

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066639.D
 Acq On : 11 Sep 2020 04:02
 Operator : VA/SY
 Sample : L3939-05
 Misc : 3.19G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B41-090820-12-13

Quant Time: Sep 11 04:22:27 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	354925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	648256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	614929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	262106	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	252153	58.72	ug/l	0.00
Spiked Amount			Recovery	=	117.44%	
35) Dibromofluoromethane	7.91	113	226255	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	10.34	98	807224	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.63	95	263724	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	

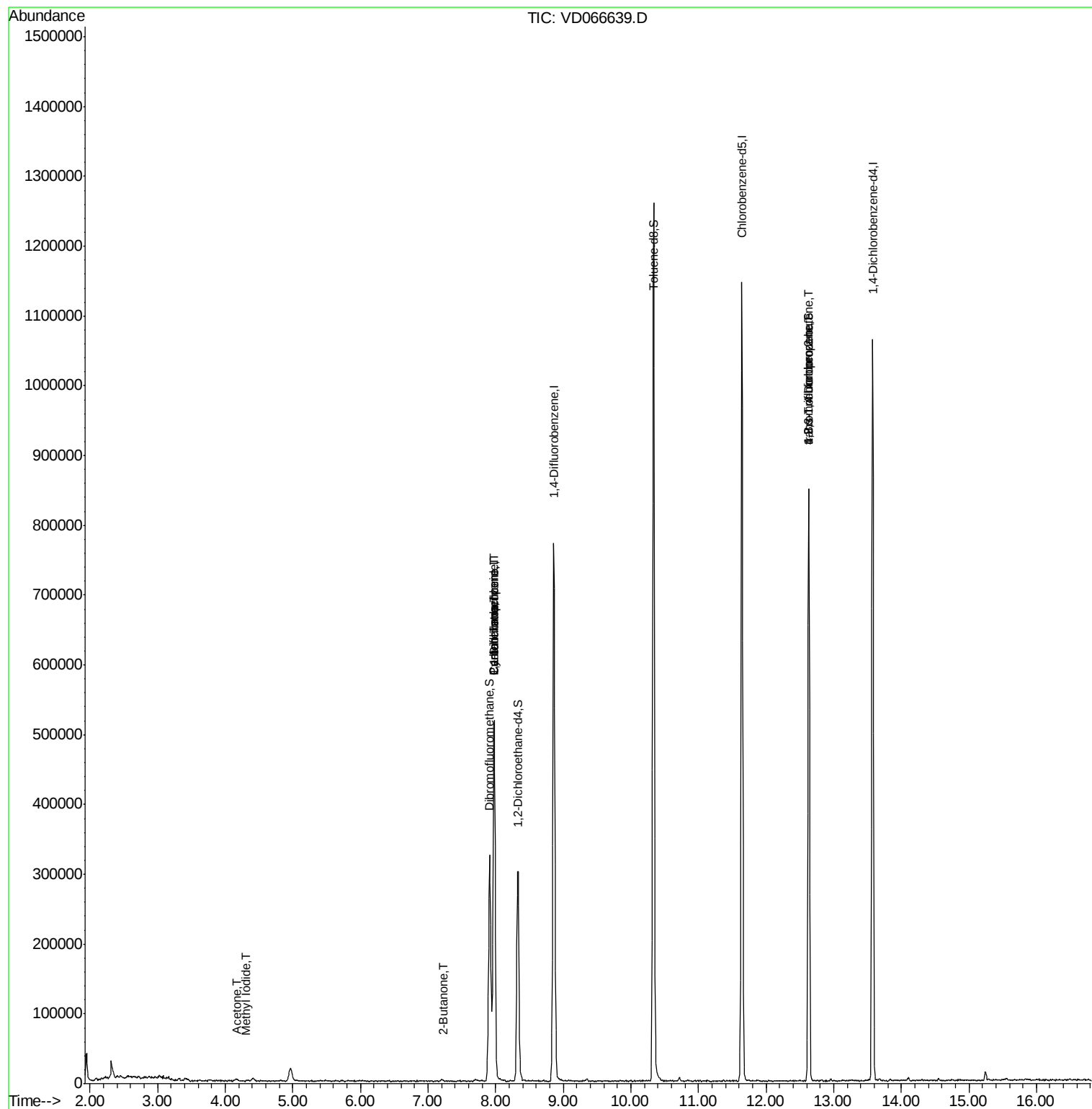
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	320	Below Cal	#	46
5) Bromomethane	2.77	94	693	Below Cal		93
10) Methyl Iodide	4.31	142	261	4.089	ug/l #	35
11) Tert butyl alcohol	5.22	59	145	Below Cal	#	74
16) Acetone	4.17	43	5576	7.057	ug/l #	81
20) Methylene Chloride	4.96	84	13765	Below Cal		90
25) 2-Butanone	7.22	43	2610	2.461	ug/l #	70
31) Cyclohexane	7.98	56	9969	1.423	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	34204	5.070	ug/l #	50
38) Carbon Tetrachloride	7.97	117	38453	5.392	ug/l #	23
76) 1,2,3-Trichloropropane	12.63	75	147689	58.589	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	147689	136.785	ug/l #	7

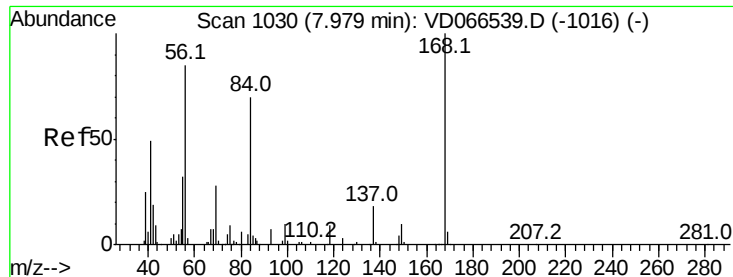
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091020\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066639.D

Acq: 11 Sep 2020 04:02

Instrument :

MSVOA_D

ClientSampleId :

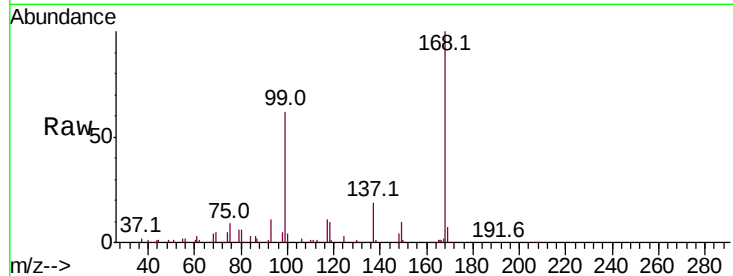
PAV-B41-090820-12-13

Tot Ion:168 Resp: 354925

Ion Ratio Lower Upper

168 100

99 62.2 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

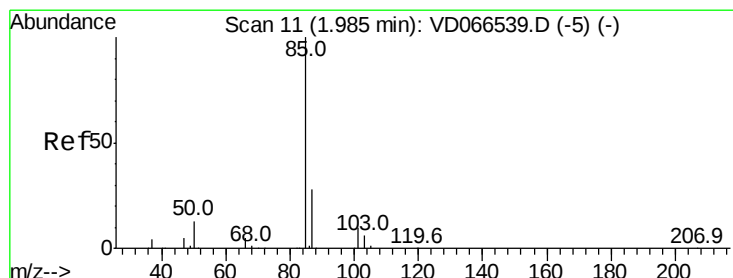
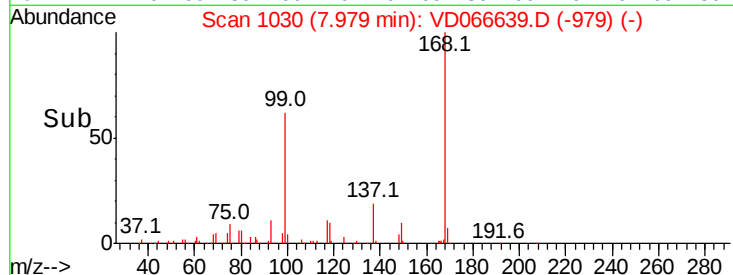
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066639.D

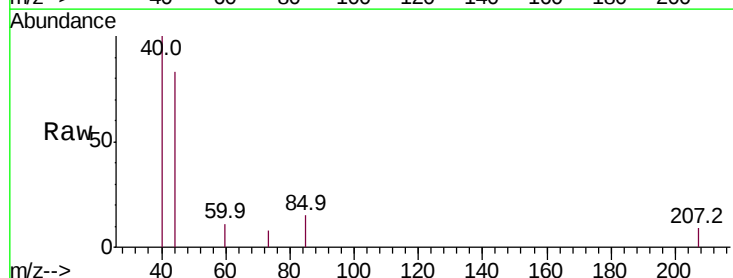
Acq: 11 Sep 2020 04:02

Tgt Ion: 85 Resp: 320

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

500

400

300

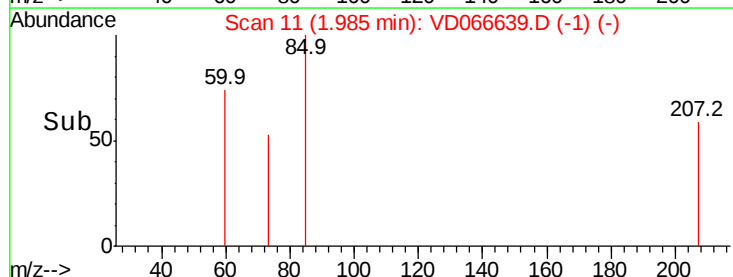
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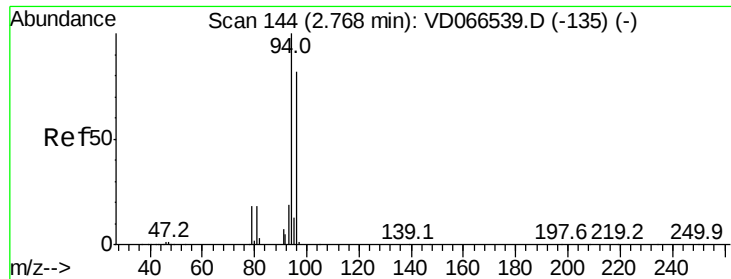
100

0

Time-->

1.96 1.98 2.00





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066639.D

Acq: 11 Sep 2020 04:02

Instrument :

MSVOA_D

ClientSampleId :

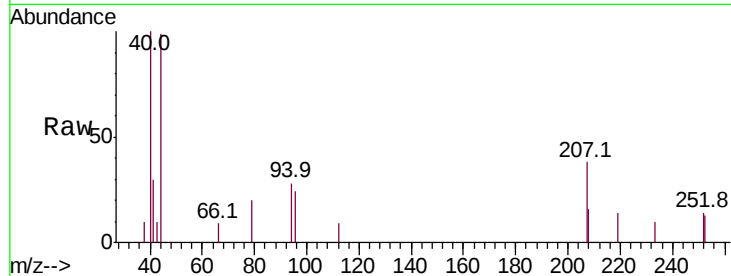
PAV-B41-090820-12-13

Tot Ion: 94 Resp: 693

Ion Ratio Lower Upper

94 100

96 87.3 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

600

400

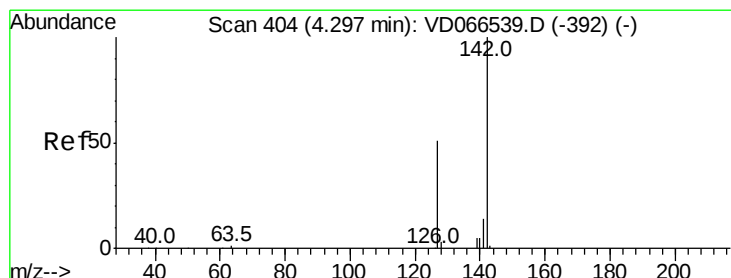
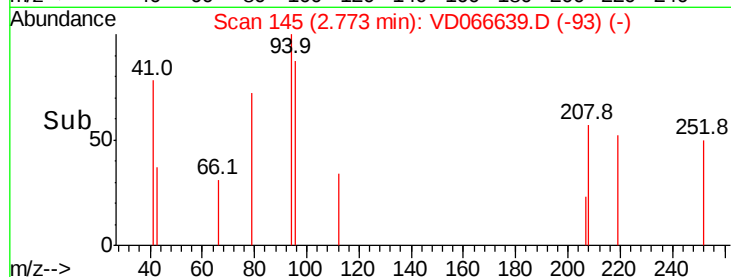
200

0

2.75 2.80

2.77

Time-->



#10

Methyl Iodide

Concen: 4.089 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066639.D

Acq: 11 Sep 2020 04:02

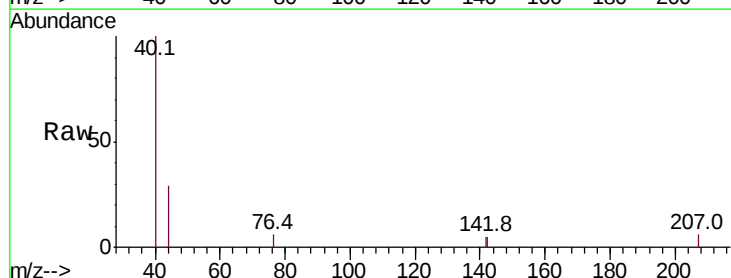
Tgt Ion: 142 Resp: 261

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

300

200

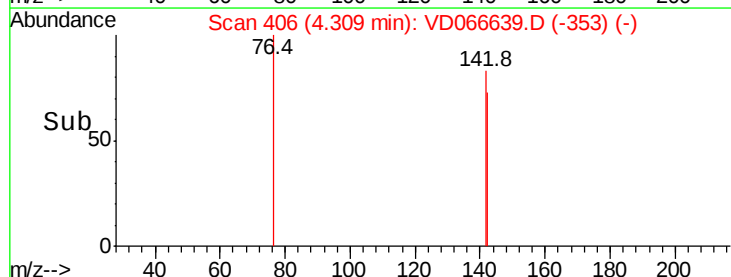
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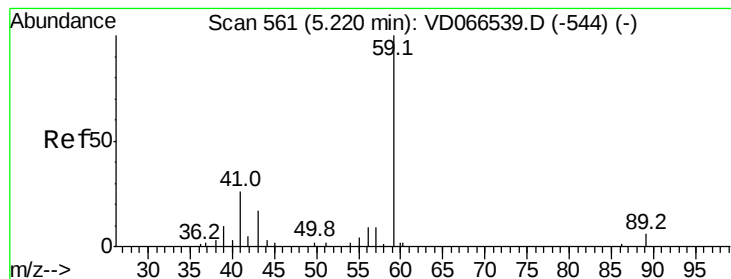
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4.28 4.30 4.32

4.31

Time-->



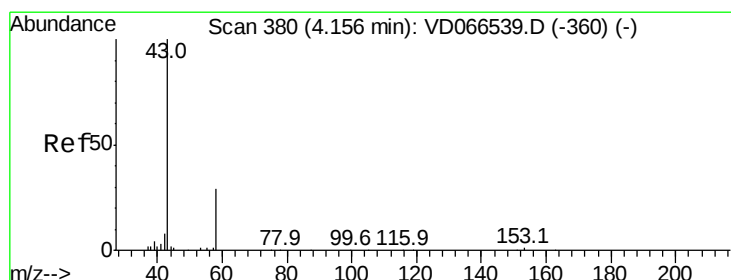
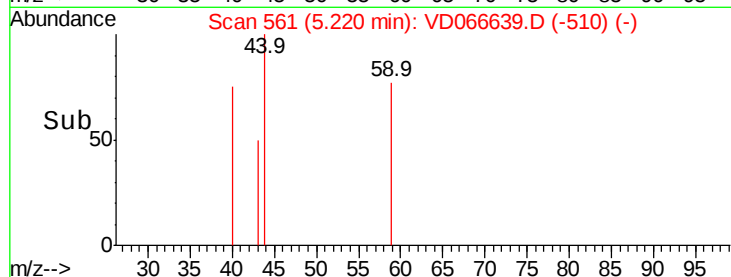
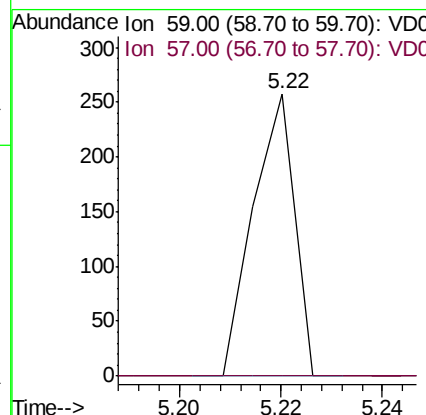
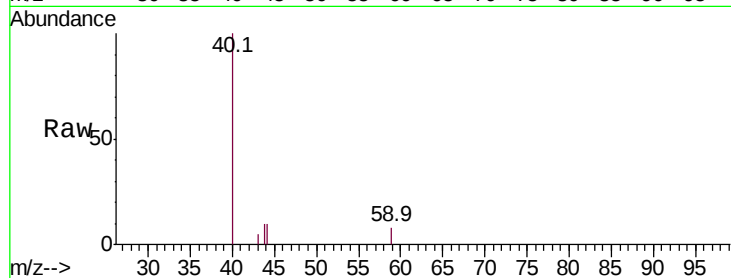


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD066639.D
 Acq: 11 Sep 2020 04:02

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B41-090820-12-13

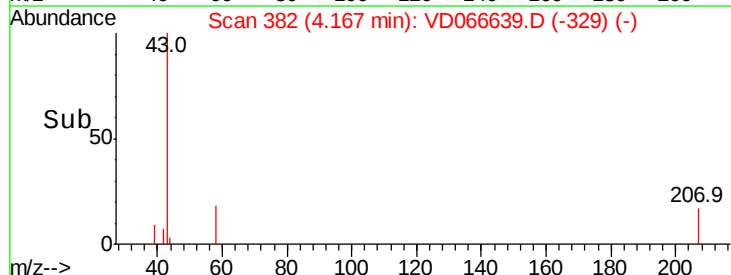
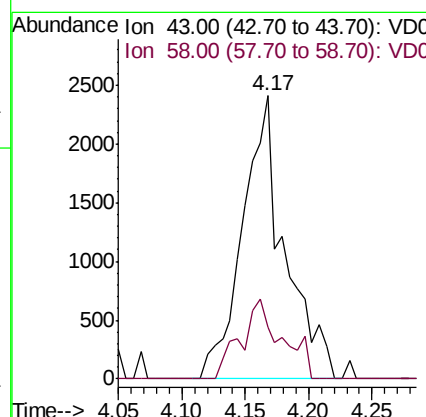
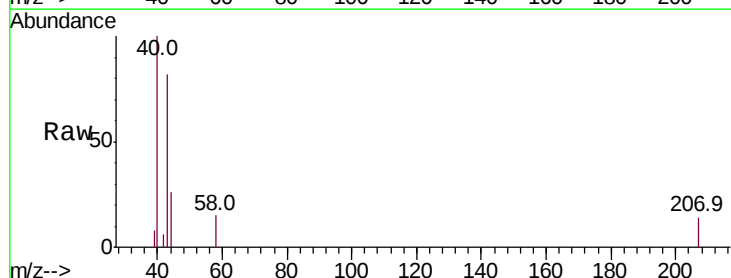
Tot Ion: 59 Resp: 145
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

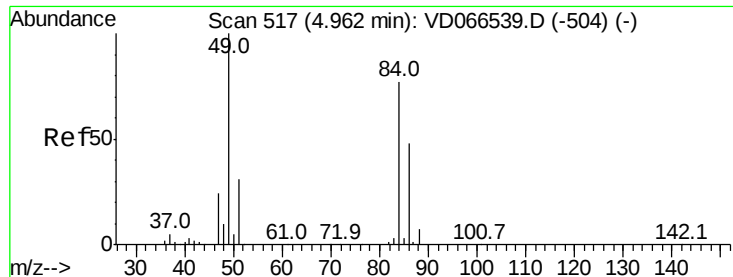


#16

Acetone
 Concen: 7.057 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066639.D
 Acq: 11 Sep 2020 04:02

Tgt Ion: 43 Resp: 5576
 Ion Ratio Lower Upper
 43 100
 58 18.5 22.9 34.3#

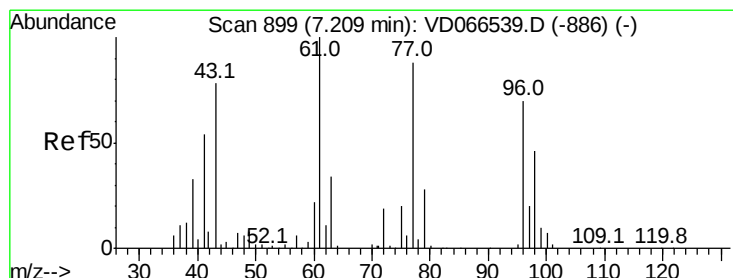
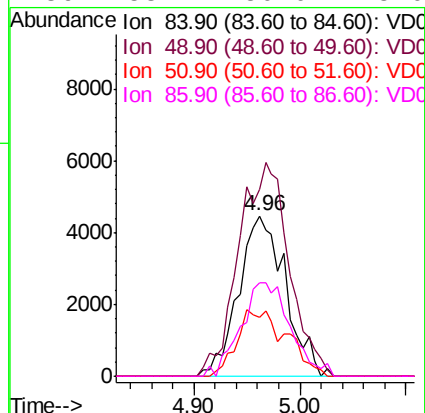
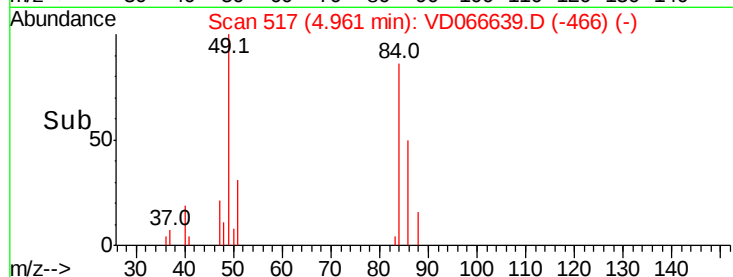
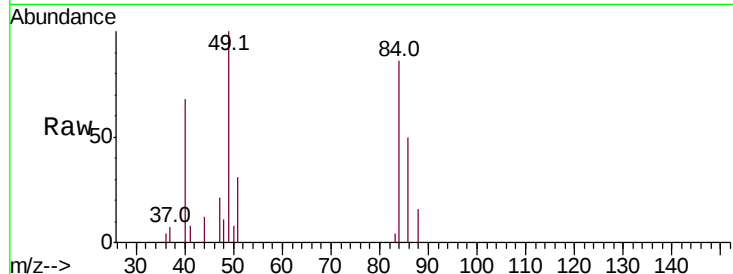




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066639.D
Acq: 11 Sep 2020 04:02

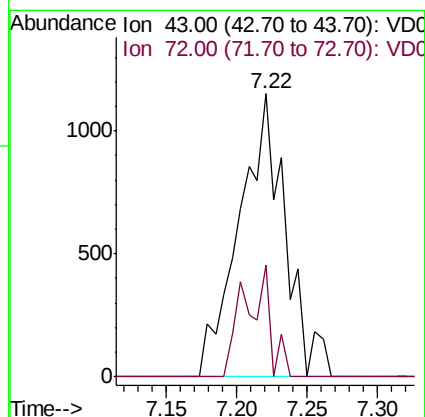
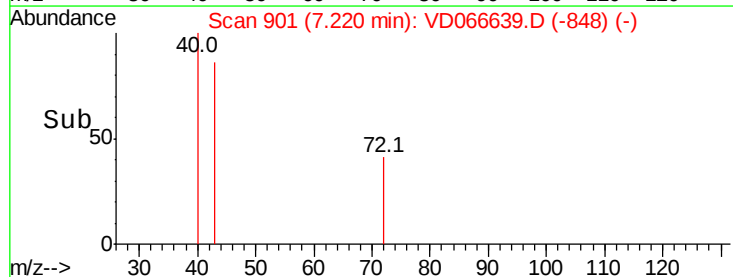
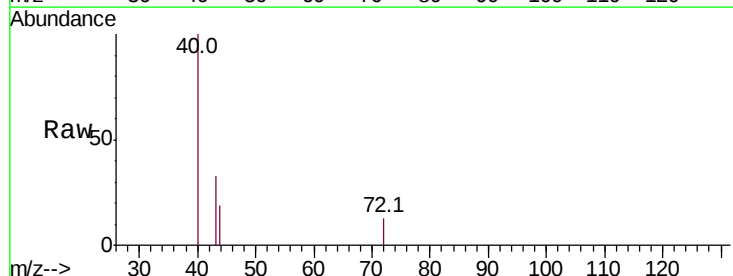
Instrument :
MSVOA_D
ClientSampleId :
PAV-B41-090820-12-13

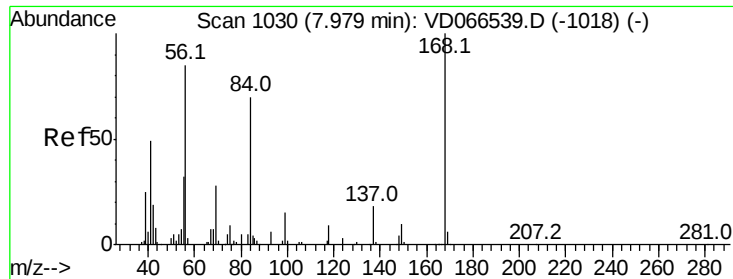
Tot Ion: 84 Resp: 13765
Ion Ratio Lower Upper
84 100
49 116.0 104.3 156.5
51 36.3 32.2 48.4
86 58.1 50.0 75.0



#25
2-Butanone
Concen: 2.461 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD066639.D
Acq: 11 Sep 2020 04:02

Tgt Ion: 43 Resp: 2610
Ion Ratio Lower Upper
43 100
72 39.7 19.8 29.6#

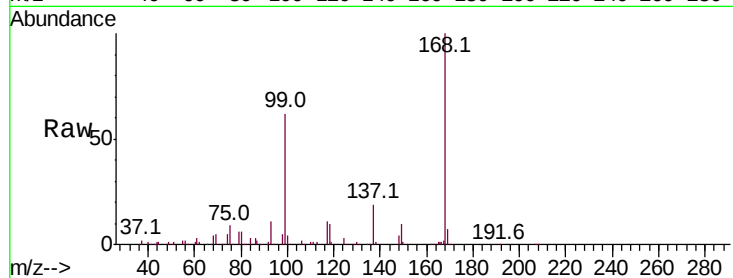




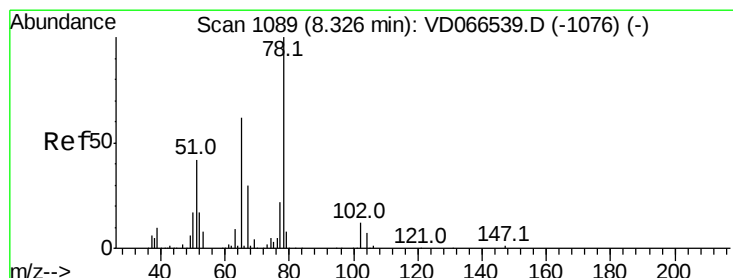
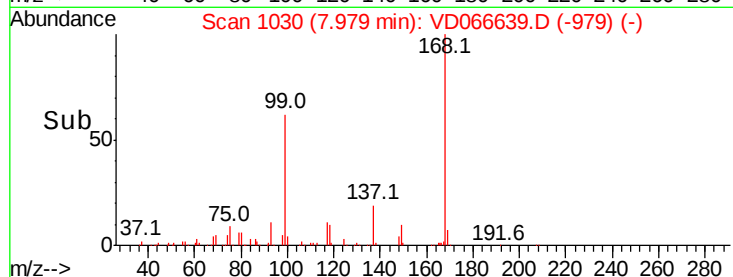
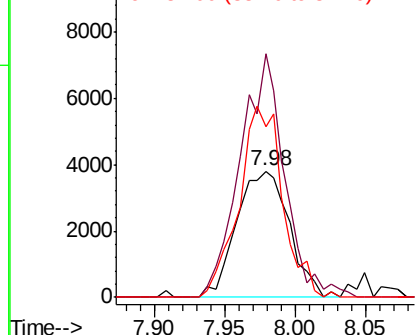
#31
Cyclohexane
Concen: 1.423 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066639.D
Acq: 11 Sep 2020 04:02

Instrument :
MSVOA_D
ClientSampleId :
PAV-B41-090820-12-13

Tot Ion: 56 Resp: 9969
Ion Ratio Lower Upper
56 100
69 193.1 26.3 39.5#
84 135.5 66.1 99.1#

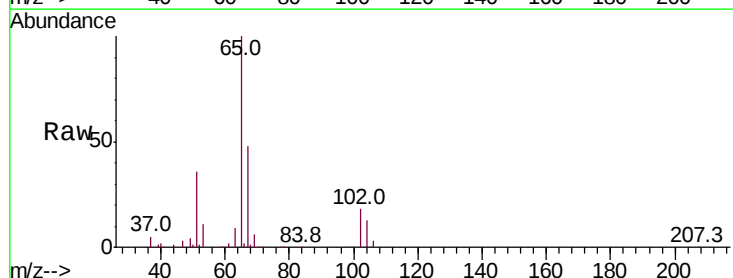


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

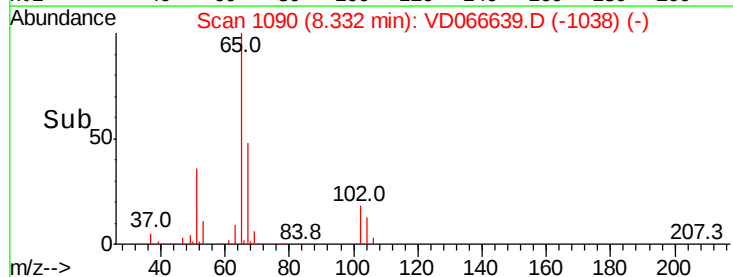
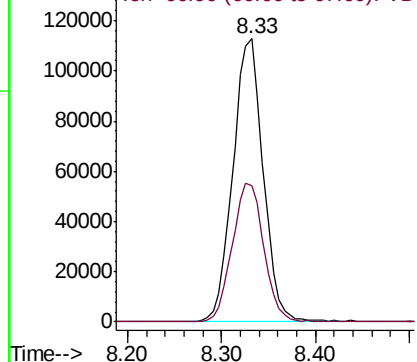


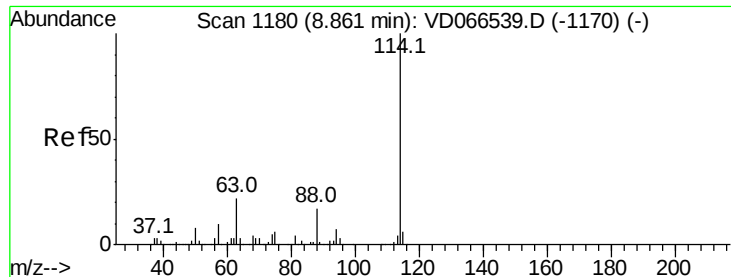
#33
1,2-Dichloroethane-d4
Concen: 58.719 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VD066639.D
Acq: 11 Sep 2020 04:02

Tgt Ion: 65 Resp: 252153
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

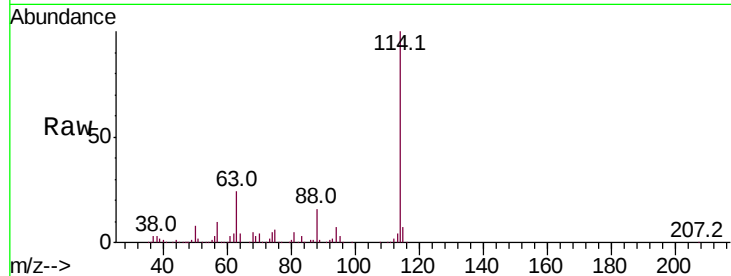




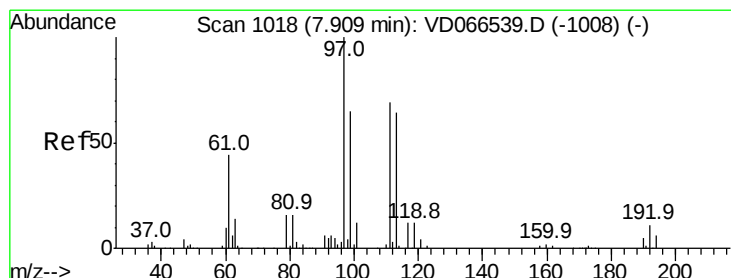
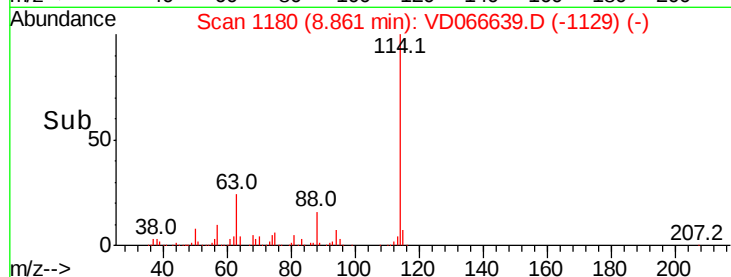
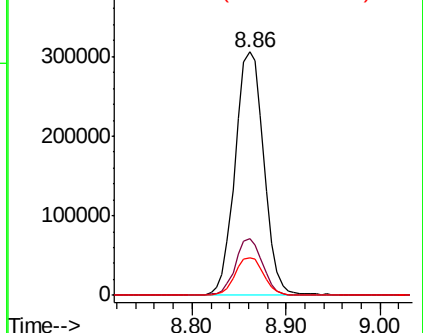
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066639.D
 Acq: 11 Sep 2020 04:02

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B41-090820-12-13

Tot Ion:114 Resp: 648256
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 43.2
 88 15.5 0.0 33.2

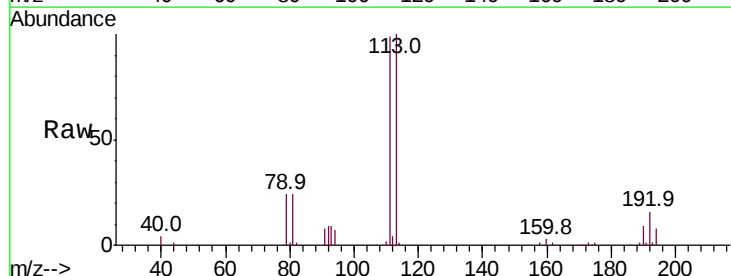


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

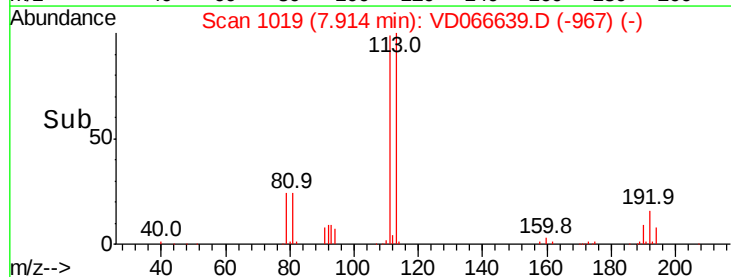
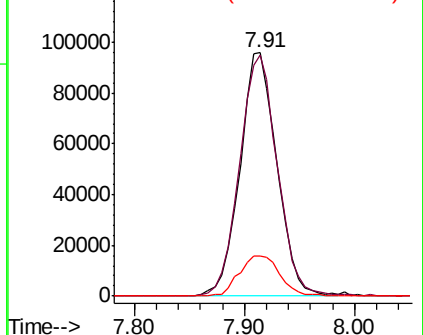


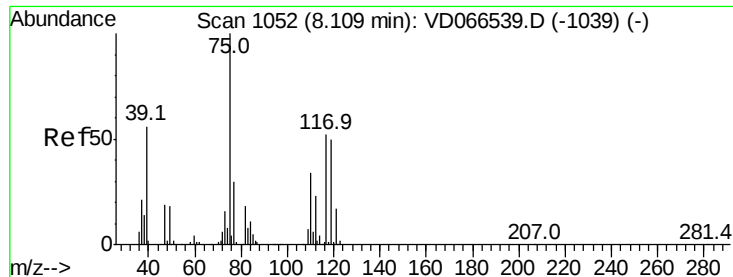
#35
 Dibromofluoromethane
 Concen: 51.737 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066639.D
 Acq: 11 Sep 2020 04:02

Tgt Ion:113 Resp: 226255
 Ion Ratio Lower Upper
 113 100
 111 101.0 83.2 124.8
 192 18.1 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: 5.070 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066639.D

Acq: 11 Sep 2020 04:02

Instrument :

MSVOA_D

ClientSampleId :

PAV-B41-090820-12-13

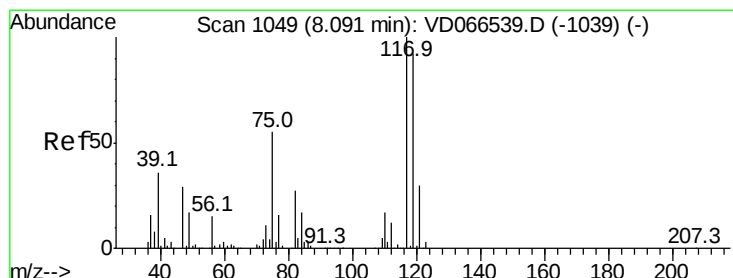
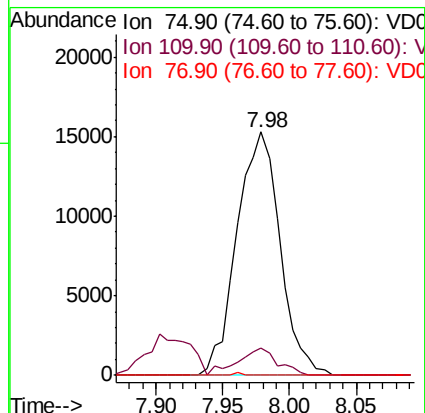
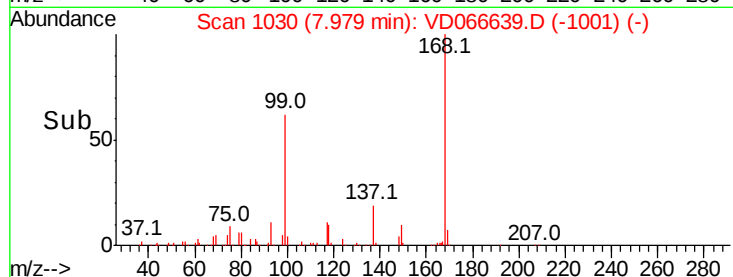
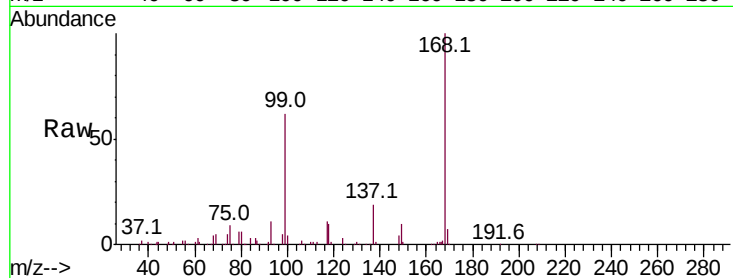
Tot Ion: 75 Resp: 34204

Ion Ratio Lower Upper

75 100

110 9.3 17.3 52.0#

77 0.2 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.392 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066639.D

Acq: 11 Sep 2020 04:02

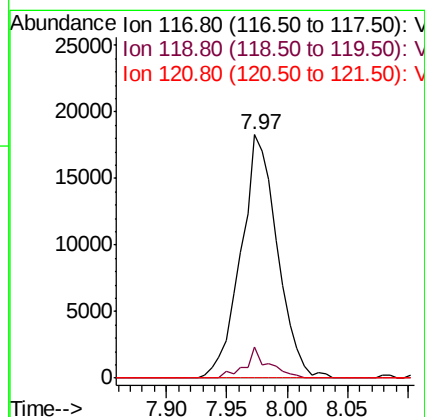
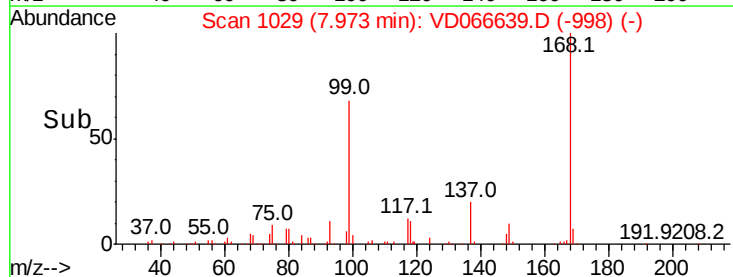
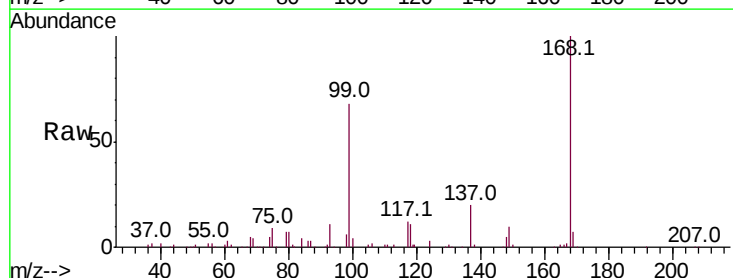
Tgt Ion: 117 Resp: 38453

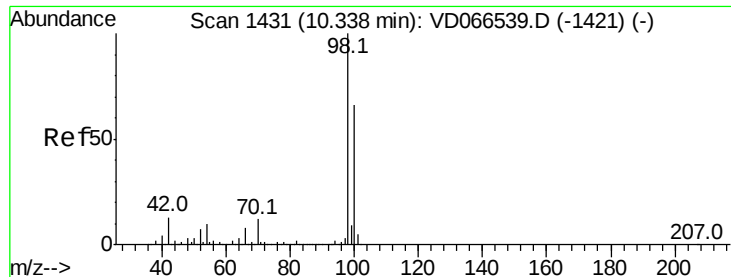
Ion Ratio Lower Upper

117 100

119 12.6 73.9 110.9#

121 0.0 24.1 36.1#

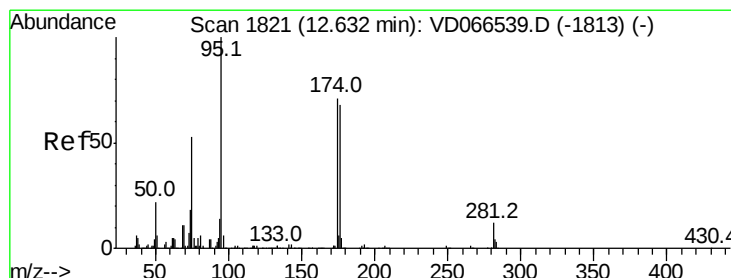
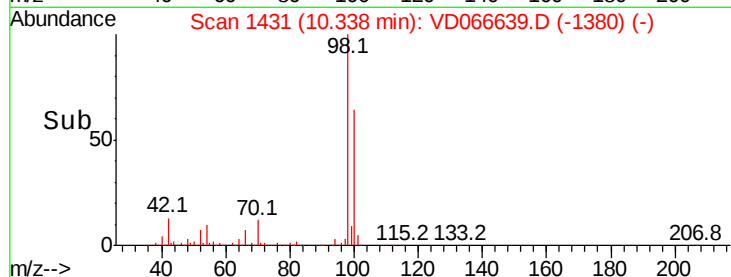
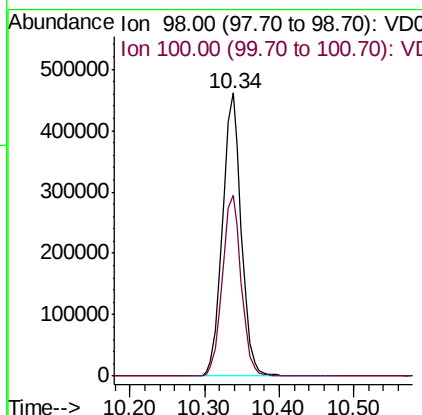
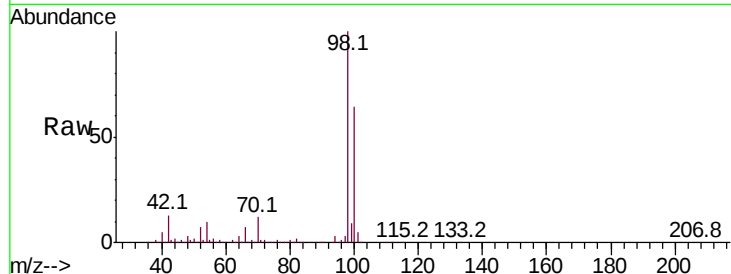




#50
Toluene-d8
Concen: 51.644 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066639.D
Acq: 11 Sep 2020 04:02

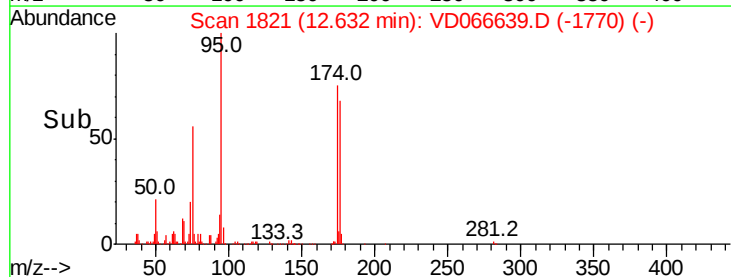
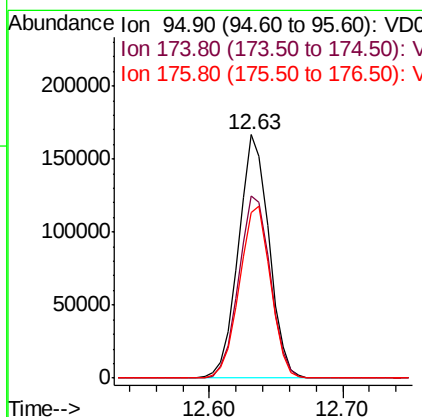
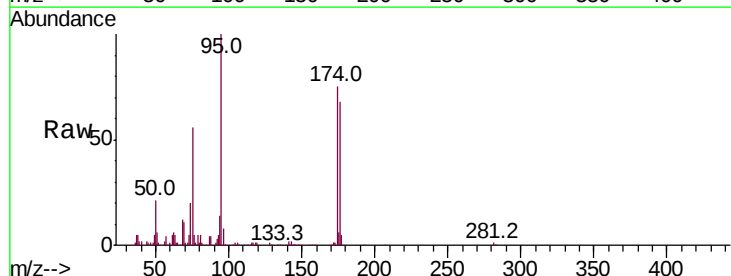
Instrument :
MSVOA_D
ClientSampleId :
PAV-B41-090820-12-13

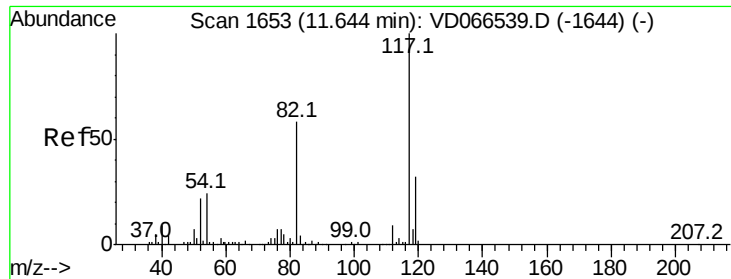
Tot Ion: 98 Resp: 807224
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 50.884 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066639.D
Acq: 11 Sep 2020 04:02

Tgt Ion: 95 Resp: 263724
Ion Ratio Lower Upper
95 100
174 77.4 0.0 155.8
176 71.9 0.0 148.6

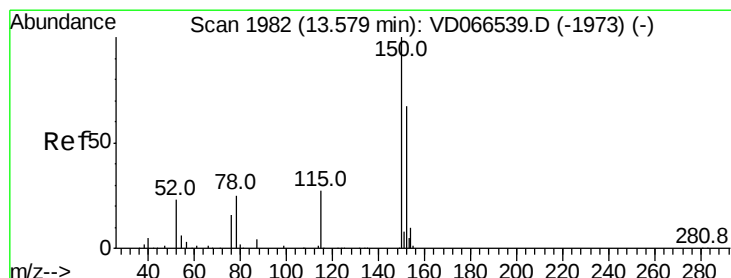
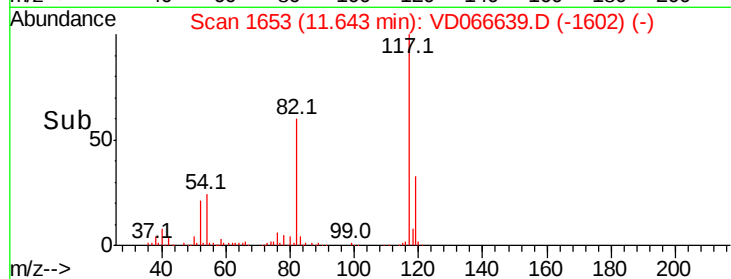
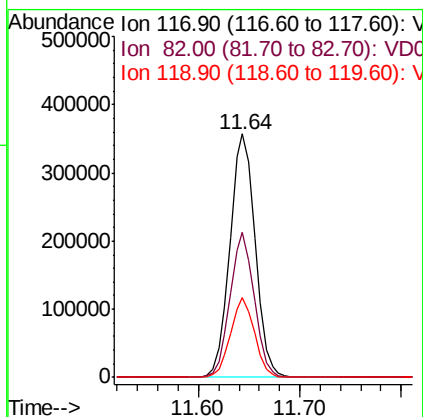
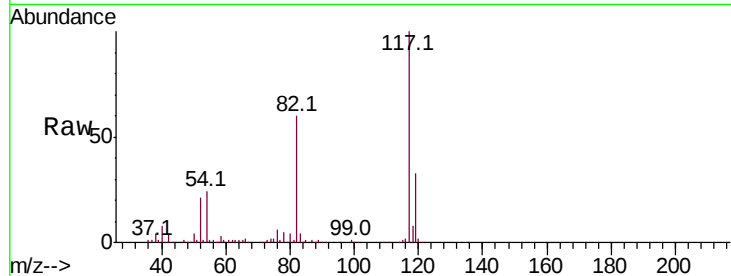




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066639.D
Acq: 11 Sep 2020 04:02

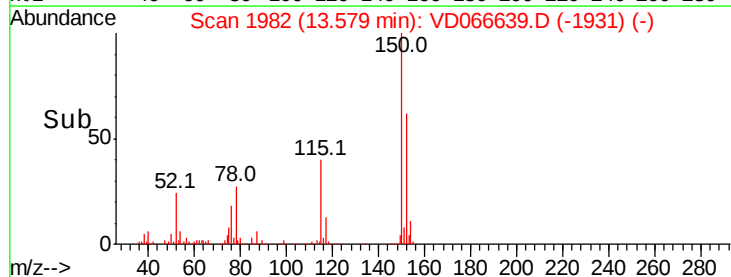
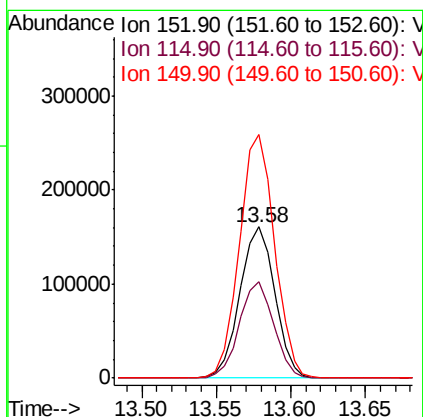
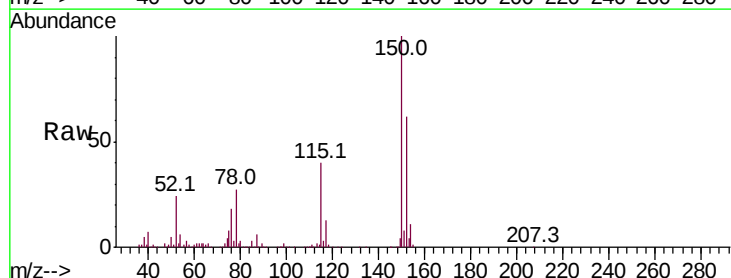
Instrument :
MSVOA_D
ClientSampleId :
PAV-B41-090820-12-13

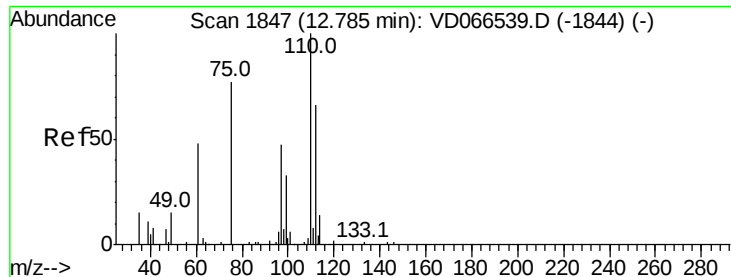
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.2	69.2
119	32.7	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066639.D
Acq: 11 Sep 2020 04:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	30.4	91.2
150	161.4	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 58.589 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066639.D

Acq: 11 Sep 2020 04:02

Instrument :

MSVOA_D

ClientSampleId :

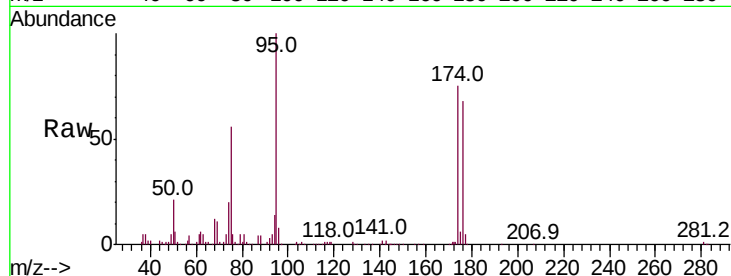
PAV-B41-090820-12-13

Tot Ion: 75 Resp: 147689

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

100000

80000

60000

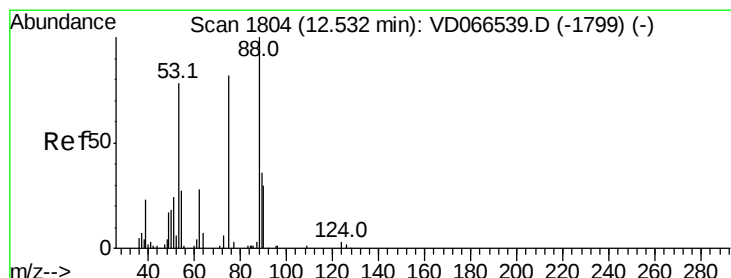
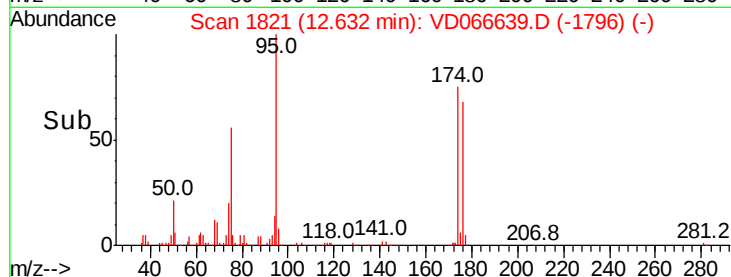
40000

20000

0

12.60 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 136.785 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066639.D

Acq: 11 Sep 2020 04:02

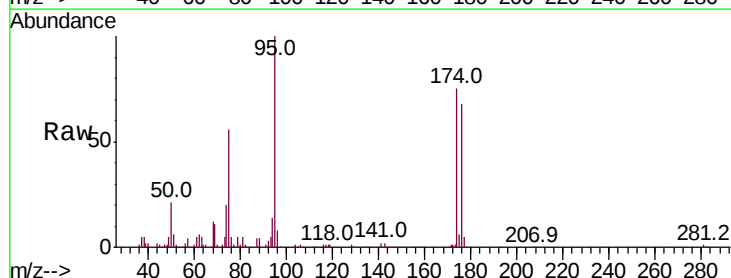
Tgt Ion: 75 Resp: 147689

Ion Ratio Lower Upper

75 100

53 0.0 87.0 130.4#

89 0.0 37.1 55.7#



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

12.63

120000

100000

80000

60000

40000

20000

0

12.60 12.70

Time-->

