

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066367.D
 Acq On : 21 Aug 2020 18:46
 Operator : VA/SY
 Sample : L3729-13
 Misc : 4.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(2-3)

Quant Time: Aug 22 02:23:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	214284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	320435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	340064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188390	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	107152	51.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.00%	
35) Dibromofluoromethane	7.91	113	100090	49.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.90%	
50) Toluene-d8	10.34	98	390551	53.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.63	95	158702	61.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	122.02%	

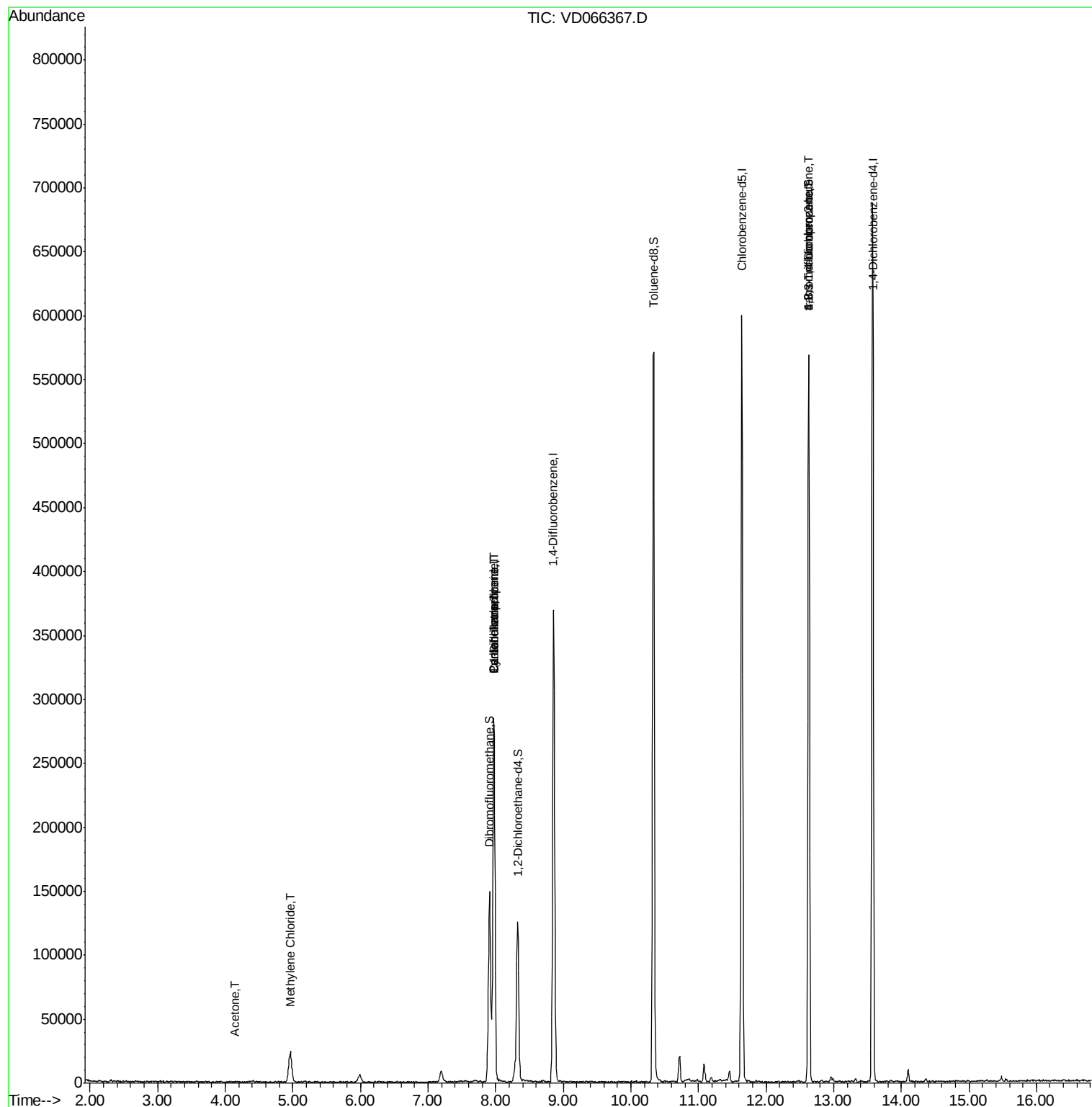
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	273	Below Cal	#	71
16) Acetone	4.15	43	411	1.085	ug/l #	46
20) Methylene Chloride	4.96	84	19084	3.546	ug/l #	92
31) Cyclohexane	7.97	56	4872	1.670	ug/l #	41
36) 1,1-Dichloropropene	7.97	75	15643	5.350	ug/l #	52
38) Carbon Tetrachloride	7.97	117	21417	5.622	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	90193	68.053	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	90193	144.455	ug/l #	6

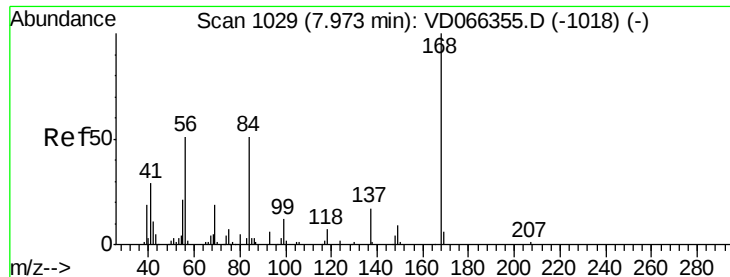
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066367.D

Acq: 21 Aug 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

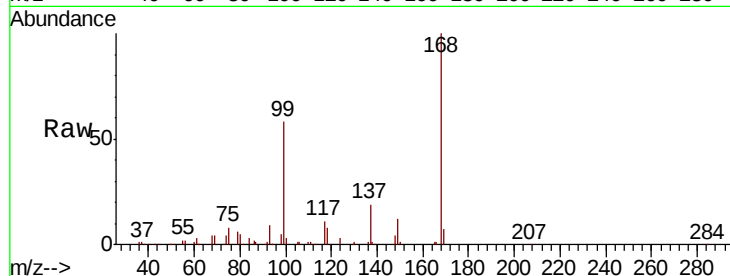
SB-2-(2-3)

Tot Ion:168 Resp: 214284

Ion Ratio Lower Upper

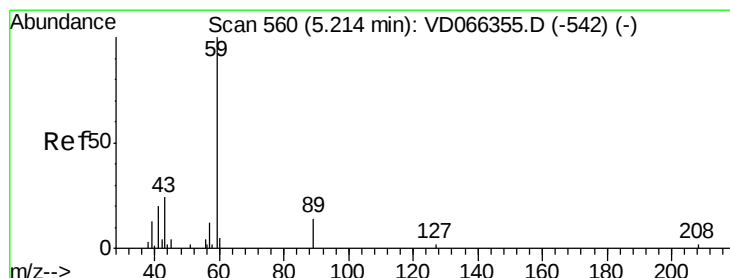
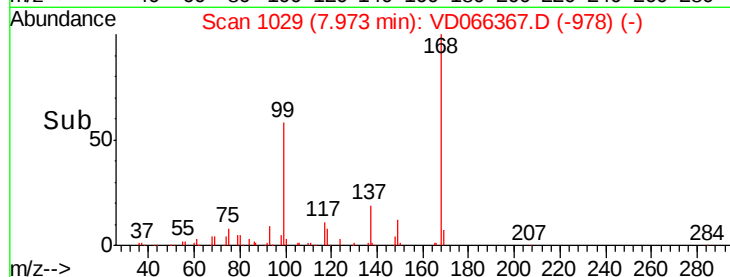
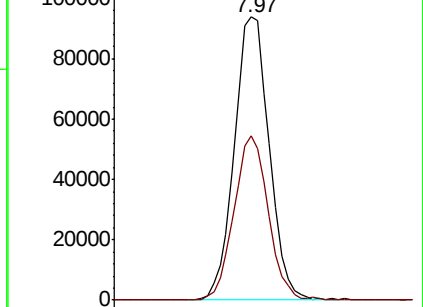
168 100

99 58.3 45.4 68.0



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: 5.18 min Scan# 554

Delta R.T. -0.03 min

Lab File: VD066367.D

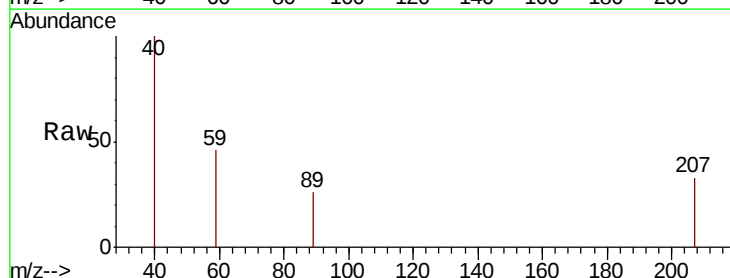
Acq: 21 Aug 2020 18:46

Tgt Ion: 59 Resp: 273

Ion Ratio Lower Upper

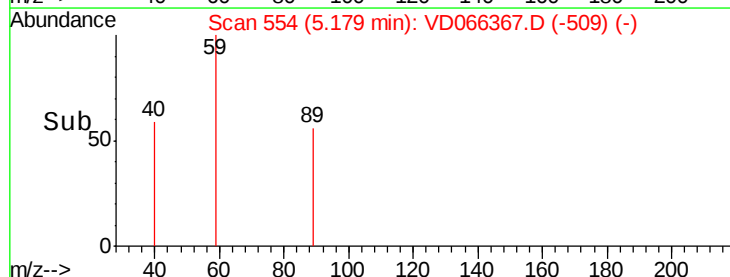
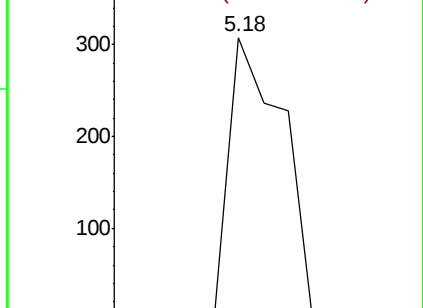
59 100

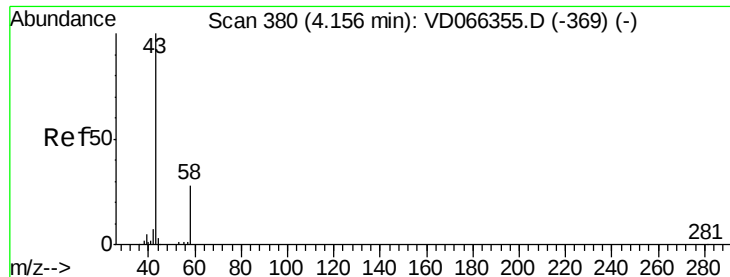
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.085 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066367.D

Acq: 21 Aug 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

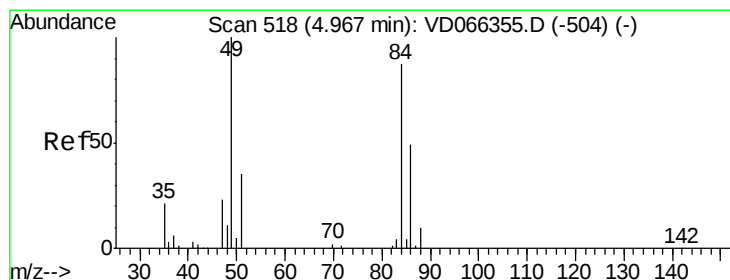
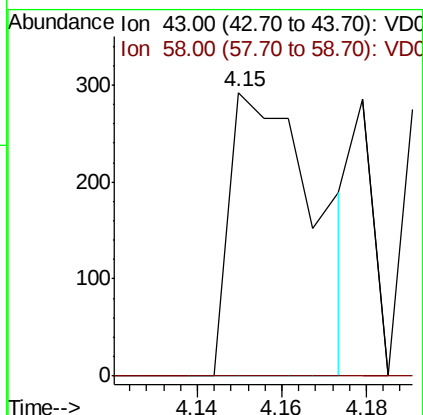
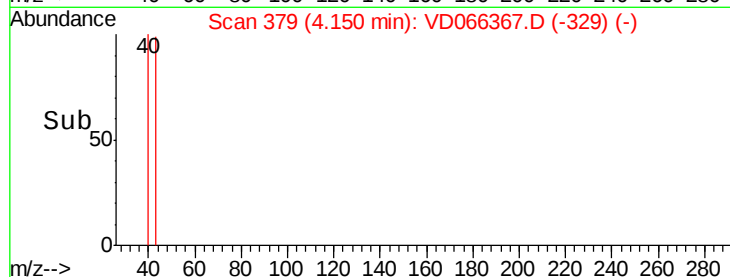
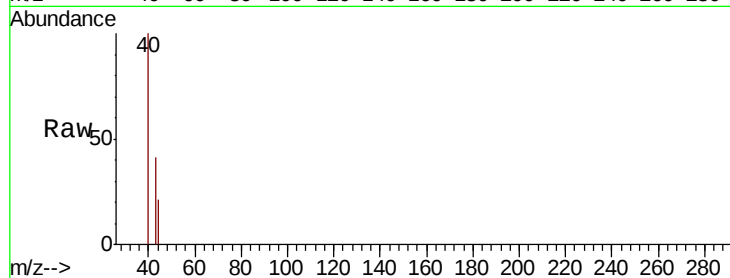
SB-2-(2-3)

Tot Ion: 43 Resp: 411

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: 3.546 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066367.D

Acq: 21 Aug 2020 18:46

Tgt Ion: 84 Resp: 19084

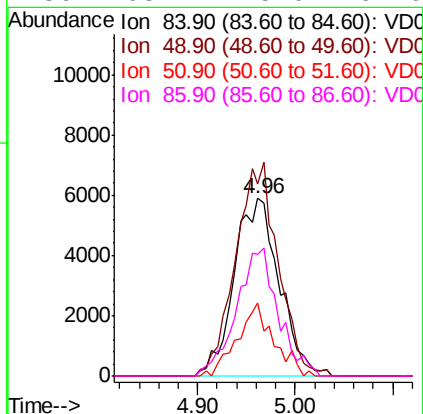
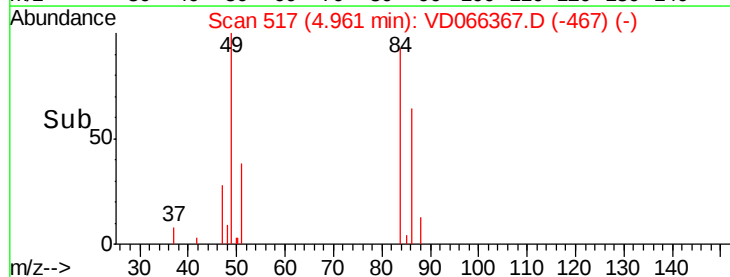
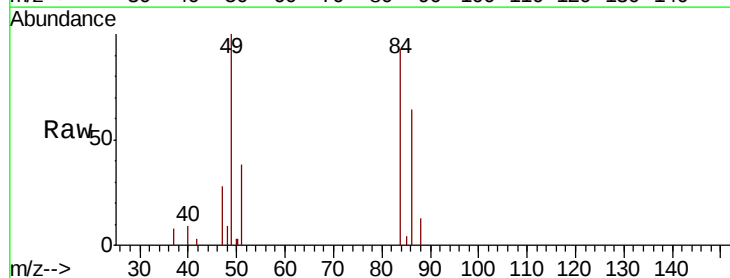
Ion Ratio Lower Upper

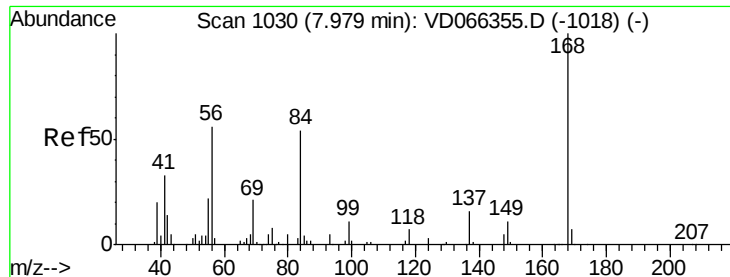
84 100

49 107.7 92.5 138.7

51 41.0 32.5 48.7

86 68.4 45.0 67.6#

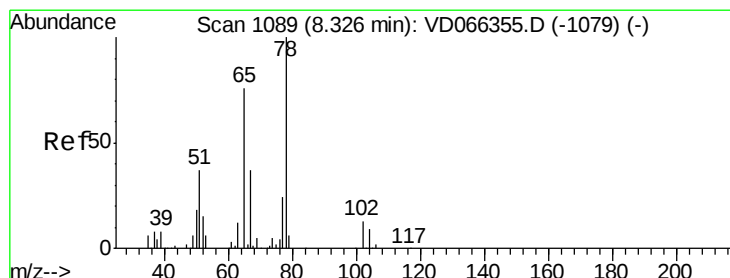
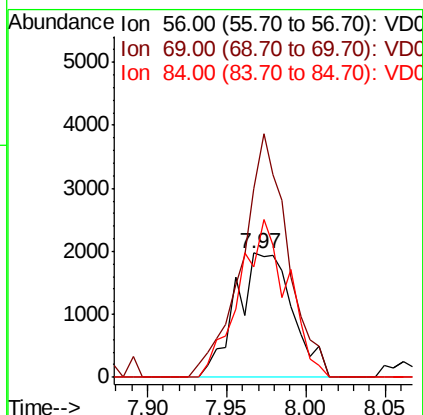
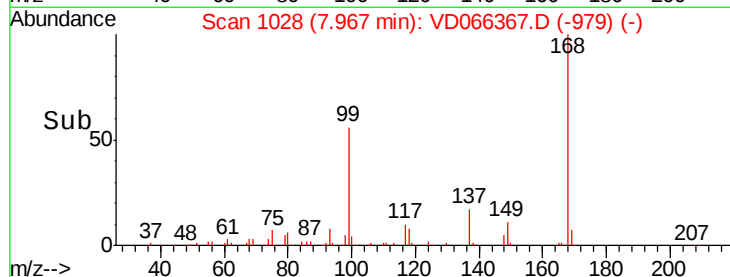
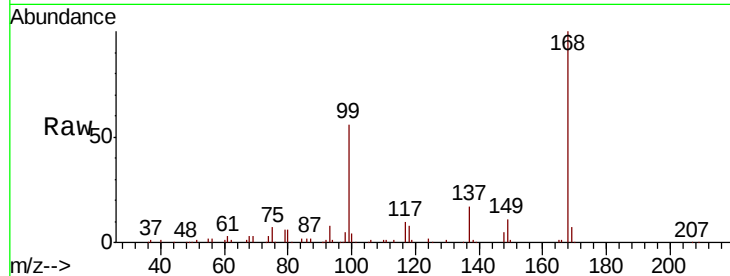




#31
Cyclohexane
Concen: 1.670 ug/l
RT: 7.97 min Scan# 1028
Delta R.T. -0.01 min
Lab File: VD066367.D
Acq: 21 Aug 2020 18:46

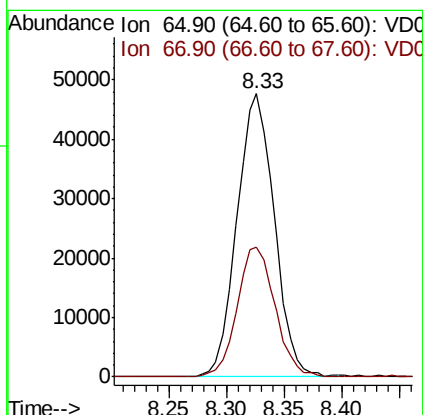
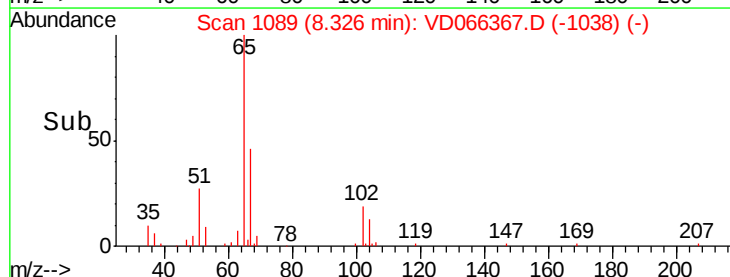
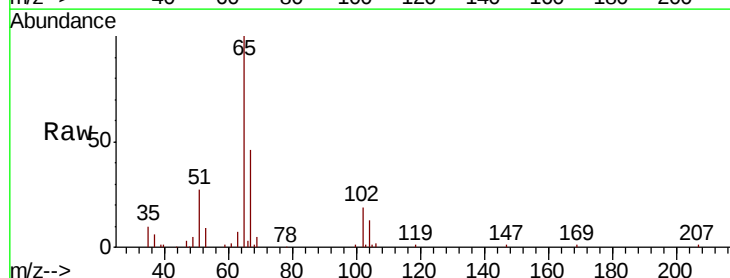
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(2-3)

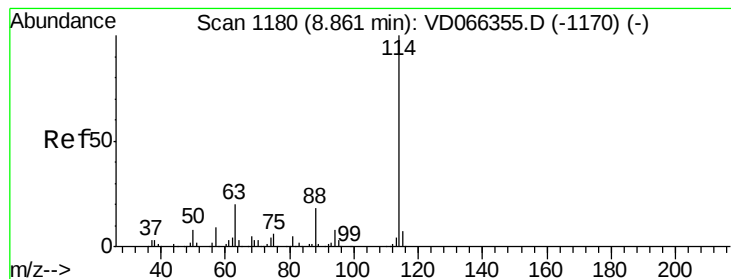
Tot Ion: 56 Resp: 4872
Ion Ratio Lower Upper
56 100
69 151.5 29.6 44.4#
84 88.5 76.6 115.0



#33
1,2-Dichloroethane-d4
Concen: 51.005 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066367.D
Acq: 21 Aug 2020 18:46

Tgt Ion: 65 Resp: 107152
Ion Ratio Lower Upper
65 100
67 46.3 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD066367.D

Acq: 21 Aug 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(2-3)

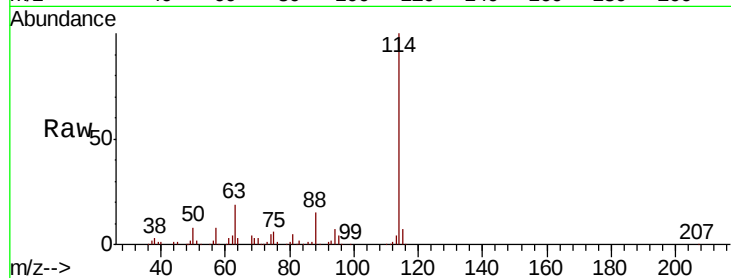
Tot Ion:114 Resp: 320435

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

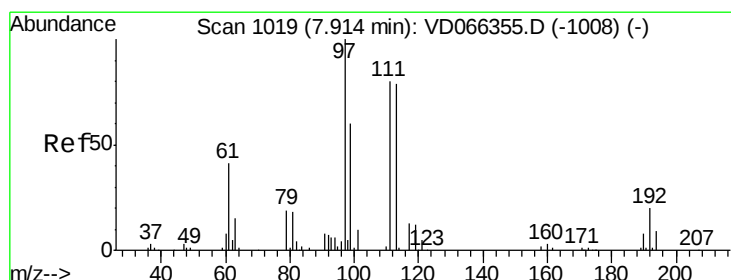
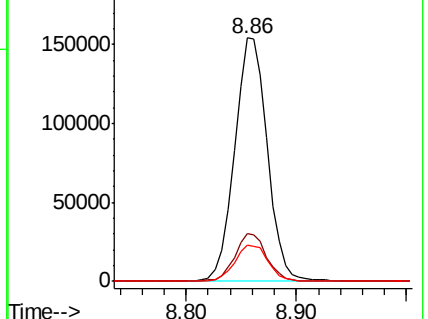
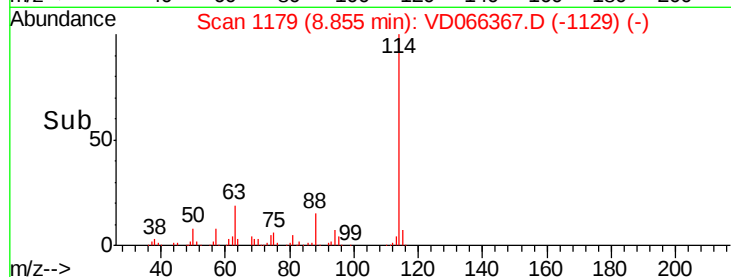
88 15.0 0.0 35.4



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: 49.952 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066367.D

Acq: 21 Aug 2020 18:46

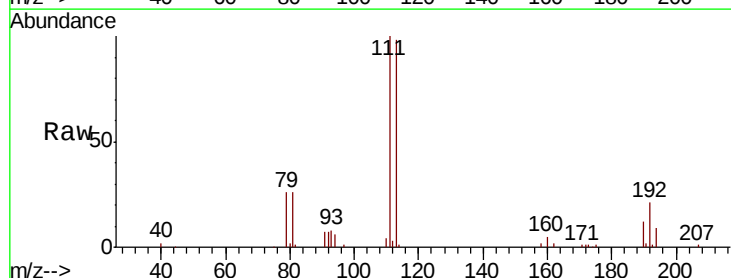
Tgt Ion:113 Resp: 100090

Ion Ratio Lower Upper

113 100

111 102.4 80.3 120.5

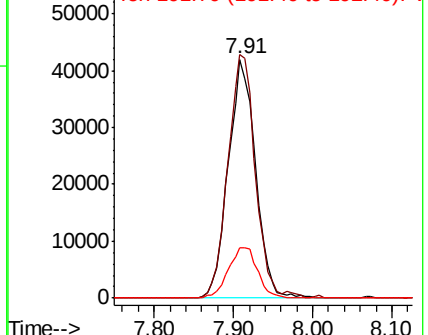
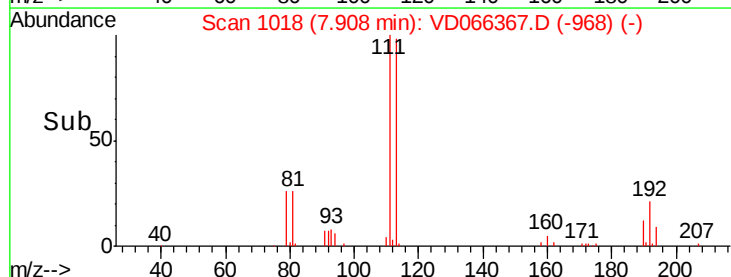
192 22.4 19.0 28.6

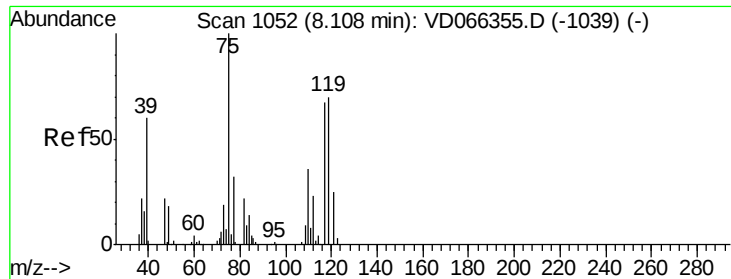


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.350 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066367.D

Acq: 21 Aug 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(2-3)

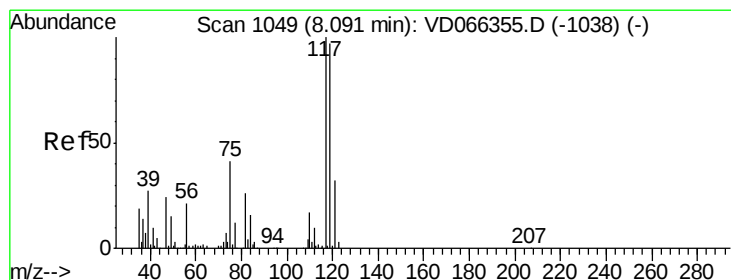
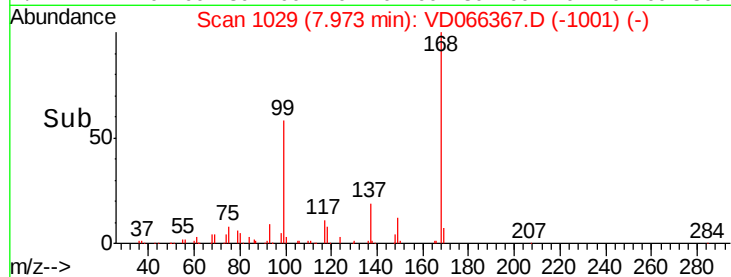
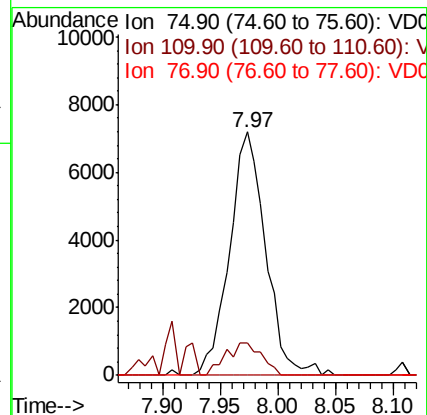
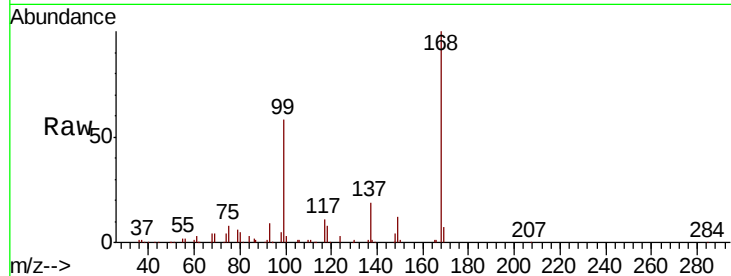
Tot Ion: 75 Resp: 15643

Ion Ratio Lower Upper

75 100

110 13.1 18.7 56.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.622 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066367.D

Acq: 21 Aug 2020 18:46

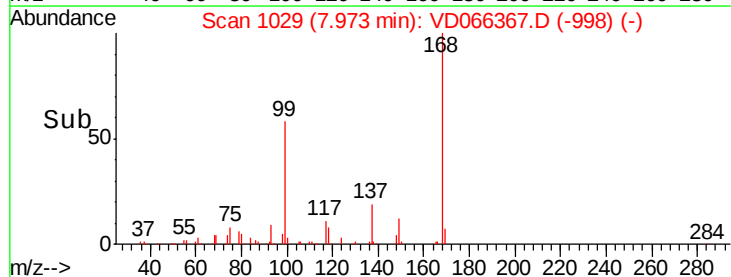
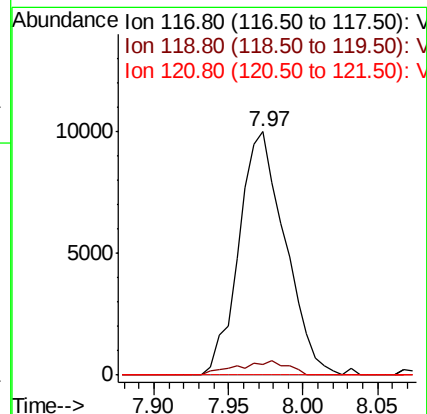
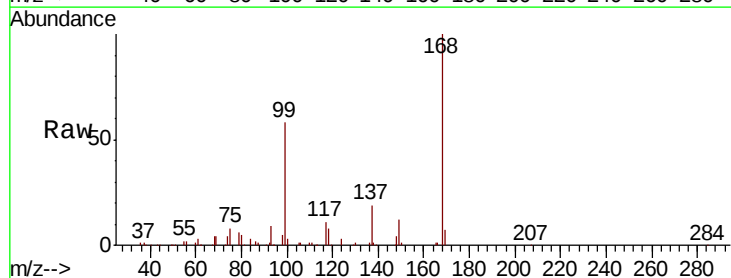
Tgt Ion: 117 Resp: 21417

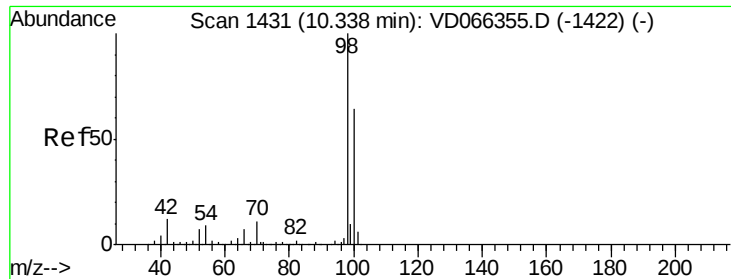
Ion Ratio Lower Upper

117 100

119 4.1 77.2 115.8#

121 0.0 25.8 38.8#

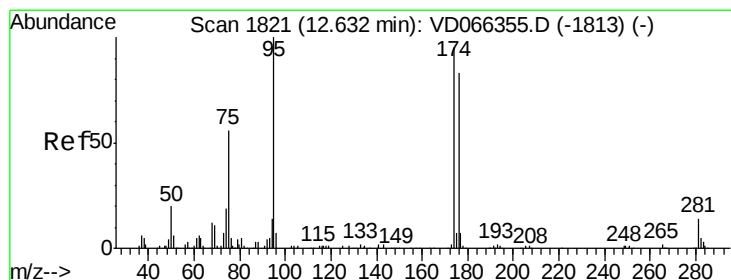
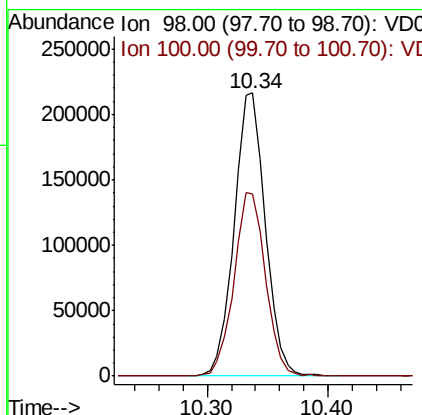
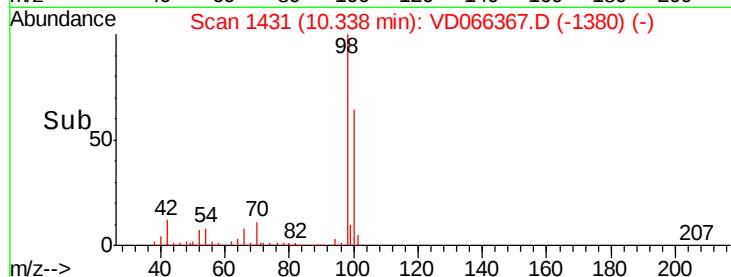
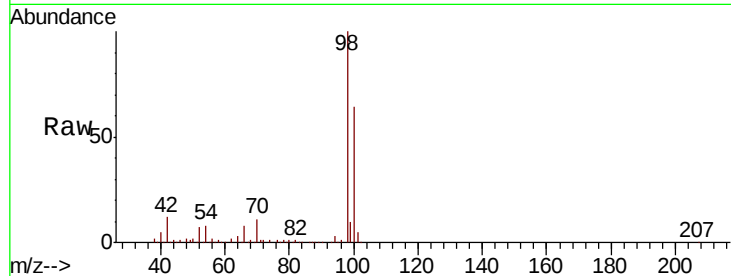




#50
Toluene-d8
Concen: 53.272 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066367.D
Acq: 21 Aug 2020 18:46

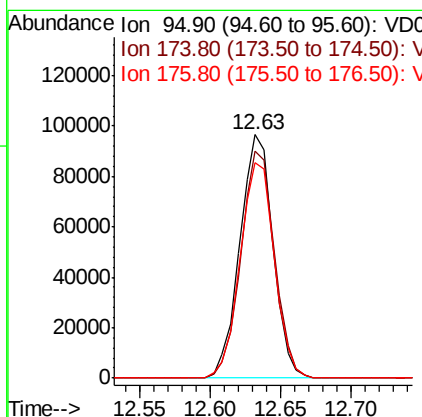
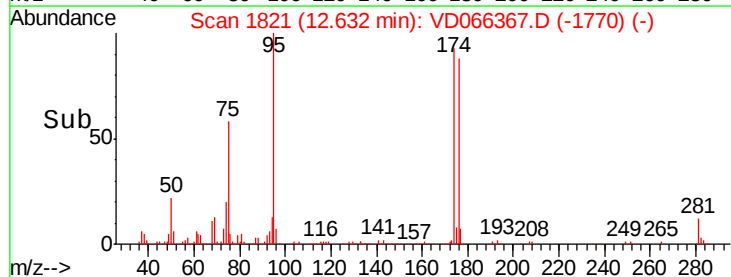
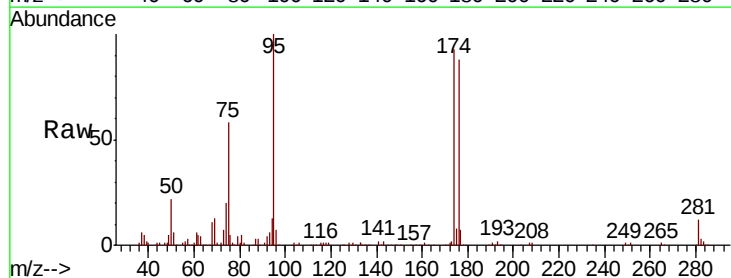
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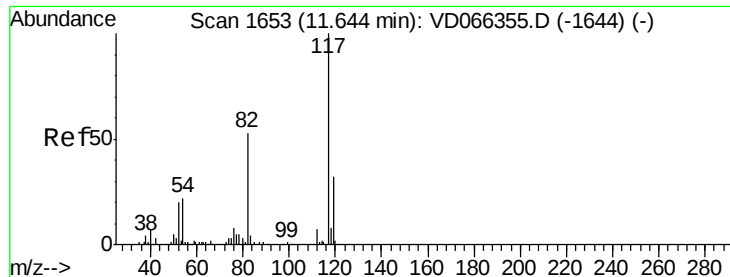
Tot Ion: 98 Resp: 390551
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 61.005 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066367.D
Acq: 21 Aug 2020 18:46

Tgt Ion: 95 Resp: 158702
Ion Ratio Lower Upper
95 100
174 94.6 0.0 183.4
176 91.5 0.0 173.8

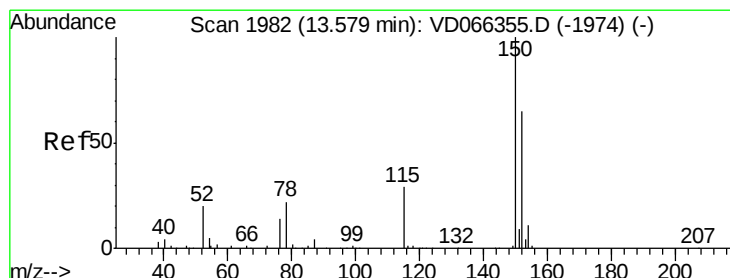
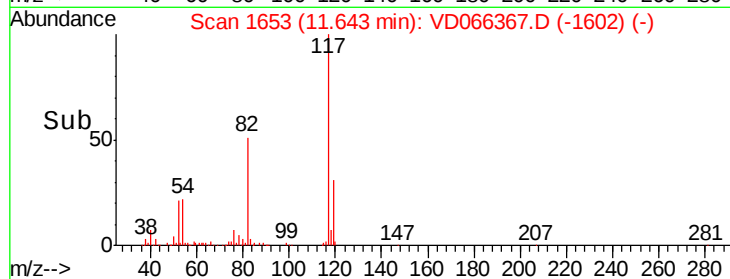
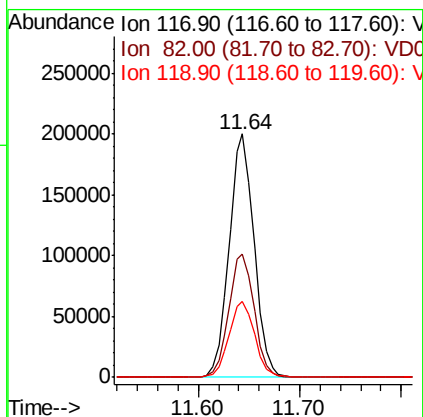
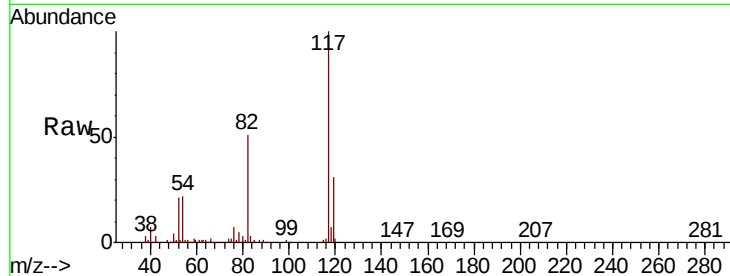




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066367.D
Acq: 21 Aug 2020 18:46

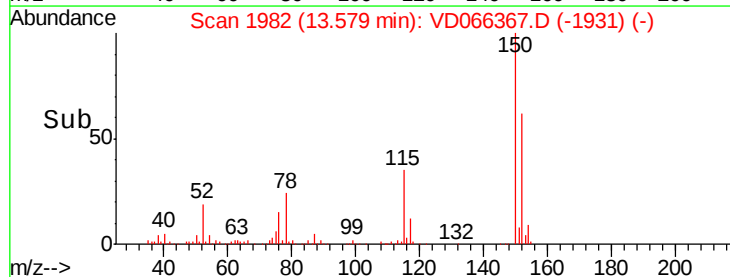
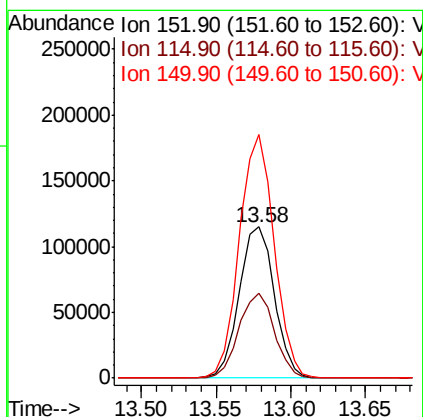
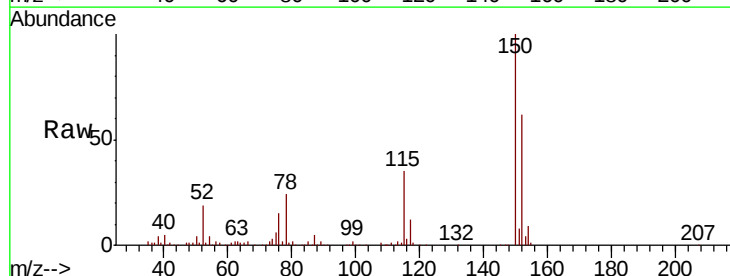
Instrument :
MSVOA_D
ClientSampleId :
SB-2-(2-3)

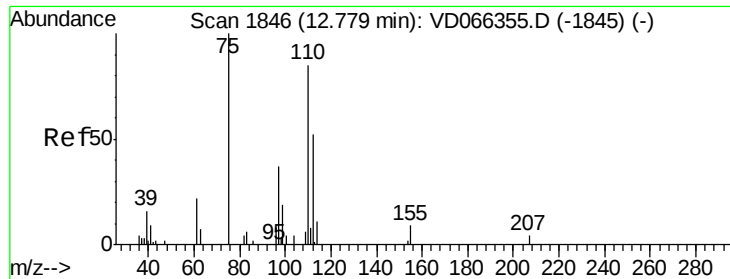
Tot Ion:117 Resp: 340064
Ion Ratio Lower Upper
117 100
82 50.9 42.8 64.2
119 31.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066367.D
Acq: 21 Aug 2020 18:46

Tgt Ion:152 Resp: 188390
Ion Ratio Lower Upper
152 100
115 56.7 28.3 85.0
150 158.3 0.0 343.2





#76

1,2,3-Trichloropropane

Concen: 68.053 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066367.D

Acq: 21 Aug 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

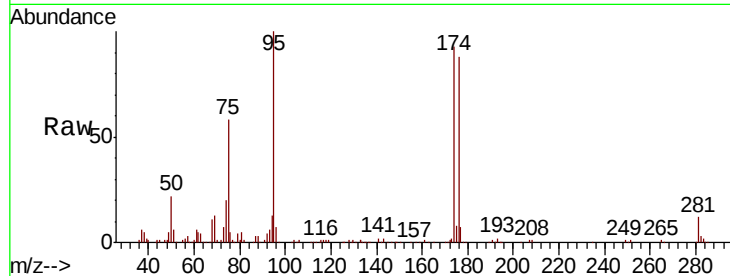
SB-2-(2-3)

Tot Ion: 75 Resp: 90193

Ion Ratio Lower Upper

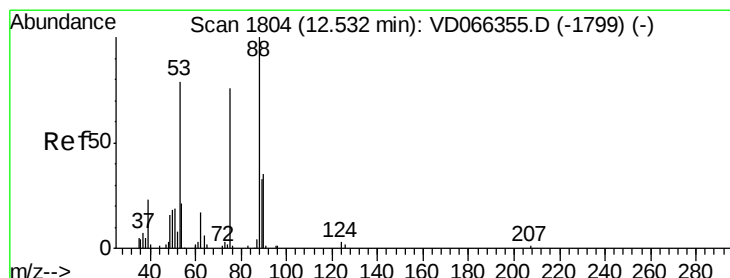
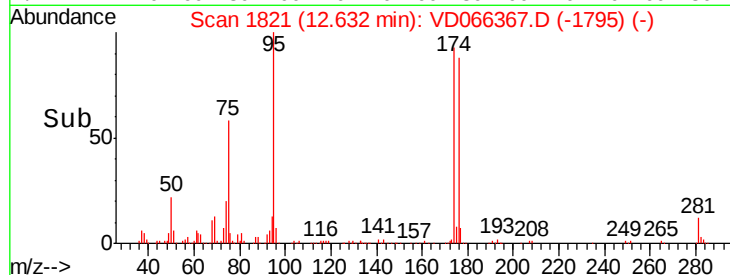
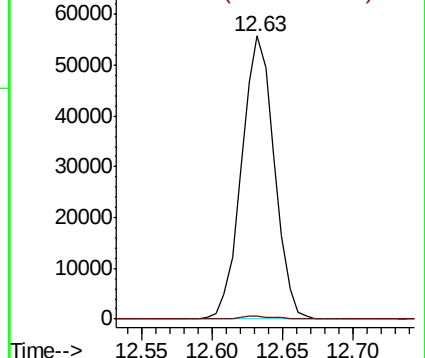
75 100

77 1.0 182.9 548.9#



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: 144.455 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066367.D

Acq: 21 Aug 2020 18:46

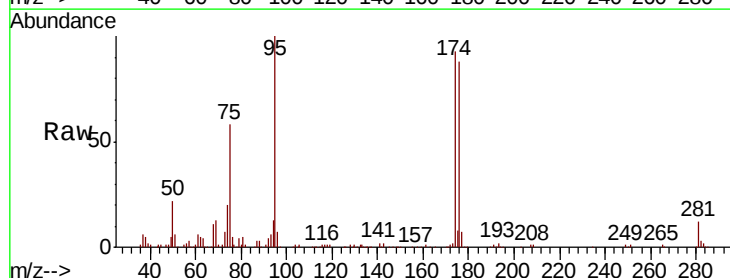
Tgt Ion: 75 Resp: 90193

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.2 39.4 59.0#



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

