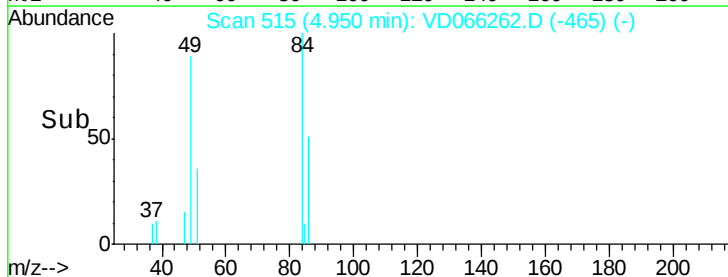
86 50.7 49.5 74.3

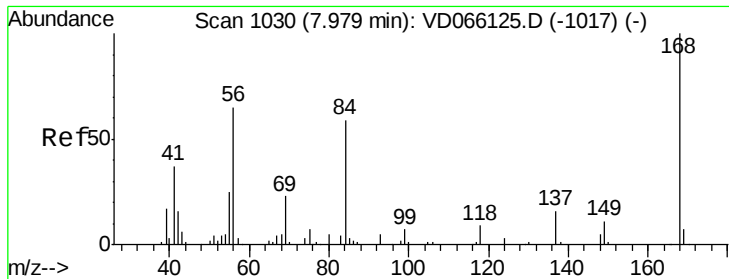


Abundance Ion 83.90 (83.60 to 84.60): VDC



Time--> 4.85 4.90 4.95 5.00 5.05

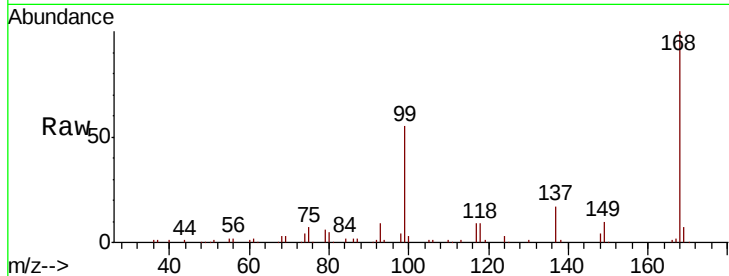




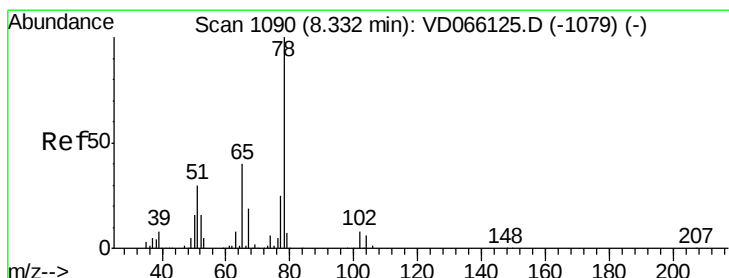
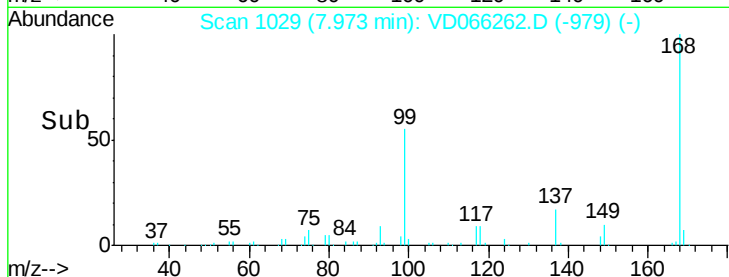
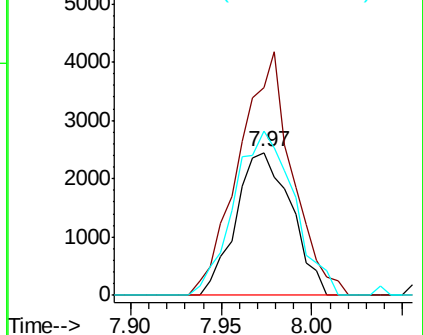
#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066262.D
Acq: 17 Aug 2020 17:14

Instrument :
MSVOA_D
ClientSampled :
SP1-1

Tot Ion: 56 Resp: 5212
Ion Ratio Lower Upper
56 100
69 145.5 28.8 43.2#
84 115.2 73.0 109.6#

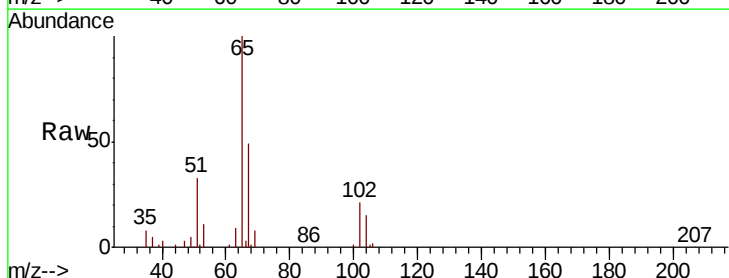


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

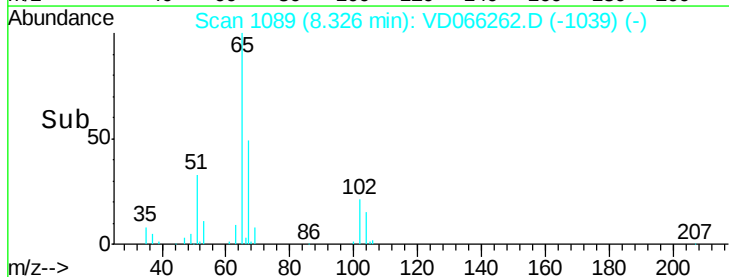
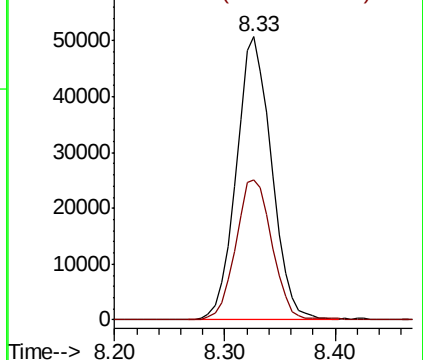


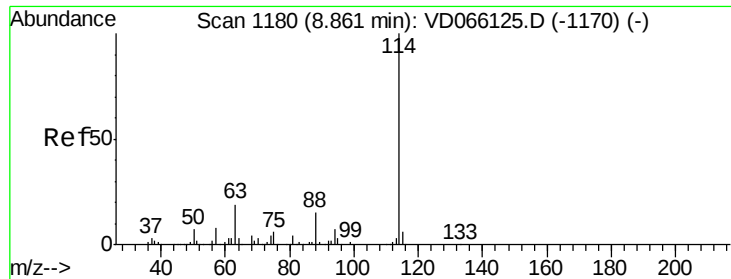
#33
1,2-Dichloroethane-d4
Concen: 48.273 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066262.D
Acq: 17 Aug 2020 17:14

Tgt Ion: 65 Resp: 114003
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.6



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: VD066262.D

Acq: 17 Aug 2020 17:14

Instrument :

MSVOA_D

ClientSampled :

SP1-1

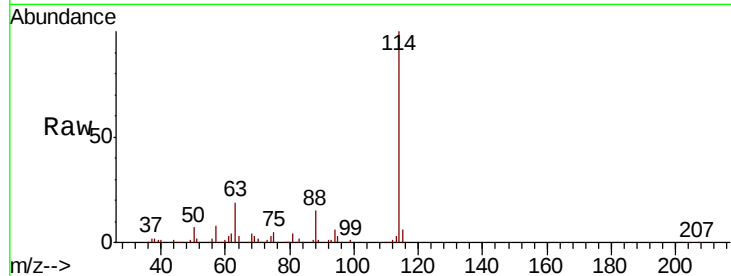
Tot Ion:114 Resp: 425236

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.6

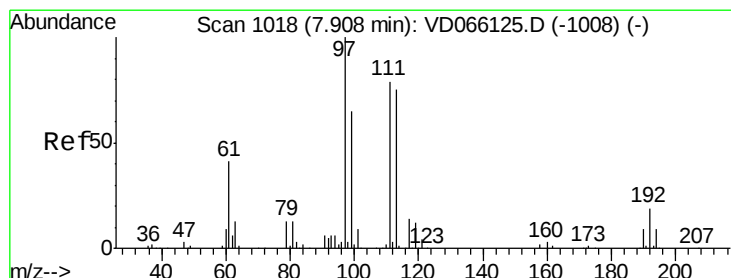
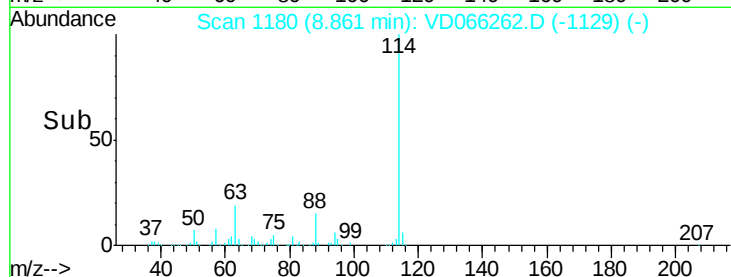
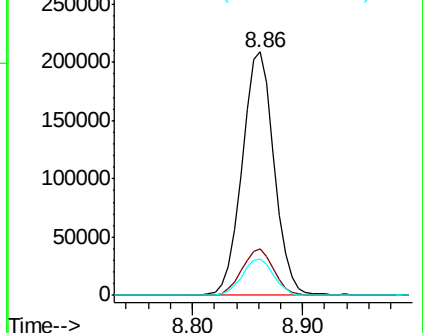
88 14.9 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 48.157 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066262.D

Acq: 17 Aug 2020 17:14

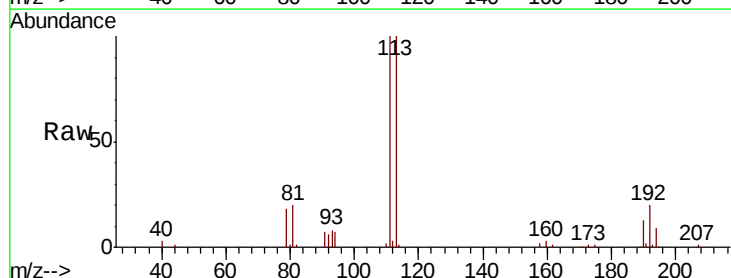
Tgt Ion:113 Resp: 129726

Ion Ratio Lower Upper

113 100

111 102.8 80.7 121.1

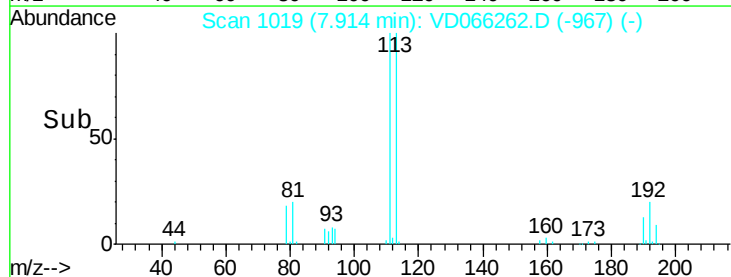
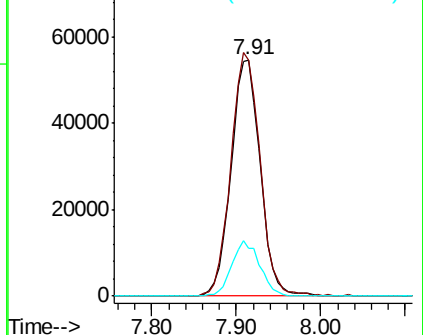
192 22.3 18.4 27.6

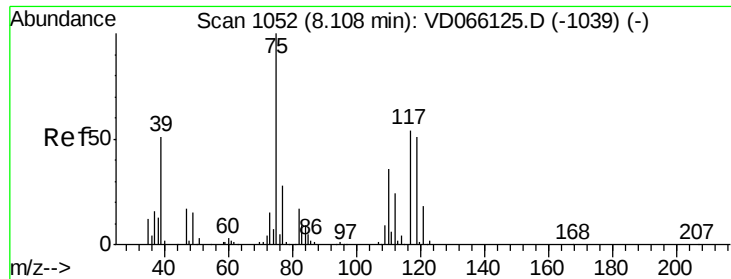


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.318 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066262.D

Acq: 17 Aug 2020 17:14

Instrument :

MSVOA_D

ClientSampled :

SP1-1

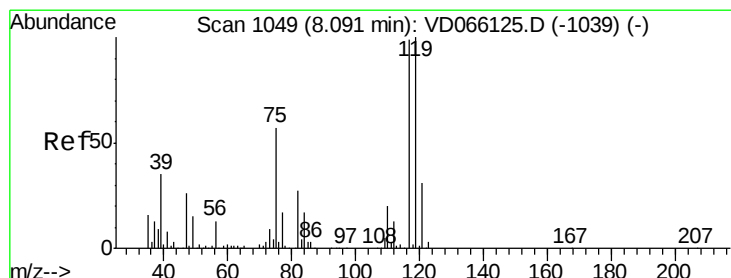
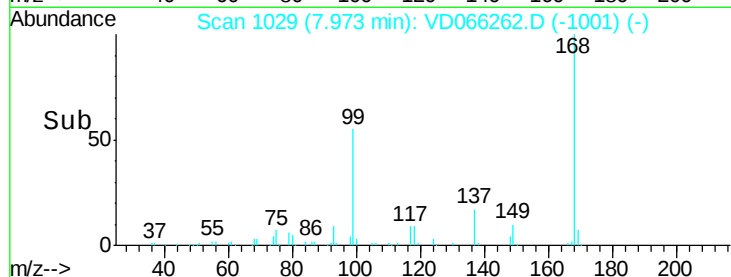
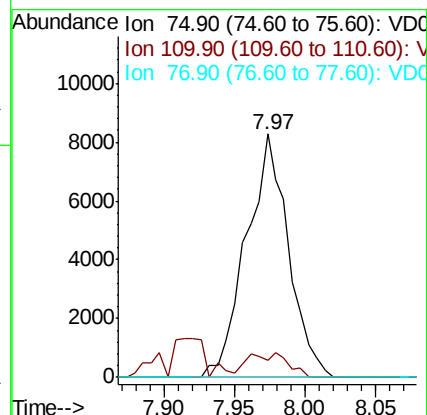
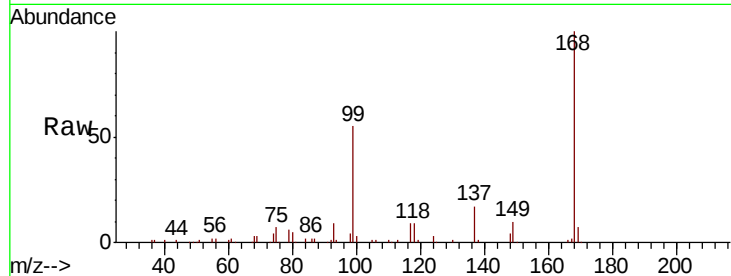
Tot Ion: 75 Resp: 17254

Ion Ratio Lower Upper

75 100

110 9.5 18.8 56.3#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.479 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066262.D

Acq: 17 Aug 2020 17:14

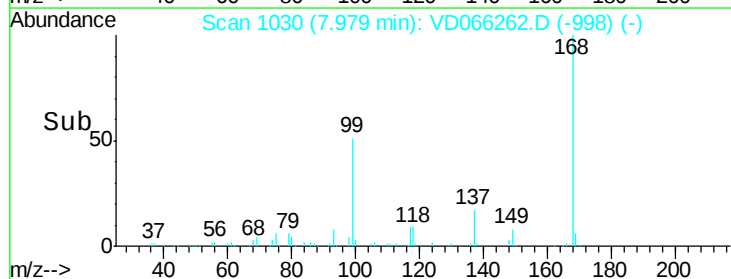
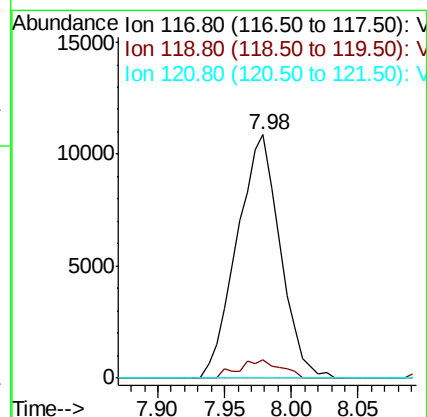
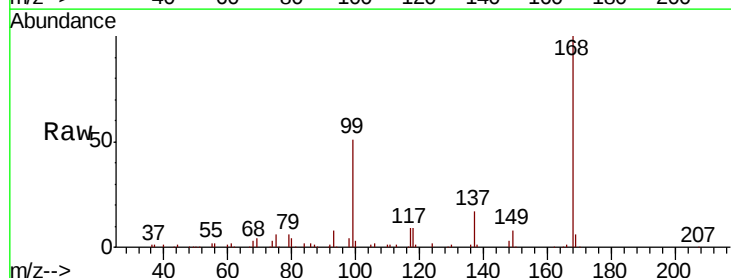
Tgt Ion: 117 Resp: 24414

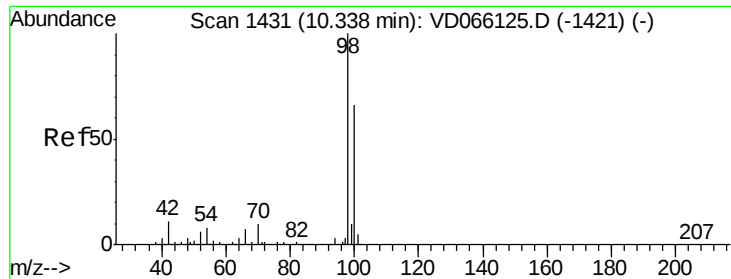
Ion Ratio Lower Upper

117 100

119 7.4 81.0 121.4#

121 0.0 24.8 37.2#

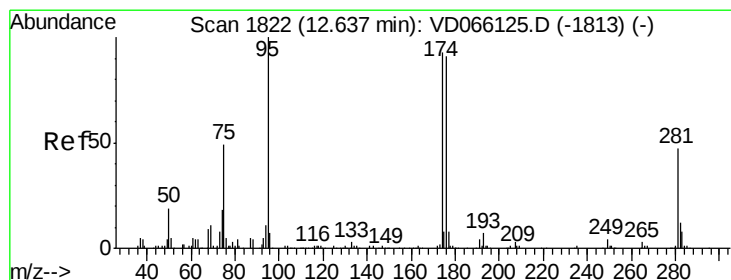
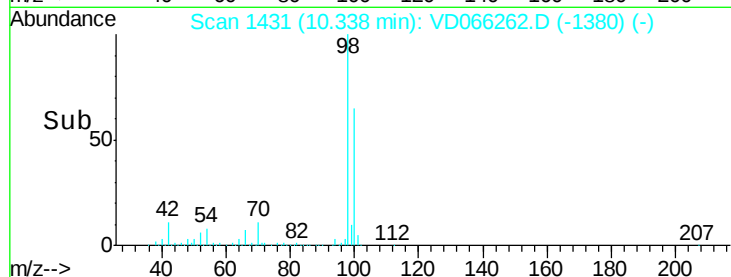
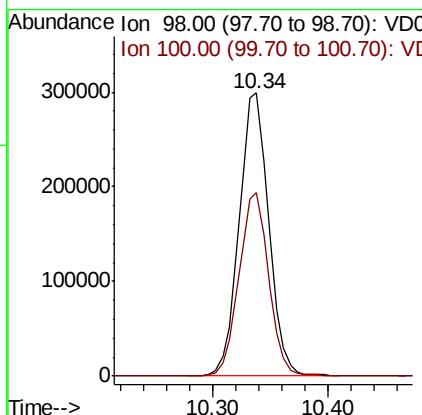
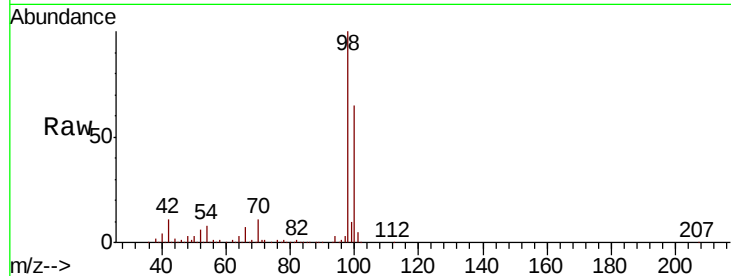




#50
Toluene-d8
Concen: 53.537 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066262.D
Acq: 17 Aug 2020 17:14

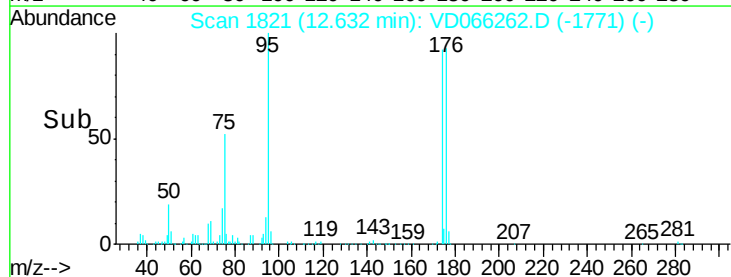
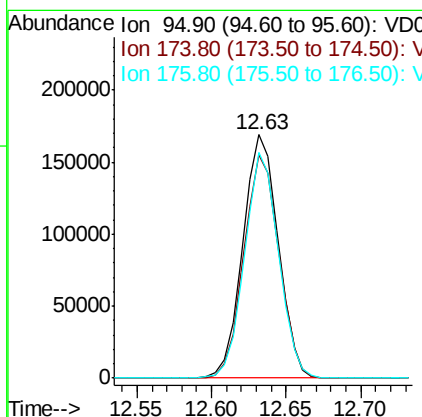
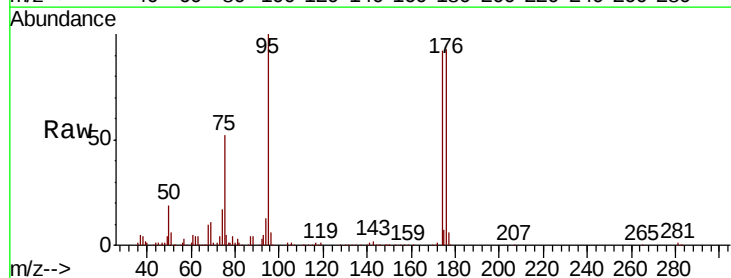
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SP1-1

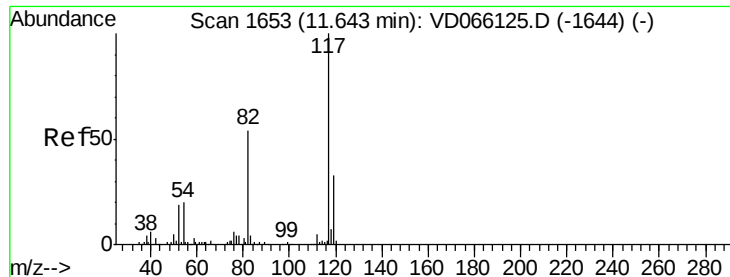
Tot Ion: 98 Resp: 532203
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 77.206 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066262.D
Acq: 17 Aug 2020 17:14

Tgt Ion: 95 Resp: 276652
Ion Ratio Lower Upper
95 100
174 91.1 0.0 180.8
176 88.7 0.0 181.2

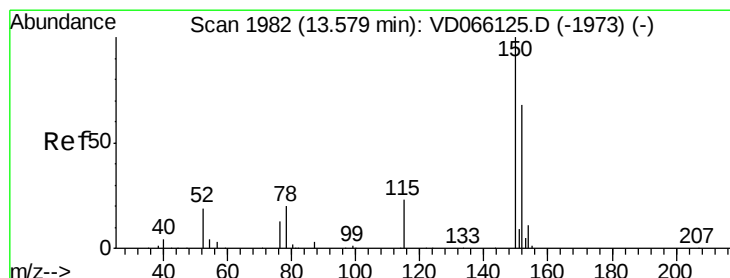
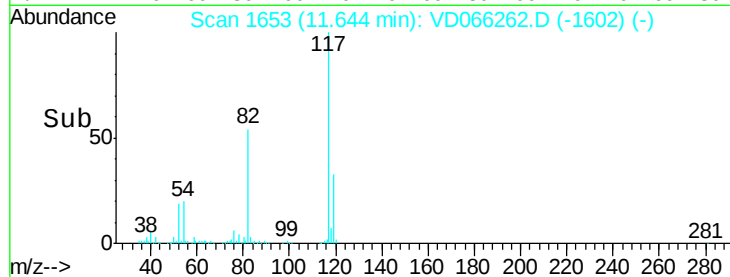
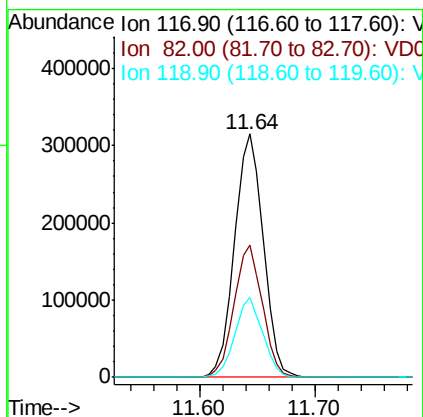
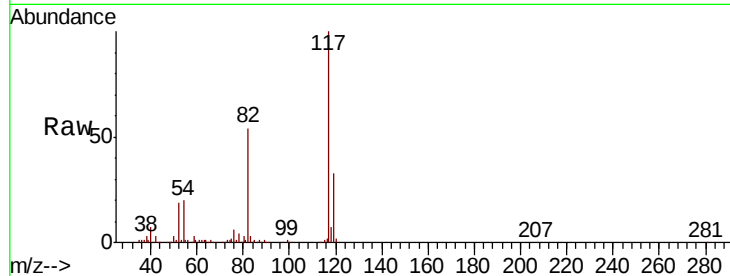




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066262.D
Acq: 17 Aug 2020 17:14

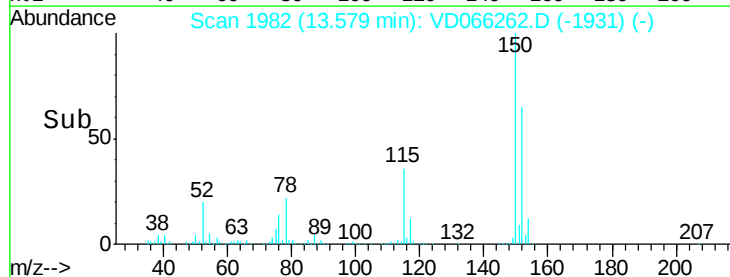
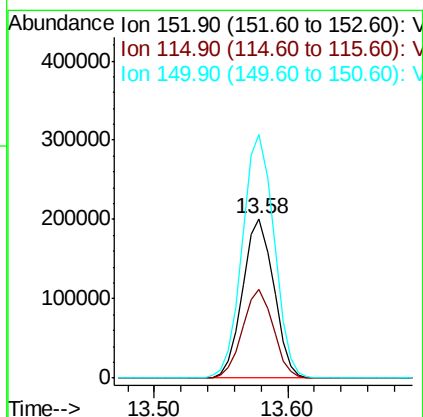
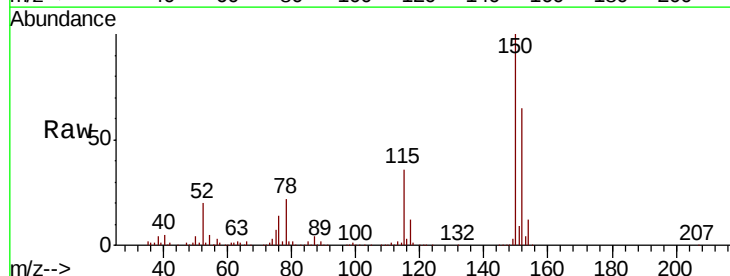
Instrument :
MSVOA_D
ClientSampleId :
SP1-1

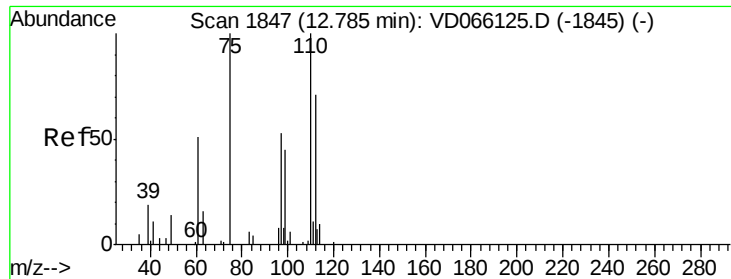
Tot Ion:117 Resp: 543979
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066262.D
Acq: 17 Aug 2020 17:14

Tgt Ion:152 Resp: 323923
Ion Ratio Lower Upper
152 100
115 55.1 28.0 83.9
150 156.1 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 51.364 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066262.D

Acq: 17 Aug 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

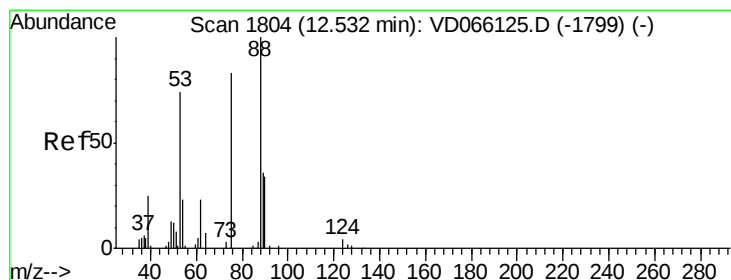
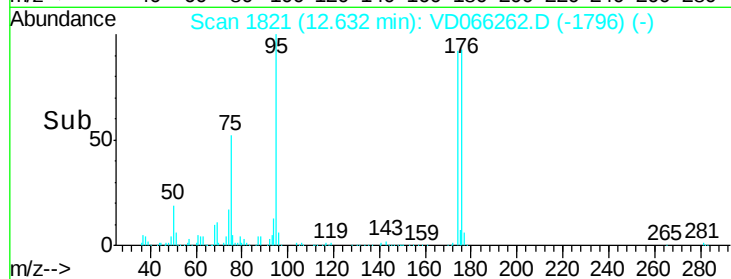
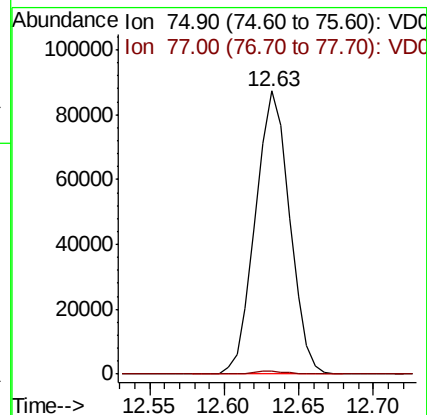
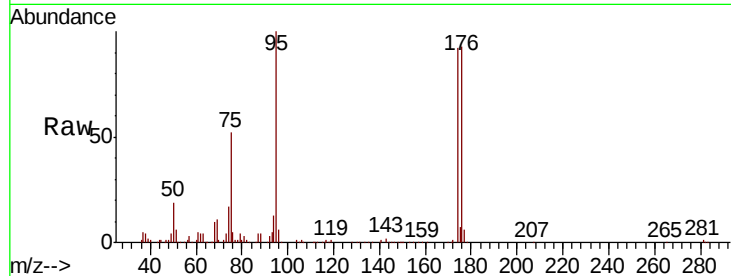
SP1-1

Tot Ion: 75 Resp: 138749

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.543 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066262.D

Acq: 17 Aug 2020 17:14

Tgt Ion: 75 Resp: 138749

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.0 36.6 55.0#

