

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066920.D
 Acq On : 28 Sep 2020 18:22
 Operator : VA/SY
 Sample : L4136-07
 Misc : 8.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B26-092420-18-19

Quant Time: Sep 29 00:58:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	376349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	663779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	690186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	335389	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	193695	52.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.16%	
35) Dibromofluoromethane	7.91	113	209425	49.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.18%	
50) Toluene-d8	10.34	98	819255	56.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.88%	
62) 4-Bromofluorobenzene	12.63	95	299711	60.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.70%	

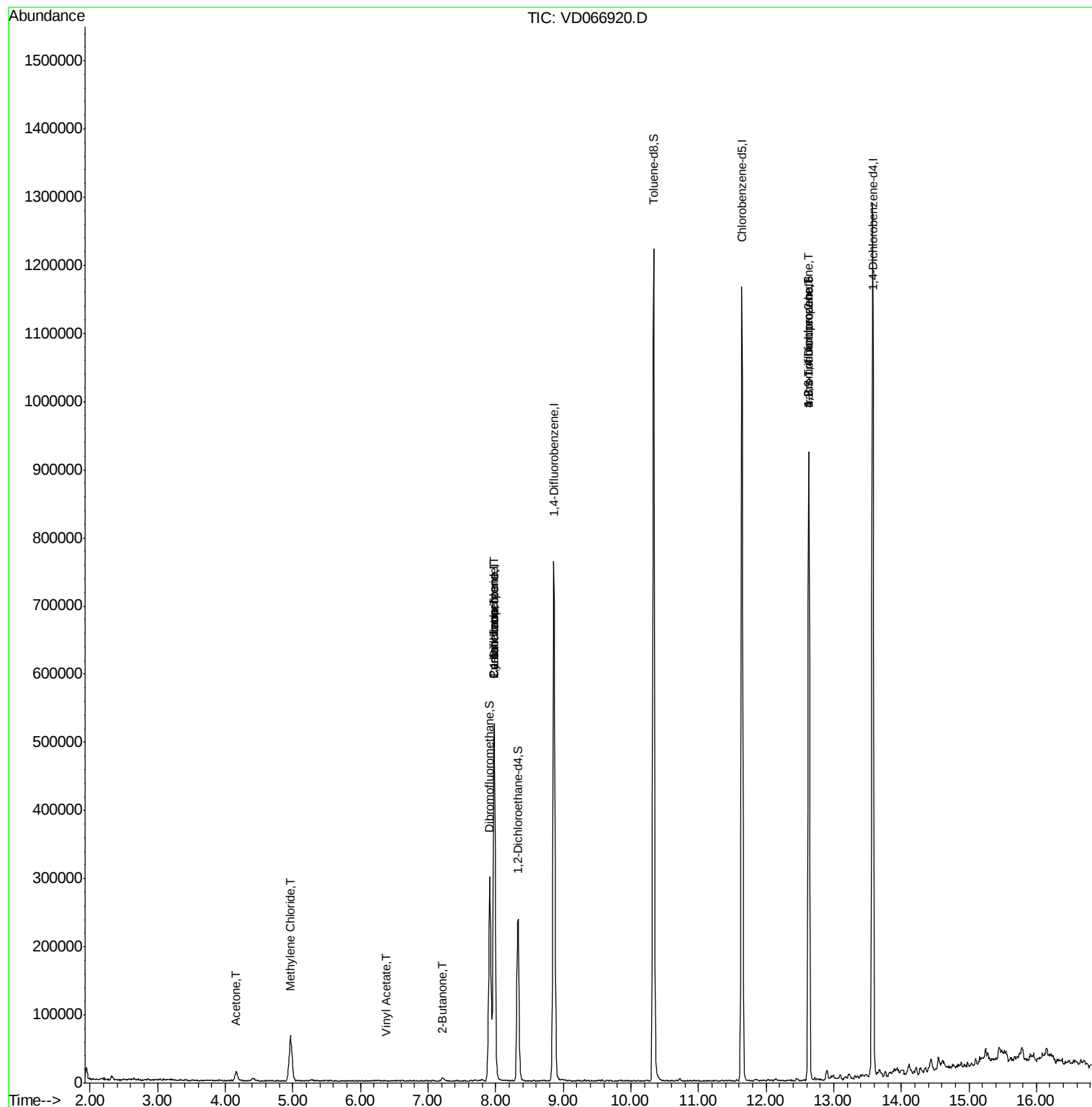
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	129	Below Cal	#	46
16) Acetone	4.16	43	24793	31.729	ug/l #	84
18) Methyl Acetate	4.72	43	71	Below Cal	#	50
20) Methylene Chloride	4.97	84	50126	6.864	ug/l	97
23) Vinyl Acetate	6.39	43	61	2.682	ug/l #	71
25) 2-Butanone	7.21	43	5668	6.036	ug/l	91
31) Cyclohexane	7.98	56	7768	1.160	ug/l #	17
36) 1,1-Dichloropropene	7.98	75	29350	4.457	ug/l #	49
38) Carbon Tetrachloride	7.98	117	40007	5.557	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	152739	54.953	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	152739	137.488	ug/l #	10

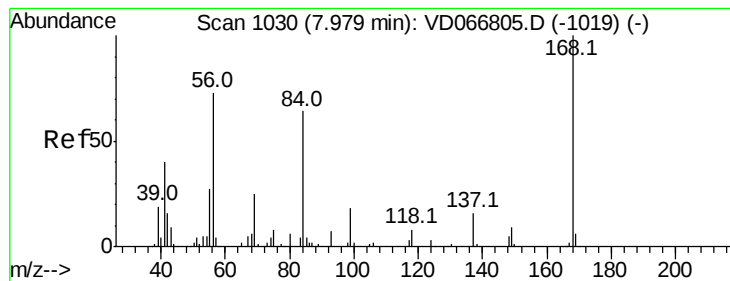
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092820\
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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: VD066920.D

Acq: 28 Sep 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

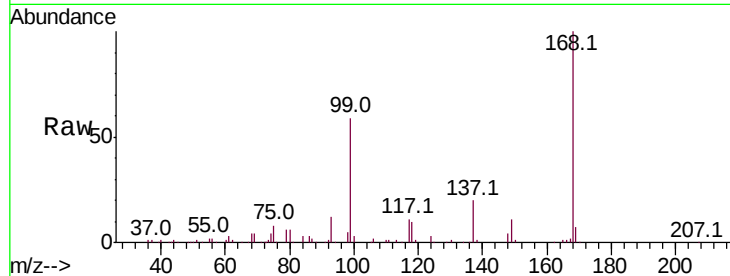
PAV-B26-092420-18-19

Tot Ion:168 Resp: 376349

Ion Ratio Lower Upper

168 100

99 59.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

150000

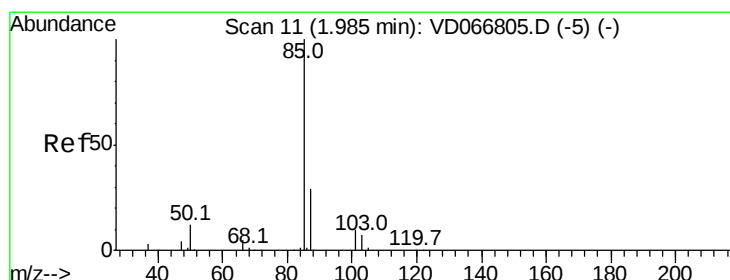
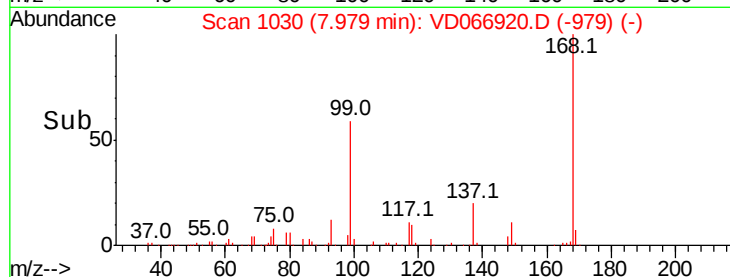
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066920.D

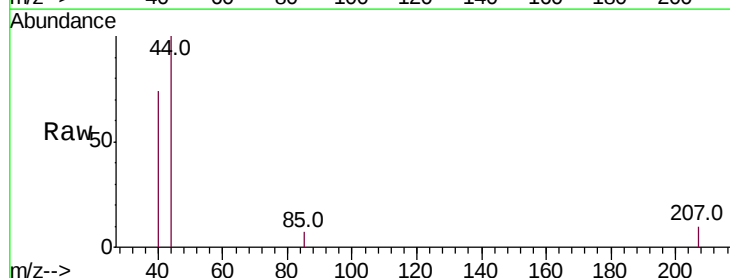
Acq: 28 Sep 2020 18:22

Tgt Ion: 85 Resp: 129

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

250

200

150

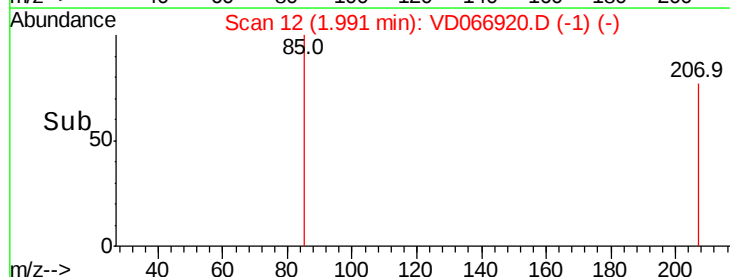
100

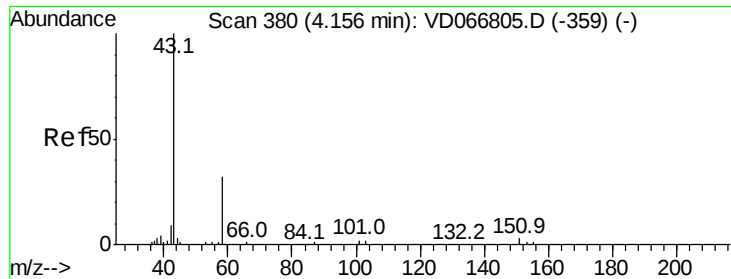
50

0

Time-->

1.96 1.98 2.00





#16

Acetone

Concen: 31.729 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066920.D

Acq: 28 Sep 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

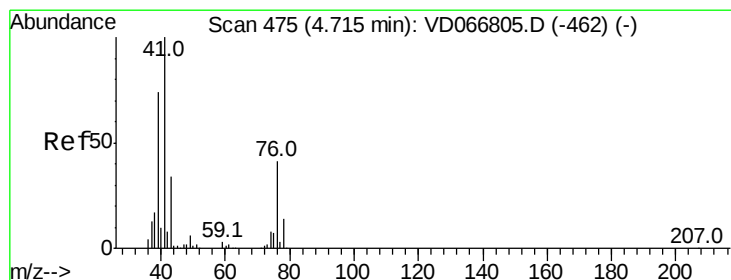
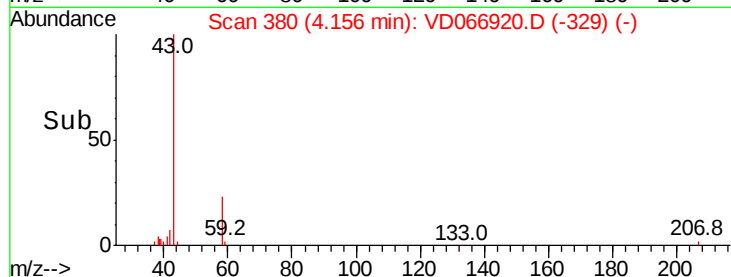
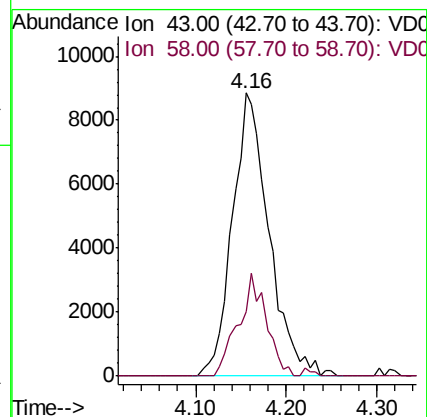
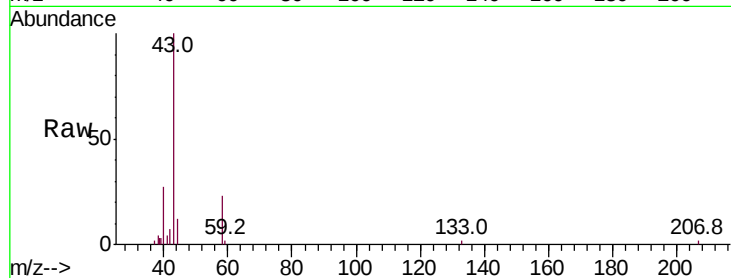
PAV-B26-092420-18-19

Tot Ion: 43 Resp: 24793

Ion Ratio Lower Upper

43 100

58 22.8 25.6 38.4#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066920.D

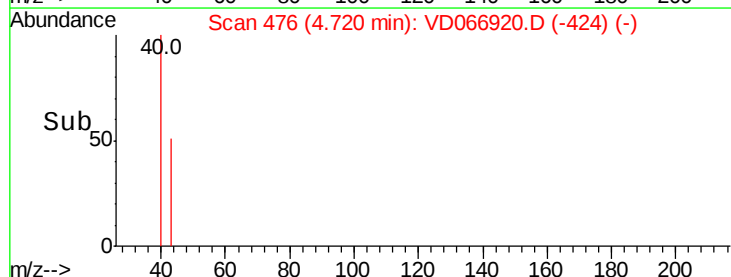
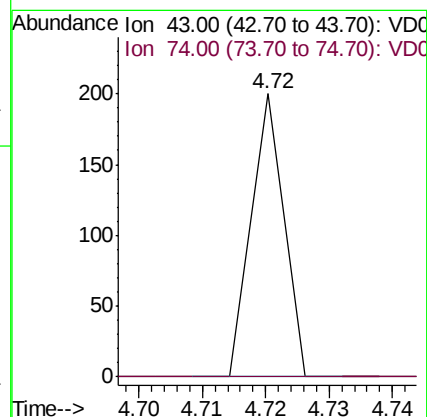
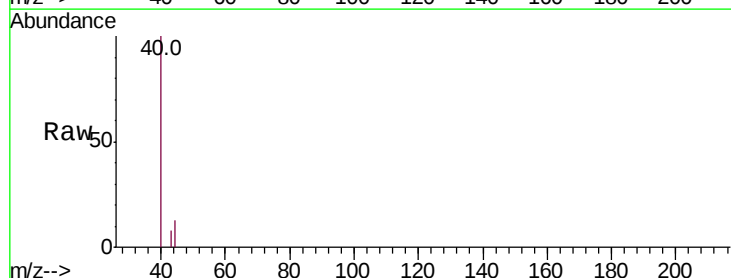
Acq: 28 Sep 2020 18:22

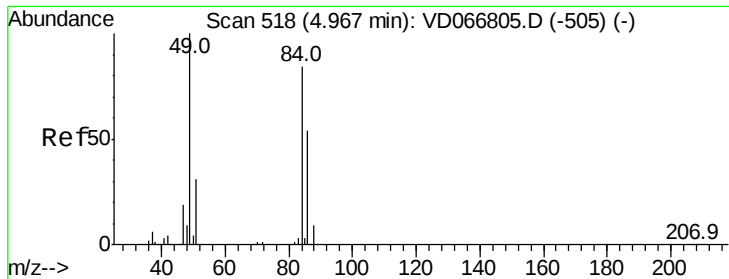
Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#





#20

Methvlene Chloride

Concen: 6.864 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066920.D

Acq: 28 Sep 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B26-092420-18-19

Tot Ion: 84 Resp: 50126

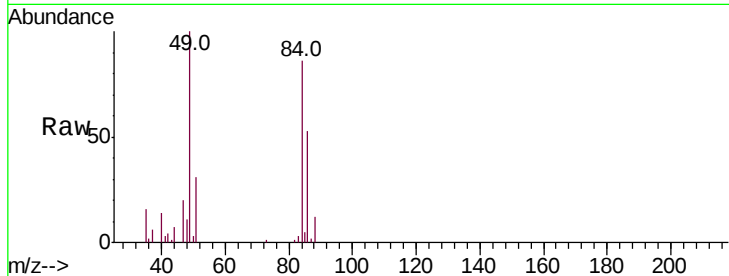
Ion Ratio Lower Upper

84 100

49 116.5 95.4 143.2

51 36.5 29.7 44.5

86 61.5 51.4 77.2

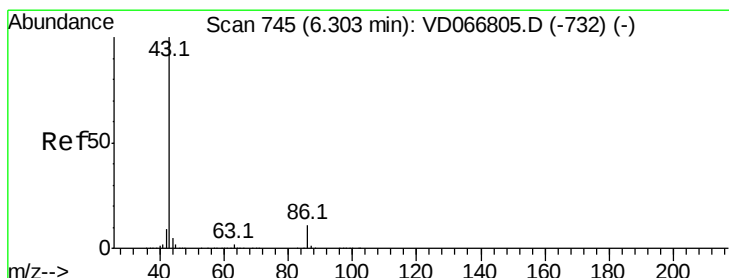
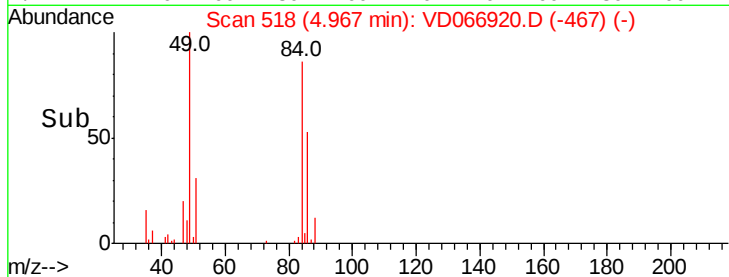
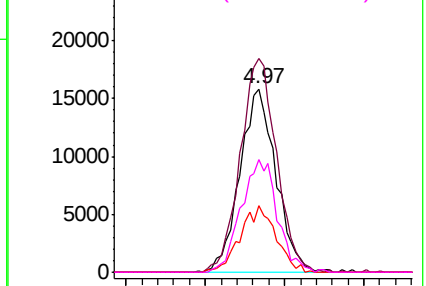


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#23

Vinyl Acetate

Concen: 2.682 ug/l

RT: 6.39 min Scan# 760

Delta R.T. 0.09 min

Lab File: VD066920.D

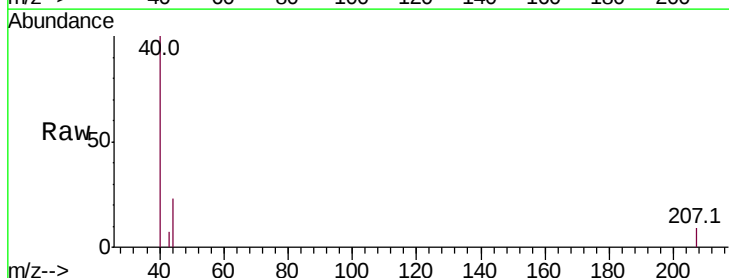
Acq: 28 Sep 2020 18:22

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

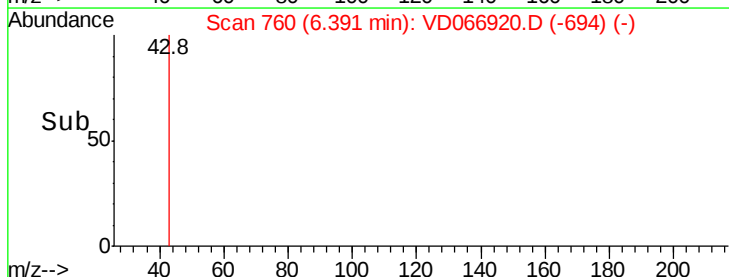
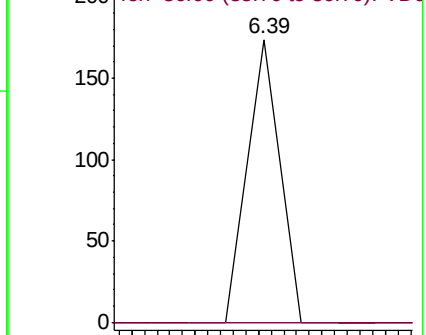
43 100

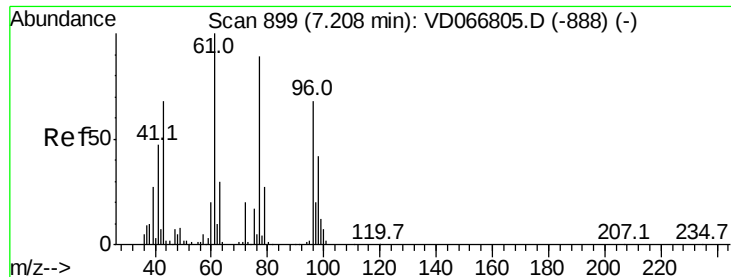
86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

2-Butanone

Concen: 6.036 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066920.D

Acq: 28 Sep 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

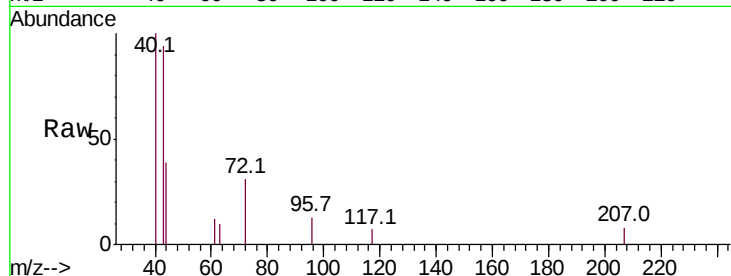
PAV-B26-092420-18-19

Tot Ion: 43 Resp: 5668

Ion Ratio Lower Upper

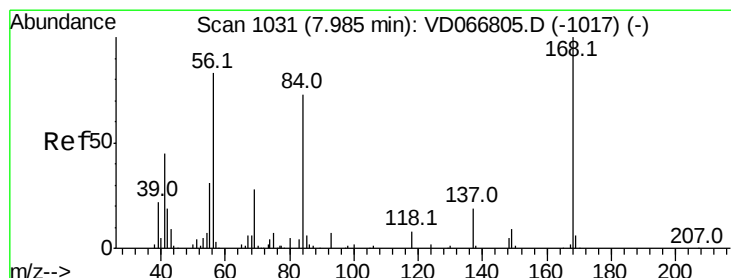
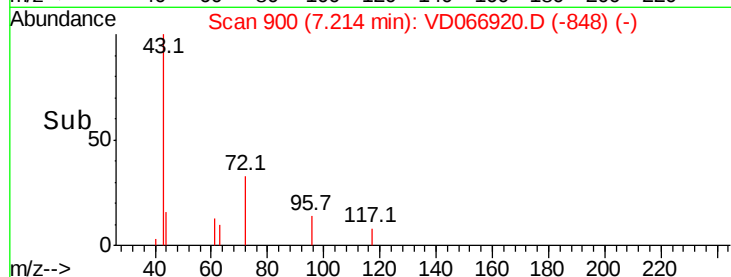
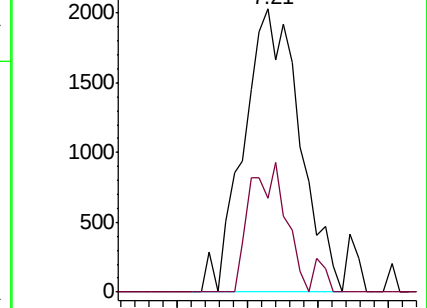
43 100

72 33.3 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066920.D

Acq: 28 Sep 2020 18:22

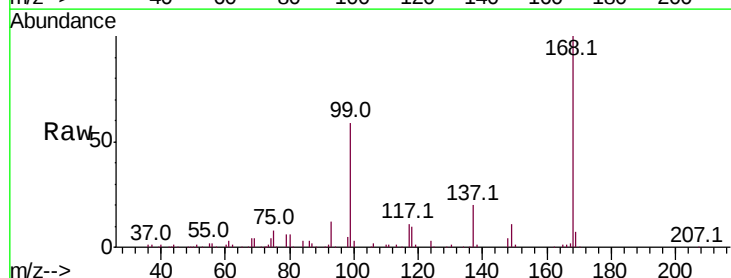
Tgt Ion: 56 Resp: 7768

Ion Ratio Lower Upper

56 100

69 155.9 27.0 40.4#

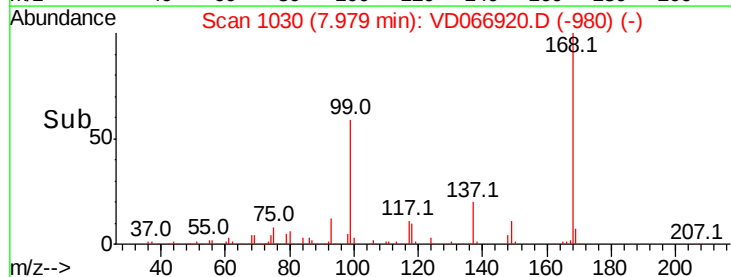
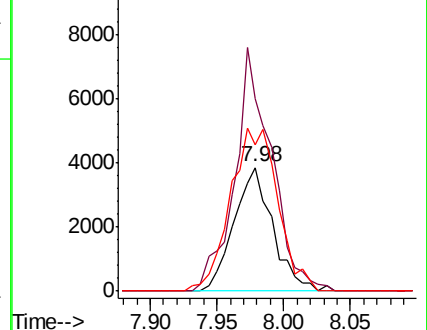
84 118.5 70.2 105.4#

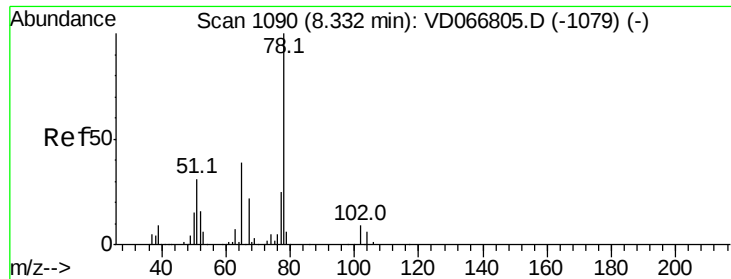


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.584 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

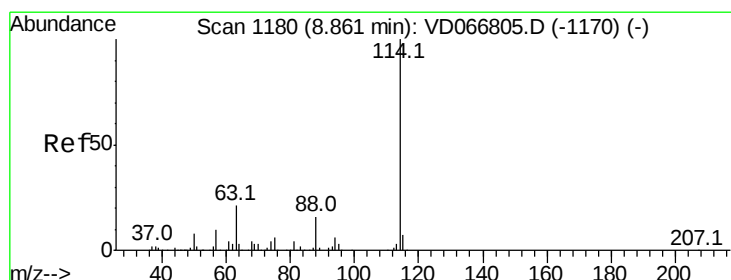
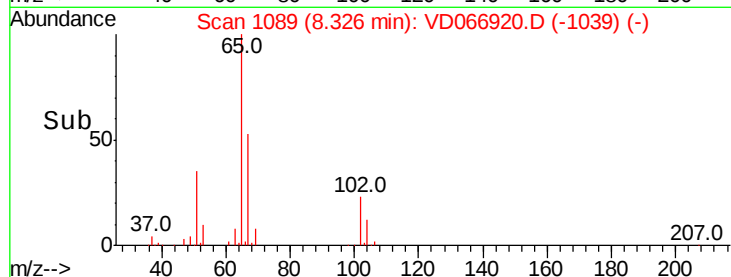
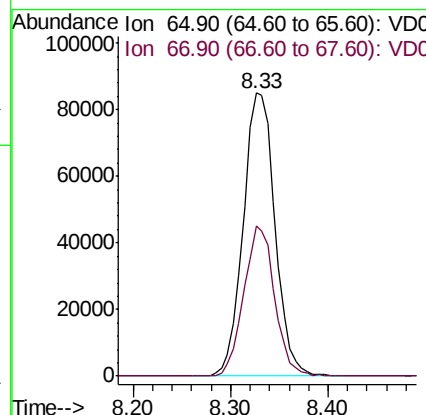
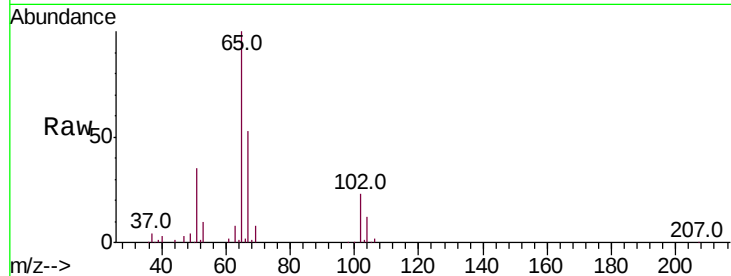
Lab File: VD066920.D

Acq: 28 Sep 2020 18:22

Instrument :
MSVOA_D
ClientSampleId :
PAV-B26-092420-18-19

Tot Ion: 65 Resp: 193695

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

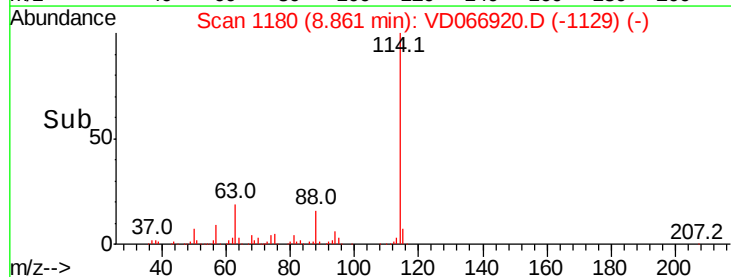
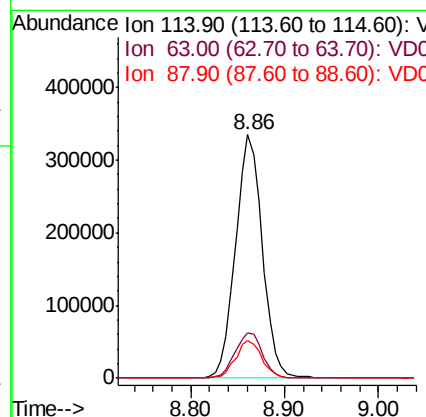
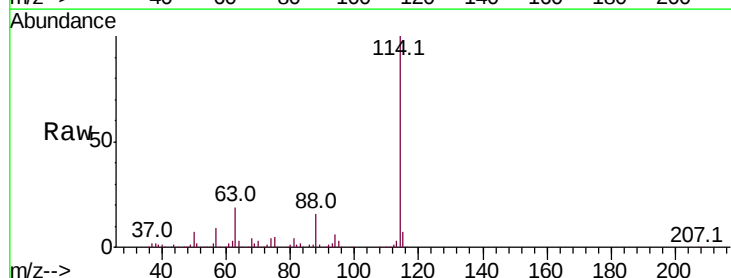
Delta R.T. -0.00 min

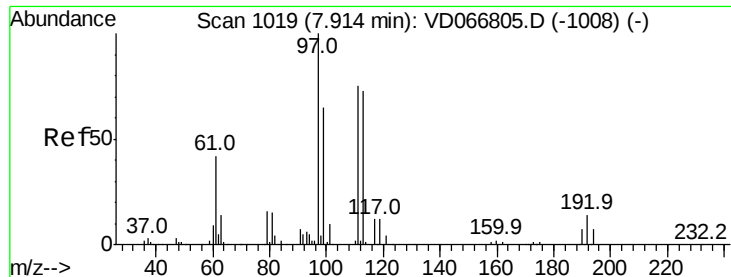
Lab File: VD066920.D

Acq: 28 Sep 2020 18:22

Tgt Ion: 114 Resp: 663779

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	42.6
88	15.6	0.0	32.6

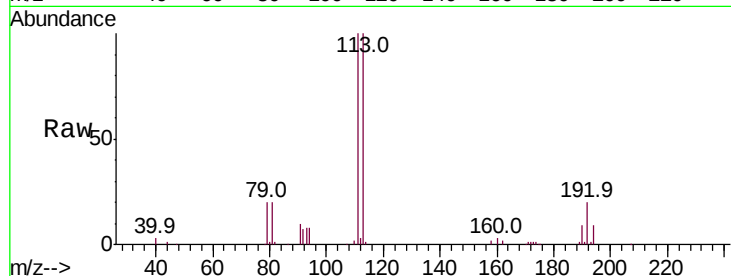




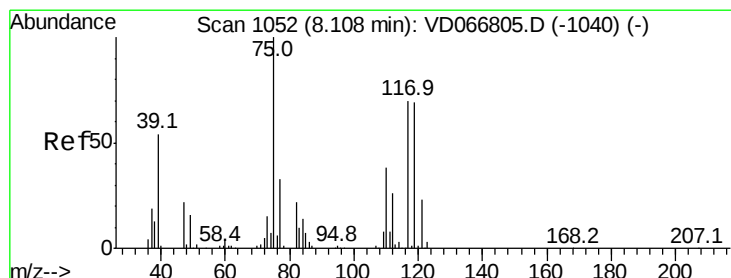
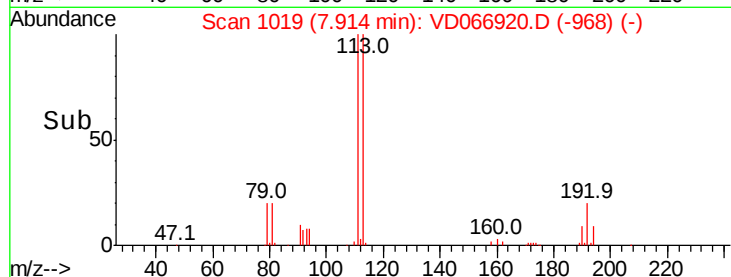
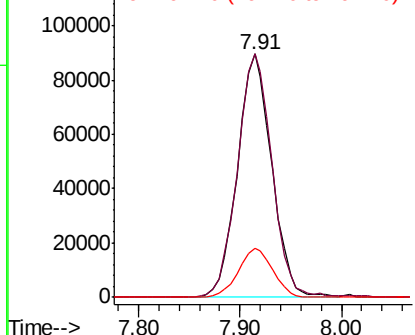
#35
Dibromofluoromethane
Concen: 49.592 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD066920.D
Acq: 28 Sep 2020 18:22

Instrument :
MSVOA_D
ClientSampleId :
PAV-B26-092420-18-19

Tot Ion:113 Resp: 209425
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.8
192 20.4 14.4 21.6

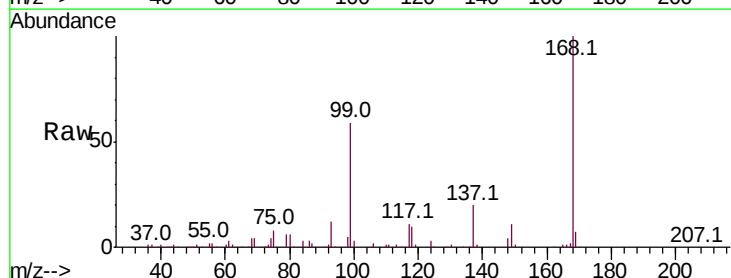


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

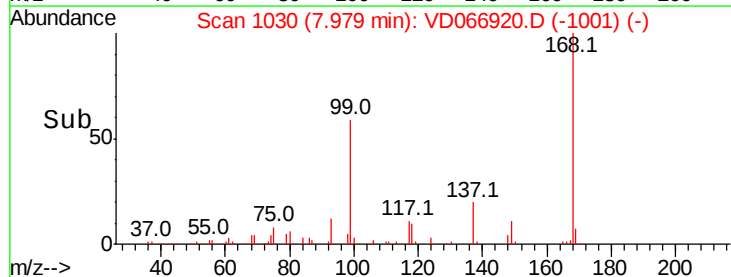
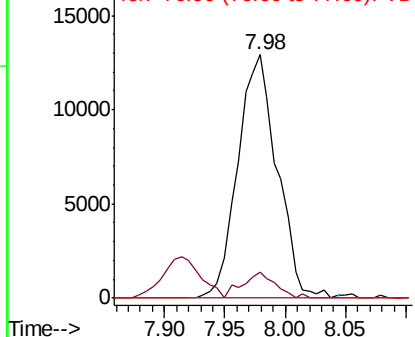


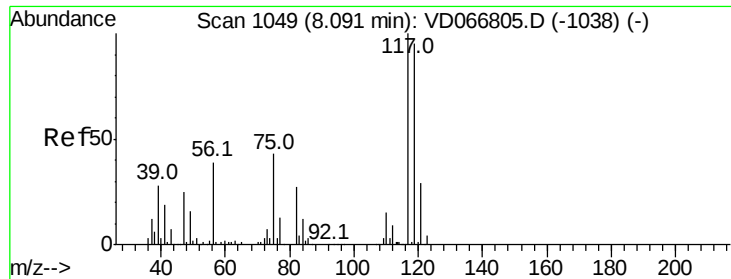
#36
1,1-Dichloropropene
Concen: 4.457 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.13 min
Lab File: VD066920.D
Acq: 28 Sep 2020 18:22

Tgt Ion: 75 Resp: 29350
Ion Ratio Lower Upper
75 100
110 9.0 17.9 53.8#
77 0.0 25.0 37.6#



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: 5.557 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066920.D

Acq: 28 Sep 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B26-092420-18-19

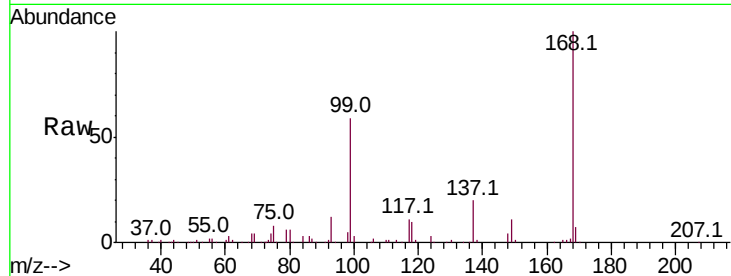
Tot Ion:117 Resp: 40007

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.8#

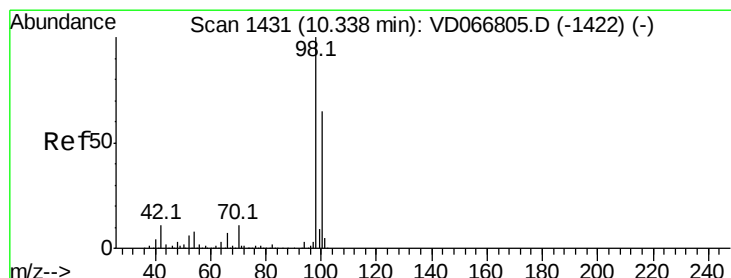
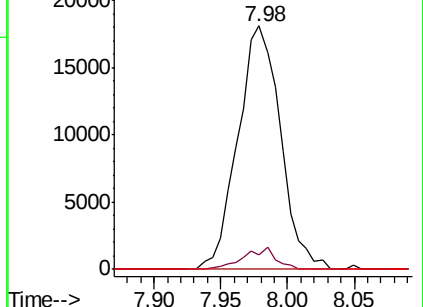
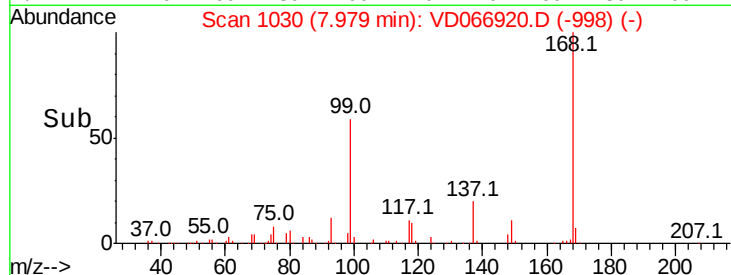
121 0.0 23.4 35.0#



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: 56.939 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066920.D

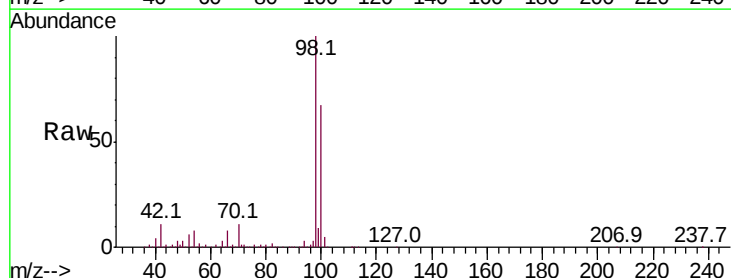
Acq: 28 Sep 2020 18:22

Tgt Ion: 98 Resp: 819255

Ion Ratio Lower Upper

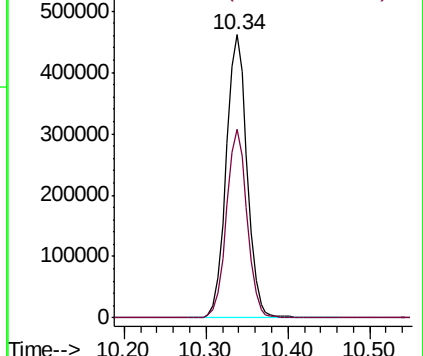
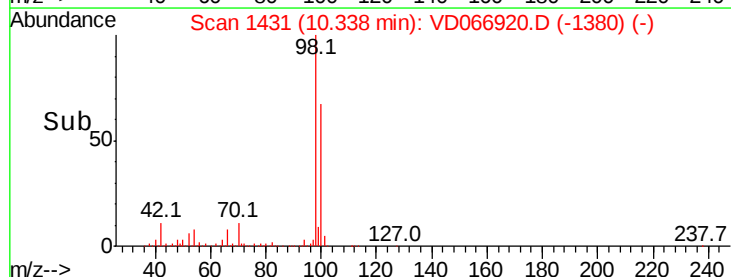
98 100

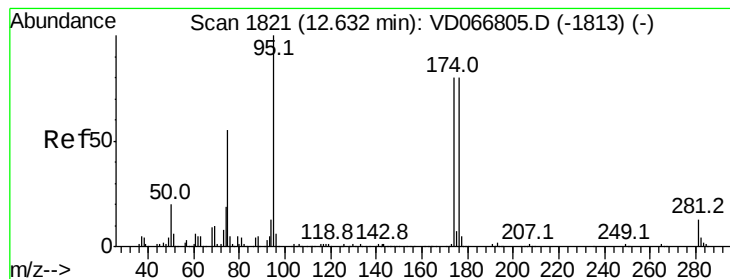
100 65.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 60.847 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066920.D

Acq: 28 Sep 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B26-092420-18-19

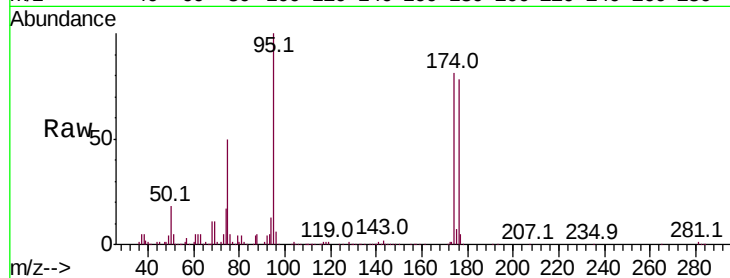
Tot Ion: 95 Resp: 299711

Ion Ratio Lower Upper

95 100

174 81.1 0.0 159.8

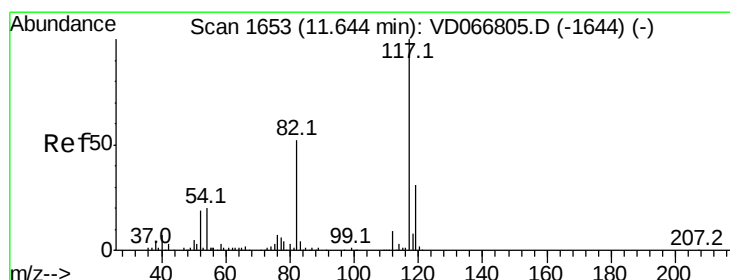
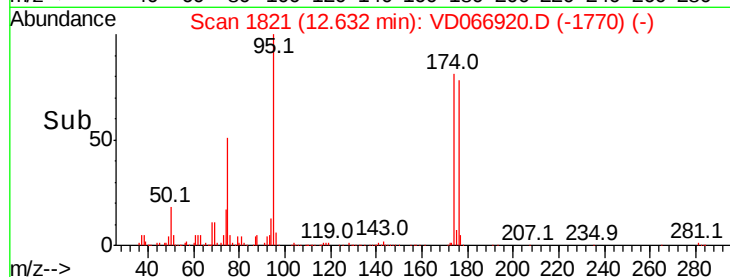
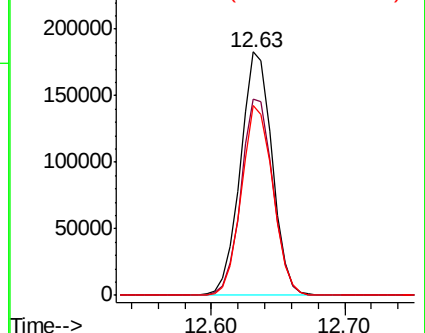
176 77.3 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD066920.D

Acq: 28 Sep 2020 18:22

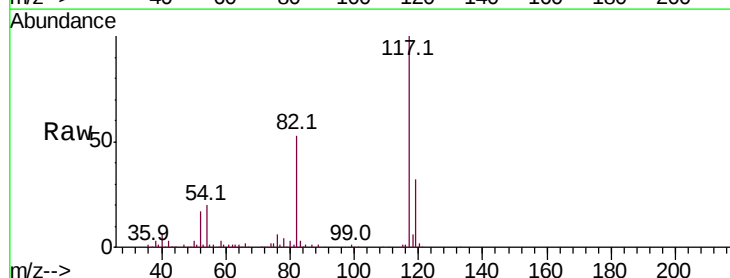
Tgt Ion: 117 Resp: 690186

Ion Ratio Lower Upper

117 100

82 53.5 41.8 62.6

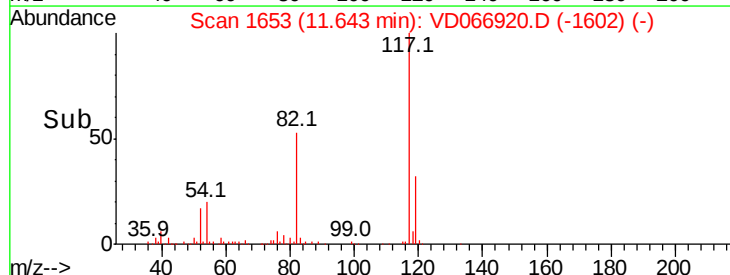
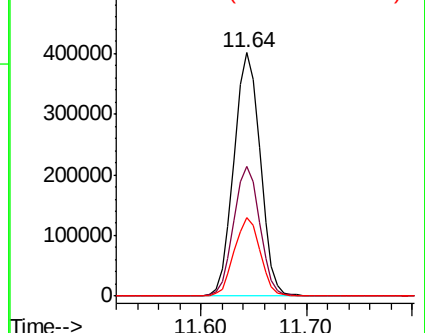
119 32.3 24.6 37.0

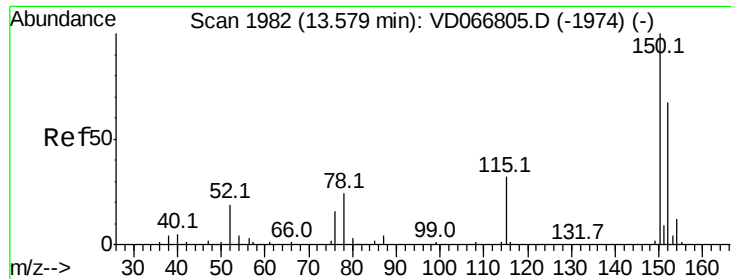


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066920.D

Acq: 28 Sep 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B26-092420-18-19

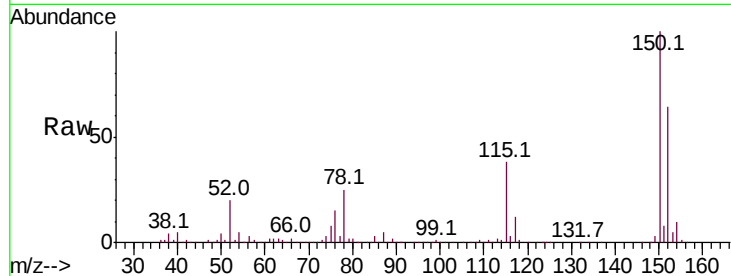
Tot Ion:152 Resp: 335389

Ion Ratio Lower Upper

152 100

115 59.9 30.3 91.0

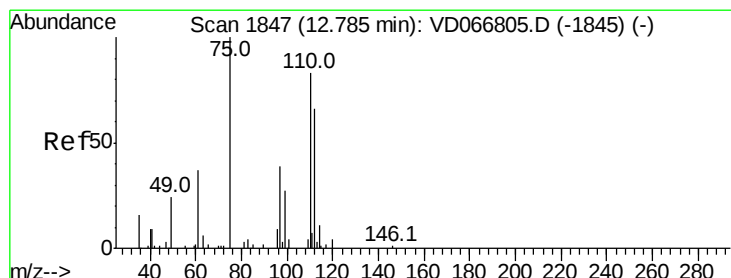
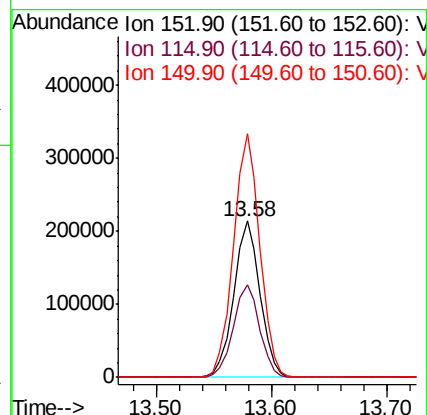
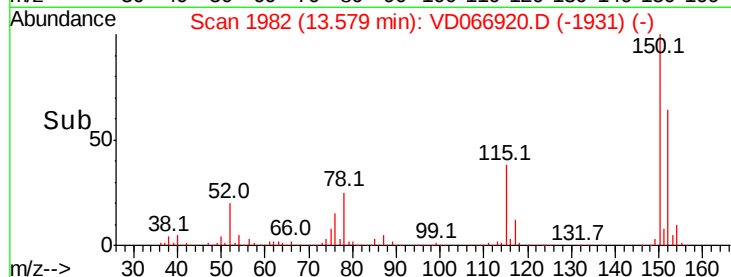
150 156.3 0.0 346.2



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: 54.953 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066920.D

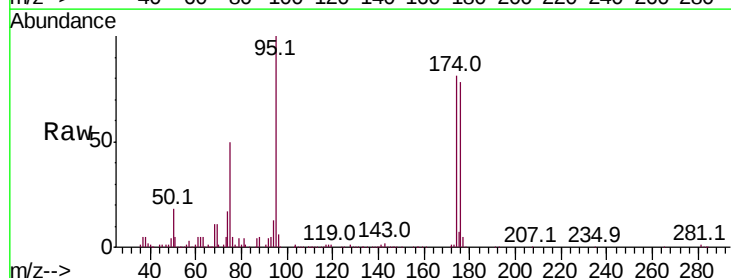
Acq: 28 Sep 2020 18:22

Tgt Ion: 75 Resp: 152739

Ion Ratio Lower Upper

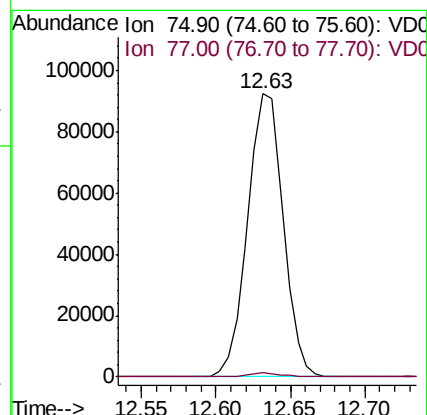
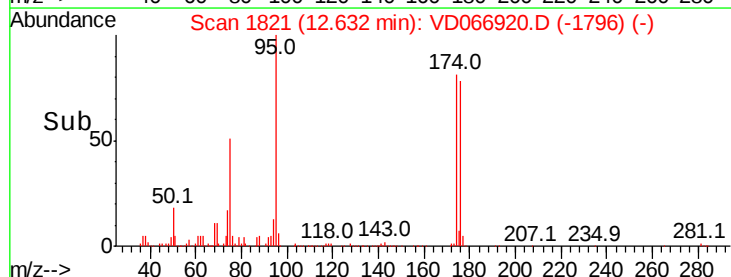
75 100

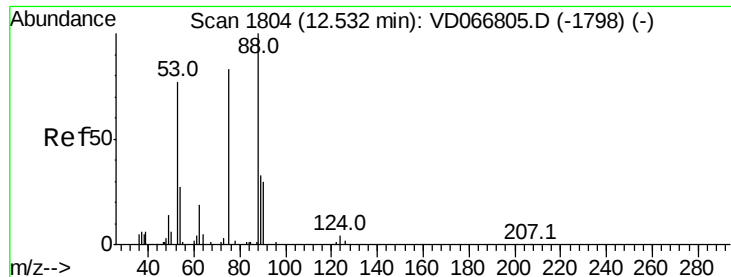
77 1.2 0.0 0.0#



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: 137.488 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066920.D

Acq: 28 Sep 2020 18:22

Instrument :

MSVOA_D

ClientSampleId :

PAV-B26-092420-18-19

Tot Ion: 75 Resp: 152739

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 38.1 57.1#

