

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066439.D
 Acq On : 27 Aug 2020 16:20
 Operator : VA/SY
 Sample : L3818-02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AC-2

Quant Time: Aug 28 01:48:41 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	183492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	259362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	243533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123457	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	102042	56.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.44%	
35) Dibromofluoromethane	7.91	113	83134	51.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.52%	
50) Toluene-d8	10.33	98	311841	52.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.10%	
62) 4-Bromofluorobenzene	12.63	95	106165	50.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.84%	

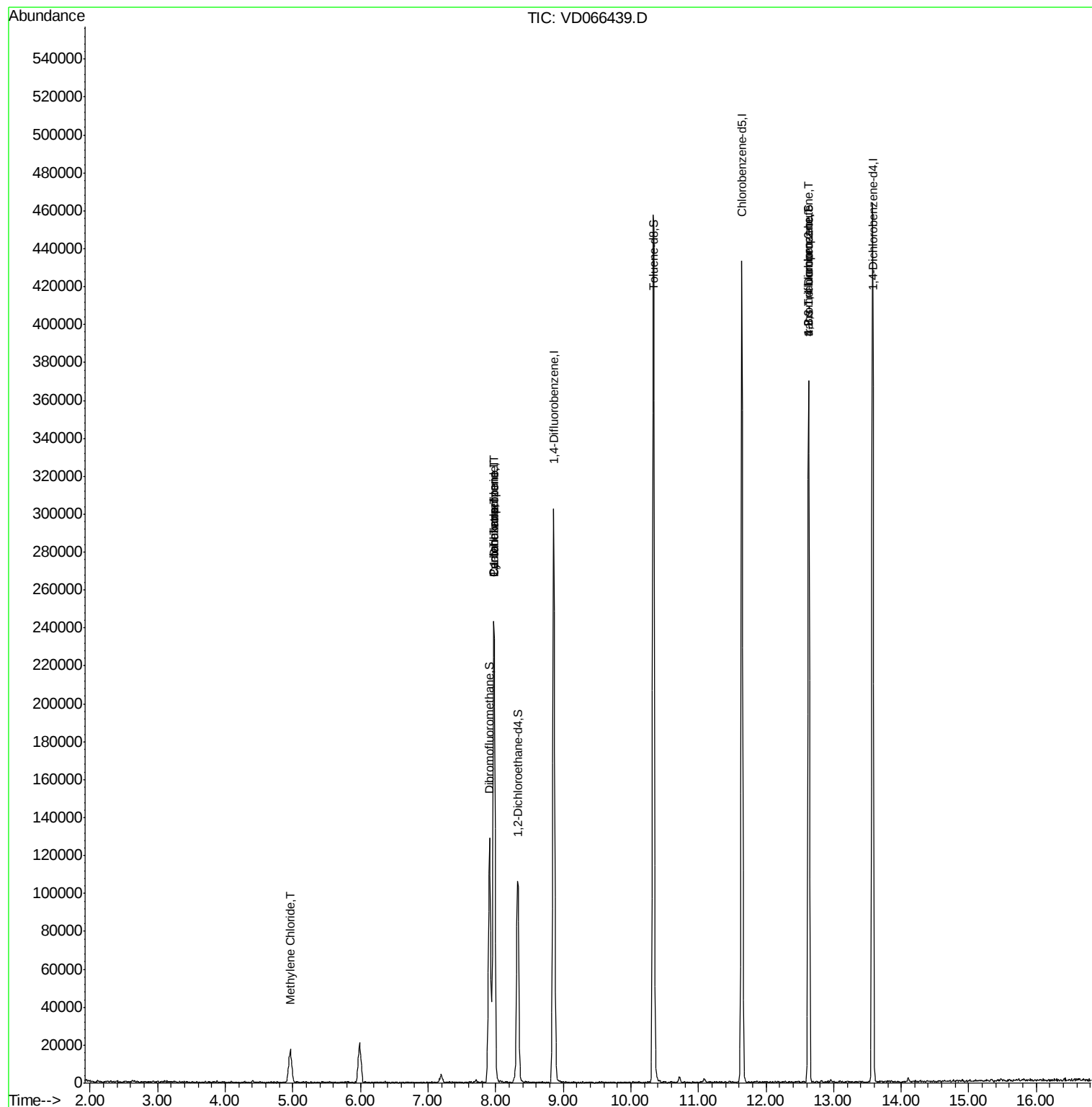
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	59	Below Cal	#	71
20) Methylene Chloride	4.96	84	13011	1.346	ug/l	90
31) Cyclohexane	7.98	56	4029	1.613	ug/l #	36
36) 1,1-Dichloropropene	7.97	75	12347	5.217	ug/l #	53
38) Carbon Tetrachloride	7.98	117	19055	6.180	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	62510	71.973	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	62510	152.774	ug/l #	6

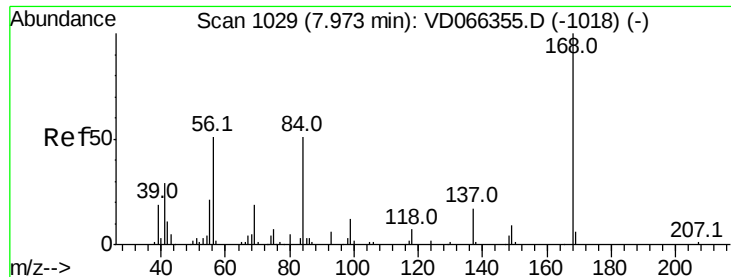
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082720\
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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: VD066439.D

Acq: 27 Aug 2020 16:20

Instrument :

MSVOA_D

ClientSampleId :

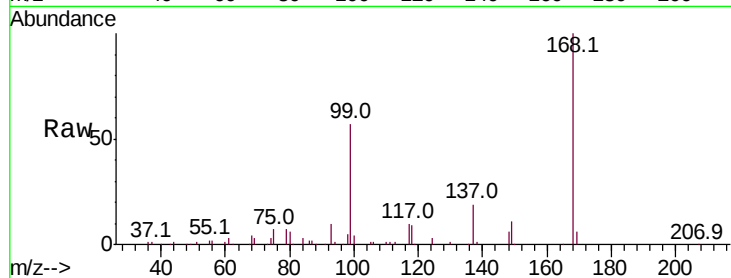
AC-2

Tot Ion:168 Resp: 183492

Ion Ratio Lower Upper

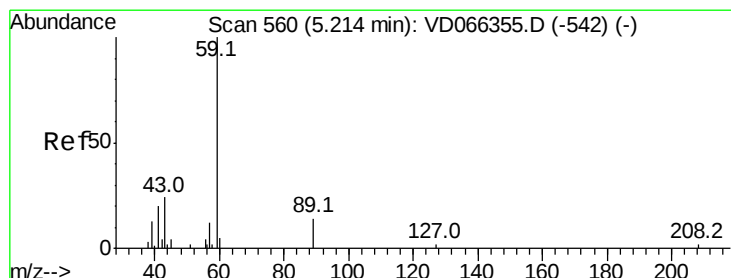
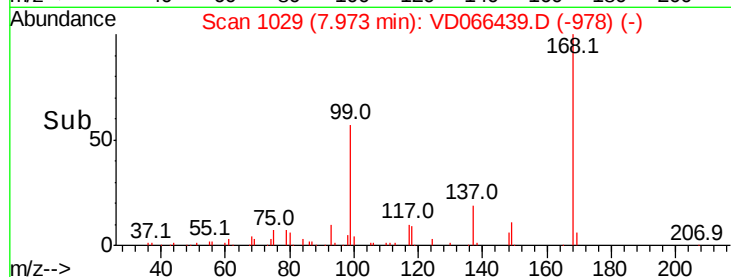
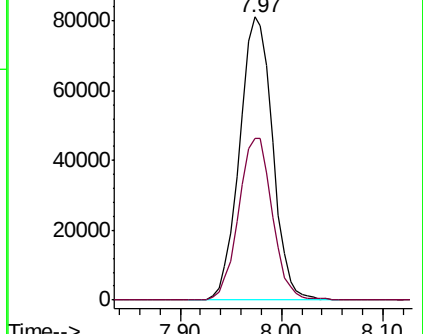
168 100

99 57.1 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: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066439.D

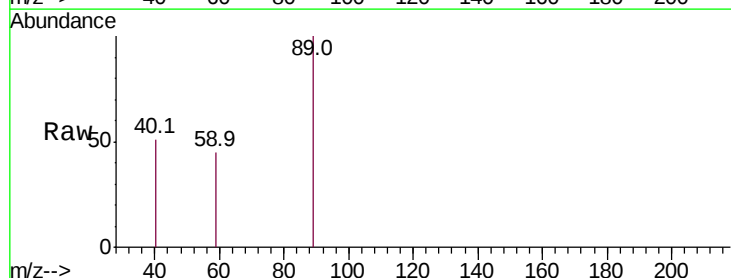
Acq: 27 Aug 2020 16:20

Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

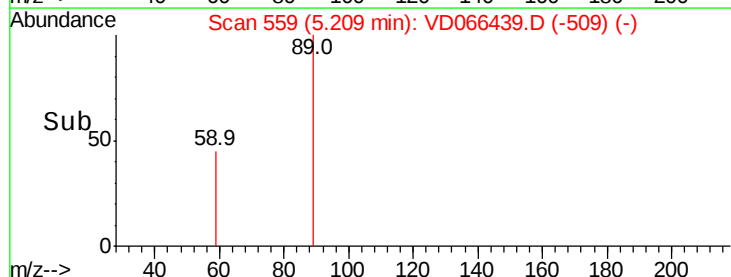
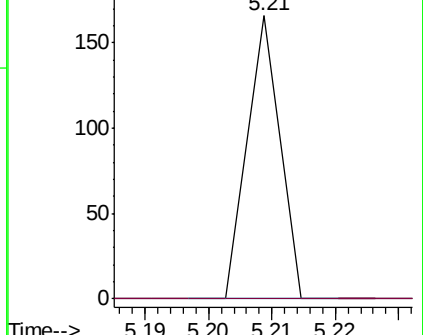
59 100

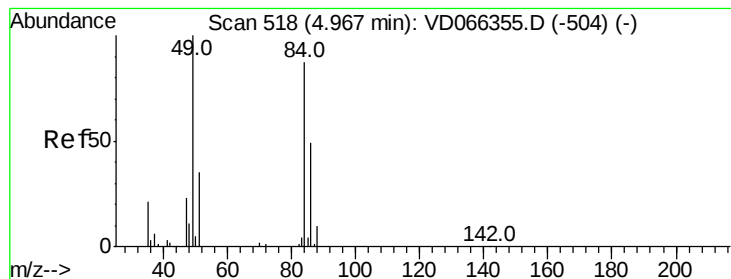
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#20

Methvlene Chloride

Concen: 1.346 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066439.D

Acq: 27 Aug 2020 16:20

Instrument :

MSVOA_D

ClientSampleId :

AC-2

Tot Ion: 84 Resp: 13011

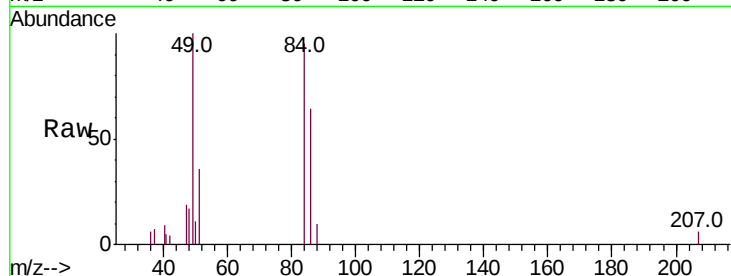
Ion Ratio Lower Upper

84 100

49 105.6 92.5 138.7

51 38.4 32.5 48.7

86 67.1 45.0 67.6

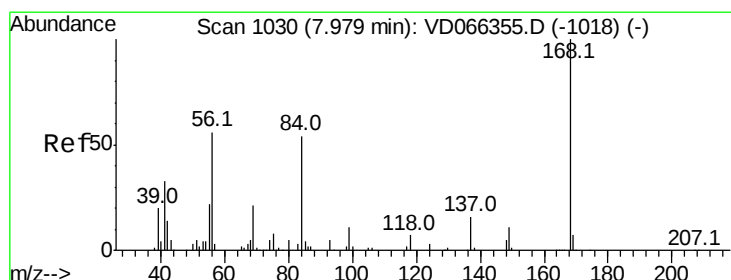
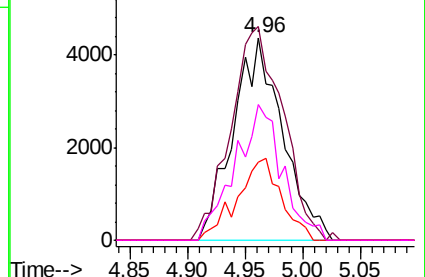
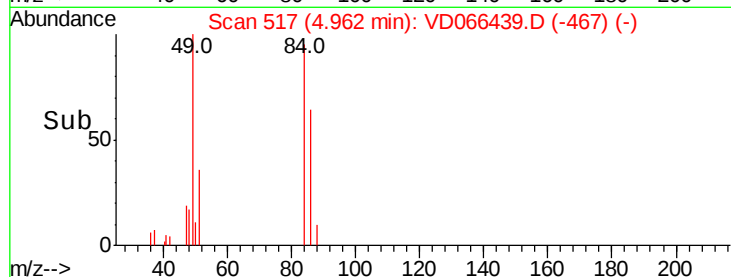


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: 1.613 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066439.D

Acq: 27 Aug 2020 16:20

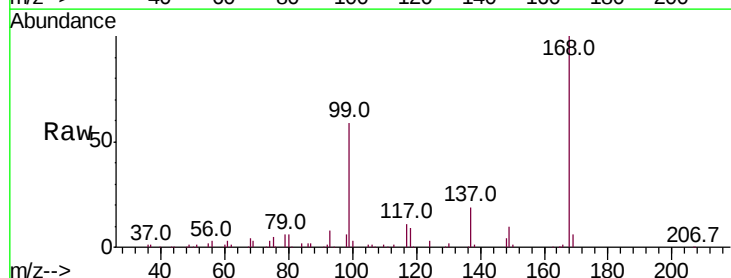
Tgt Ion: 56 Resp: 4029

Ion Ratio Lower Upper

56 100

69 126.0 29.6 44.4#

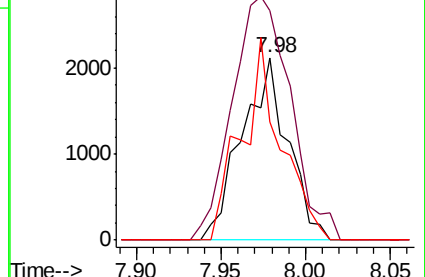
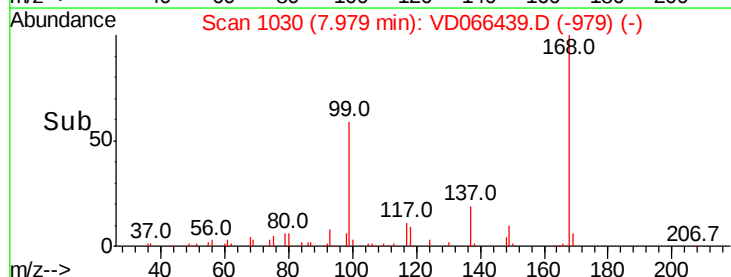
84 65.0 76.6 115.0#

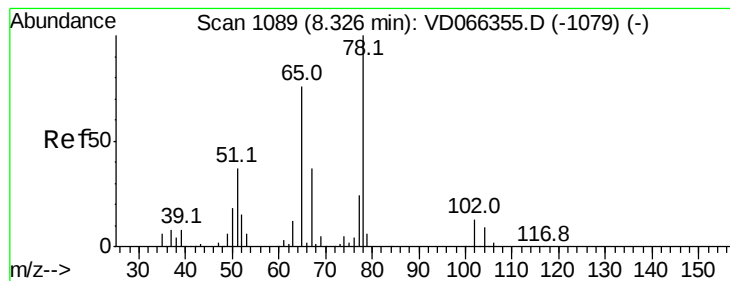


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.723 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VD066439.D

Acq: 27 Aug 2020 16:20

Instrument :

MSVOA_D

ClientSampleId :

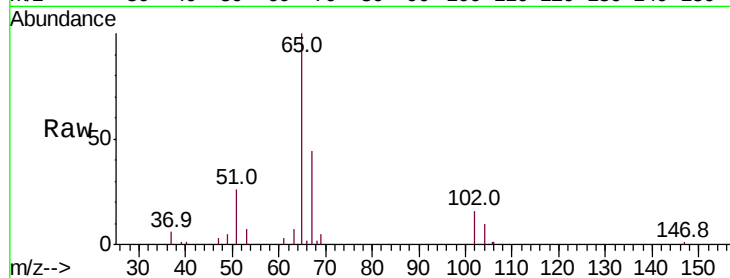
AC-2

Tot Ion: 65 Resp: 102042

Ion Ratio Lower Upper

65 100

67 46.0 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

50000

40000

30000

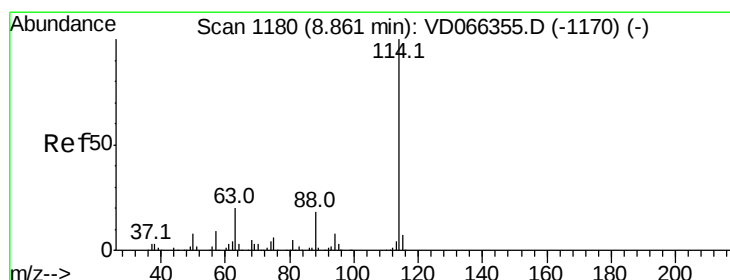
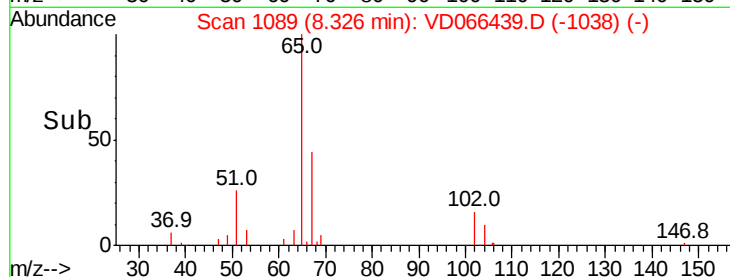
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD066439.D

Acq: 27 Aug 2020 16:20

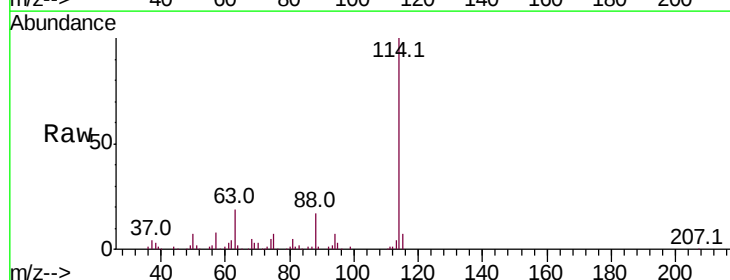
Tgt Ion:114 Resp: 259362

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 16.7 0.0 35.4



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

8.86

150000

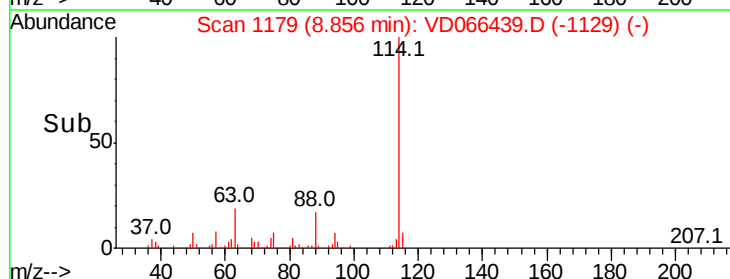
100000

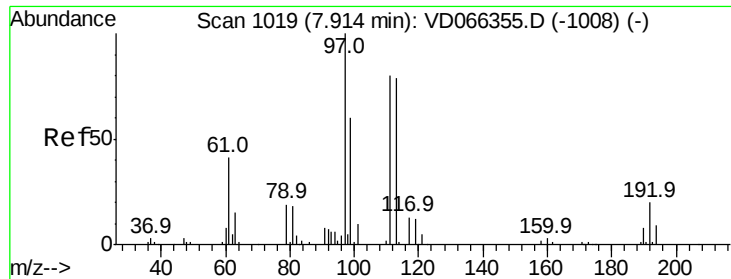
50000

0

8.80 8.90 9.00

Time-->

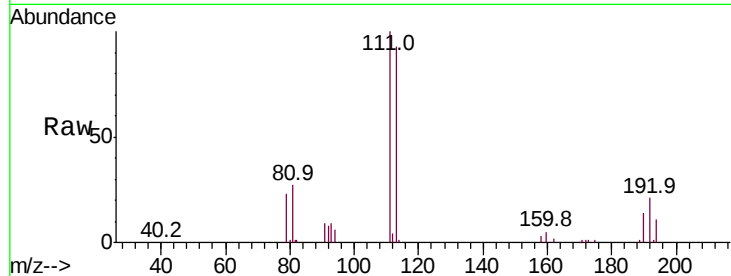




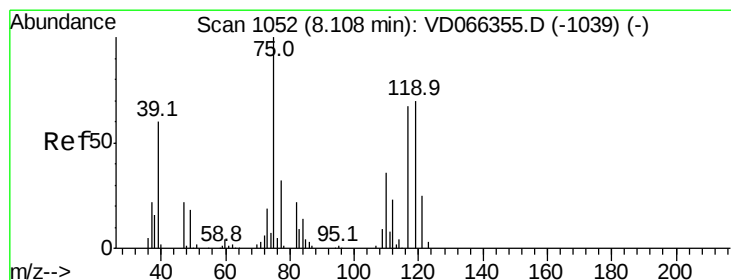
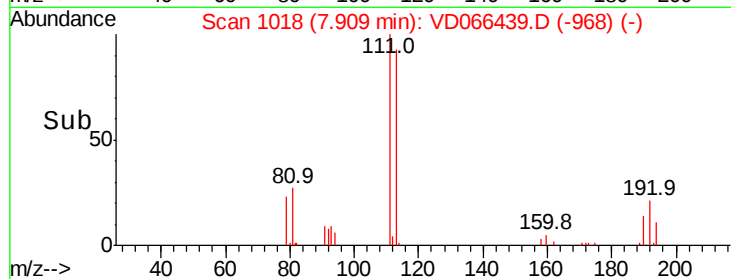
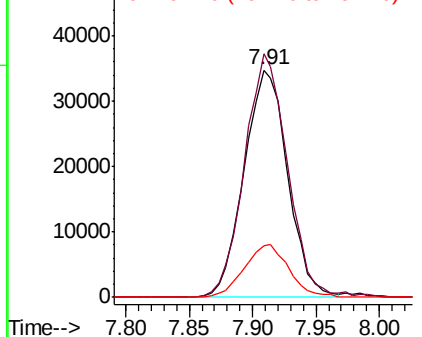
#35
 Dibromofluoromethane
 Concen: 51.260 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066439.D
 Acq: 27 Aug 2020 16:20

Instrument :
 MSVOA_D
 ClientSampleID :
 AC-2

Tot Ion:113 Resp: 83134
 Ion Ratio Lower Upper
 113 100
 111 105.9 80.3 120.5
 192 23.6 19.0 28.6

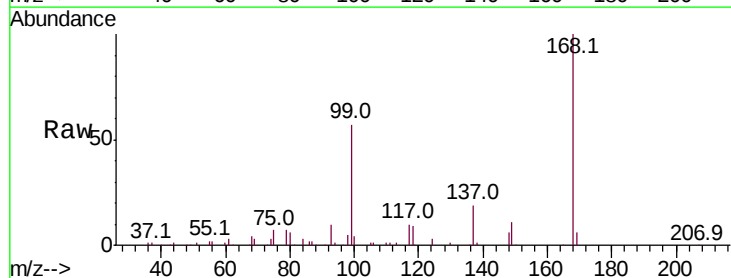


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

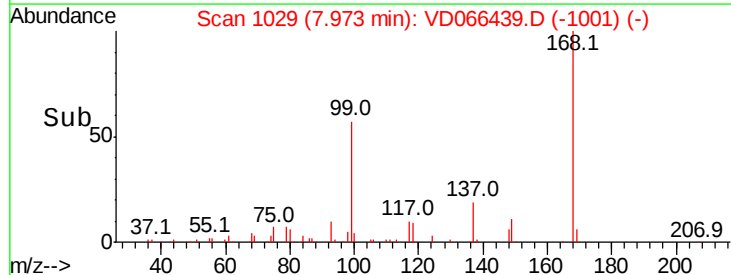
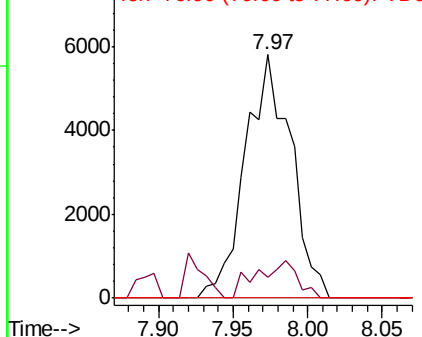


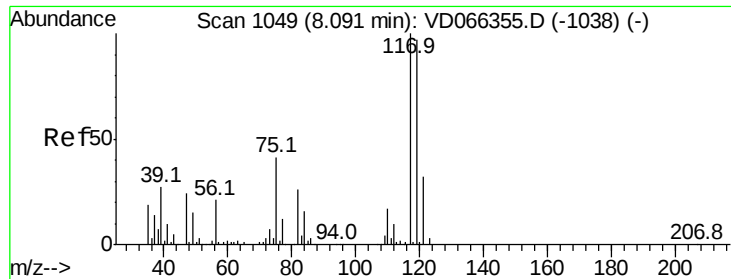
#36
 1,1-Dichloropropene
 Concen: 5.217 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066439.D
 Acq: 27 Aug 2020 16:20

Tgt Ion: 75 Resp: 12347
 Ion Ratio Lower Upper
 75 100
 110 13.8 18.7 56.1#
 77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

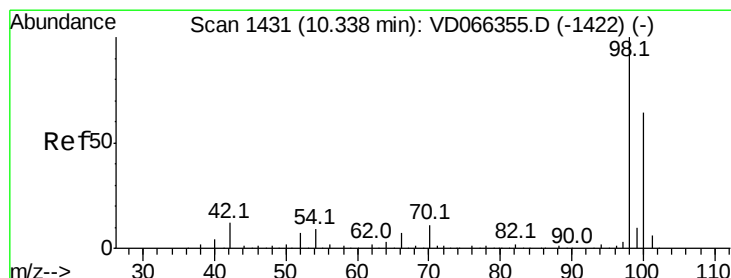
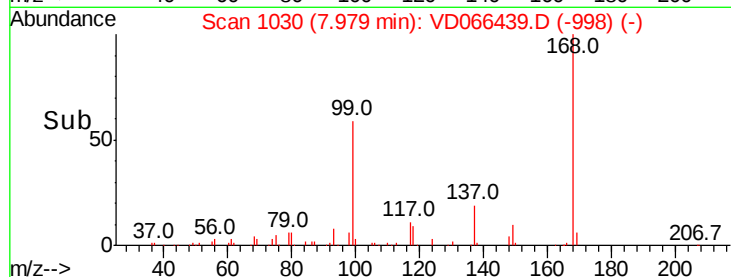
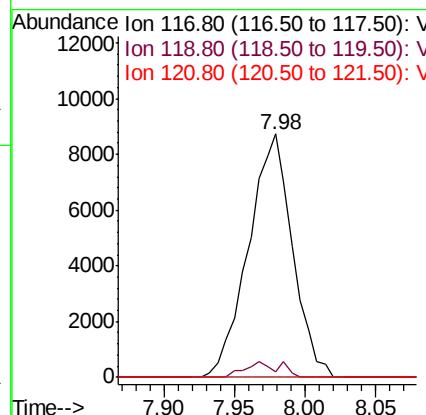
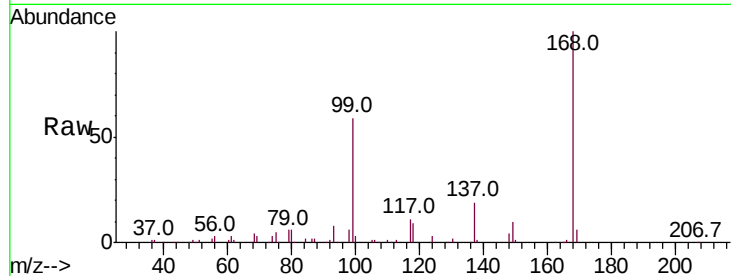




#38
Carbon Tetrachloride
Concen: 6.180 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.11 min
Lab File: VD066439.D
Acq: 27 Aug 2020 16:20

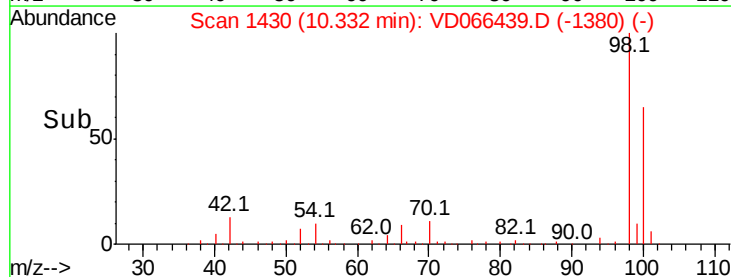
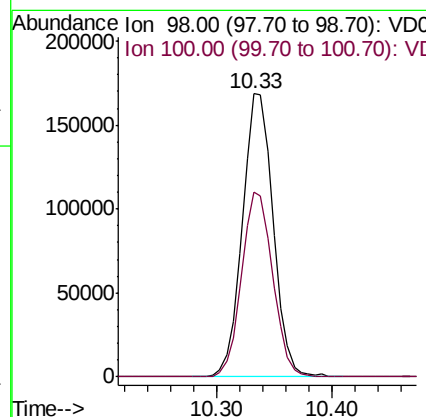
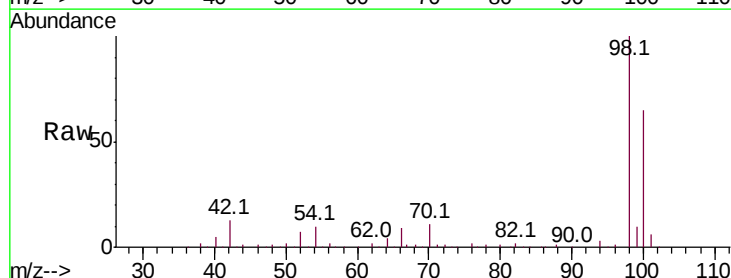
Instrument :
MSVOA_D
ClientSampleId :
AC-2

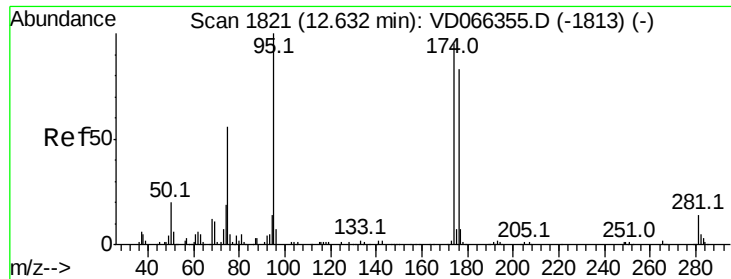
Tot Ion:117 Resp: 19055
Ion Ratio Lower Upper
117 100
119 2.4 77.2 115.8#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 52.552 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066439.D
Acq: 27 Aug 2020 16:20

Tgt Ion: 98 Resp: 311841
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

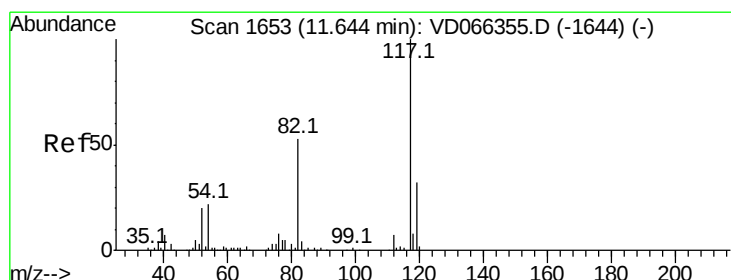
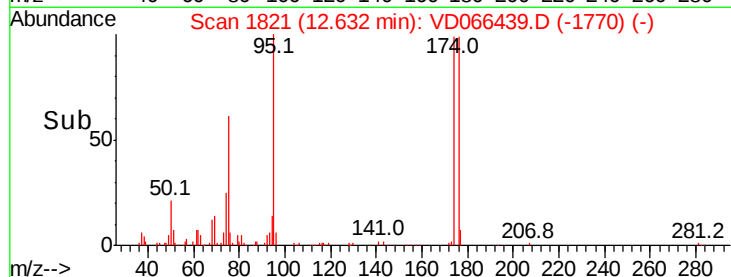
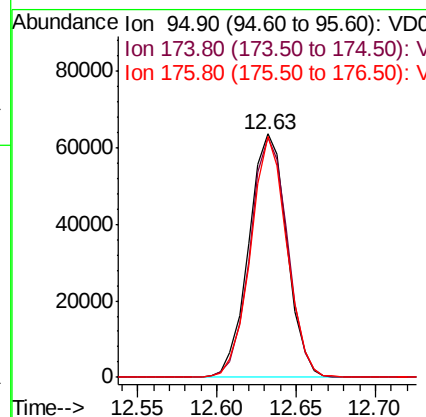
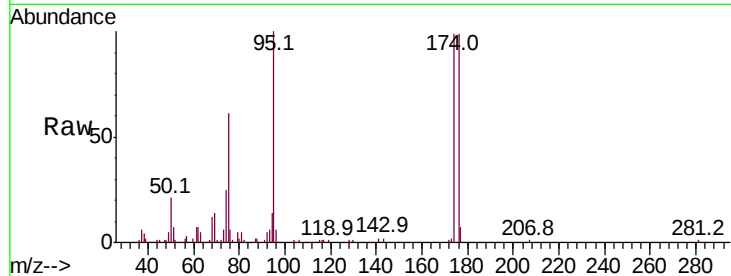




#62
4-Bromofluorobenzene
Concen: 50.419 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066439.D
Acq: 27 Aug 2020 16:20

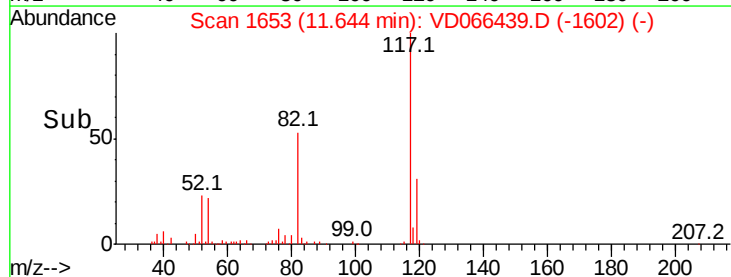
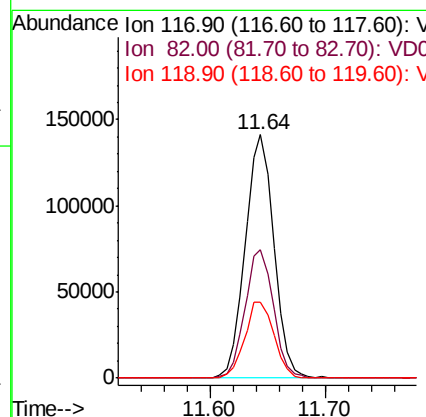
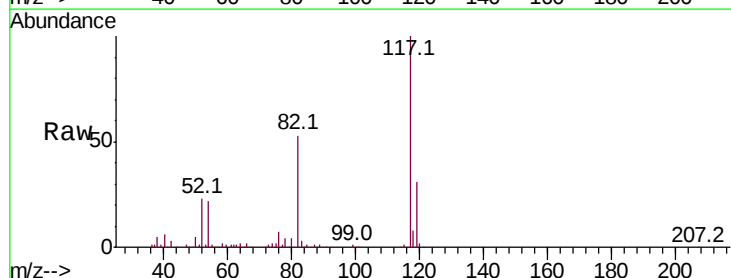
Instrument :
MSVOA_D
ClientSampleId :
AC-2

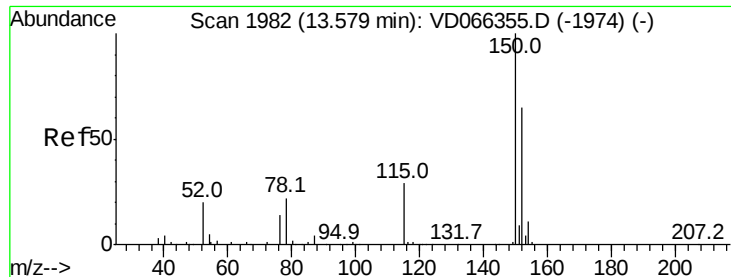
Tot Ion: 95 Resp: 106165
Ion Ratio Lower Upper
95 100
174 97.3 0.0 183.4
176 94.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066439.D
Acq: 27 Aug 2020 16:20

Tgt Ion: 117 Resp: 243533
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 31.1 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: VD066439.D

Acq: 27 Aug 2020 16:20

Instrument :

MSVOA_D

ClientSampleId :

AC-2

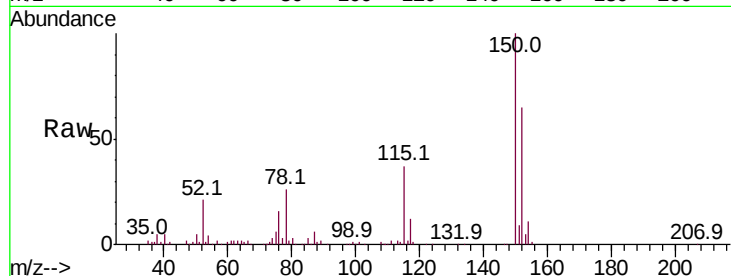
Tot Ion:152 Resp: 123457

Ion Ratio Lower Upper

152 100

115 57.7 28.3 85.0

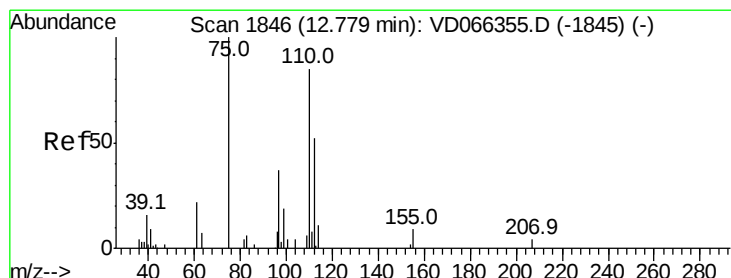
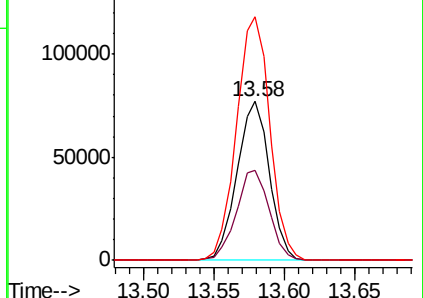
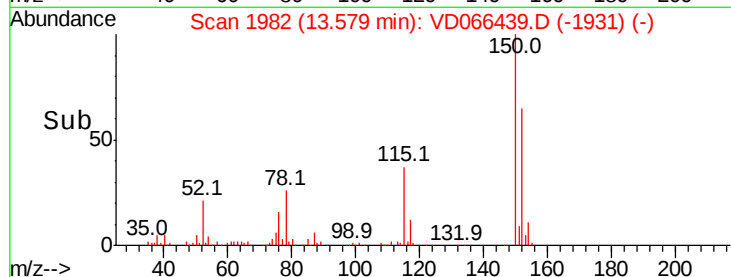
150 157.6 0.0 343.2



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: 71.973 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066439.D

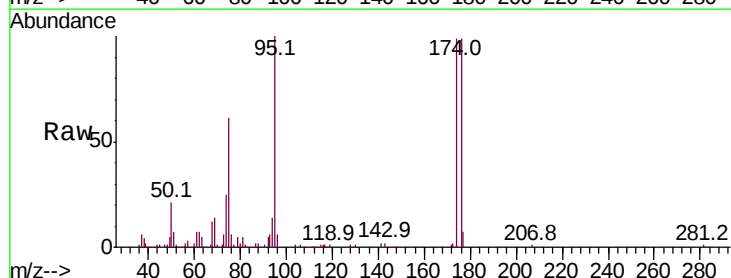
Acq: 27 Aug 2020 16:20

Tgt Ion: 75 Resp: 62510

Ion Ratio Lower Upper

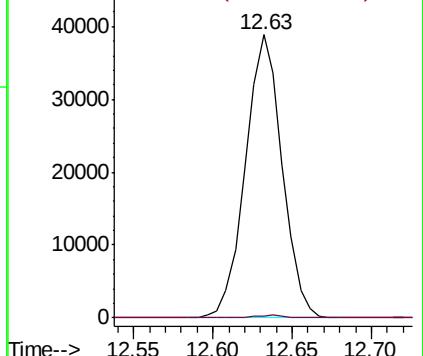
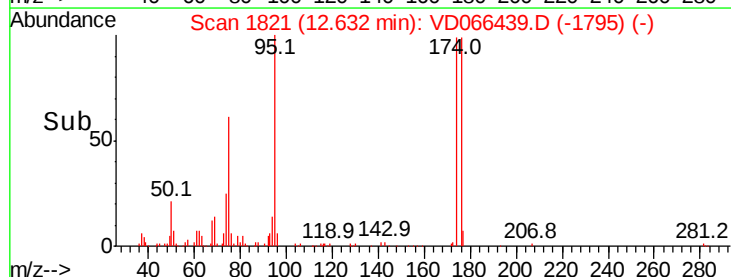
75 100

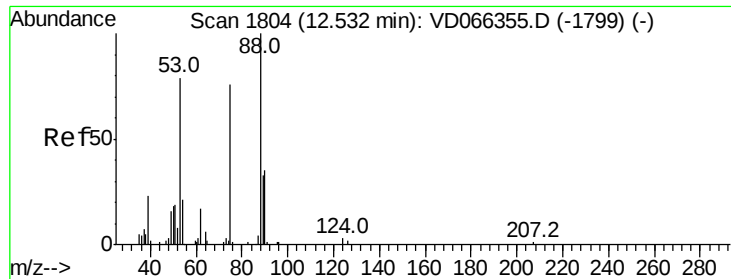
77 0.7 182.9 548.9#



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: 152.774 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066439.D

Acq: 27 Aug 2020 16:20

Instrument :

MSVOA_D

ClientSampleId :

AC-2

Tot Ion: 75 Resp: 62510

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.2#

89 0.0 39.4 59.0#

