

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066731.D
 Acq On : 16 Sep 2020 20:33
 Operator : VA/SY
 Sample : L4038-05
 Misc : 5.017G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-091620-DP

Quant Time: Sep 17 00:53:06 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	366632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	684044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	662616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284759	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	245296	62.71	ug/l	0.00
Spiked Amount			Recovery	=	125.42%	
35) Dibromofluoromethane	7.91	113	235820	56.23	ug/l	0.00
Spiked Amount			Recovery	=	112.46%	
50) Toluene-d8	10.34	98	841811	56.34	ug/l	0.00
Spiked Amount			Recovery	=	112.68%	
62) 4-Bromofluorobenzene	12.63	95	280431	54.37	ug/l	0.00
Spiked Amount			Recovery	=	108.74%	

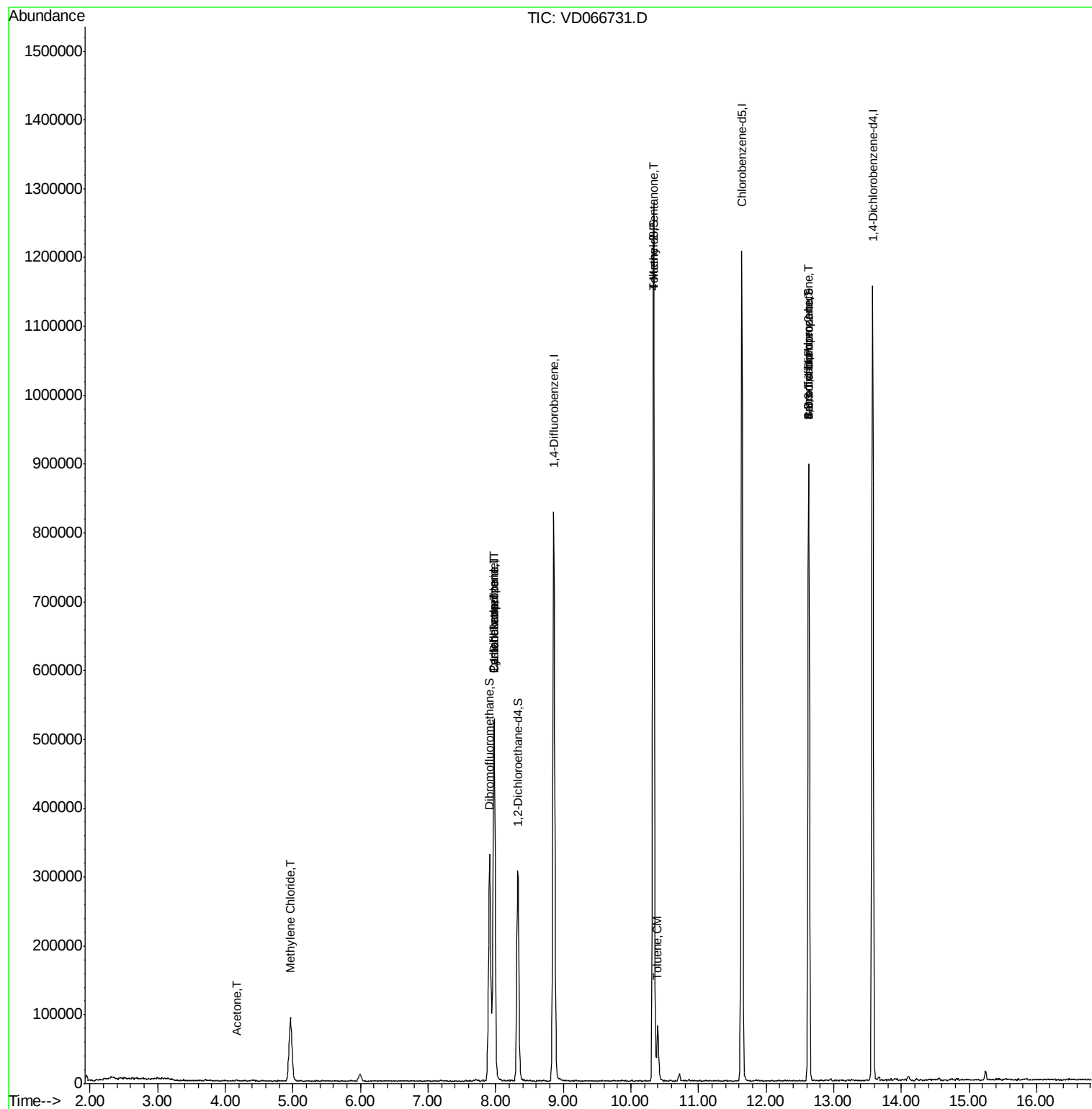
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	1710	2.147	ug/l #	47
18) Methyl Acetate	4.72	43	483	Below Cal	#	79
20) Methylene Chloride	4.96	84	65048	9.181	ug/l	100
31) Cyclohexane	7.97	56	11530	1.669	ug/l #	56
36) 1,1-Dichloropropene	7.98	75	33335	4.740	ug/l #	50
38) Carbon Tetrachloride	7.98	117	40499	5.423	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	4521	1.752	ug/l #	1
52) Toluene	10.40	92	31065	2.549	ug/l	91
71) Bromoform	12.63	173	2619	1.031	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	151699	62.237	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	151699	134.319	ug/l #	8

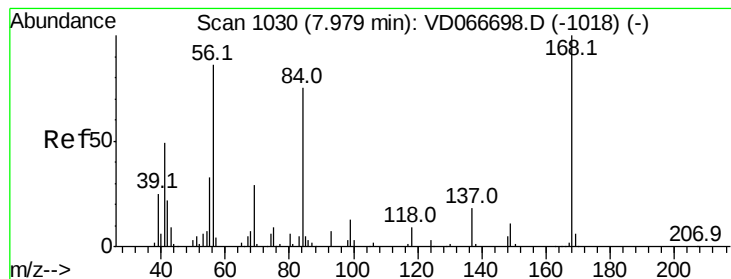
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091620\
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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: VD066731.D

Acq: 16 Sep 2020 20:33

Instrument :

MSVOA_D

ClientSampleId :

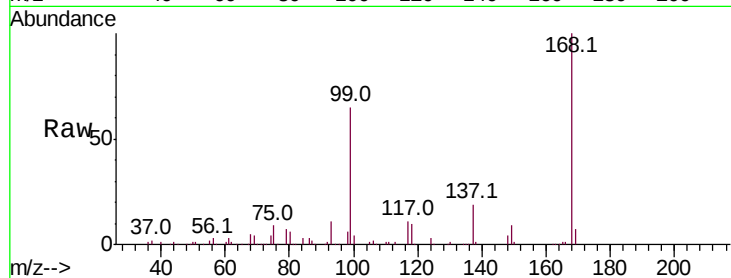
PAV-091620-DP

Tot Ion:168 Resp: 366632

Ion Ratio Lower Upper

168 100

99 65.2 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

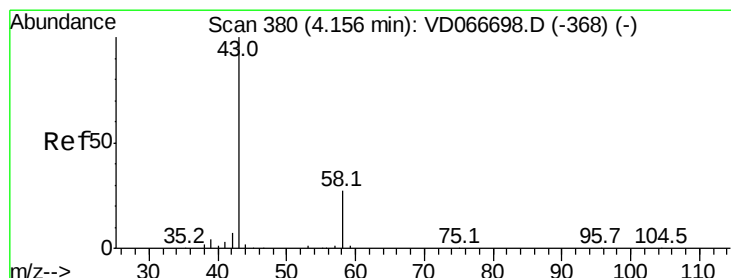
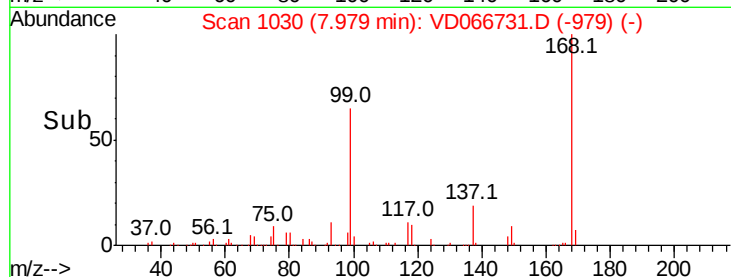
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 2.147 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066731.D

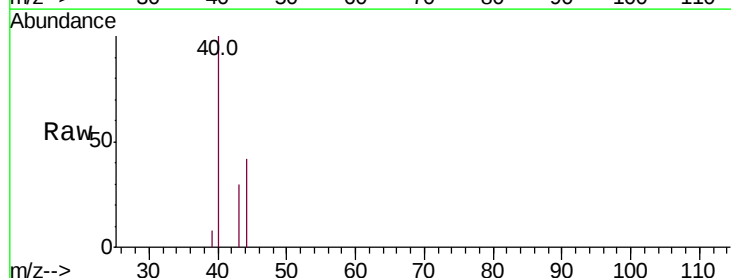
Acq: 16 Sep 2020 20:33

Tgt Ion: 43 Resp: 1710

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1000

800

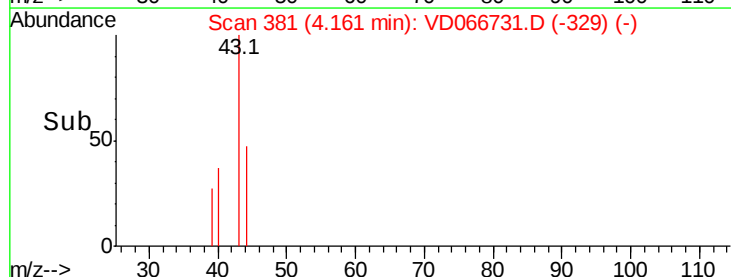
600

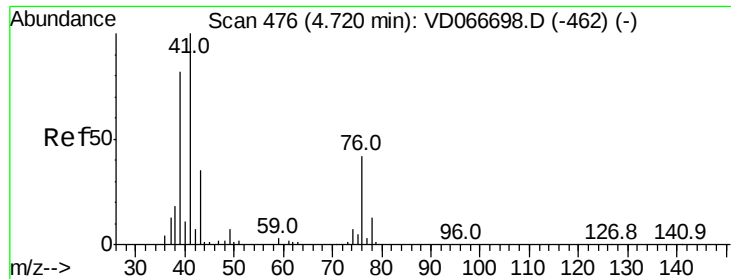
400

200

0

Time--> 4.10 4.15 4.20

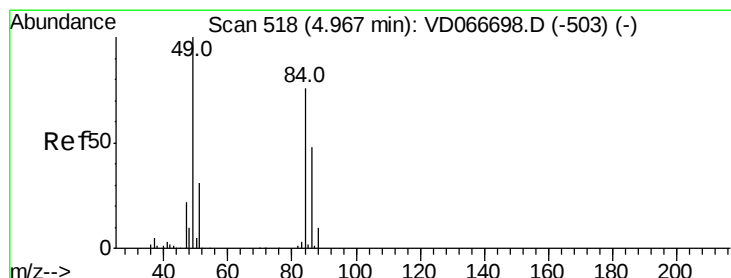
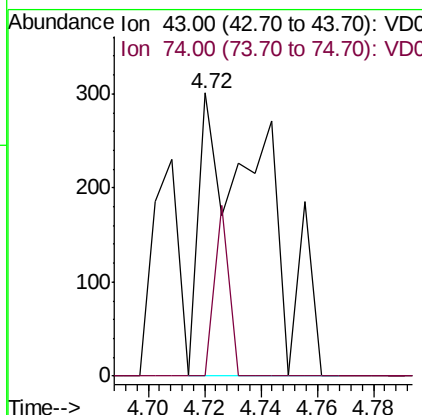
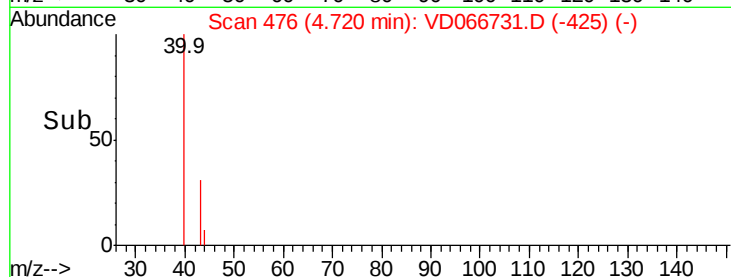
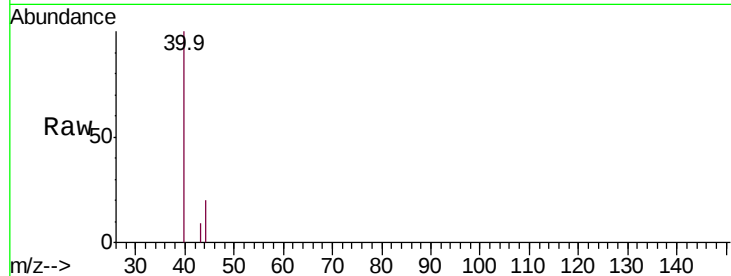




#18
Methvl Acetate
Concen: Below Cal
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD066731.D
Acq: 16 Sep 2020 20:33

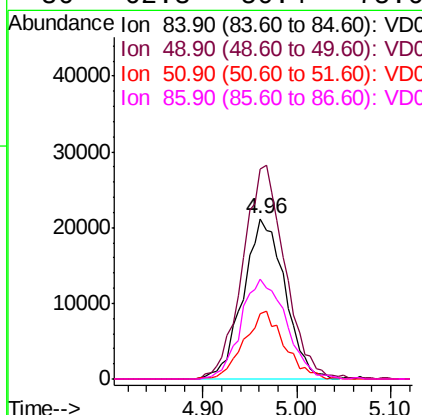
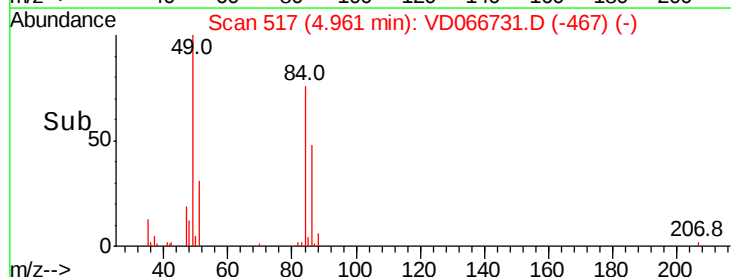
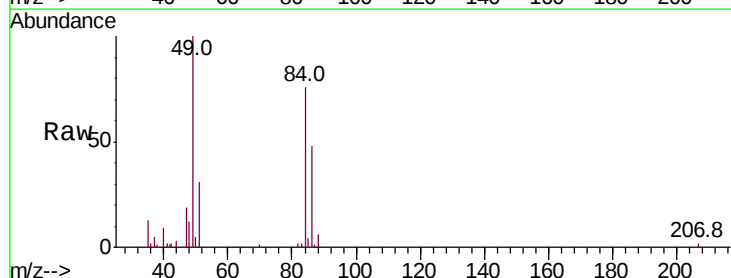
Instrument :
MSVOA_D
ClientSampleId :
PAV-091620-DP

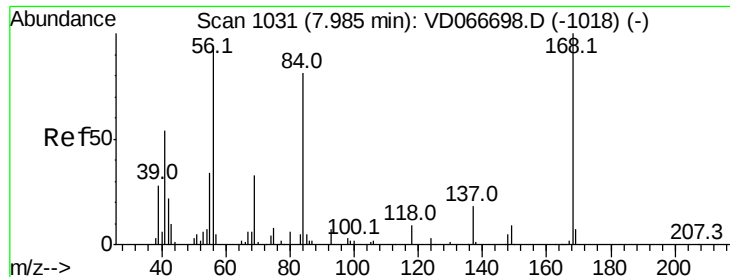
Tot Ion: 43 Resp: 483
Ion Ratio Lower Upper
43 100
74 13.3 18.6 28.0#



#20
Methylene Chloride
Concen: 9.181 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066731.D
Acq: 16 Sep 2020 20:33

Tgt Ion: 84 Resp: 65048
Ion Ratio Lower Upper
84 100
49 131.0 105.0 157.6
51 40.6 32.2 48.4
86 62.3 50.4 75.6





#31

Cyclohexane

Concen: 1.669 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066731.D

Acq: 16 Sep 2020 20:33

Instrument :

MSVOA_D

ClientSampleId :

PAV-091620-DP

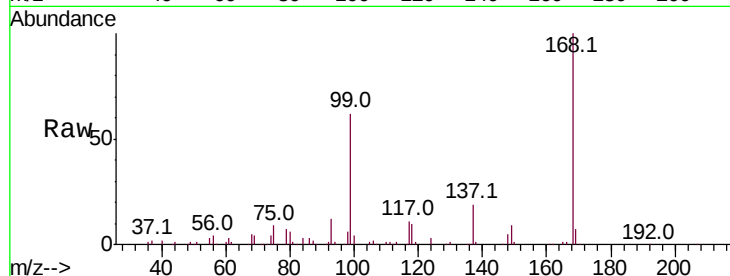
Tot Ion: 56 Resp: 11530

Ion Ratio Lower Upper

56 100

69 110.0 27.7 41.5#

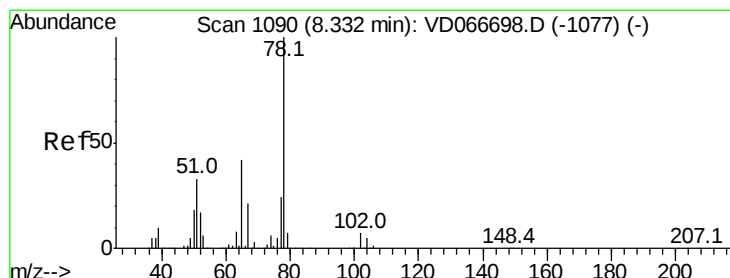
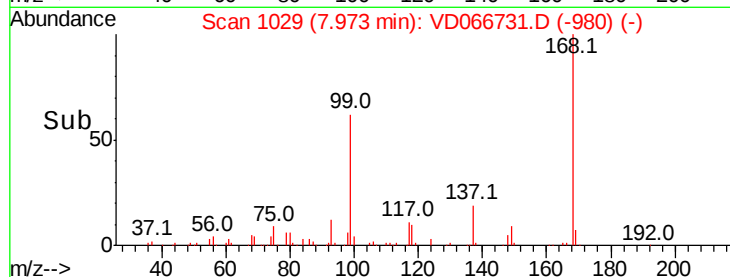
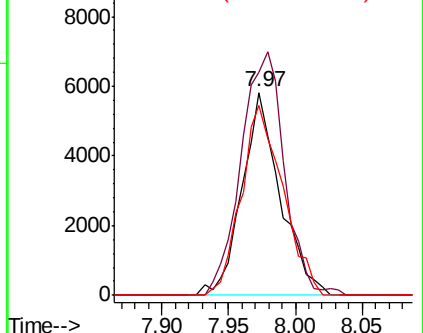
84 93.3 68.5 102.7



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: 62.708 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066731.D

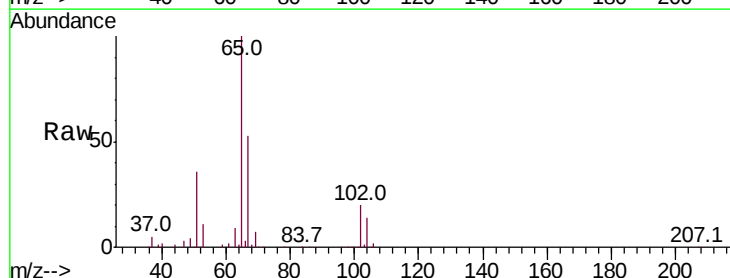
Acq: 16 Sep 2020 20:33

Tgt Ion: 65 Resp: 245296

Ion Ratio Lower Upper

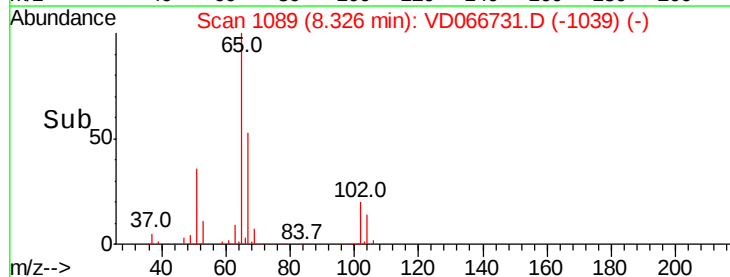
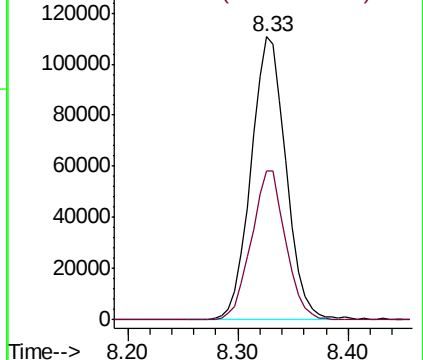
65 100

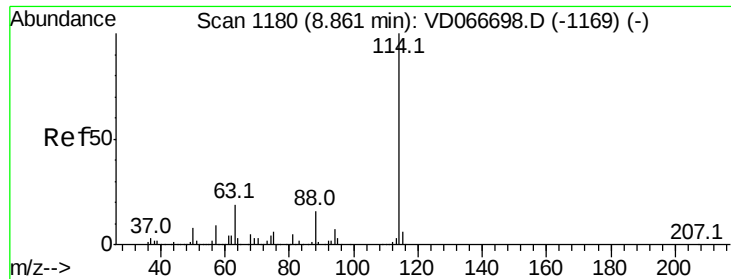
67 52.0 0.0 102.2



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: VD066731.D

Acq: 16 Sep 2020 20:33

Instrument :

MSVOA_D

ClientSampleId :

PAV-091620-DP

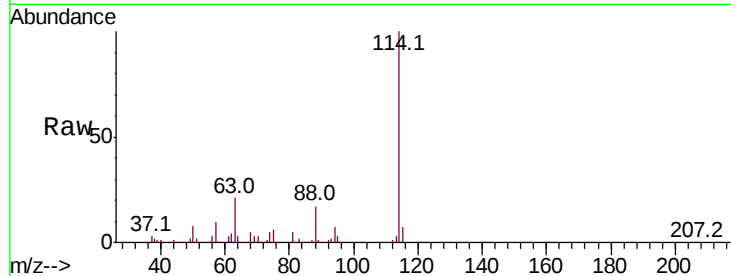
Tot Ion:114 Resp: 684044

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.6

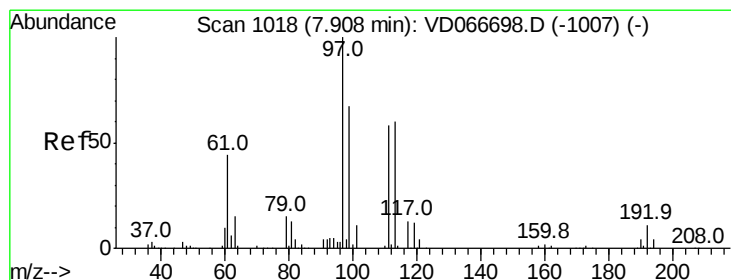
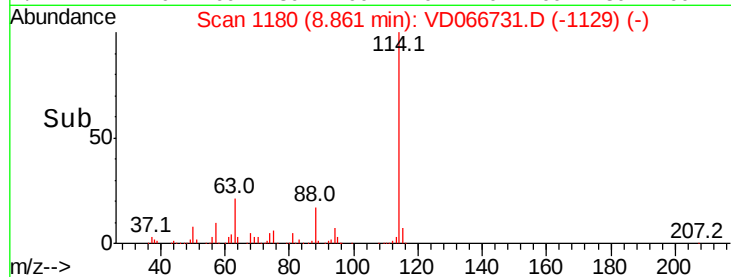
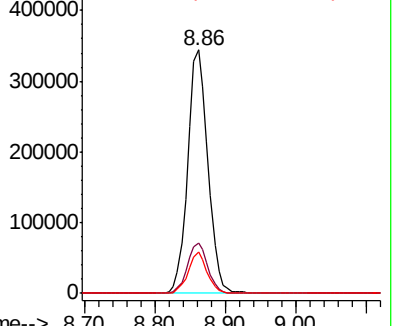
88 16.9 0.0 32.2



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: 56.230 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066731.D

Acq: 16 Sep 2020 20:33

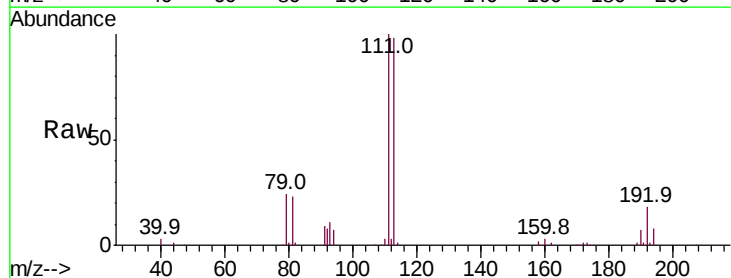
Tgt Ion:113 Resp: 235820

Ion Ratio Lower Upper

113 100

111 101.9 83.2 124.8

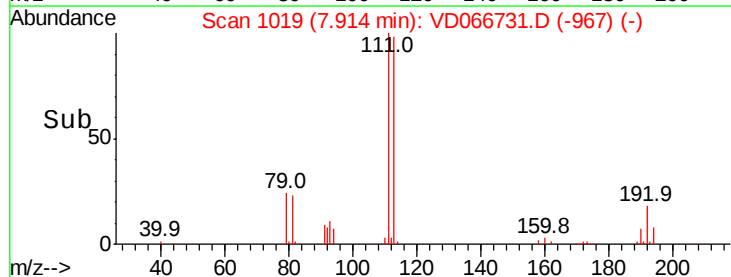
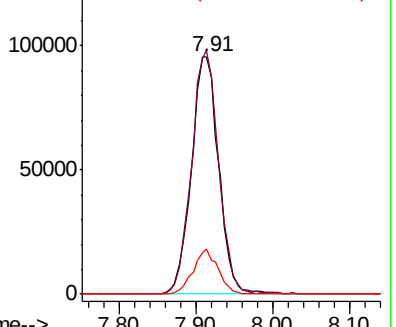
192 17.3 14.8 22.2

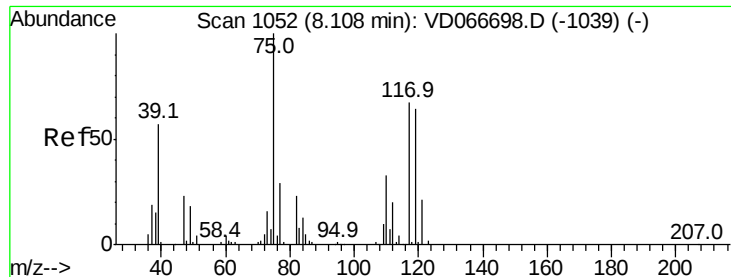


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.740 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066731.D

Acq: 16 Sep 2020 20:33

Instrument :

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ClientSampleId :

PAV-091620-DP

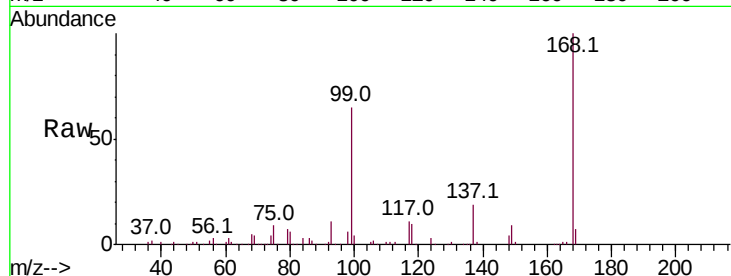
Tot Ion: 75 Resp: 33335

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

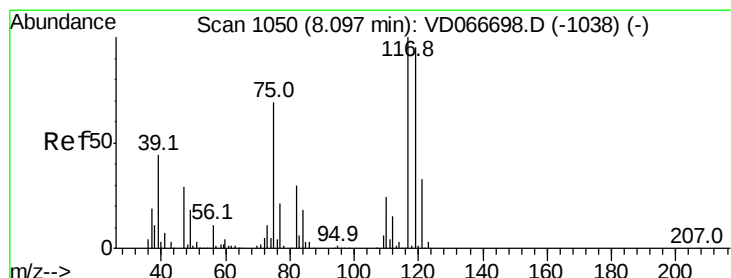
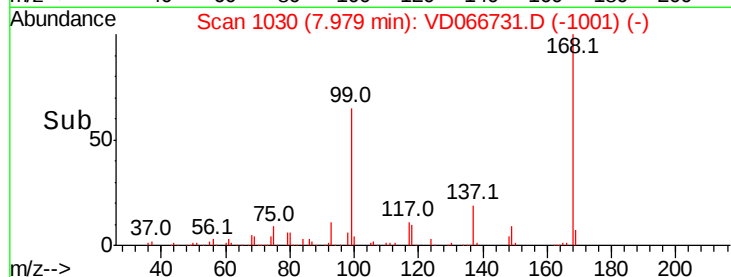
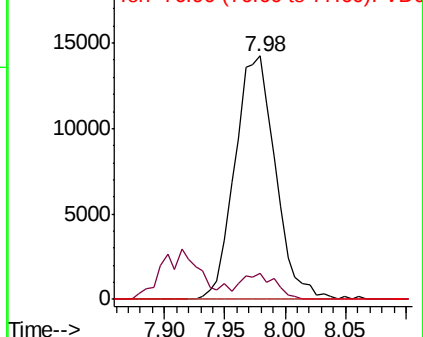
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.423 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066731.D

Acq: 16 Sep 2020 20:33

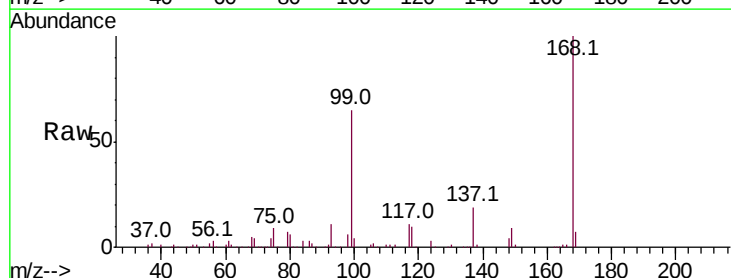
Tgt Ion: 117 Resp: 40499

Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.6#

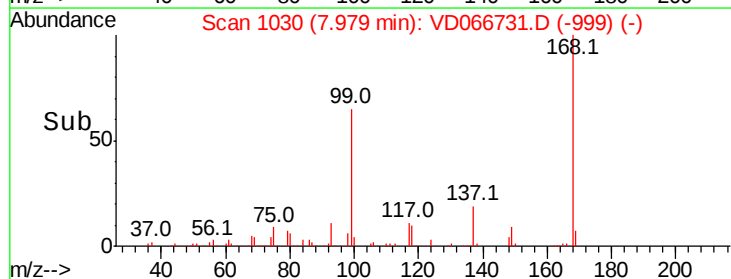
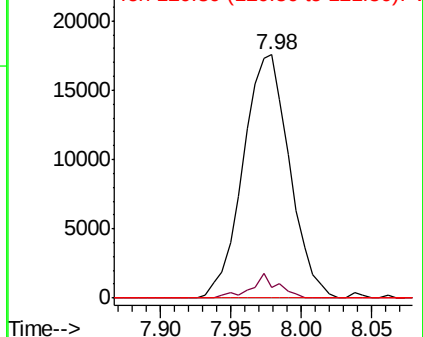
121 0.0 26.2 39.4#

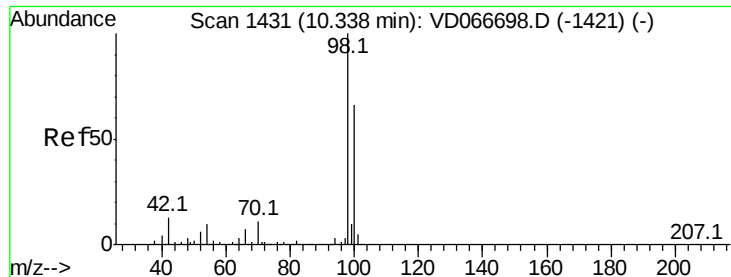


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 56.340 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066731.D

Acq: 16 Sep 2020 20:33

Instrument :

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ClientSampleId :

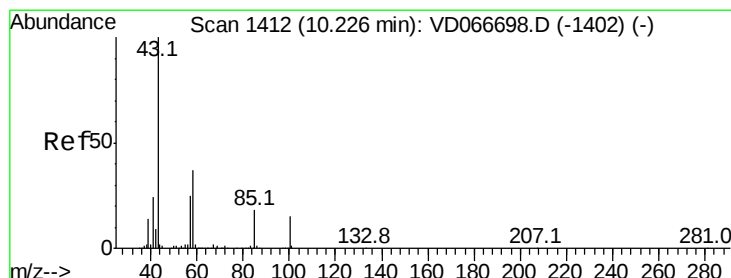
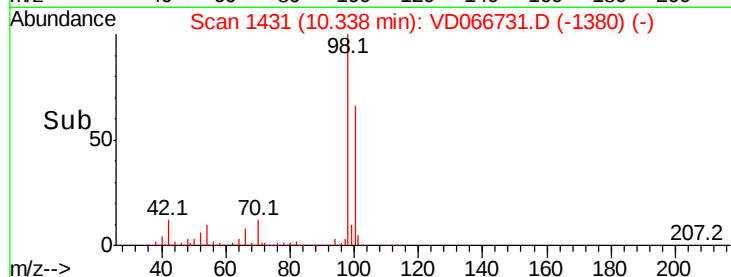
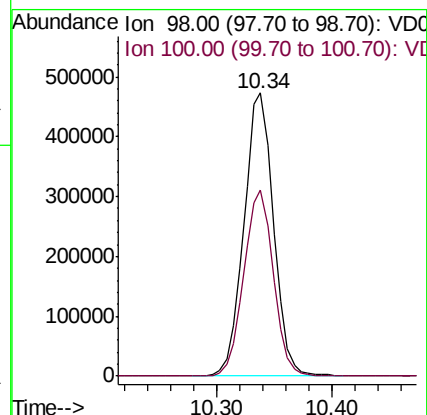
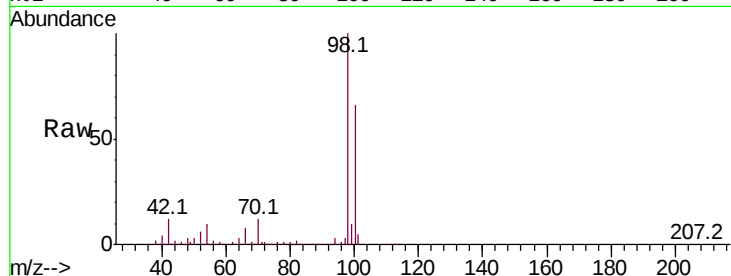
PAV-091620-DP

Tot Ion: 98 Resp: 841811

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 1.752 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066731.D

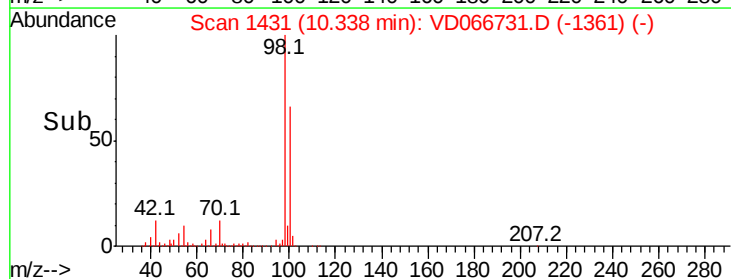
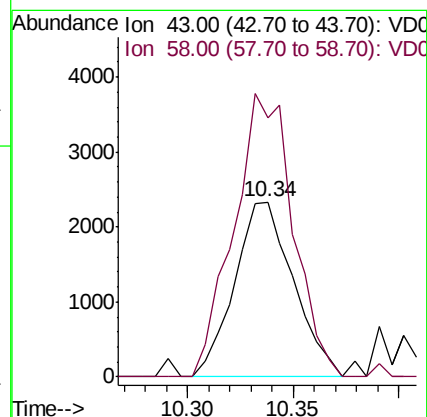
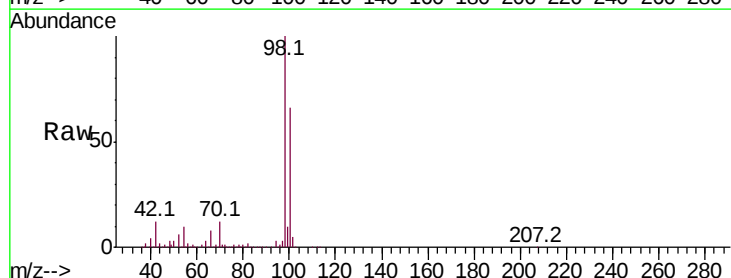
Acq: 16 Sep 2020 20:33

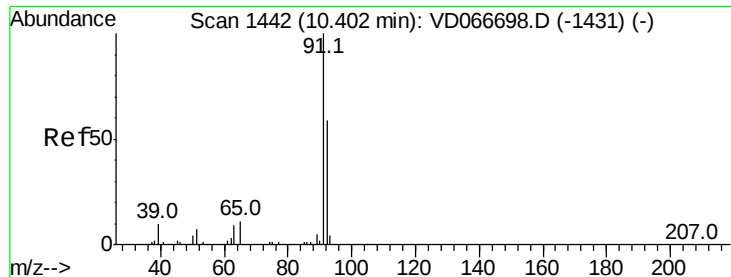
Tgt Ion: 43 Resp: 4521

Ion Ratio Lower Upper

43 100

58 162.4 30.4 45.6#





#52

Toluene

Concen: 2.549 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066731.D

Acq: 16 Sep 2020 20:33

Instrument :

MSVOA_D

ClientSampleId :

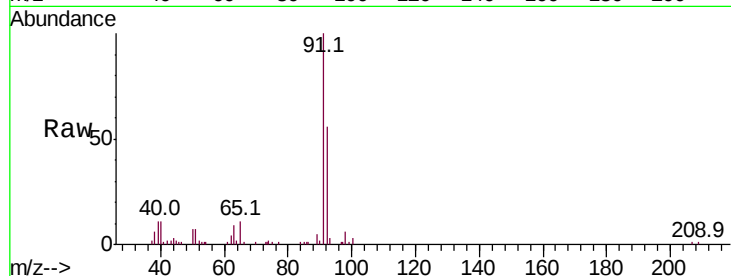
PAV-091620-DP

Tot Ion: 92 Resp: 31065

Ion Ratio Lower Upper

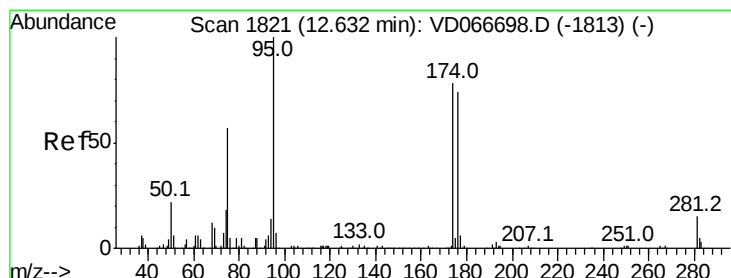
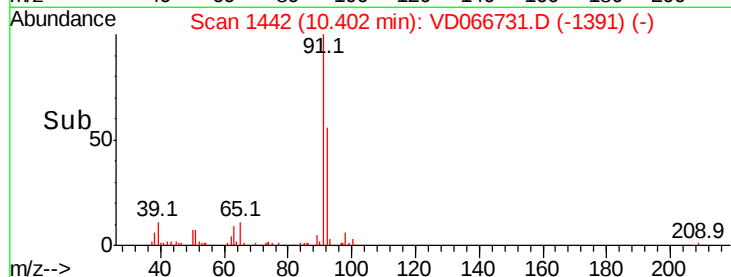
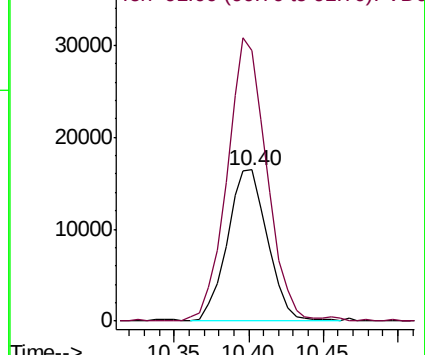
92 100

91 182.1 135.8 203.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 54.372 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066731.D

Acq: 16 Sep 2020 20:33

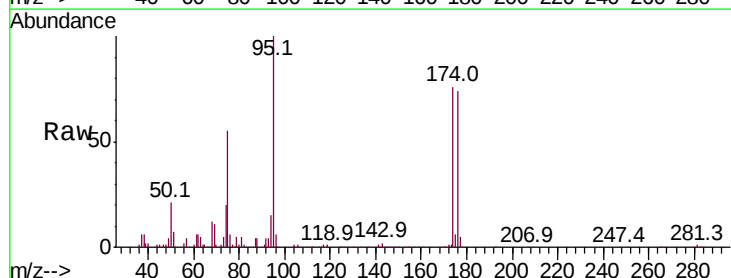
Tgt Ion: 95 Resp: 280431

Ion Ratio Lower Upper

95 100

174 75.4 0.0 156.6

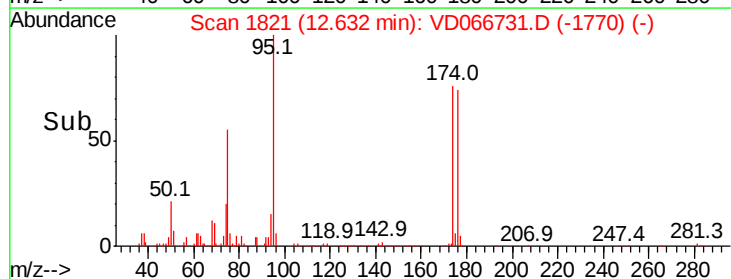
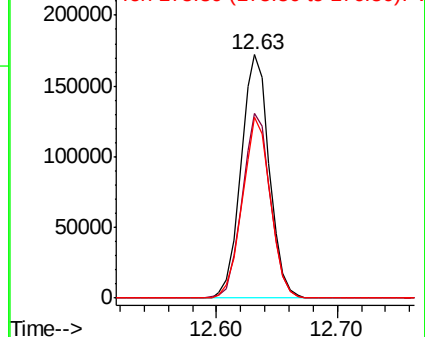
176 73.9 0.0 150.2

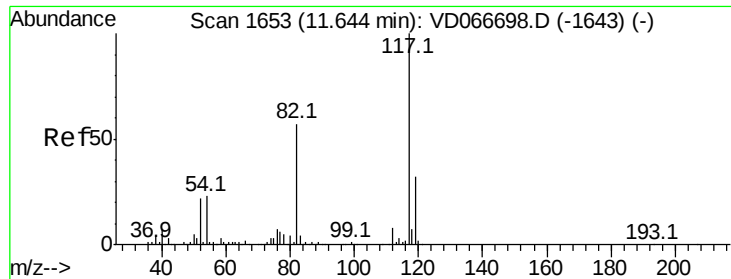


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

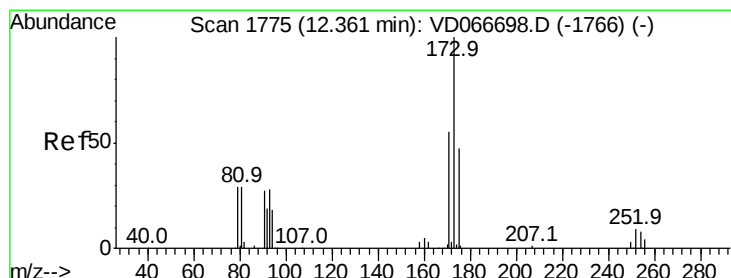
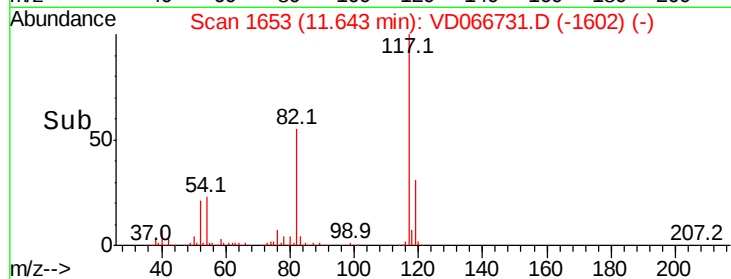
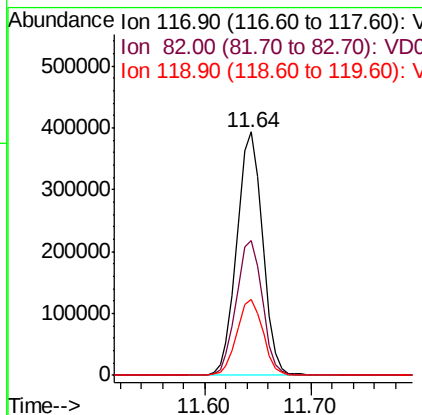
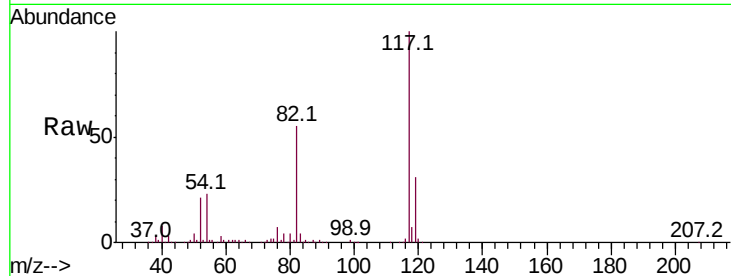




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066731.D
Acq: 16 Sep 2020 20:33

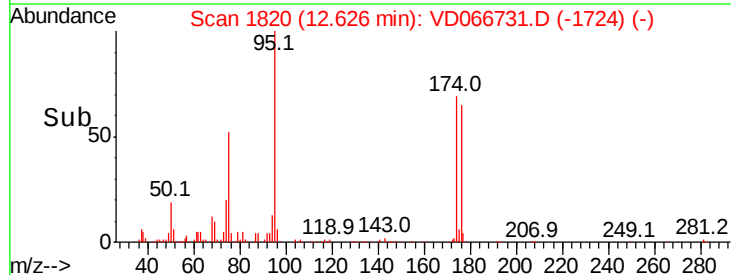
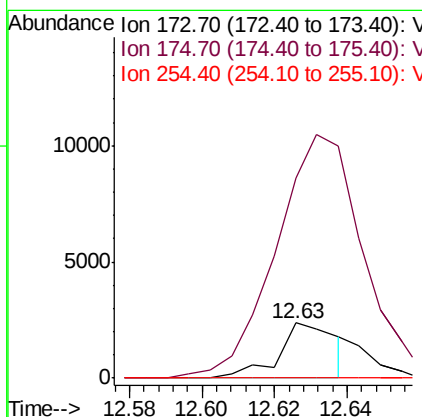
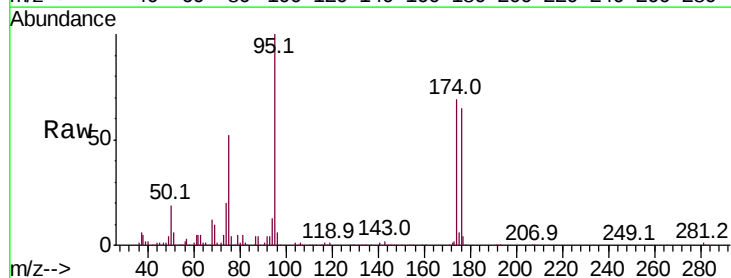
Instrument :
MSVOA_D
ClientSampleId :
PAV-091620-DP

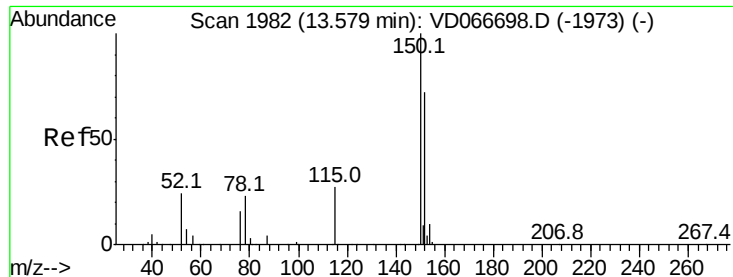
Tot Ion:117 Resp: 662616
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.0
119 31.0 25.8 38.6



#71
Bromoform
Concen: 1.031 ug/l
RT: 12.63 min Scan# 1820
Delta R.T. 0.26 min
Lab File: VD066731.D
Acq: 16 Sep 2020 20:33

Tgt Ion:173 Resp: 2619
Ion Ratio Lower Upper
173 100
175 518.8 24.3 72.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066731.D

Acq: 16 Sep 2020 20:33

Instrument :

MSVOA_D

ClientSampleId :

PAV-091620-DP

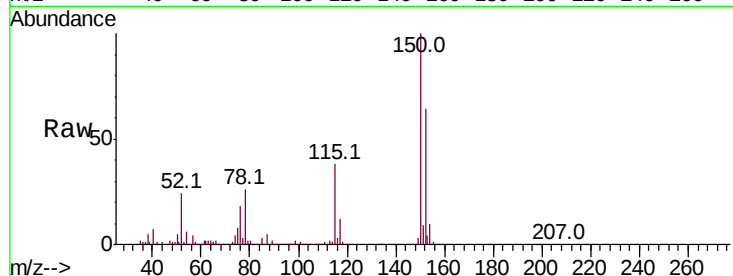
Tot Ion:152 Resp: 284759

Ion Ratio Lower Upper

152 100

115 62.0 30.5 91.5

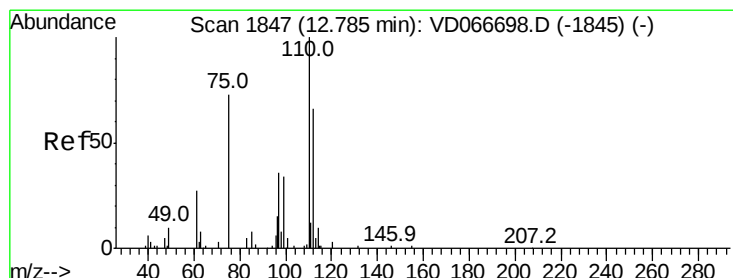
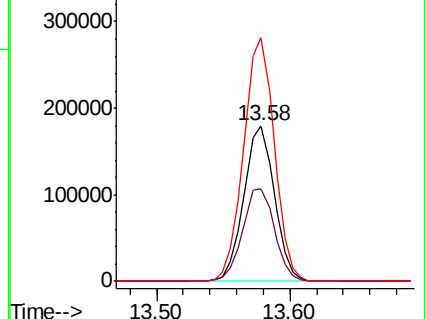
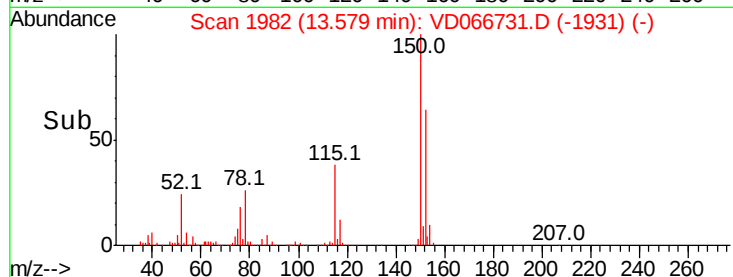
150 157.5 0.0 344.6



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: 62.237 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066731.D

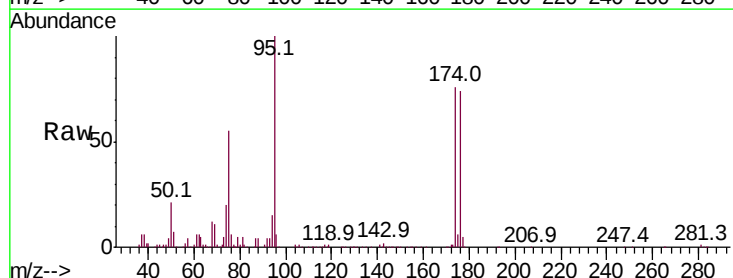
Acq: 16 Sep 2020 20:33

Tgt Ion: 75 Resp: 151699

Ion Ratio Lower Upper

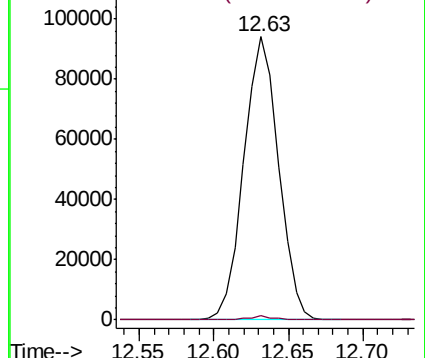
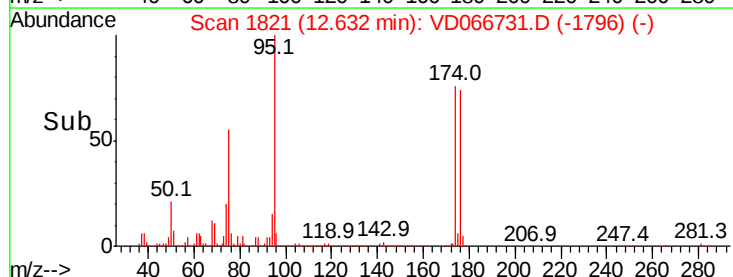
75 100

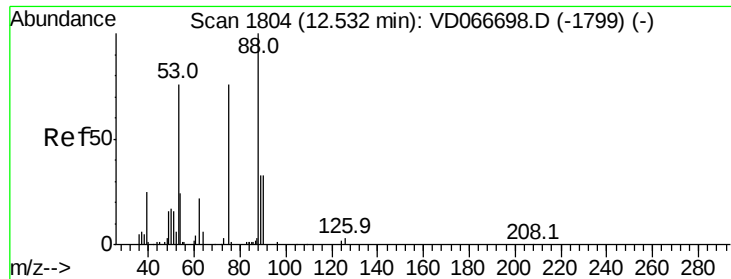
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 134.319 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066731.D

Acq: 16 Sep 2020 20:33

Instrument :

MSVOA_D

ClientSampleId :

PAV-091620-DP

Tot Ion: 75 Resp: 151699

Ion Ratio Lower Upper

75 100

53 0.0 82.2 123.4#

89 0.0 39.6 59.4#

