

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066621.D
 Acq On : 10 Sep 2020 17:33
 Operator : VA/SY
 Sample : L3808-06
 Misc : 7.53G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B44-090320-19-20

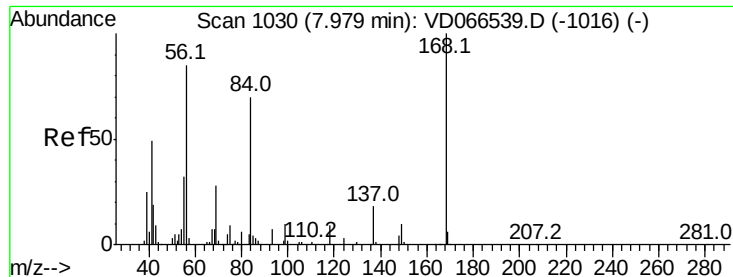
Quant Time: Sep 11 02:09:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	347467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	647186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	608861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257777	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	234006	55.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.32%	
35) Dibromofluoromethane	7.91	113	225484	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.30%	
50) Toluene-d8	10.34	98	802347	51.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.63	95	257234	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	244	Below Cal	#	32
16) Acetone	4.17	43	1127	1.457	ug/l #	46
20) Methylene Chloride	4.97	84	48816	5.718	ug/l	95
31) Cyclohexane	7.98	56	10153	1.480	ug/l #	53
36) 1,1-Dichloropropene	7.97	75	33976	5.045	ug/l #	49
38) Carbon Tetrachloride	7.98	117	38807	5.451	ug/l #	17
51) 4-Methyl-2-Pentanone	10.33	43	3906	1.507	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	147632	59.550	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	147632	139.028	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066621.D

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MSVOA_D

ClientSampleId :

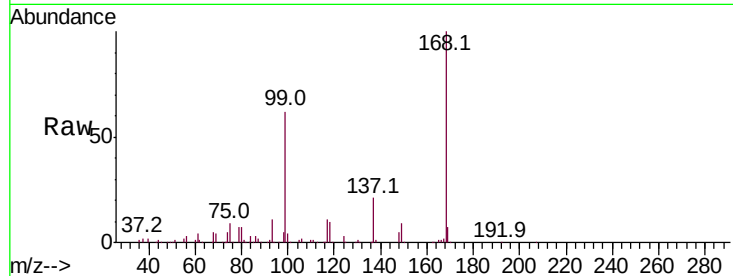
PAV-B44-090320-19-20

Tot Ion:168 Resp: 347467

Ion Ratio Lower Upper

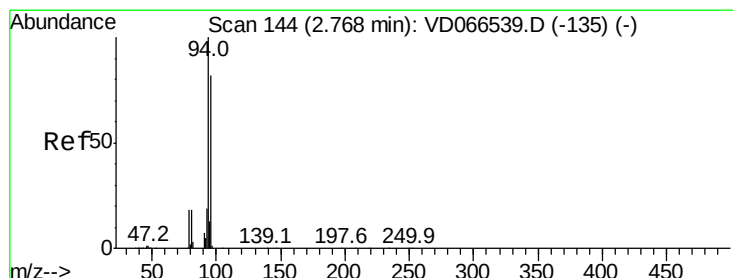
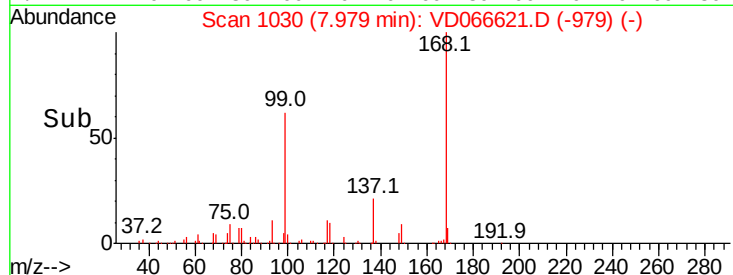
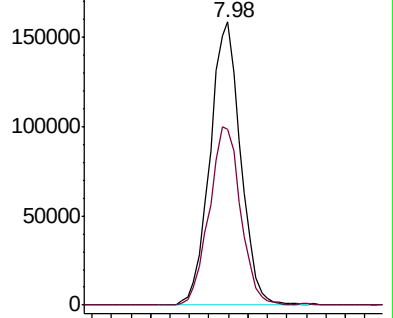
168 100

99 62.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066621.D

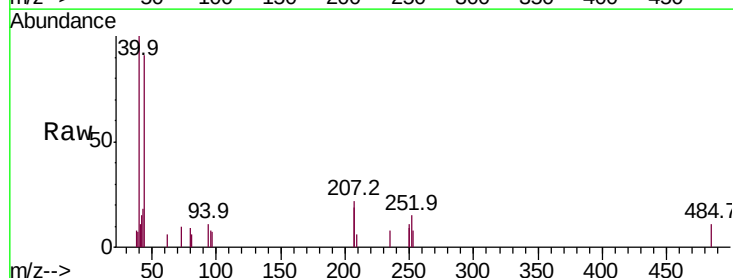
Acq: 10 Sep 2020 17:33

Tgt Ion: 94 Resp: 244

Ion Ratio Lower Upper

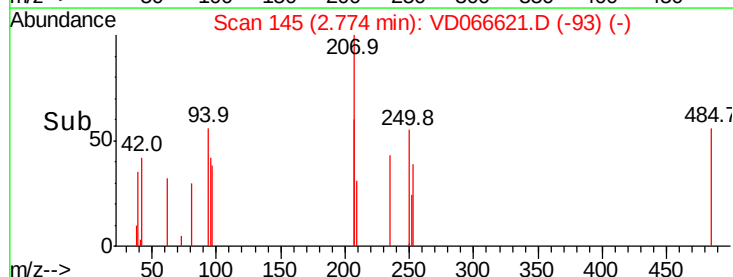
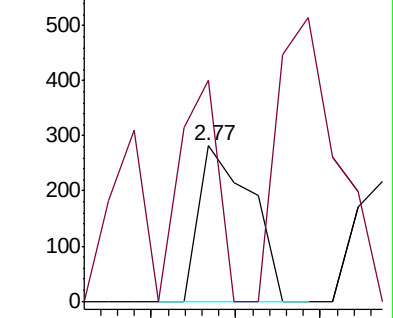
94 100

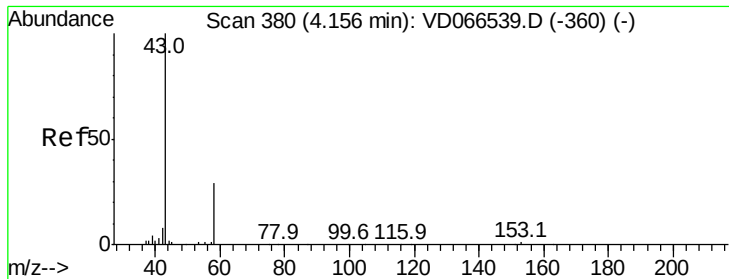
96 141.8 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 1.457 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066621.D

Acq: 10 Sep 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

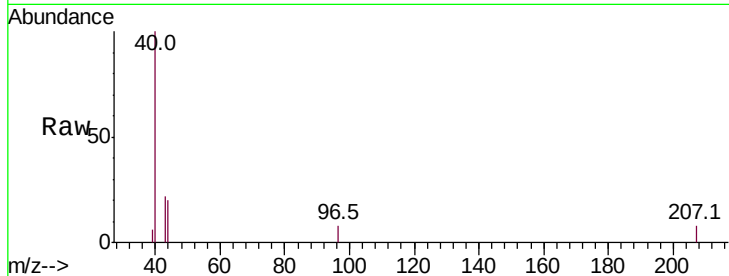
PAV-B44-090320-19-20

Tot Ion: 43 Resp: 1127

Ion Ratio Lower Upper

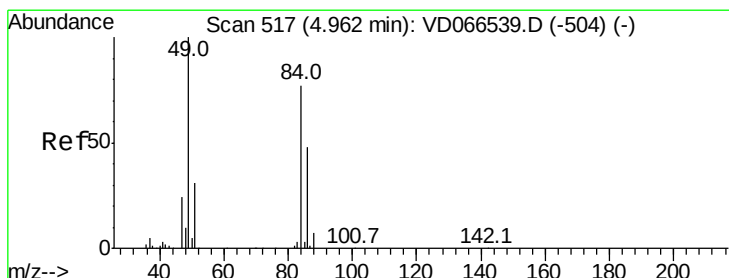
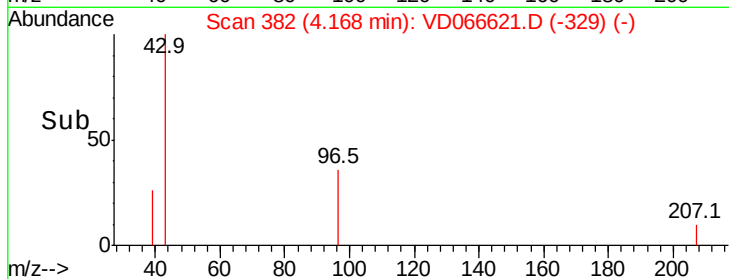
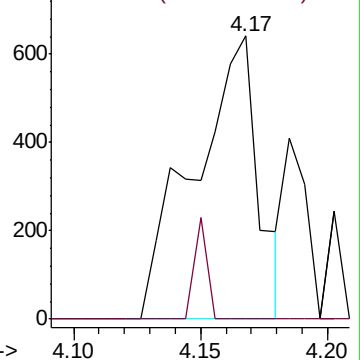
43 100

58 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 5.718 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066621.D

Acq: 10 Sep 2020 17:33

Tgt Ion: 84 Resp: 48816

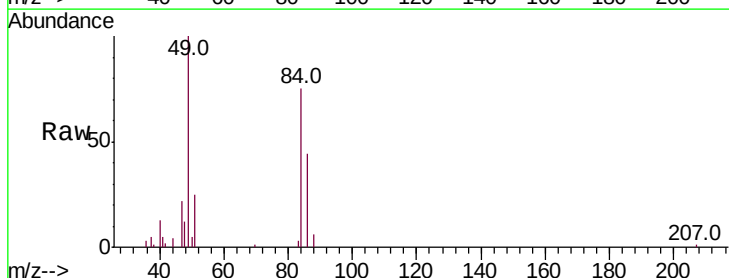
Ion Ratio Lower Upper

84 100

49 132.8 104.3 156.5

51 32.9 32.2 48.4

86 58.6 50.0 75.0

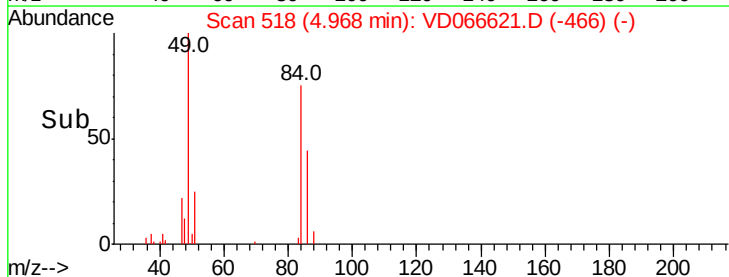
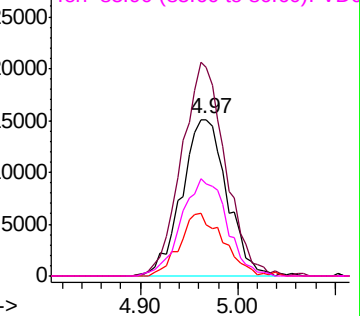


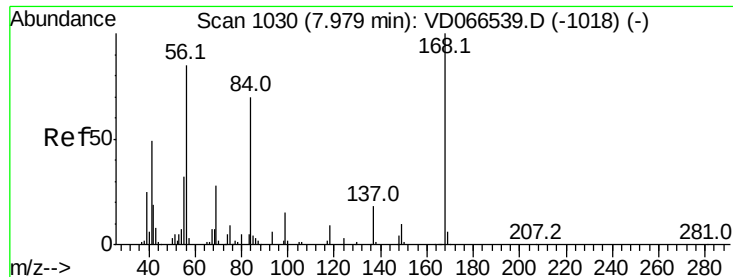
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

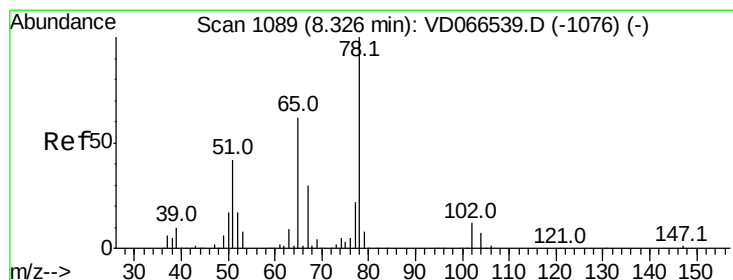
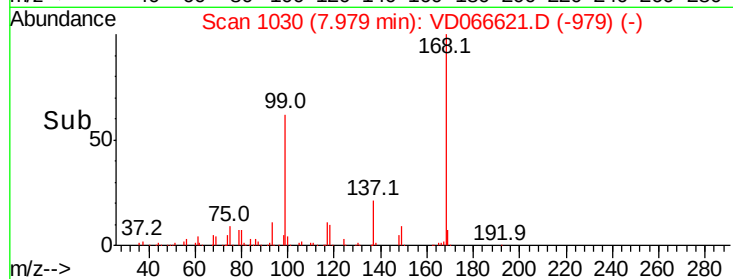
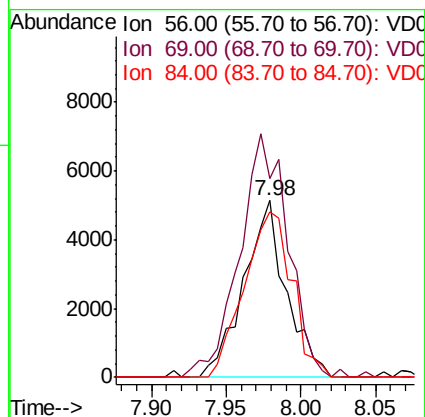
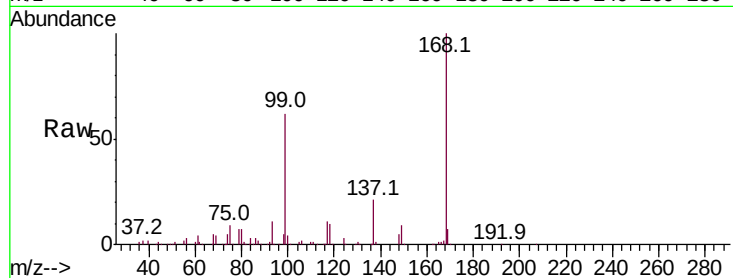




#31
Cyclohexane
Concen: 1.480 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066621.D
Acq: 10 Sep 2020 17:33

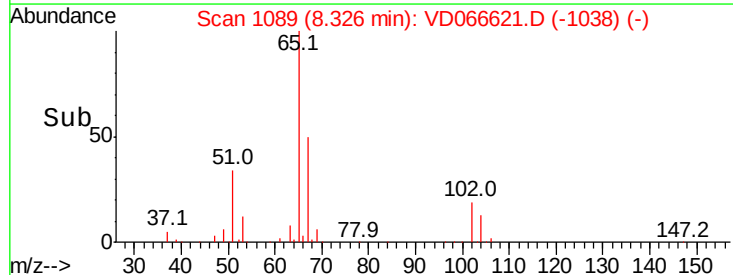
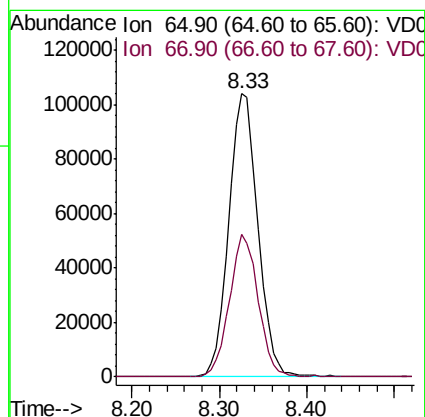
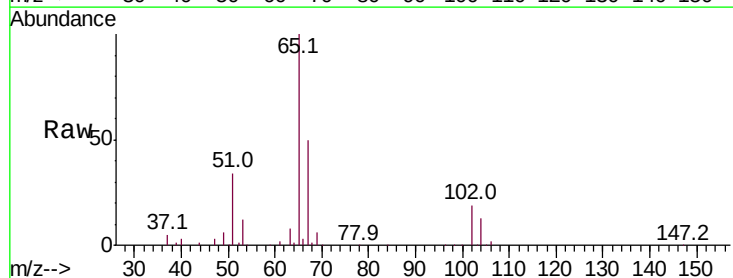
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MSVOA_D
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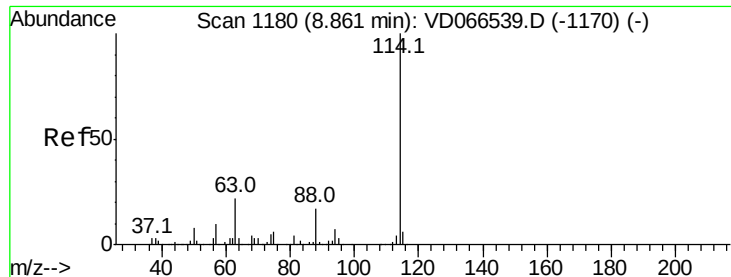
Tot Ion: 56 Resp: 10153
Ion Ratio Lower Upper
56 100
69 108.3 26.3 39.5#
84 93.7 66.1 99.1



#33
1,2-Dichloroethane-d4
Concen: 55.662 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066621.D
Acq: 10 Sep 2020 17:33

Tgt Ion: 65 Resp: 234006
Ion Ratio Lower Upper
65 100
67 49.5 0.0 102.8

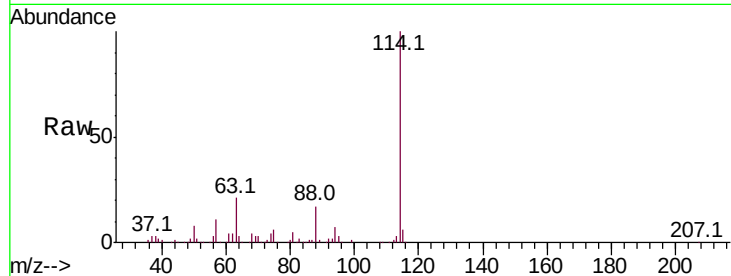




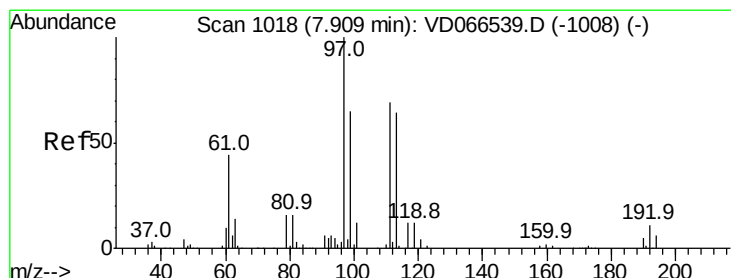
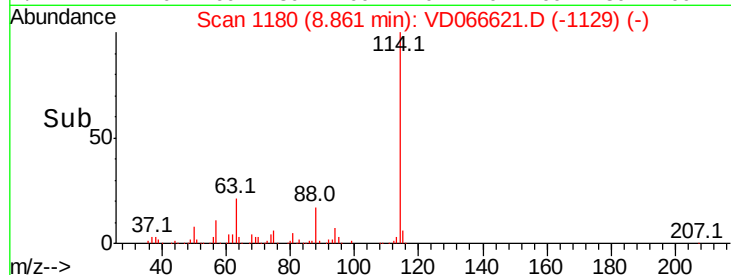
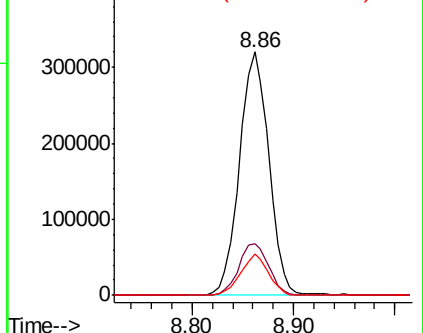
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066621.D
 Acq: 10 Sep 2020 17:33

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B44-090320-19-20

Tot Ion:114 Resp: 647186
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.8 0.0 33.2

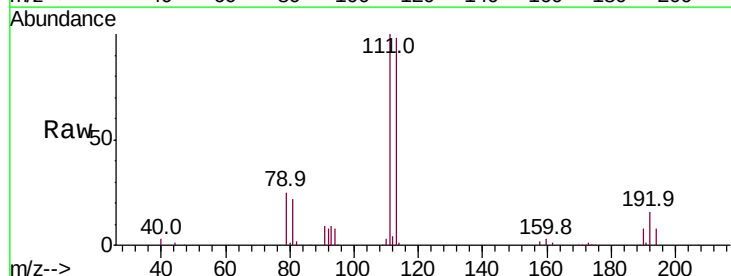


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

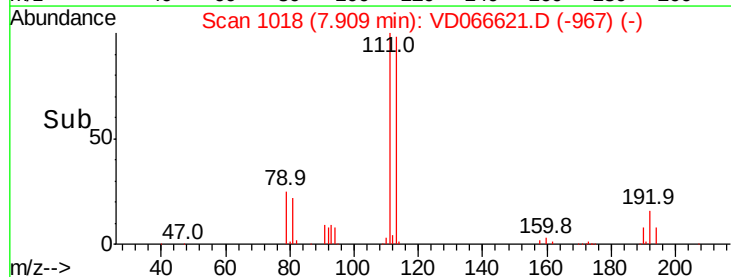
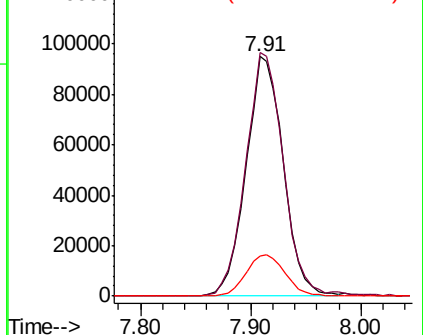


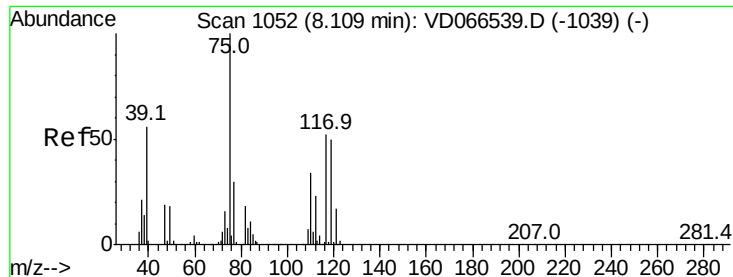
#35
 Dibromofluoromethane
 Concen: 51.646 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066621.D
 Acq: 10 Sep 2020 17:33

Tgt Ion:113 Resp: 225484
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.2 124.8
 192 18.0 13.7 20.5



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: 5.045 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066621.D

Acq: 10 Sep 2020 17:33

Instrument :

MSVOA_D

ClientSampleId :

PAV-B44-090320-19-20

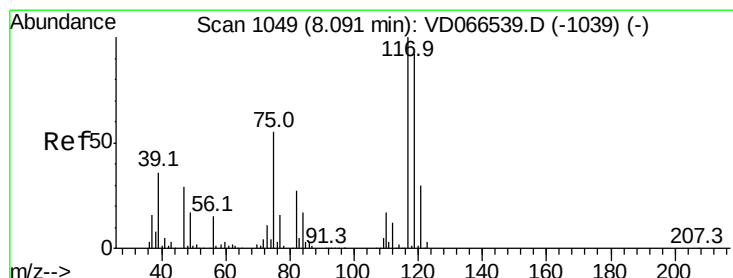
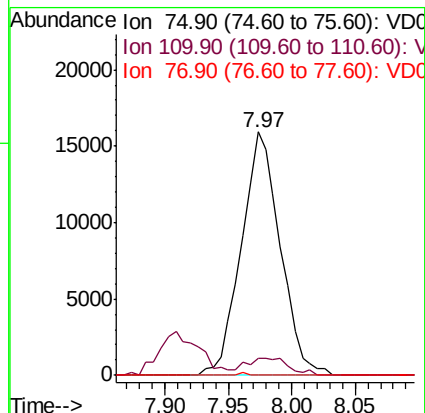
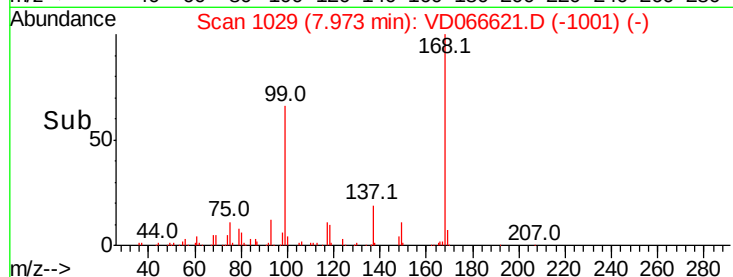
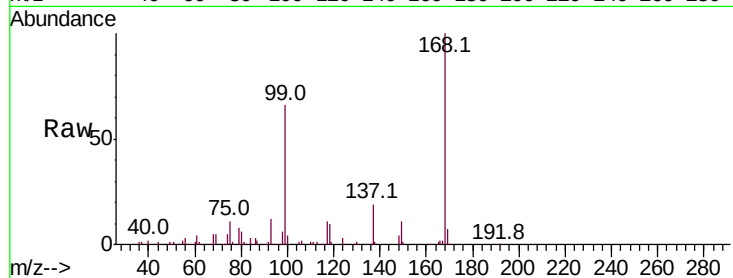
Tot Ion: 75 Resp: 33976

Ion Ratio Lower Upper

75 100

110 8.1 17.3 52.0#

77 0.2 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.451 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066621.D

Acq: 10 Sep 2020 17:33

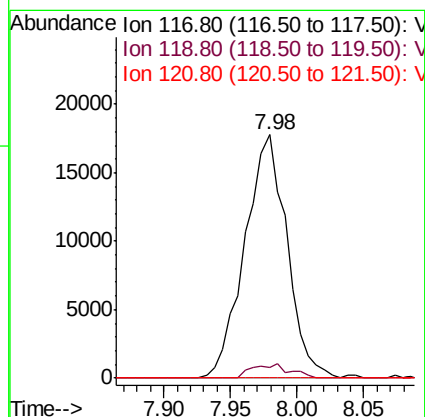
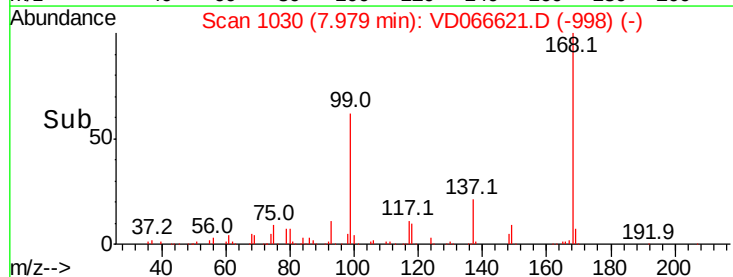
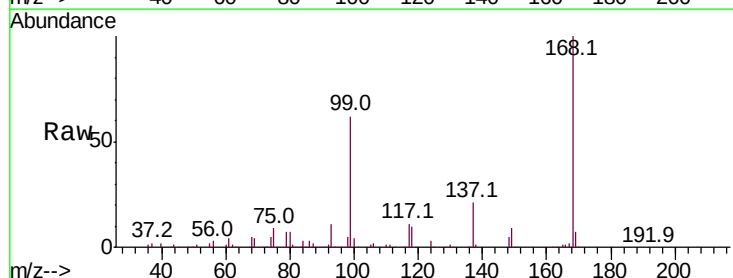
Tgt Ion: 117 Resp: 38807

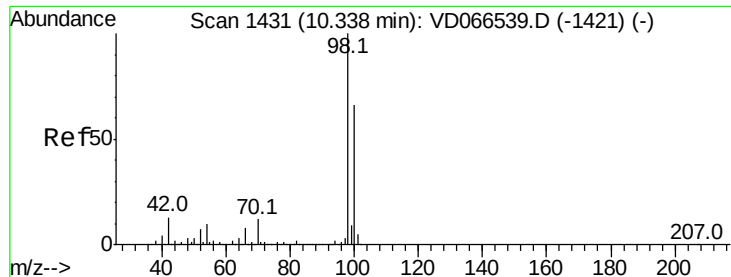
Ion Ratio Lower Upper

117 100

119 4.4 73.9 110.9#

121 0.0 24.1 36.1#

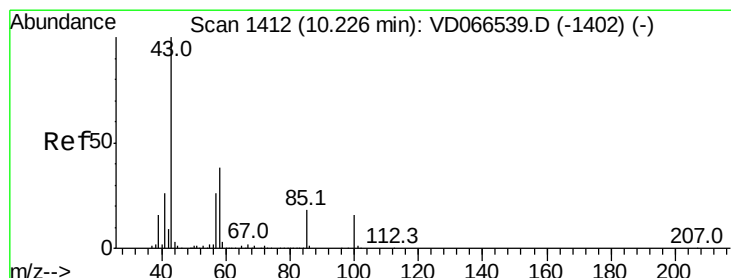
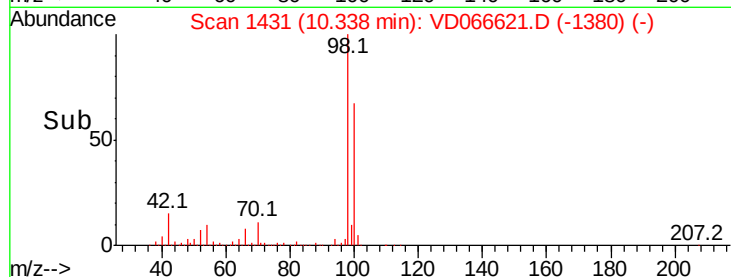
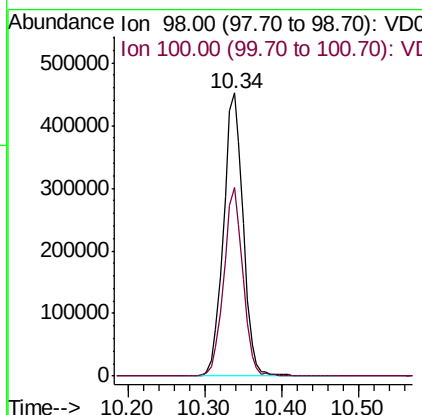
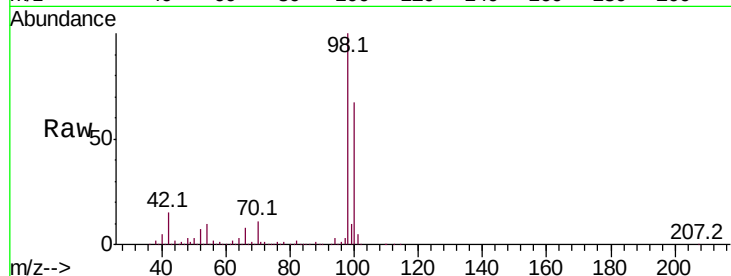




#50
Toluene-d8
Concen: 51.417 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066621.D
Acq: 10 Sep 2020 17:33

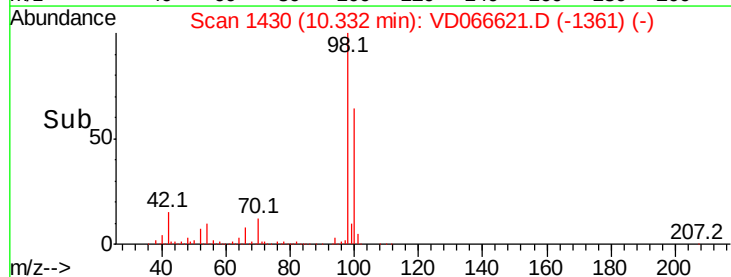
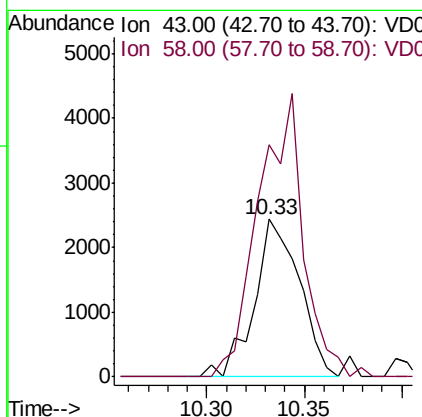
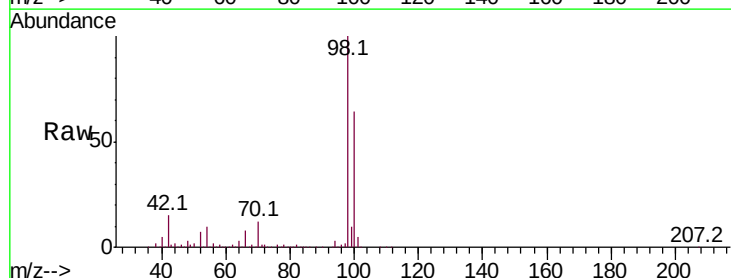
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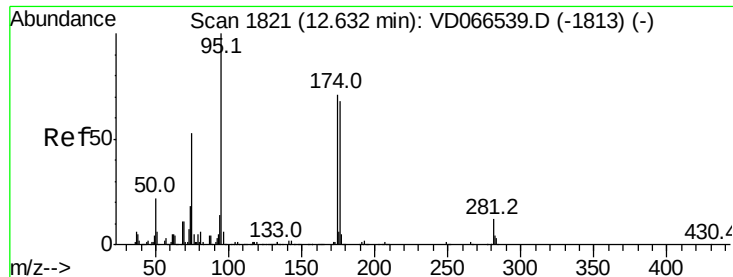
Tot Ion: 98 Resp: 802347
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.507 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066621.D
Acq: 10 Sep 2020 17:33

Tgt Ion: 43 Resp: 3906
Ion Ratio Lower Upper
43 100
58 179.6 30.5 45.7#

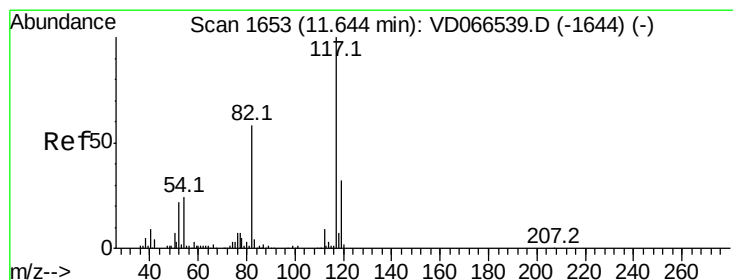
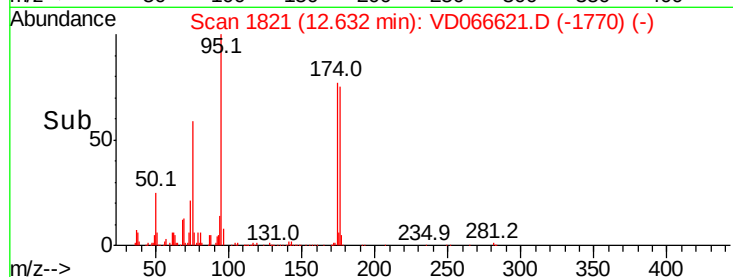
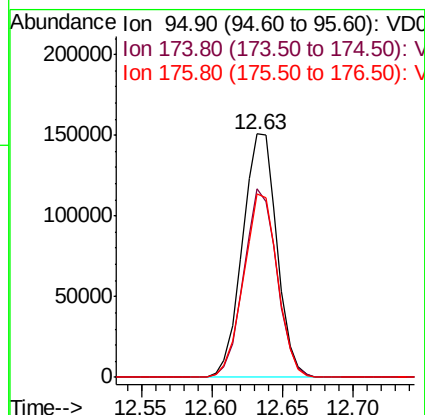
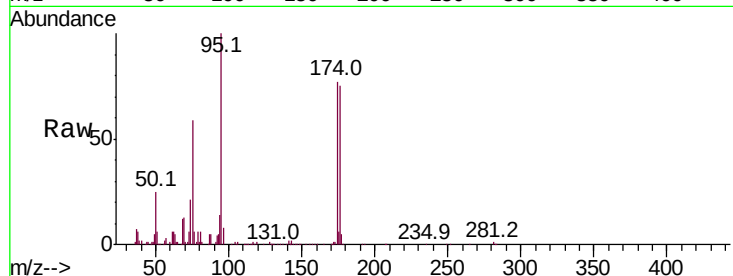




#62
4-Bromofluorobenzene
Concen: 49.714 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066621.D
Acq: 10 Sep 2020 17:33

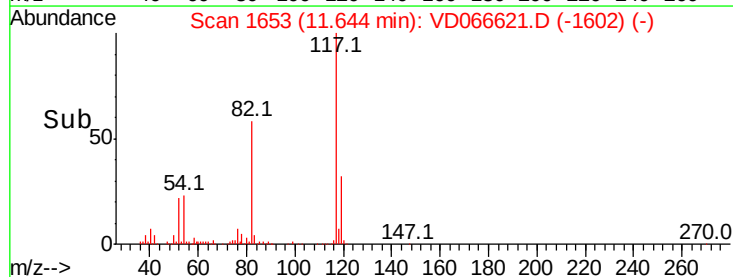
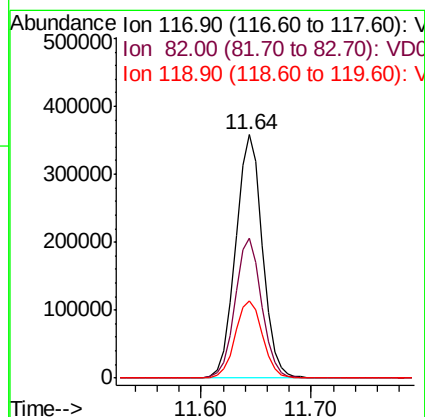
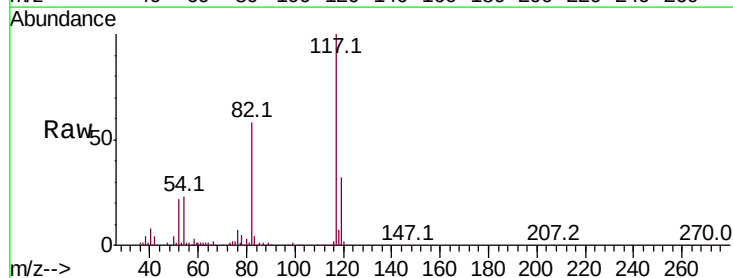
Instrument :
MSVOA_D
ClientSampleId :
PAV-B44-090320-19-20

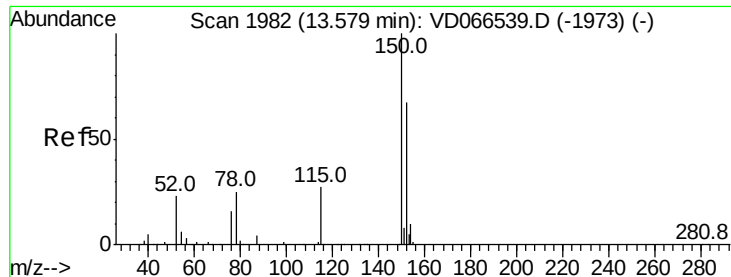
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	155.8
176	74.5	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066621.D
Acq: 10 Sep 2020 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.2	69.2
119	31.6	25.8	38.8

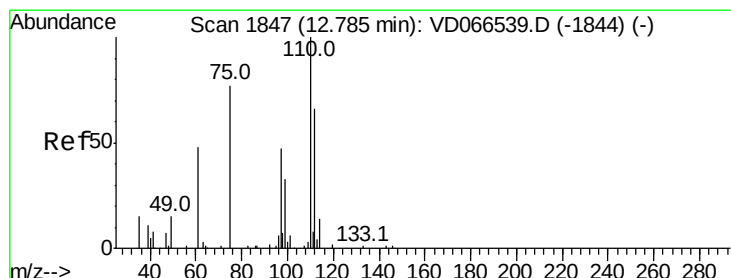
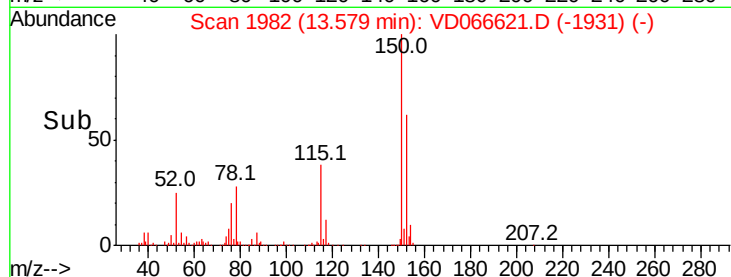
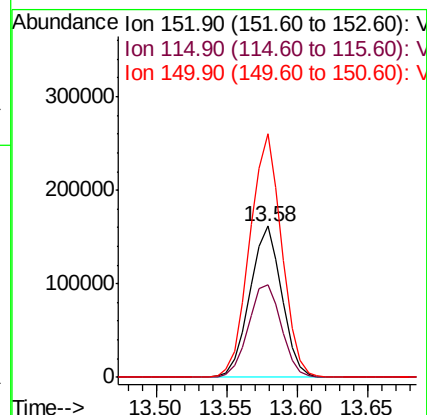
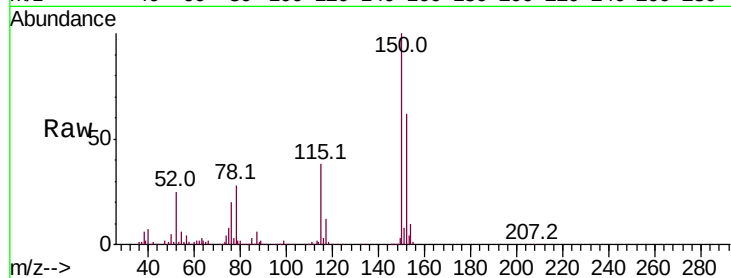




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD066621.D
 Acq: 10 Sep 2020 17:33

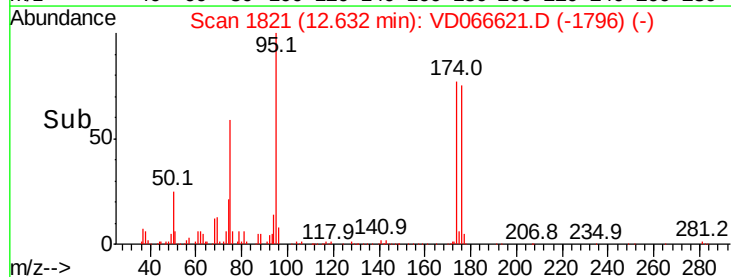
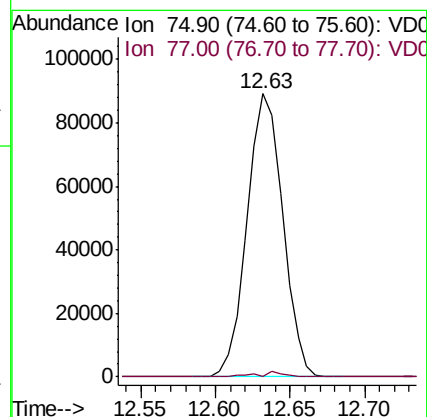
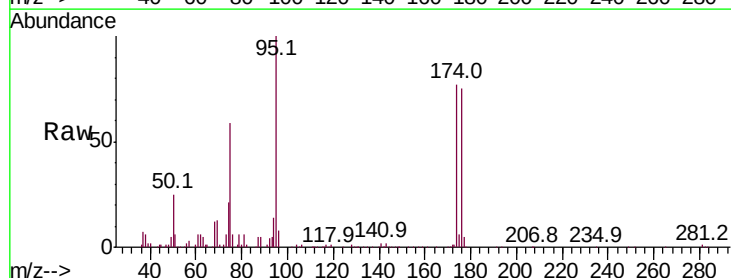
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B44-090320-19-20

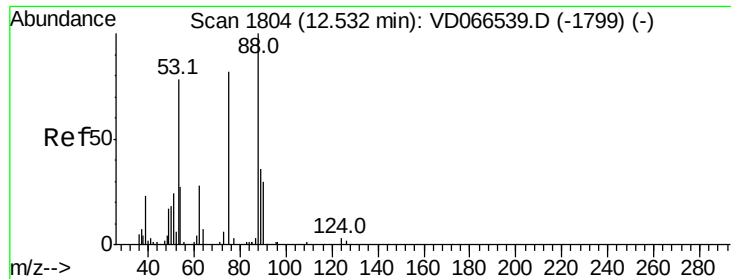
Tot Ion:152 Resp: 257777
 Ion Ratio Lower Upper
 152 100
 115 63.5 30.4 91.2
 150 160.1 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 59.550 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066621.D
 Acq: 10 Sep 2020 17:33

Tgt Ion: 75 Resp: 147632
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 139.028 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.10 min
Lab File: VD066621.D
Acq: 10 Sep 2020 17:33

Instrument :
MSVOA_D
ClientSampleId :
PAV-B44-090320-19-20

Tot Ion: 75 Resp: 147632
Ion Ratio Lower Upper
75 100
53 0.2 87.0 130.4#
89 0.1 37.1 55.7#

