

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082820\
 Data File : VD066455.D
 Acq On : 28 Aug 2020 13:05
 Operator : VA/SY
 Sample : L3818-01
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AC-1

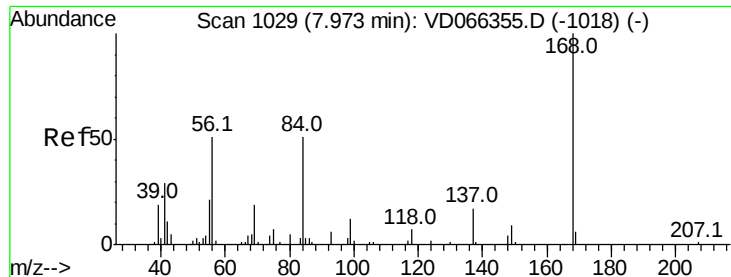
Quant Time: Aug 29 00:45:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	200470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	284652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	257694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	132712	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	111741	56.85	ug/l	0.00
Spiked Amount			Recovery	=	113.70%	
35) Dibromofluoromethane	7.91	113	88513	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	10.34	98	324085	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.63	95	111956	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	597	Below Cal	#	71
16) Acetone	4.16	43	402	1.135	ug/l #	46
20) Methylene Chloride	4.97	84	8043	Below Cal	#	87
25) 2-Butanone	7.20	43	1215	3.020	ug/l #	47
31) Cyclohexane	7.97	56	5402	1.980	ug/l #	34
37) Ethyl Acetate	7.20	43	1215	1.375	ug/l #	1
59) 2-Hexanone	10.96	43	7951	13.142	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	67108	71.878	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	67108	152.574	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

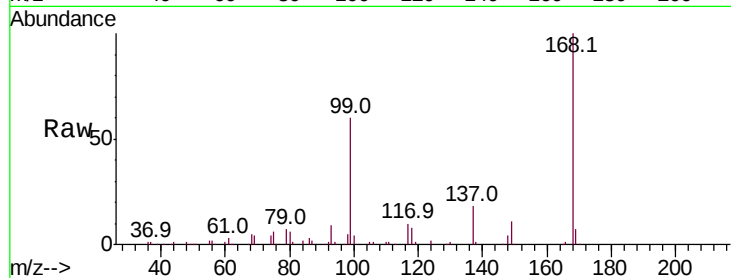
AC-1

Tot Ion:168 Resp: 200470

Ion Ratio Lower Upper

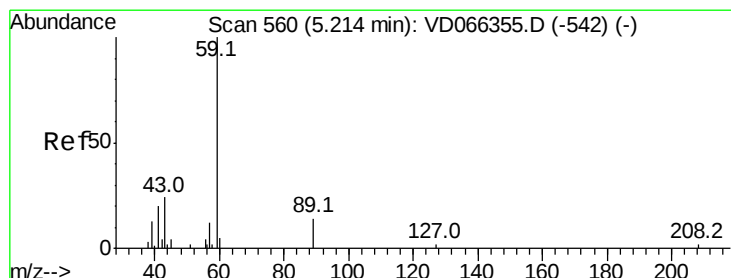
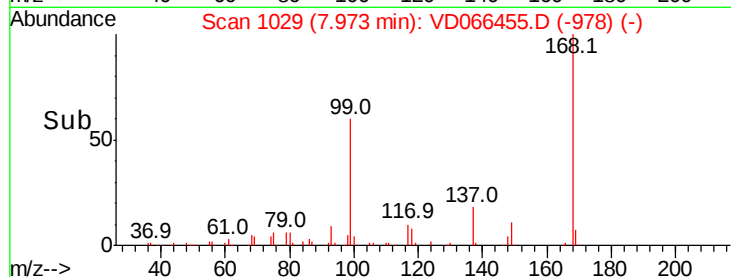
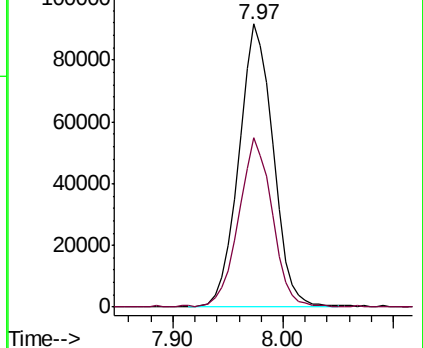
168 100

99 59.7 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: 5.17 min Scan# 552

Delta R.T. -0.05 min

Lab File: VD066455.D

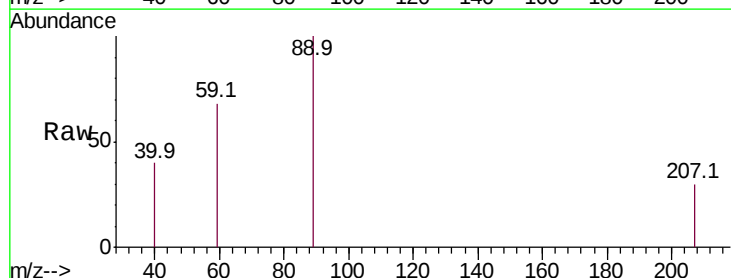
Acq: 28 Aug 2020 13:05

Tgt Ion: 59 Resp: 597

Ion Ratio Lower Upper

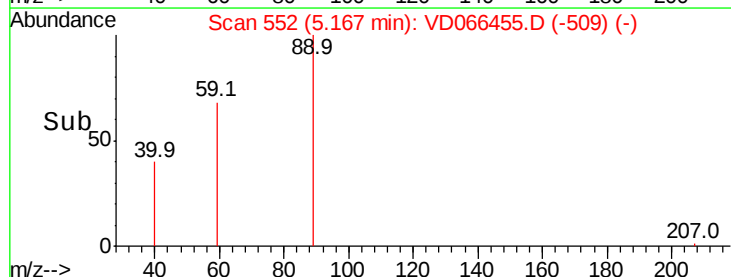
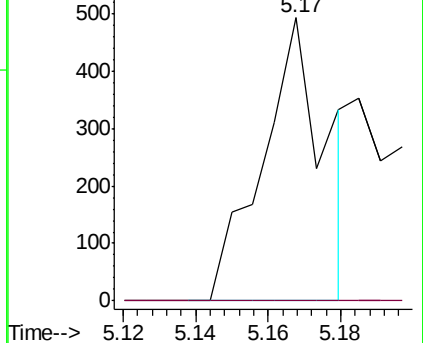
59 100

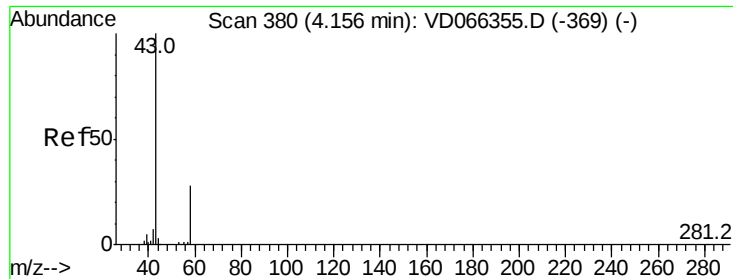
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.135 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

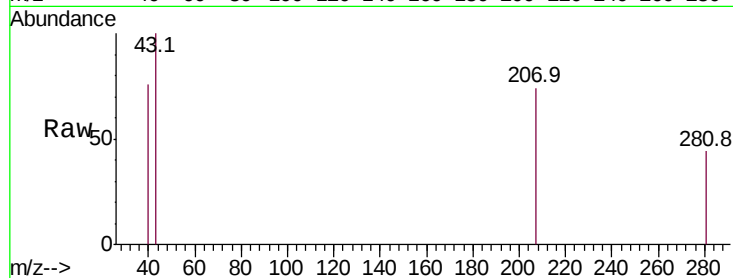
AC-1

Tot Ion: 43 Resp: 402

Ion Ratio Lower Upper

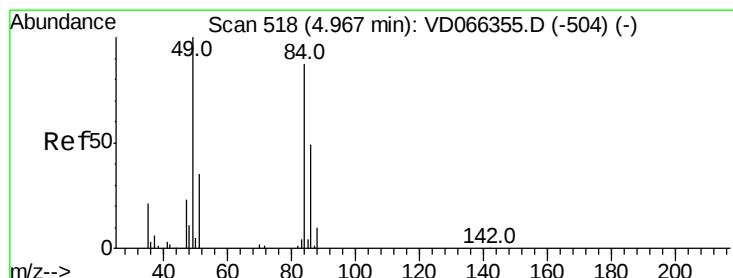
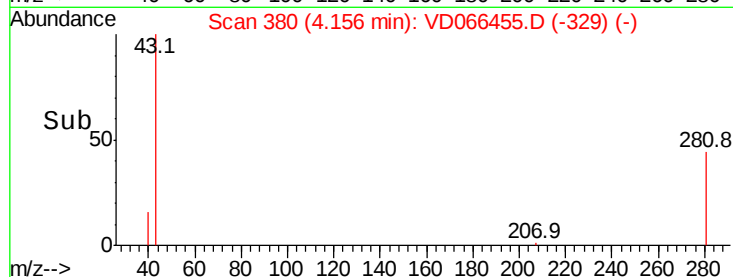
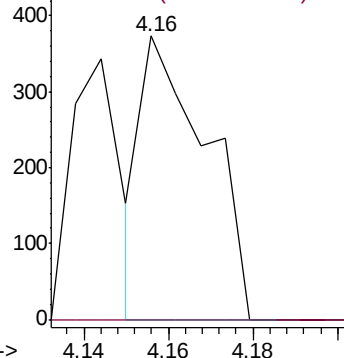
43 100

58 0.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

Tgt Ion: 84 Resp: 8043

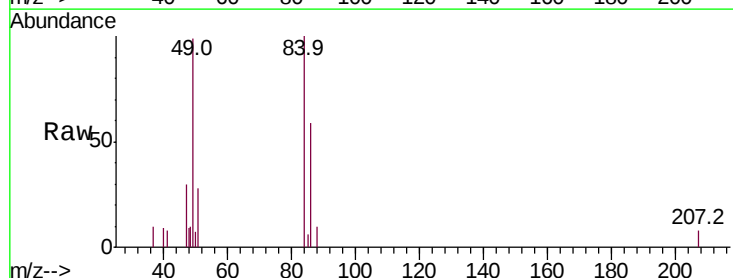
Ion Ratio Lower Upper

84 100

49 99.4 92.5 138.7

51 28.2 32.5 48.7#

86 59.3 45.0 67.6

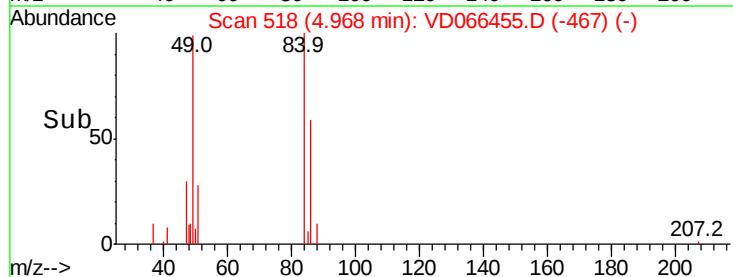
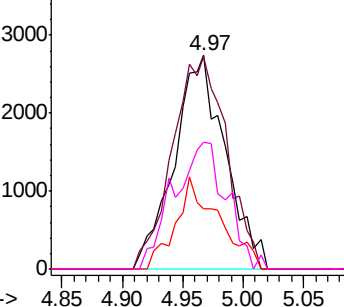


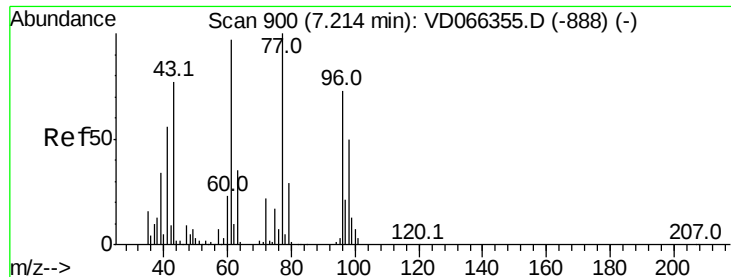
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 3.020 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

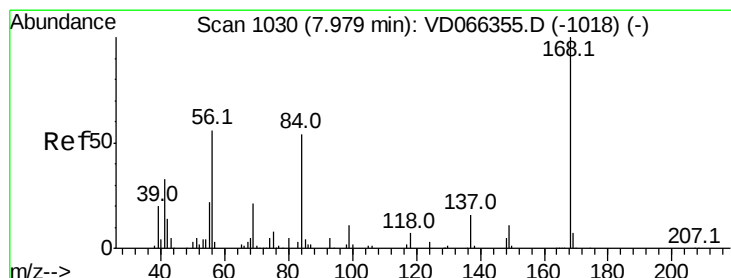
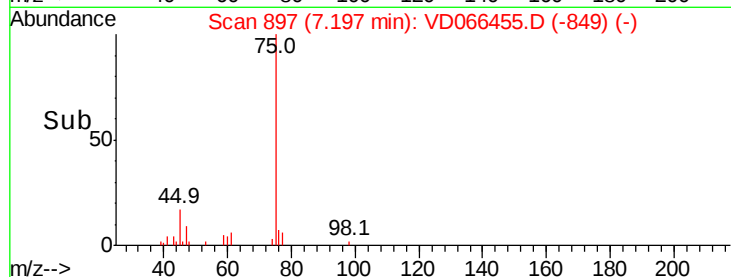
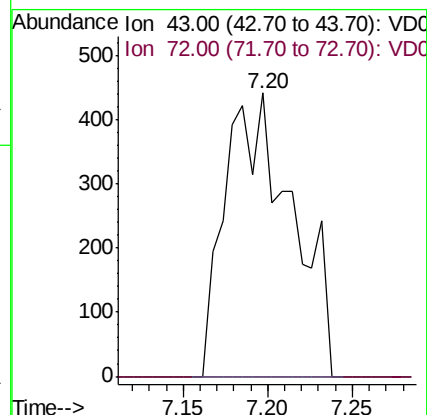
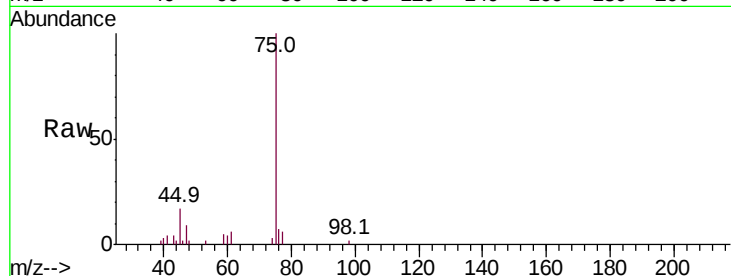
AC-1

Tot Ion: 43 Resp: 1215

Ion Ratio Lower Upper

43 100

72 0.0 22.5 33.7#



#31

Cyclohexane

Concen: 1.980 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

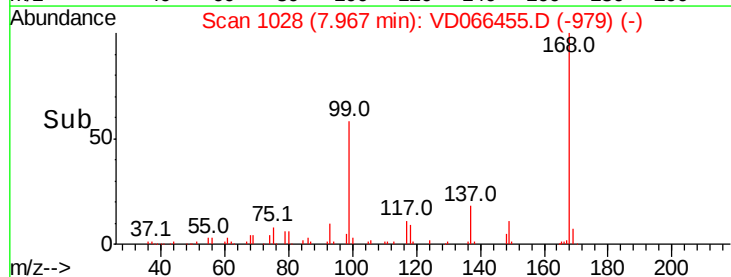
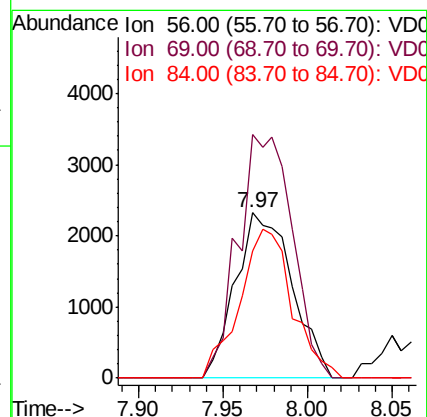
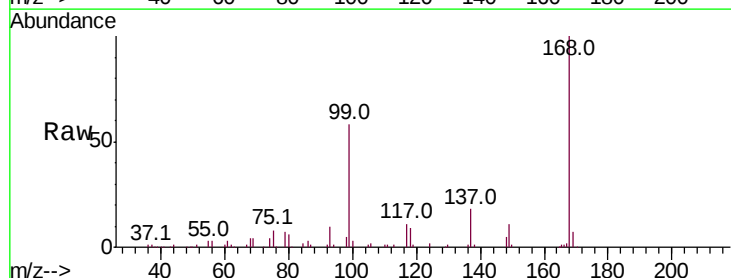
Tgt Ion: 56 Resp: 5402

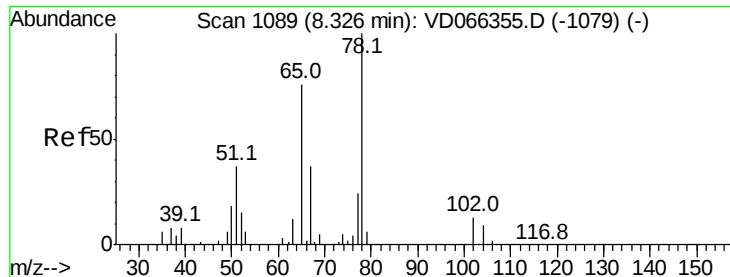
Ion Ratio Lower Upper

56 100

69 147.5 29.6 44.4#

84 77.1 76.6 115.0

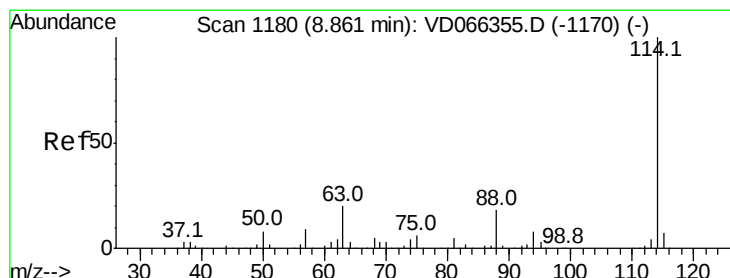
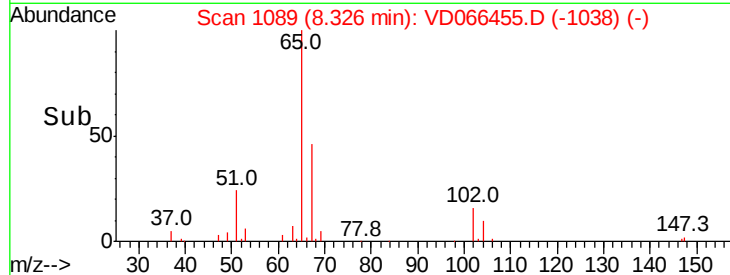
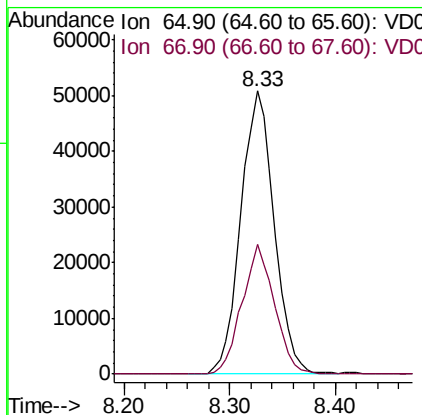
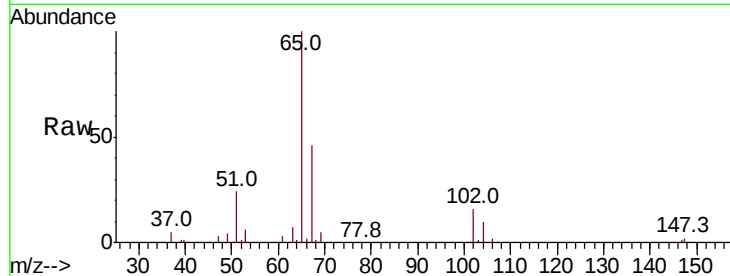




#33
 1,2-Dichloroethane-d4
 Concen: 56.854 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066455.D
 Acq: 28 Aug 2020 13:05

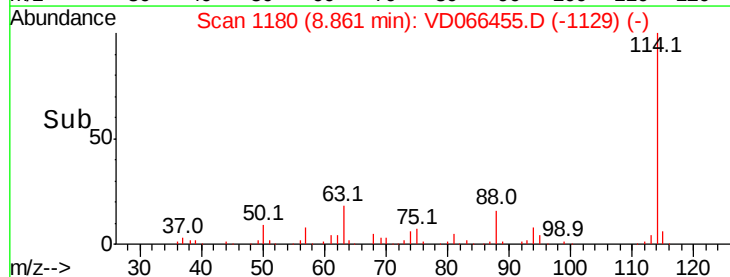
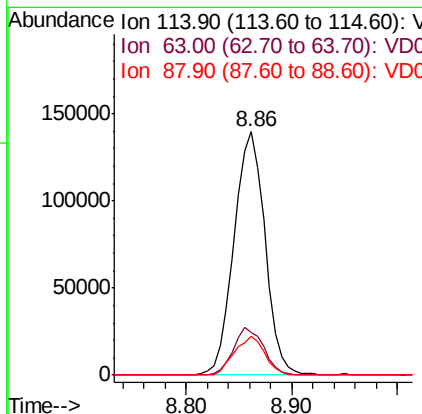
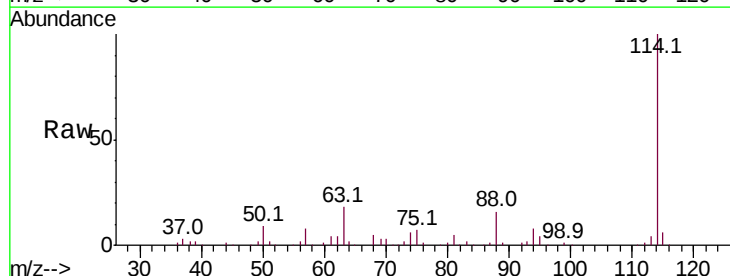
Instrument :
 MSVOA_D
 ClientSampled :
 AC-1

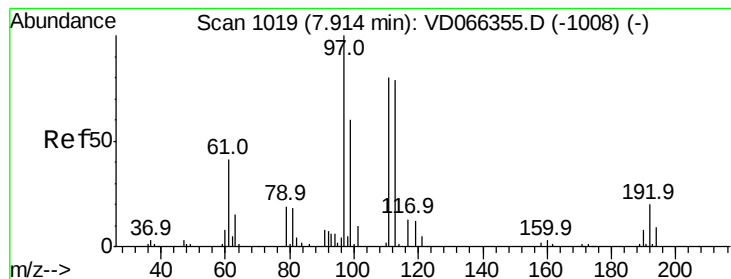
Tot Ion: 65 Resp: 111741
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066455.D
 Acq: 28 Aug 2020 13:05

Tgt Ion:114 Resp: 284652
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 40.8
 88 15.7 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.728 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

AC-1

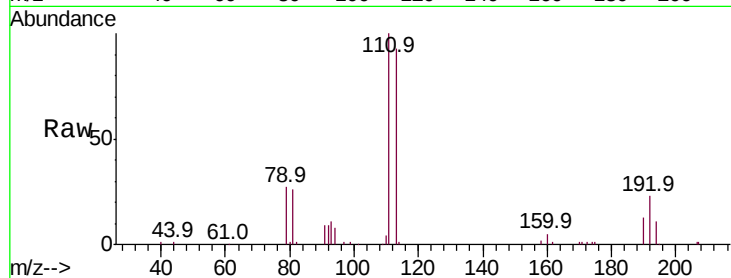
Tot Ion:113 Resp: 88513

Ion Ratio Lower Upper

113 100

111 103.7 80.3 120.5

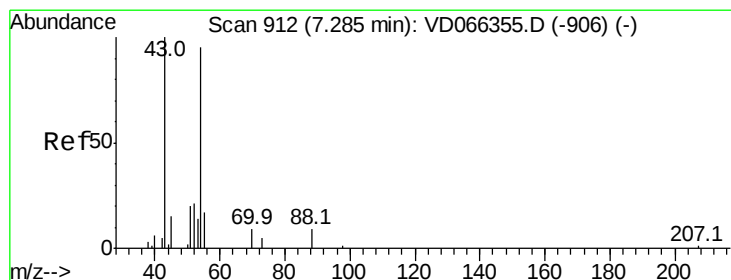
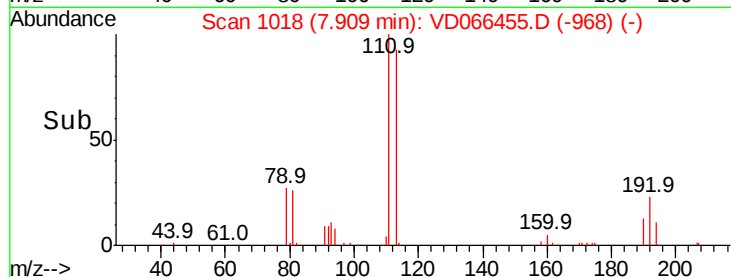
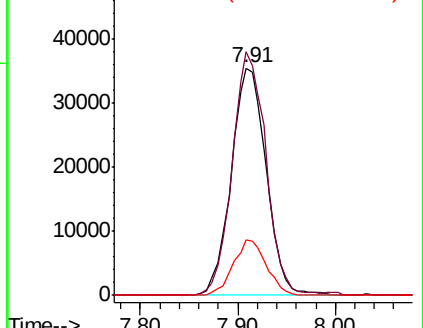
192 22.9 19.0 28.6



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



#37

Ethyl Acetate

Concen: 1.375 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.09 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

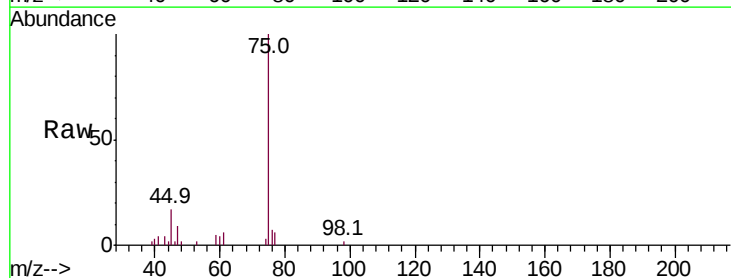
Tgt Ion: 43 Resp: 1215

Ion Ratio Lower Upper

43 100

61 110.1 13.3 19.9#

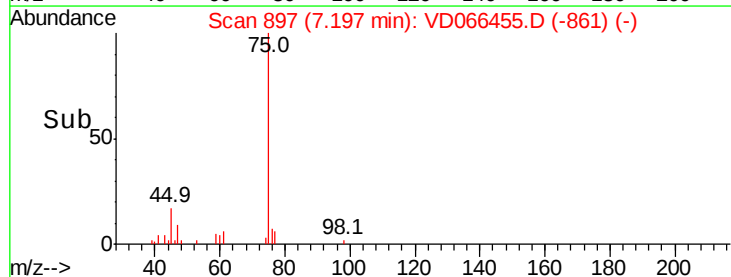
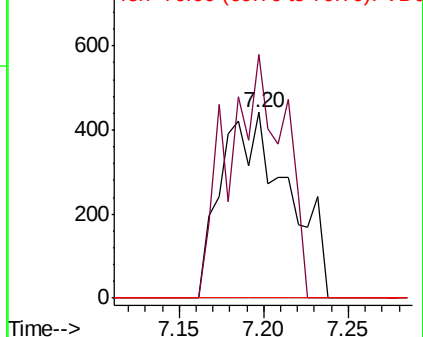
70 0.0 3.5 5.3#

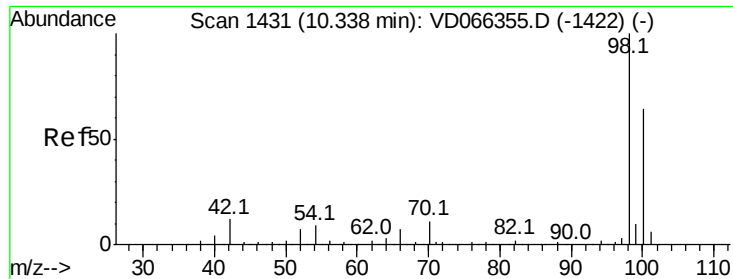


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC

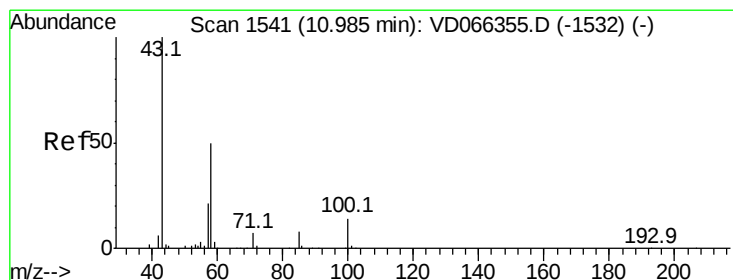
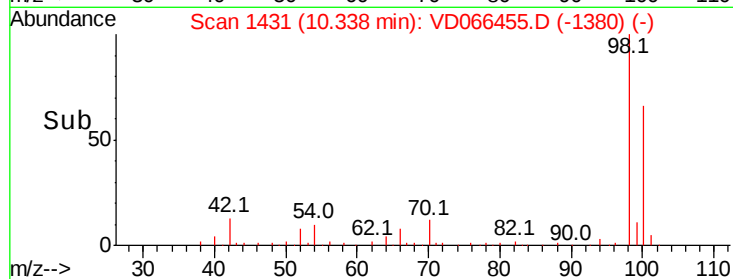
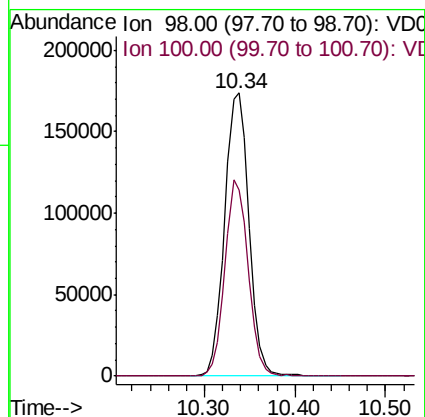
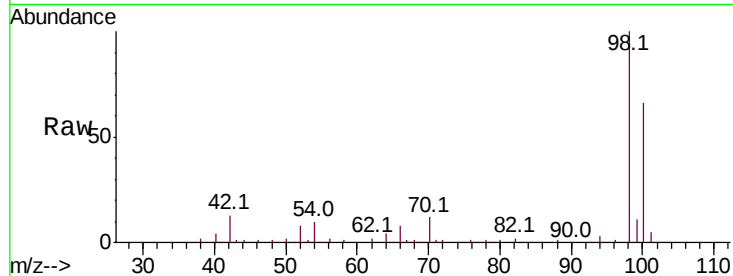




#50
Toluene-d8
Concen: 49.763 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066455.D
Acq: 28 Aug 2020 13:05

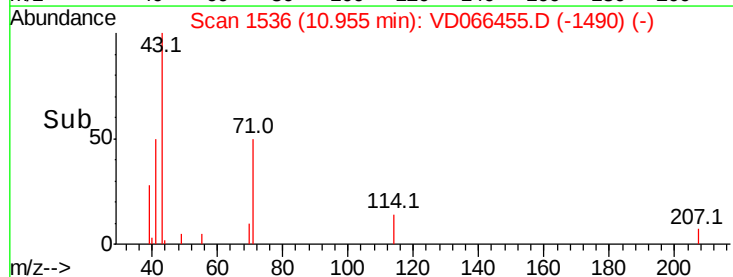
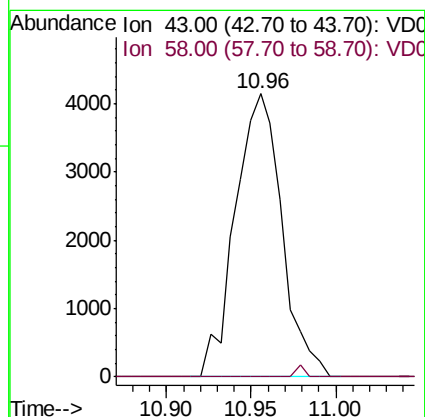
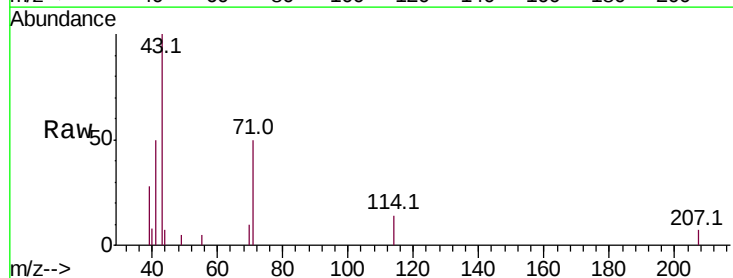
Instrument :
MSVOA_D
ClientSampleId :
AC-1

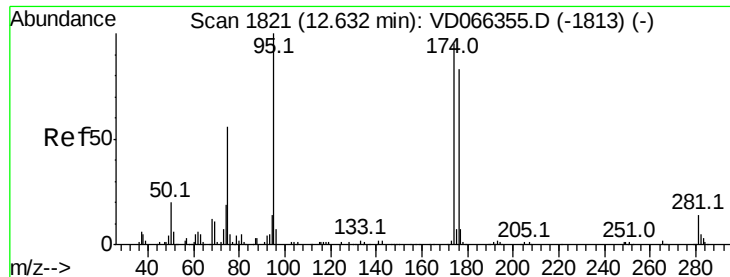
Tot Ion: 98 Resp: 324085
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#59
2-Hexanone
Concen: 13.142 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.03 min
Lab File: VD066455.D
Acq: 28 Aug 2020 13:05

Tgt Ion: 43 Resp: 7951
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.8#





#62

4-Bromofluorobenzene

Concen: 48.446 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

AC-1

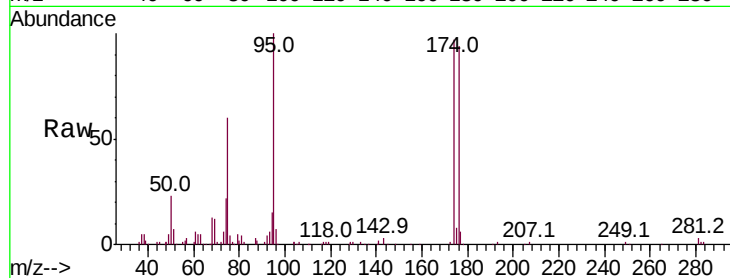
Tot Ion: 95 Resp: 111956

Ion Ratio Lower Upper

95 100

174 96.4 0.0 183.4

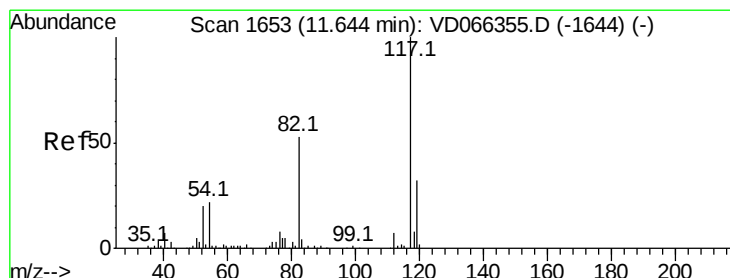
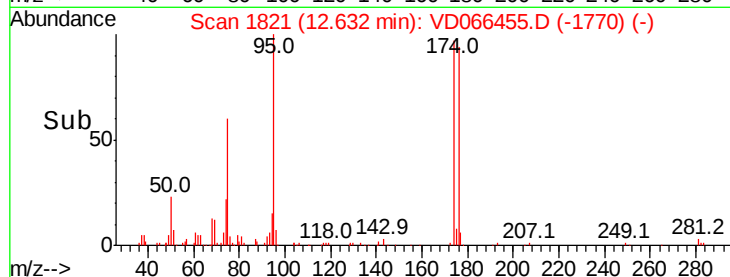
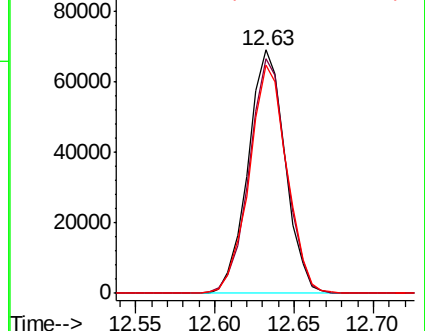
176 95.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

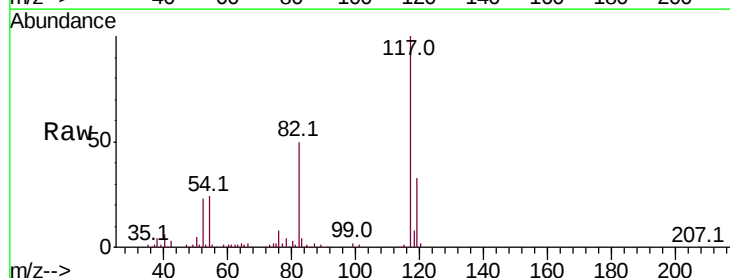
Tgt Ion: 117 Resp: 257694

Ion Ratio Lower Upper

117 100

82 49.9 42.8 64.2

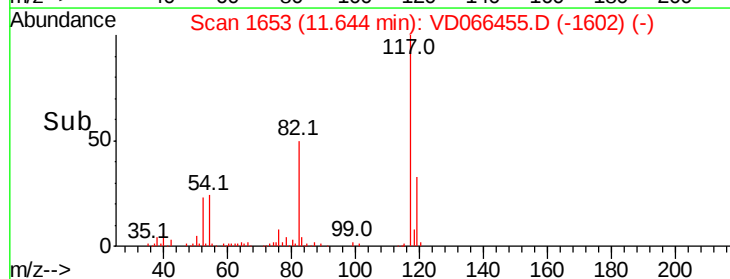
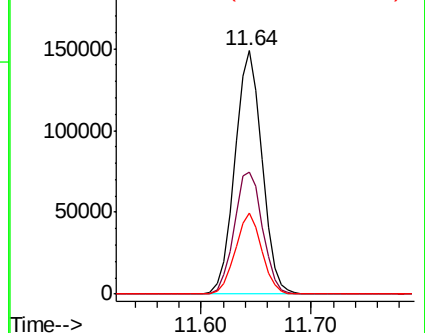
119 33.3 25.8 38.8

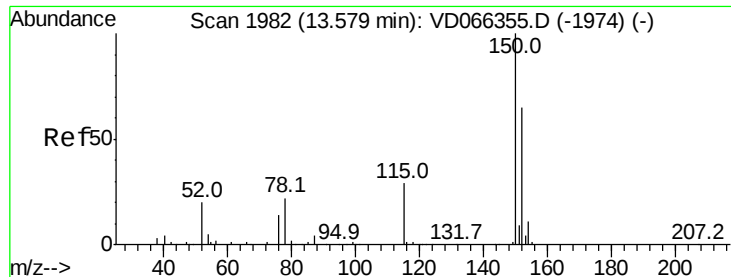


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

AC-1

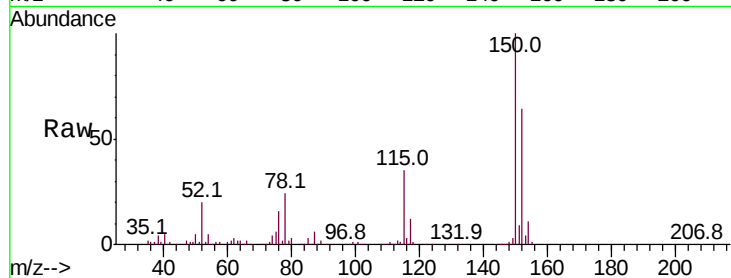
Tot Ion:152 Resp: 132712

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

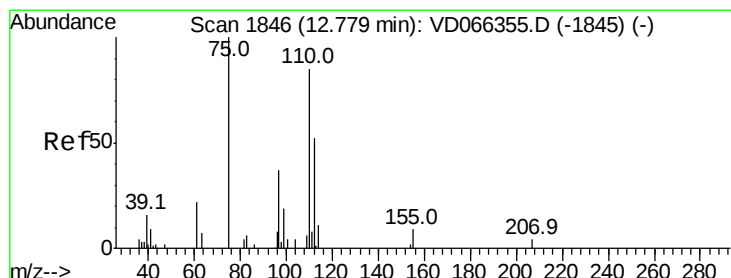
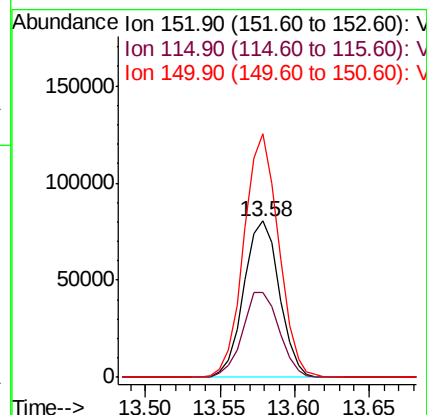
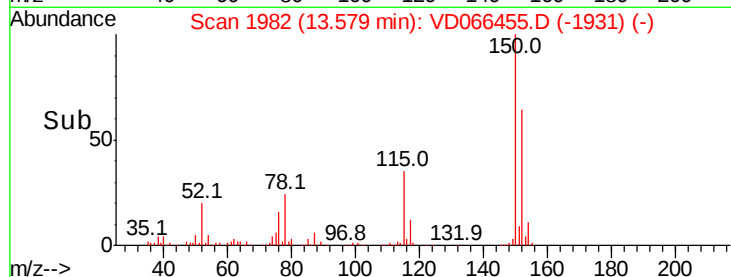
150 152.5 0.0 343.2



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: 71.878 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066455.D

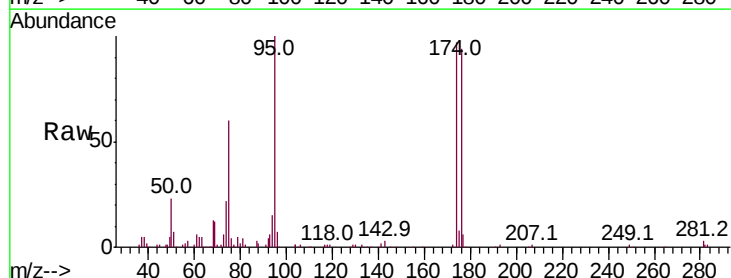
Acq: 28 Aug 2020 13:05

Tgt Ion: 75 Resp: 67108

Ion Ratio Lower Upper

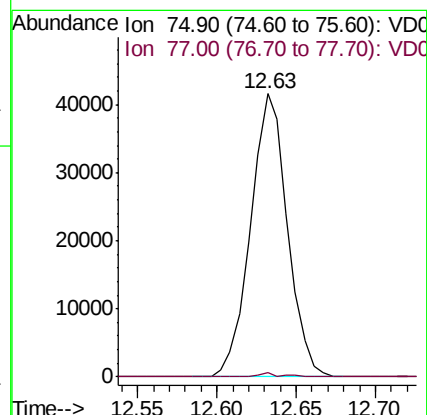
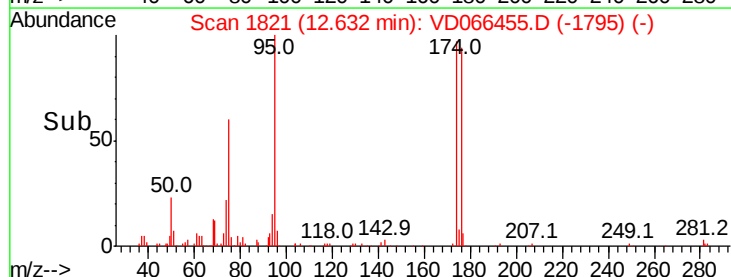
75 100

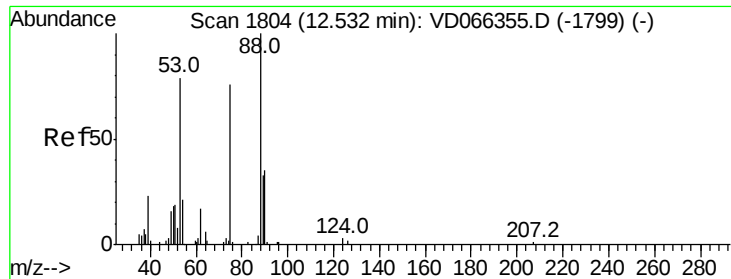
77 0.9 182.9 548.9#



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: 152.574 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066455.D

Acq: 28 Aug 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

AC-1

Tot Ion: 75 Resp: 67108

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.0 39.4 59.0#

