

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066796.D
 Acq On : 21 Sep 2020 21:22
 Operator : VA/SY
 Sample : L4104-05
 Misc : 5.21G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-092120-DP

Quant Time: Sep 22 00:56:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	383820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	724538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	712215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307985	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	243367	59.43	ug/l	0.00
Spiked Amount			Recovery	=	118.86%	
35) Dibromofluoromethane	7.91	113	244525	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	
50) Toluene-d8	10.34	98	884847	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	
62) 4-Bromofluorobenzene	12.63	95	300043	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	

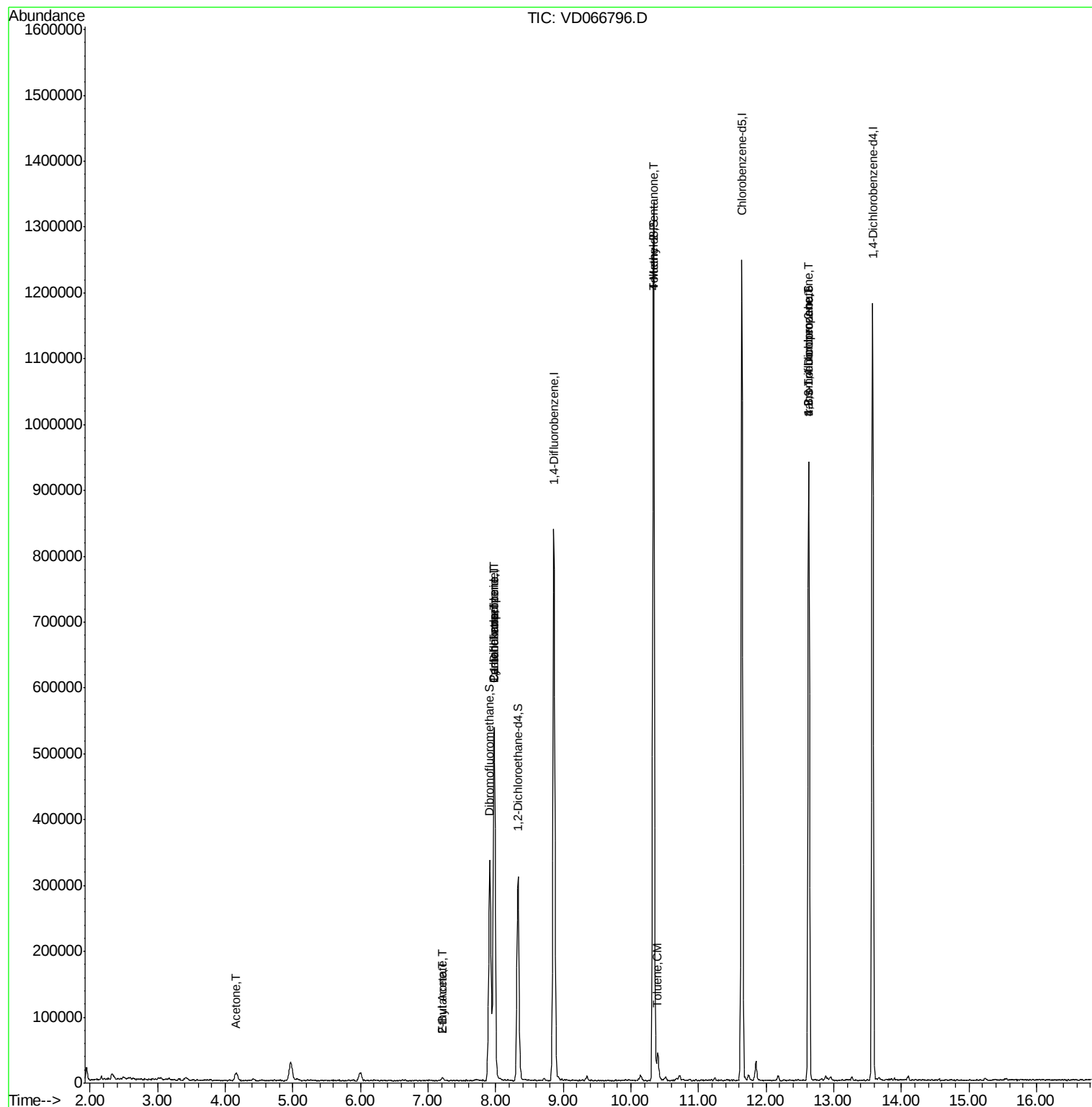
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	67	Below Cal	#	76
16) Acetone	4.16	43	23111	27.713	ug/l	97
18) Methyl Acetate	4.72	43	310	Below Cal		97
20) Methylene Chloride	4.98	84	22036	Below Cal	#	81
25) 2-Butanone	7.21	43	6788	6.251	ug/l	96
31) Cyclohexane	7.97	56	9770	1.351	ug/l #	27
36) 1,1-Dichloropropene	7.98	75	33244	4.463	ug/l #	51
37) Ethyl Acetate	7.21	43	6788	2.407	ug/l #	70
38) Carbon Tetrachloride	7.98	117	40987	5.181	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	4085	1.495	ug/l #	1
52) Toluene	10.40	92	16174	1.253	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	162119	61.497	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	162119	132.720	ug/l #	8

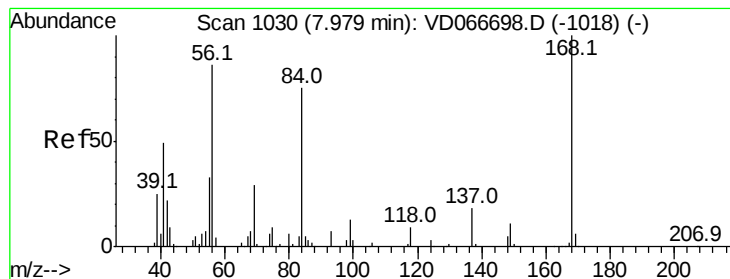
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092120\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066796.D

Acq: 21 Sep 2020 21:22

Instrument :

MSVOA_D

ClientSampleId :

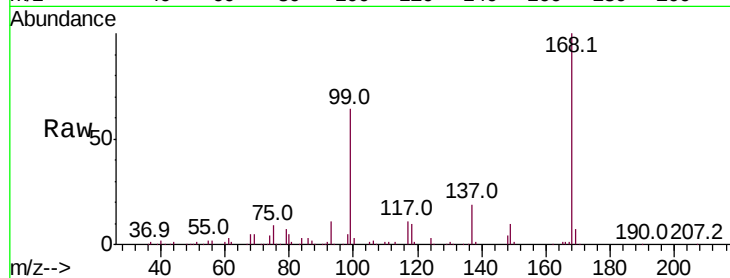
PAV-092120-DP

Tot Ion:168 Resp: 383820

Ion Ratio Lower Upper

168 100

99 63.8 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

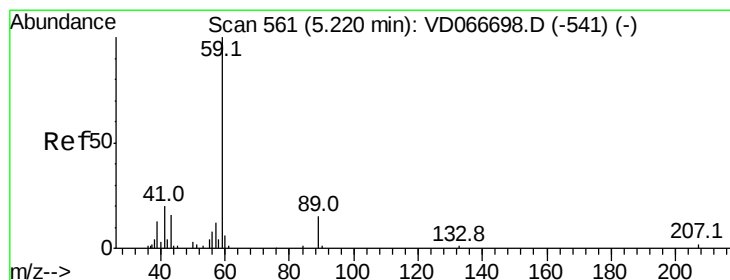
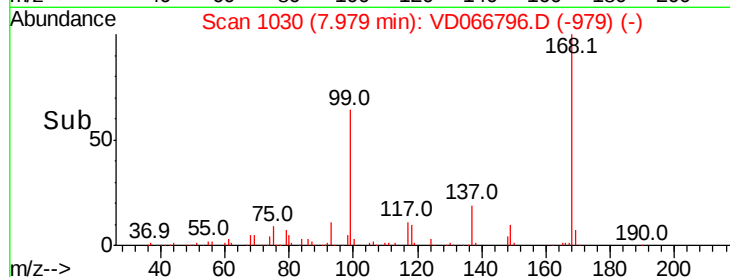
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD066796.D

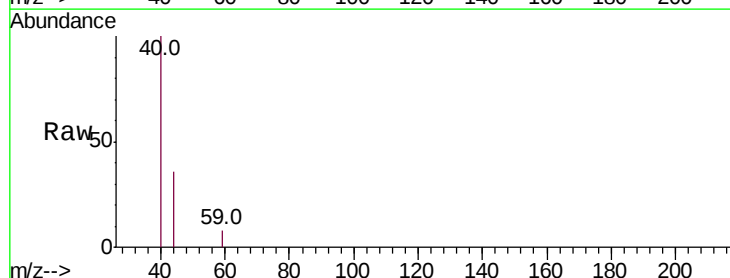
Acq: 21 Sep 2020 21:22

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.19

200

150

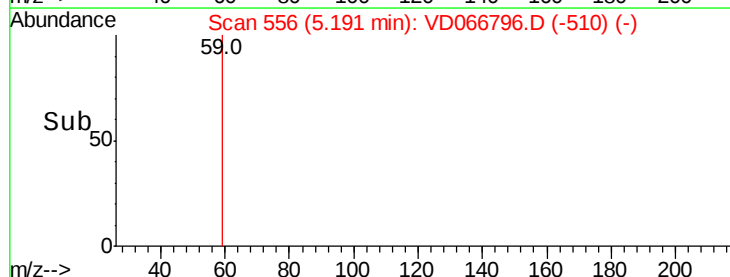
100

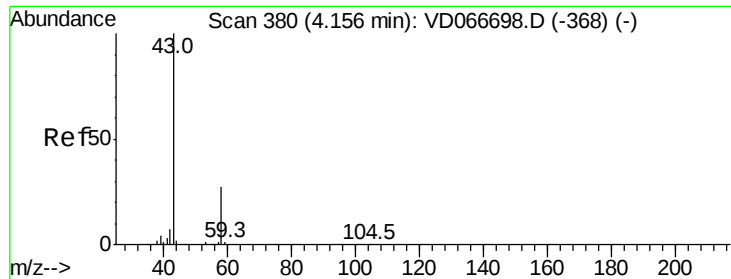
50

0

Time-->

5.17 5.18 5.19 5.20 5.21





#16

Acetone

Concen: 27.713 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066796.D

Acq: 21 Sep 2020 21:22

Instrument :

MSVOA_D

ClientSampleId :

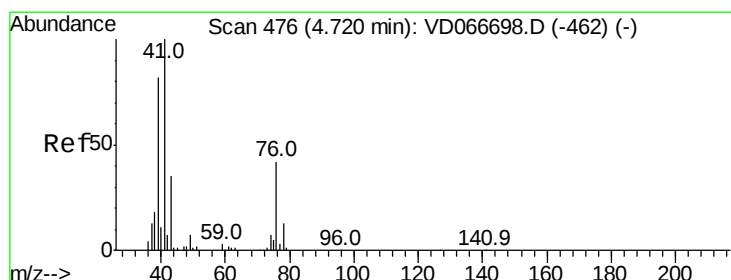
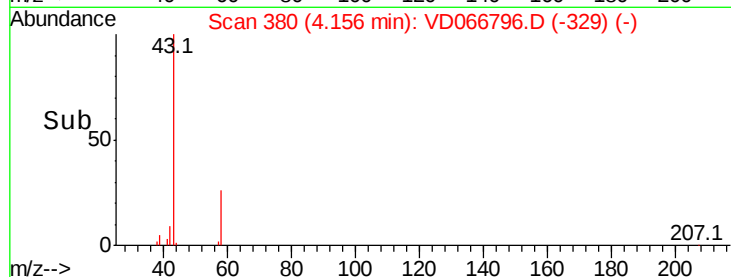
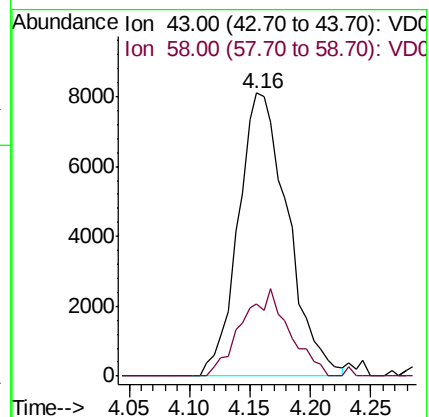
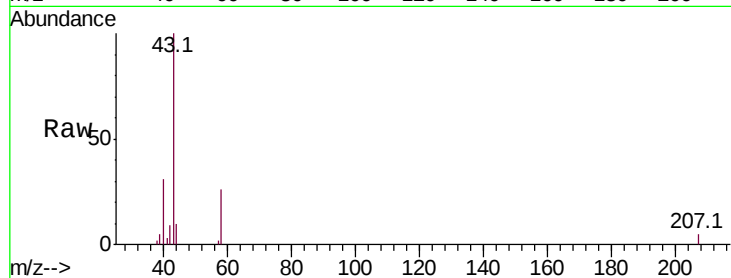
PAV-092120-DP

Tot Ion: 43 Resp: 23111

Ion Ratio Lower Upper

43 100

58 25.7 21.9 32.9



#18

Methyl Acetate

Concen: Below Cal

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD066796.D

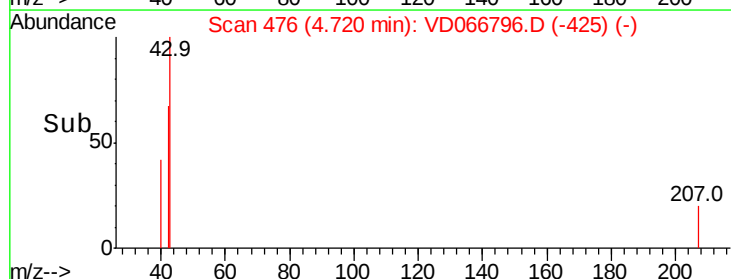
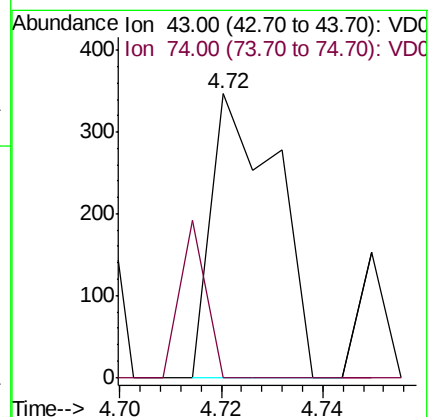
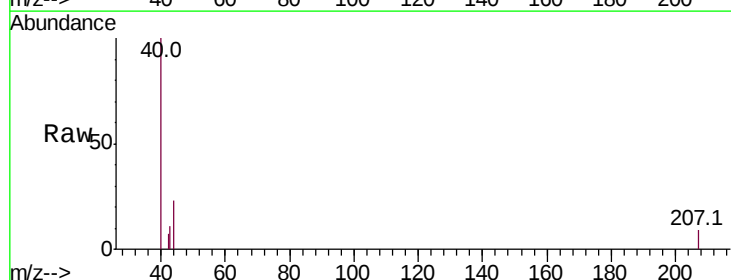
Acq: 21 Sep 2020 21:22

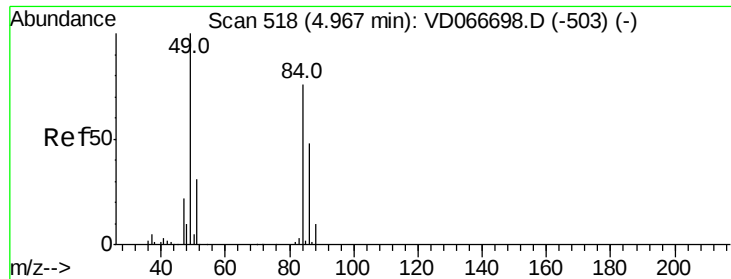
Tgt Ion: 43 Resp: 310

Ion Ratio Lower Upper

43 100

74 21.9 18.6 28.0

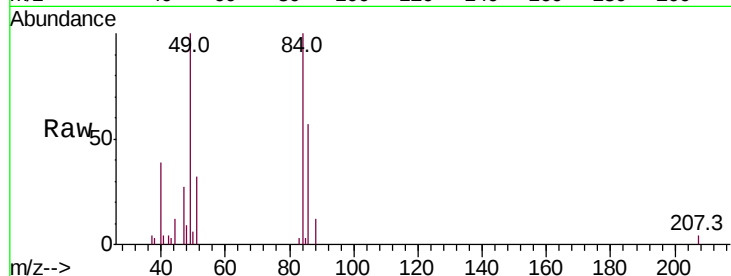




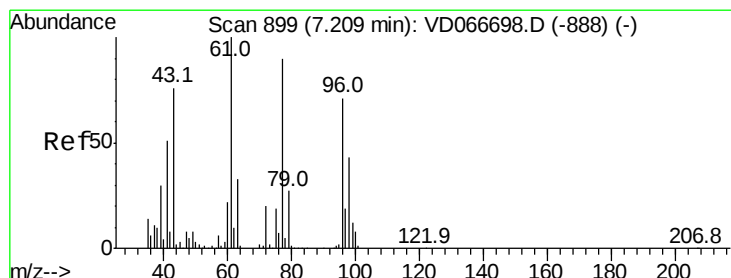
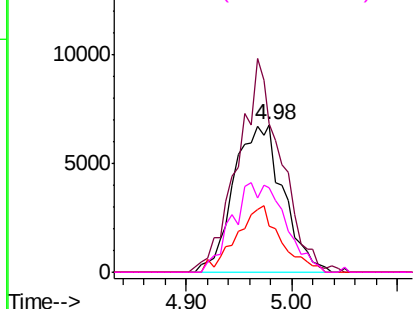
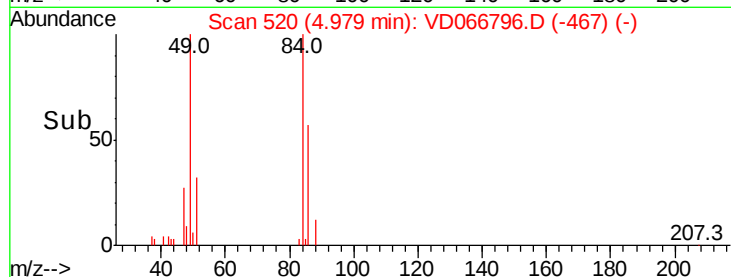
#20
Methylene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD066796.D
Acq: 21 Sep 2020 21:22

Instrument :
MSVOA_D
ClientSampleId :
PAV-092120-DP

Tot Ion: 84 Resp: 22036
Ion Ratio Lower Upper
84 100
49 100.3 105.0 157.6#
51 31.6 32.2 48.4#
86 57.0 50.4 75.6

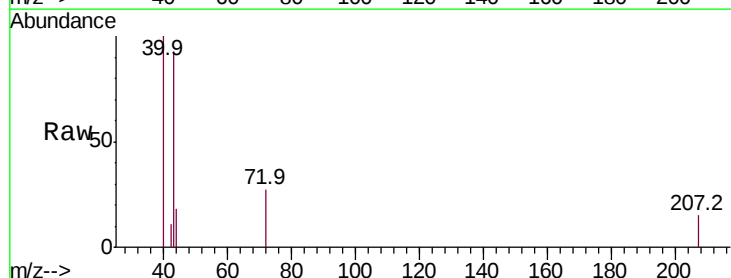


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

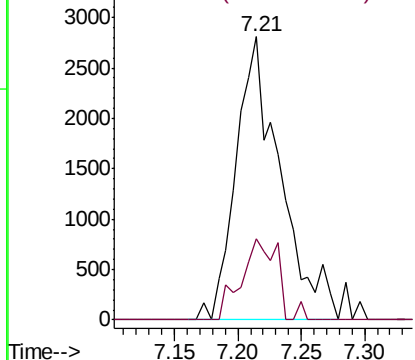
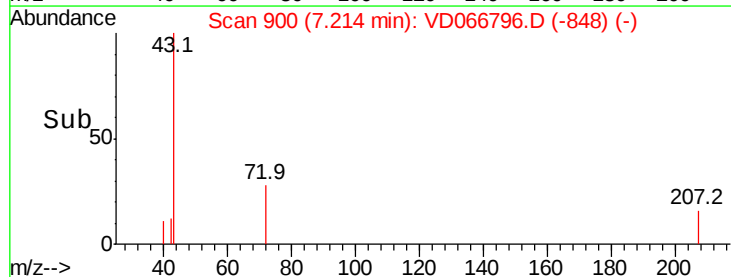


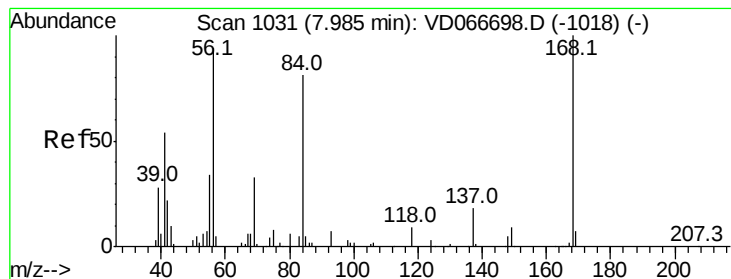
#25
2-Butanone
Concen: 6.251 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066796.D
Acq: 21 Sep 2020 21:22

Tgt Ion: 43 Resp: 6788
Ion Ratio Lower Upper
43 100
72 28.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.351 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066796.D

Acq: 21 Sep 2020 21:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-092120-DP

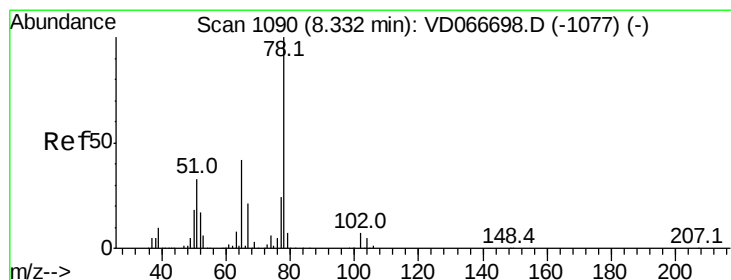
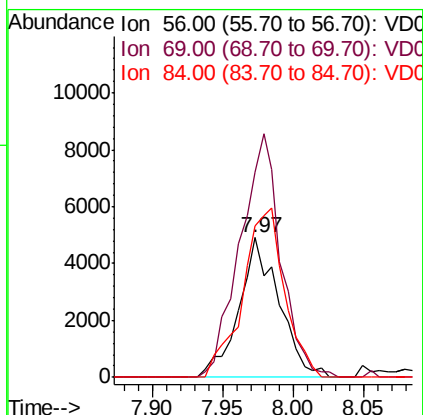
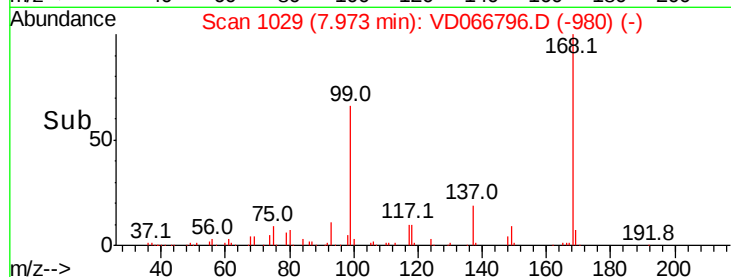
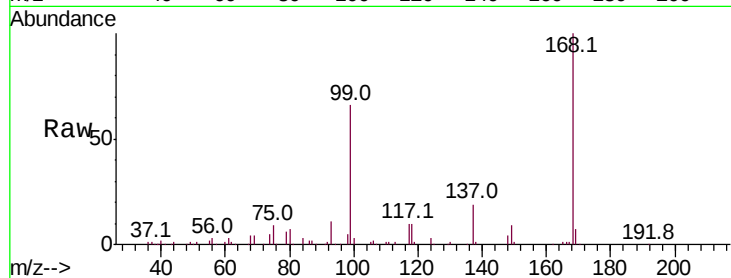
Tot Ion: 56 Resp: 9770

Ion Ratio Lower Upper

56 100

69 146.9 27.7 41.5#

84 107.9 68.5 102.7#



#33

1,2-Dichloroethane-d4

Concen: 59.428 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066796.D

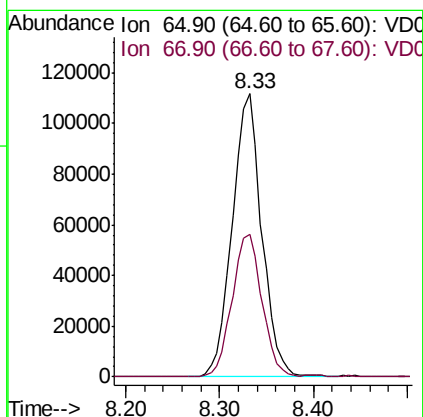
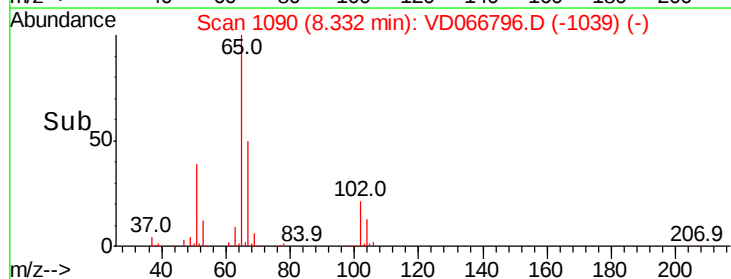
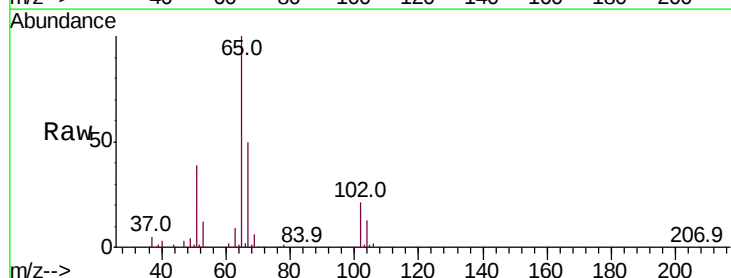
Acq: 21 Sep 2020 21:22

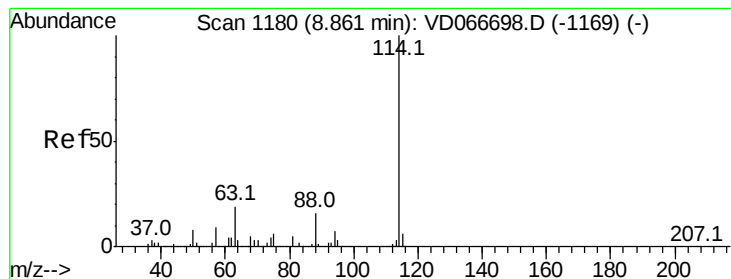
Tgt Ion: 65 Resp: 243367

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066796.D

Acq: 21 Sep 2020 21:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-092120-DP

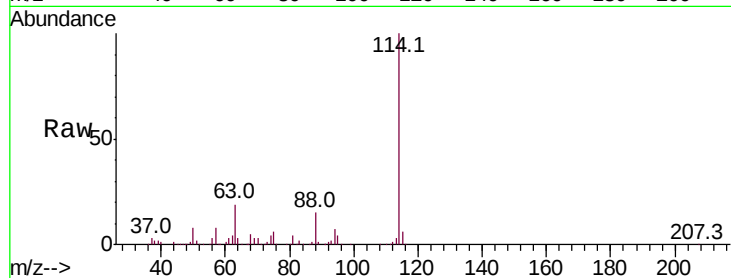
Tot Ion:114 Resp: 724538

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.6

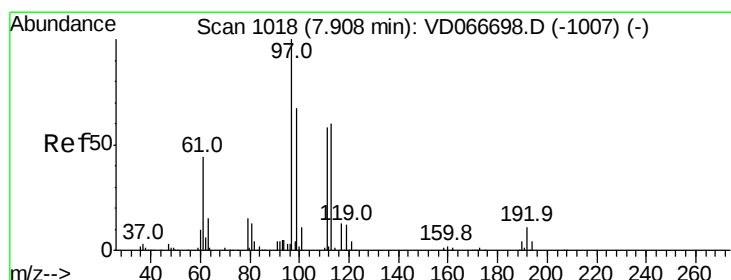
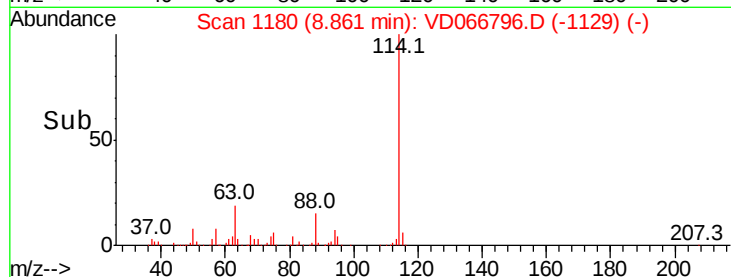
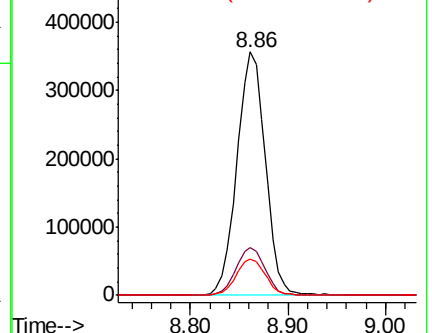
88 14.9 0.0 32.2



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: 55.047 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066796.D

Acq: 21 Sep 2020 21:22

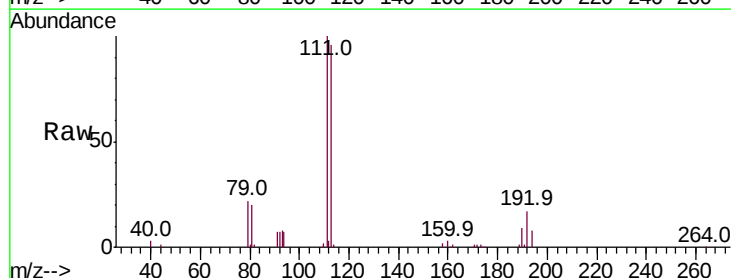
Tgt Ion:113 Resp: 244525

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

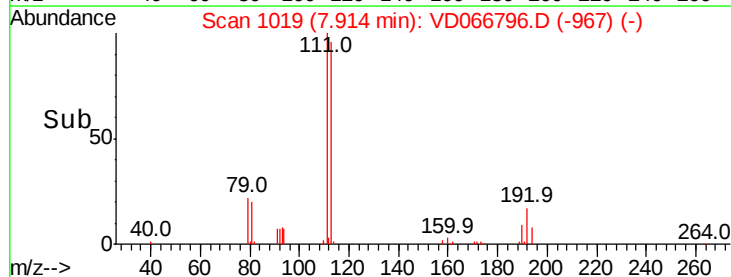
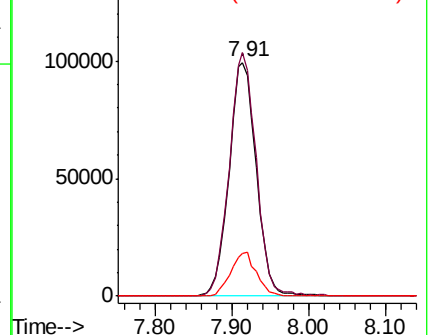
192 17.7 14.8 22.2

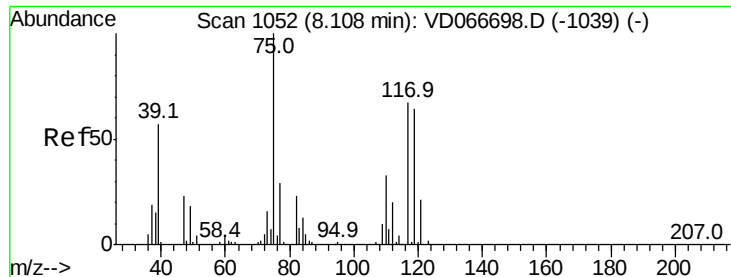


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.463 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066796.D

Acq: 21 Sep 2020 21:22

Instrument :

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PAV-092120-DP

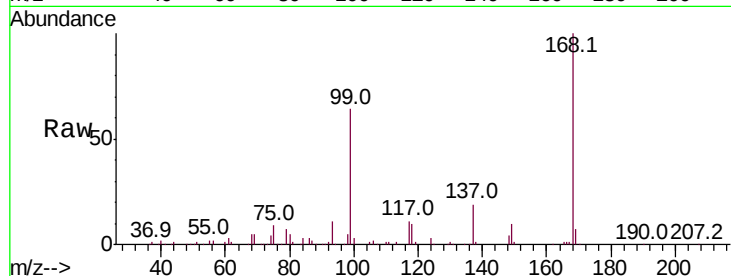
Tot Ion: 75 Resp: 33244

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.2#

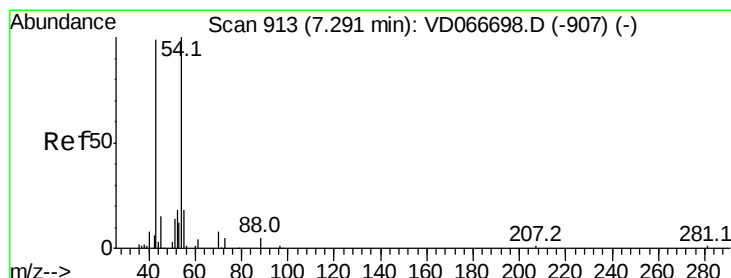
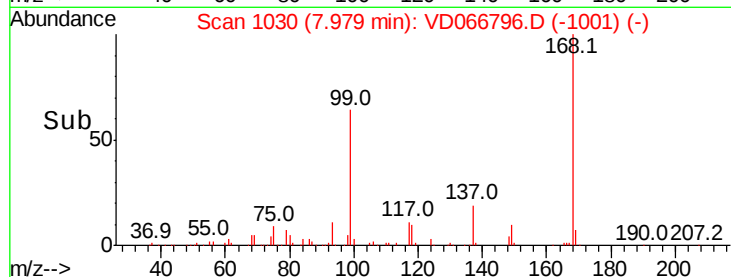
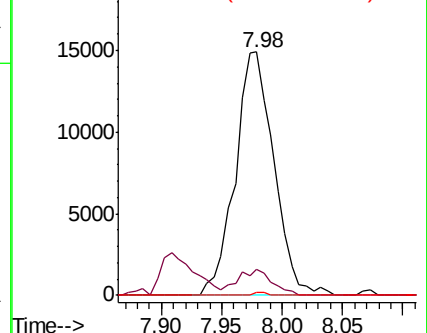
77 0.4 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 2.407 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD066796.D

Acq: 21 Sep 2020 21:22

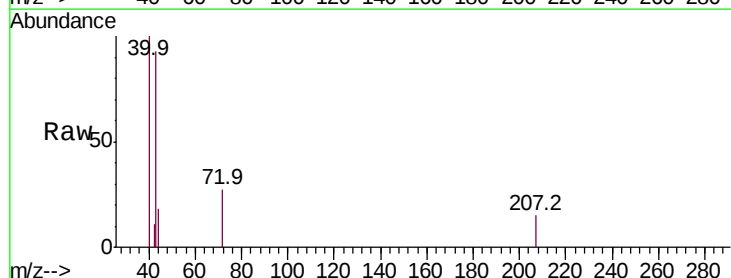
Tgt Ion: 43 Resp: 6788

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

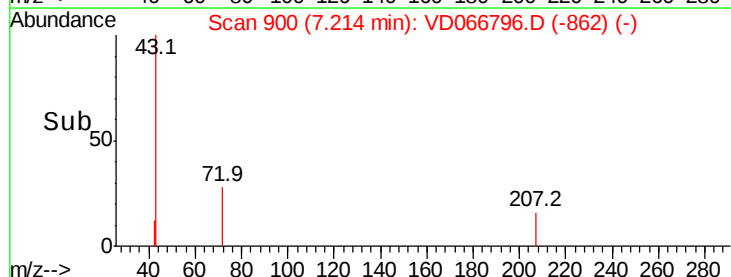
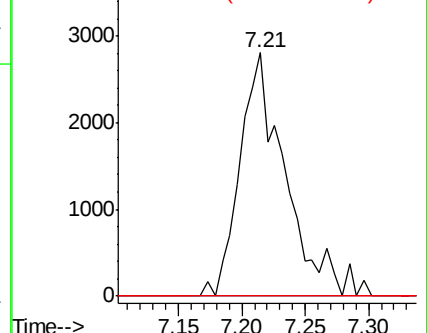
70 0.0 7.5 11.3#

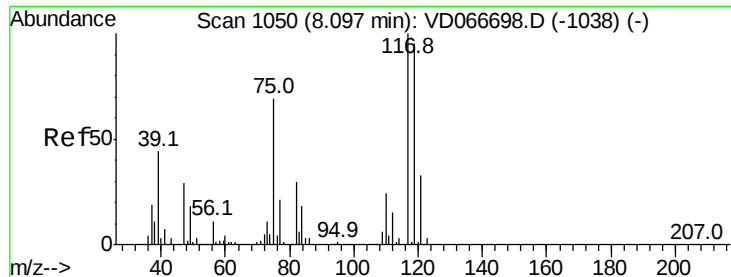


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC

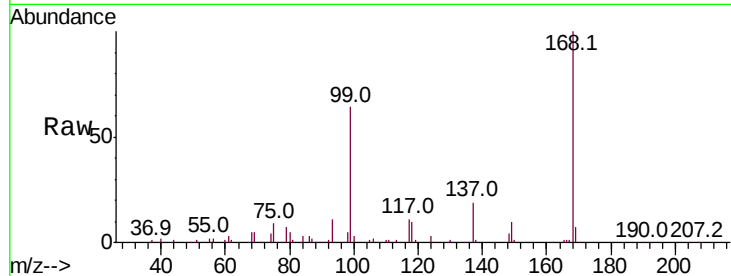




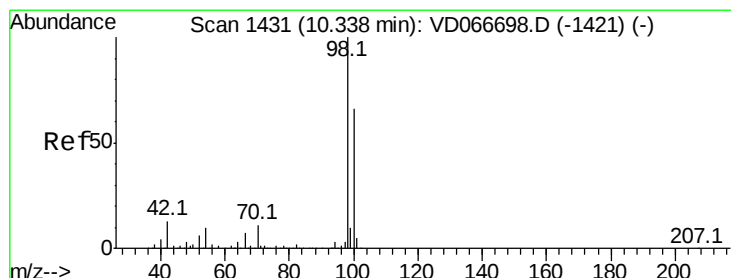
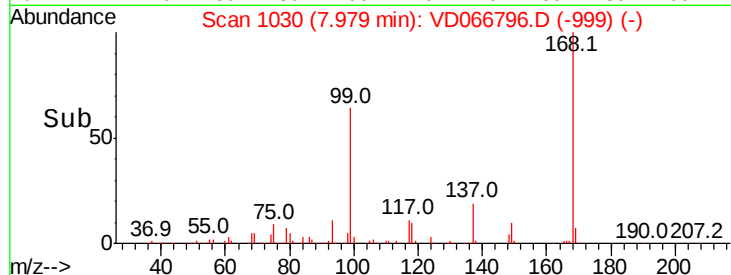
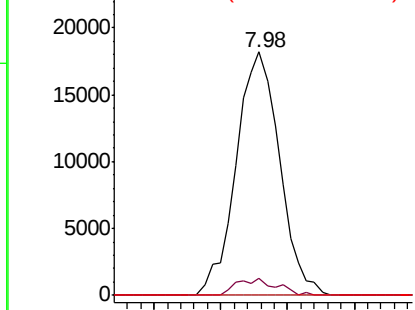
#38
Carbon Tetrachloride
Concen: 5.181 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066796.D
Acq: 21 Sep 2020 21:22

Instrument :
MSVOA_D
ClientSampleId :
PAV-092120-DP

Tot Ion:117 Resp: 40987
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 26.2 39.4#

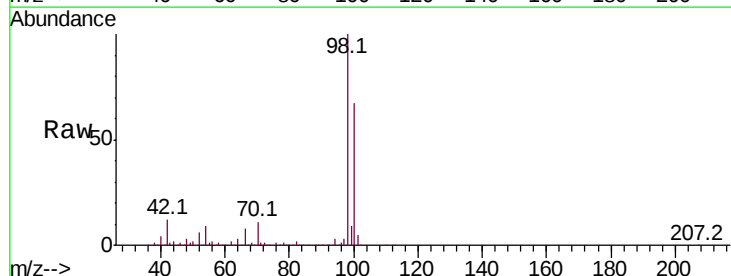


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

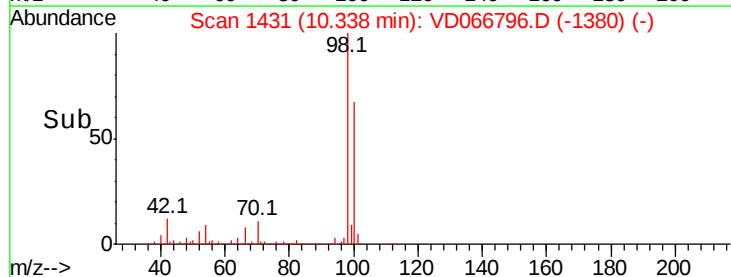
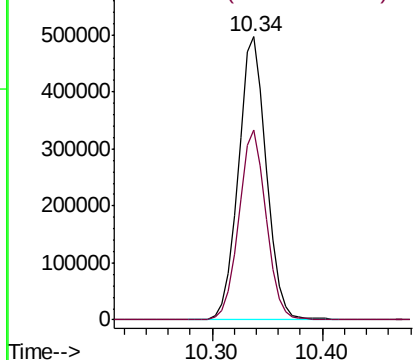


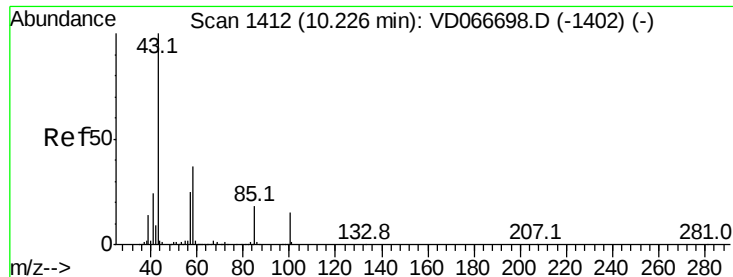
#50
Toluene-d8
Concen: 55.910 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066796.D
Acq: 21 Sep 2020 21:22

Tgt Ion: 98 Resp: 884847
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.495 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066796.D

Acq: 21 Sep 2020 21:22

Instrument :

MSVOA_D

ClientSampleId :

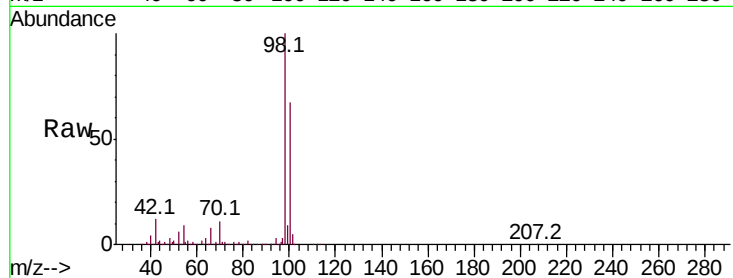
PAV-092120-DP

Tot Ion: 43 Resp: 4085

Ion Ratio Lower Upper

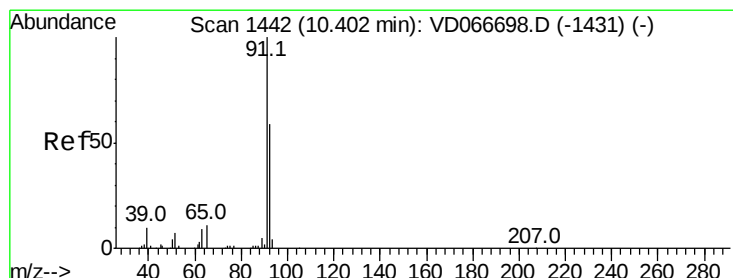
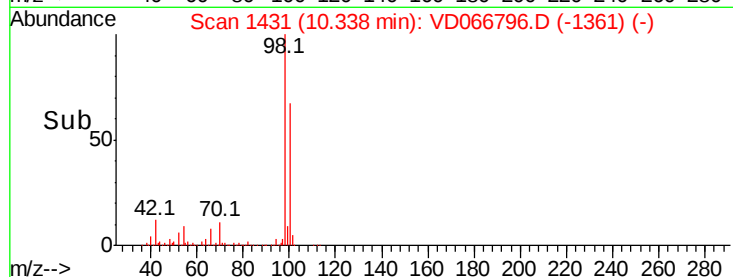
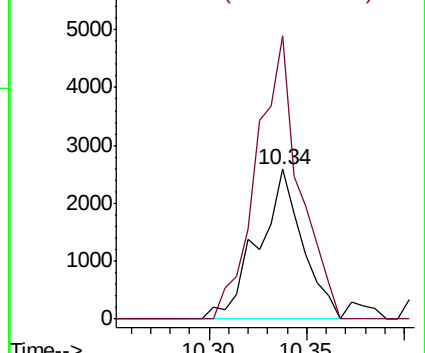
43 100

58 182.8 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 1.253 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066796.D

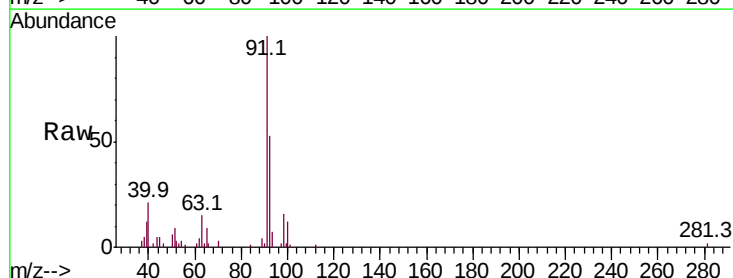
Acq: 21 Sep 2020 21:22

Tgt Ion: 92 Resp: 16174

Ion Ratio Lower Upper

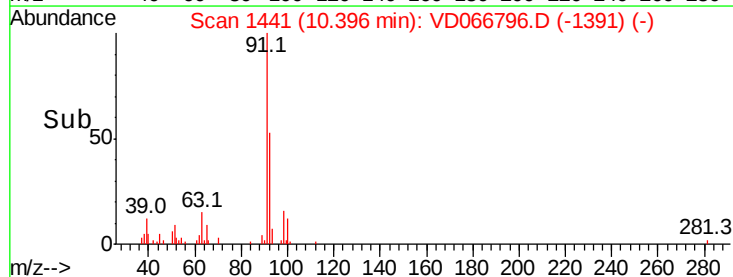
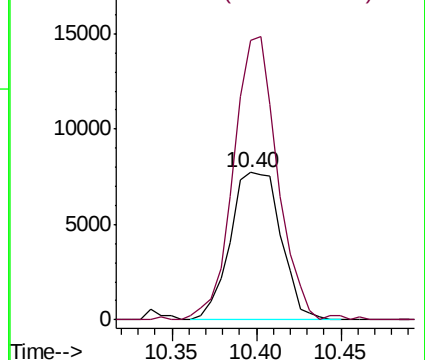
92 100

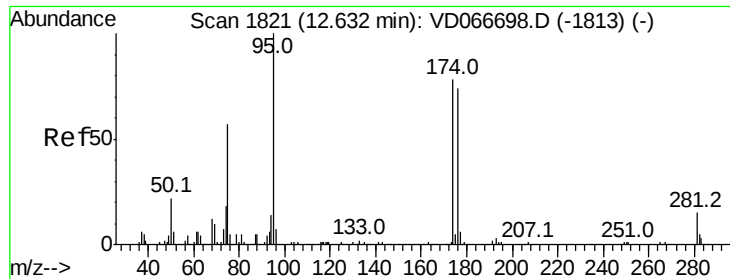
91 167.1 135.8 203.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

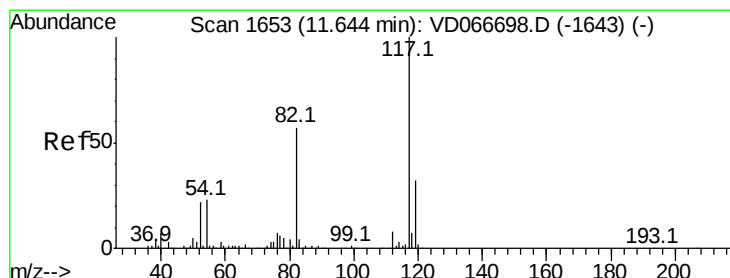
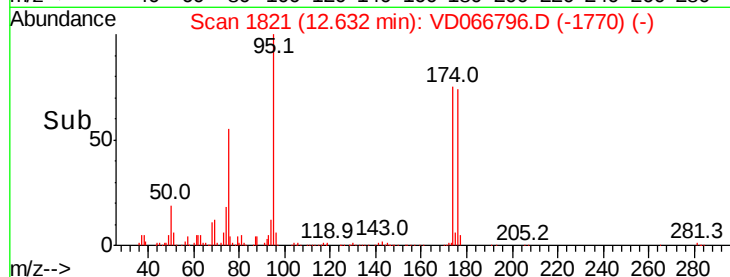
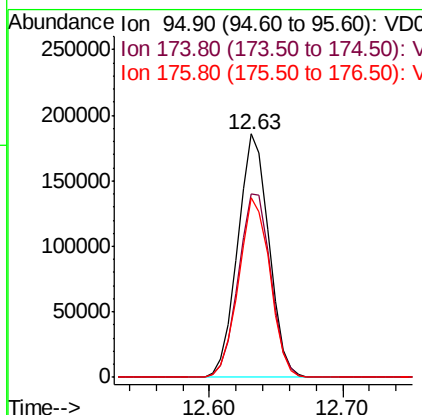
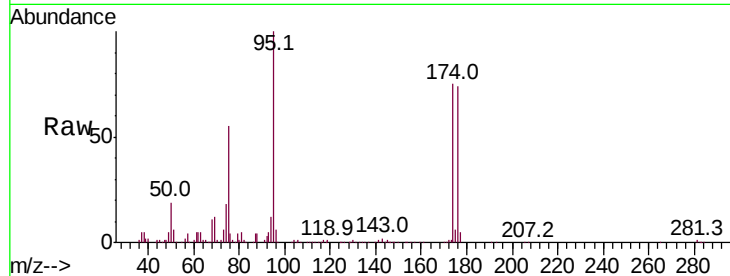




#62
4-Bromofluorobenzene
Concen: 54.923 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066796.D
Acq: 21 Sep 2020 21:22

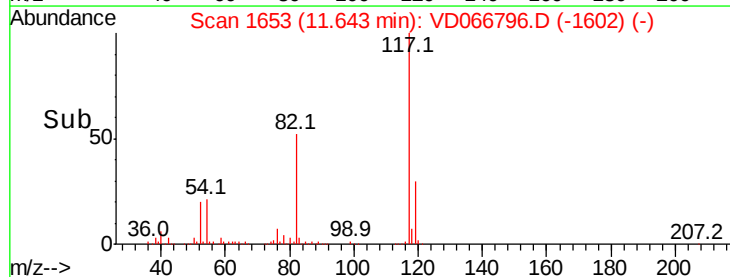
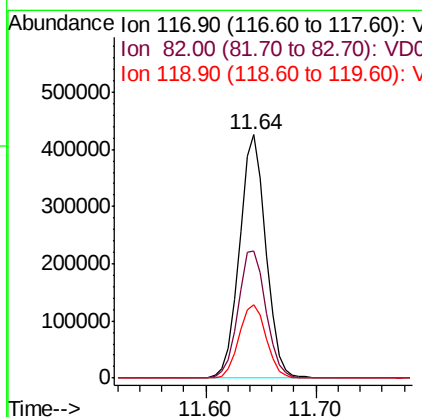
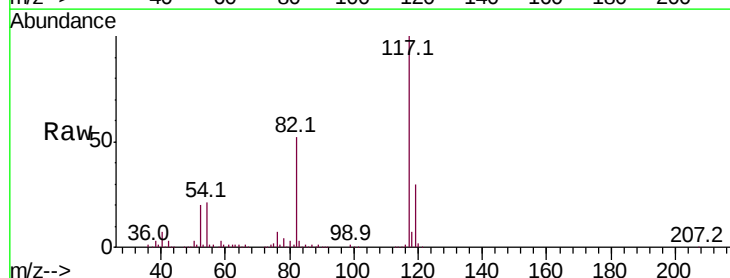
Instrument :
MSVOA_D
ClientSampleId :
PAV-092120-DP

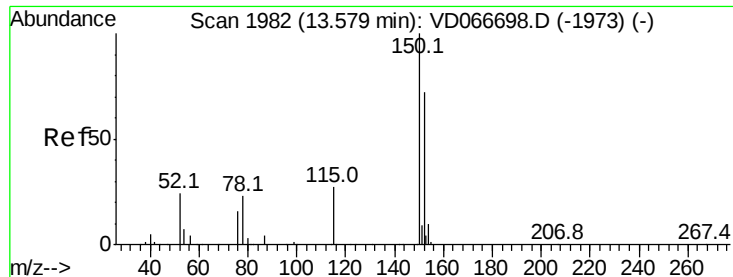
Tot Ion: 95 Resp: 300043
Ion Ratio Lower Upper
95 100
174 78.3 0.0 156.6
176 74.2 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066796.D
Acq: 21 Sep 2020 21:22

Tgt Ion: 117 Resp: 712215
Ion Ratio Lower Upper
117 100
82 52.2 45.4 68.0
119 29.9 25.8 38.6



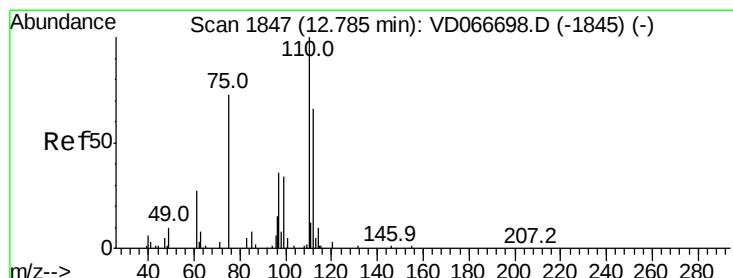
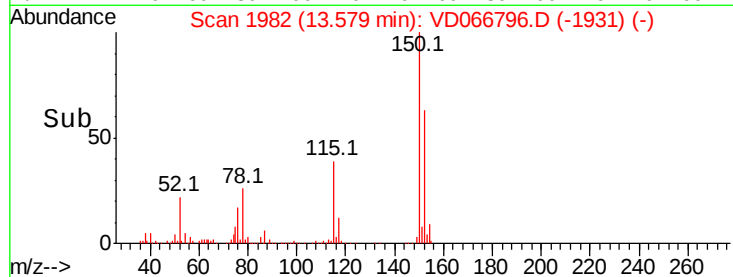
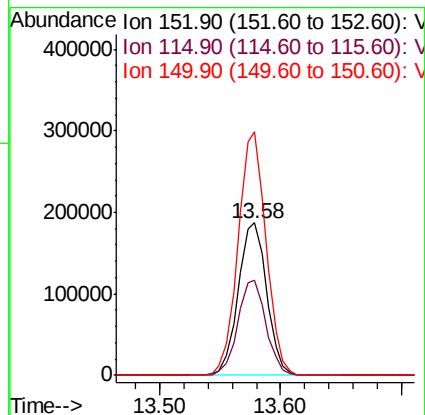
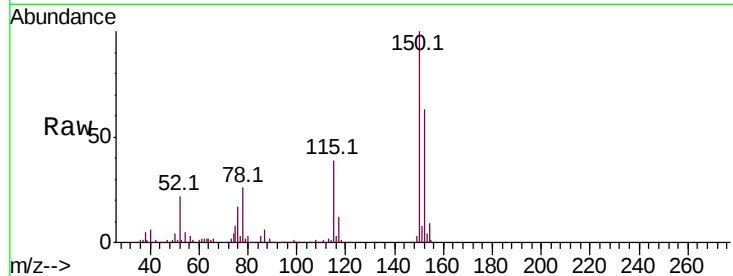


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066796.D
Acq: 21 Sep 2020 21:22

Instrument :
MSVOA_D
ClientSampleId :
PAV-092120-DP

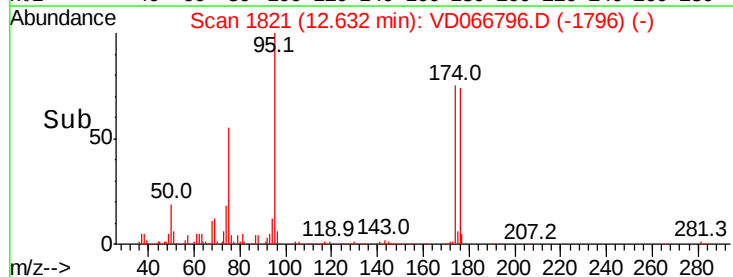
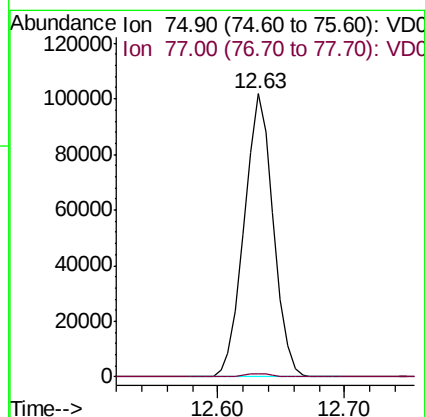
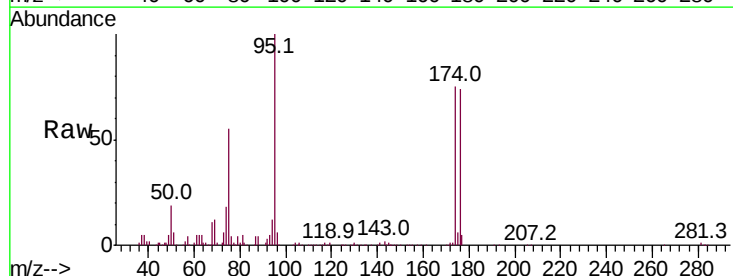
Tot Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.5	91.5
150	156.8	0.0	344.6

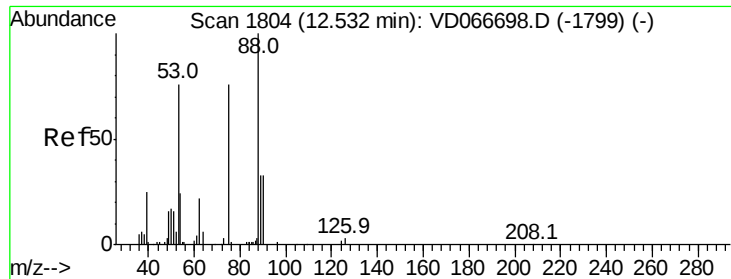


#76

1,2,3-Trichloropropane
Concen: 61.497 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066796.D
Acq: 21 Sep 2020 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 132.720 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066796.D

Acq: 21 Sep 2020 21:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-092120-DP

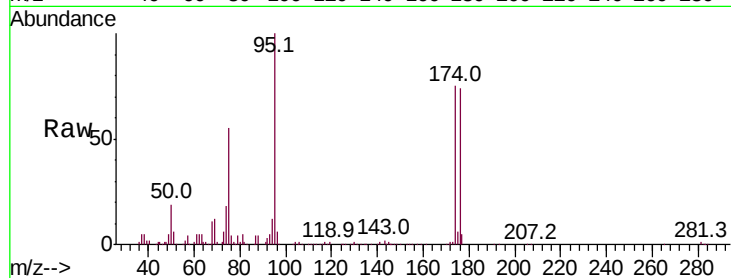
Tot Ion: 75 Resp: 162119

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.2 39.6 59.4#



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

