

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066794.D
 Acq On : 21 Sep 2020 20:27
 Operator : VA/SY
 Sample : L4059-07
 Misc : 6.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B33-091720-18-19

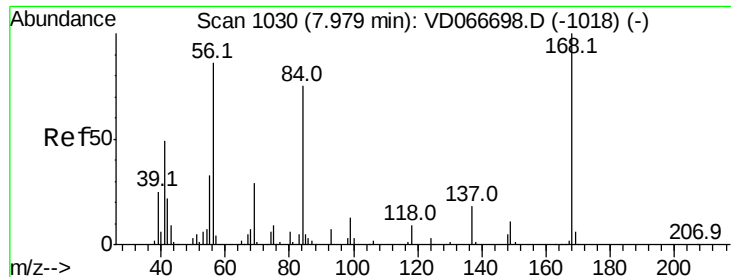
Quant Time: Sep 22 00:56:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	388912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	736870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	716005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	326767	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	242840	58.52	ug/l	0.00
Spiked Amount						
			Recovery	=	117.04%	
35) Dibromofluoromethane	7.91	113	244716	54.17	ug/l	0.00
Spiked Amount						
			Recovery	=	108.34%	
50) Toluene-d8	10.34	98	892308	55.44	ug/l	0.00
Spiked Amount						
			Recovery	=	110.88%	
62) 4-Bromofluorobenzene	12.63	95	307625	55.37	ug/l	0.00
Spiked Amount						
			Recovery	=	110.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	273	Below Cal	#	45
11) Tert butyl alcohol	5.18	59	58	Below Cal	#	76
16) Acetone	4.16	43	14597	17.275	ug/l	98
18) Methyl Acetate	4.70	43	80	Below Cal	#	52
20) Methylene Chloride	4.97	84	58138	6.376	ug/l	86
25) 2-Butanone	7.23	43	3828	3.479	ug/l	97
31) Cyclohexane	7.98	56	10907	1.488	ug/l #	51
36) 1,1-Dichloropropene	7.98	75	34318	4.530	ug/l #	49
37) Ethyl Acetate	7.23	43	3828	1.335	ug/l #	70
38) Carbon Tetrachloride	7.98	117	43385	5.393	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	164216	58.712	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	164216	126.710	ug/l #	8

(#) = 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: VD066794.D

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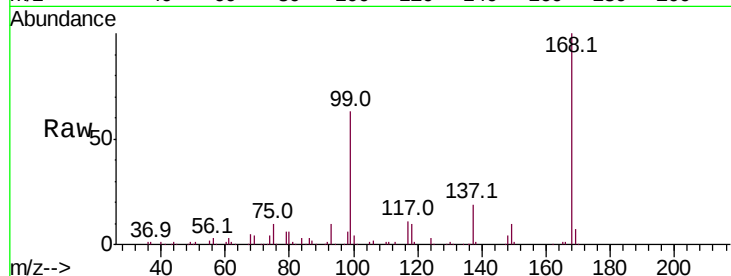
PAV-B33-091720-18-19

Tot Ion:168 Resp: 388912

Ion Ratio Lower Upper

168 100

99 62.8 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

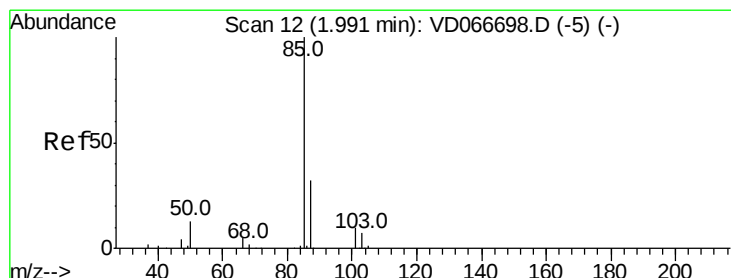
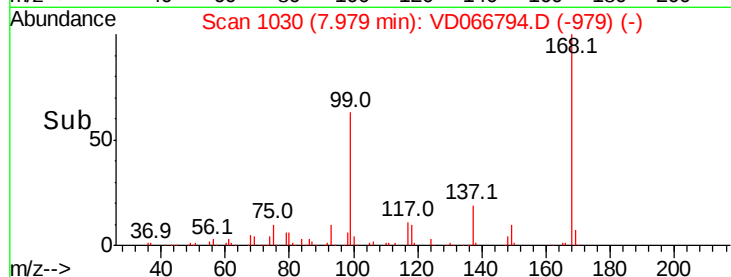
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD066794.D

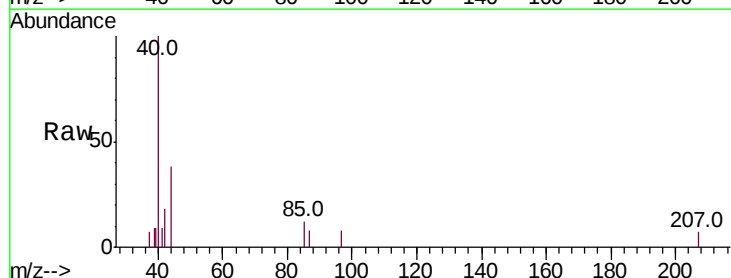
Acq: 21 Sep 2020 20:27

Tgt Ion: 85 Resp: 273

Ion Ratio Lower Upper

85 100

87 62.5 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

400

300

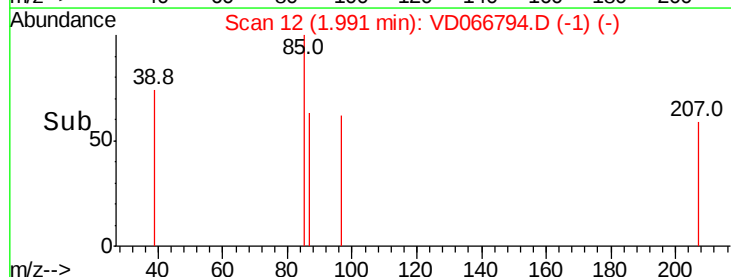
200

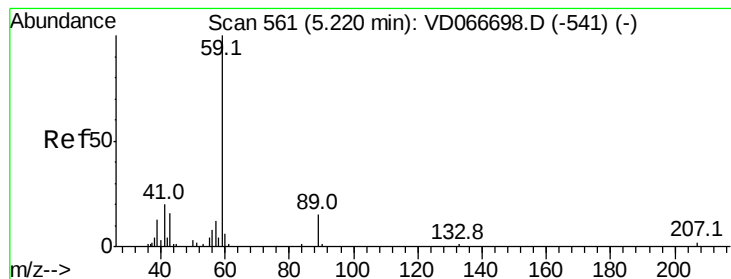
100

0

1.96 1.98 2.00

Time-->



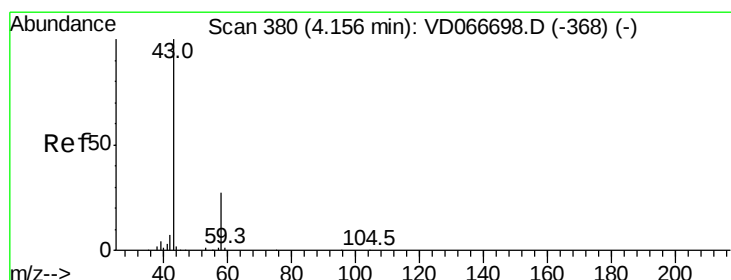
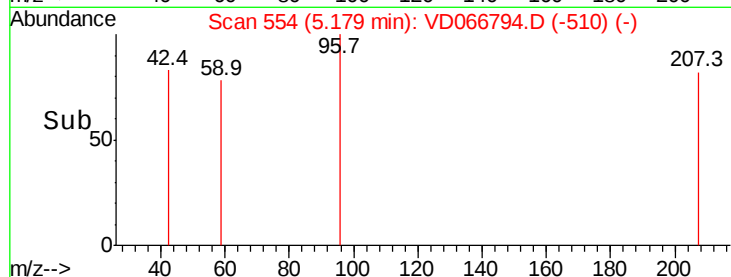
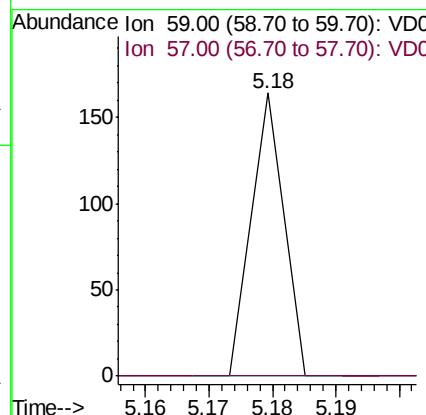
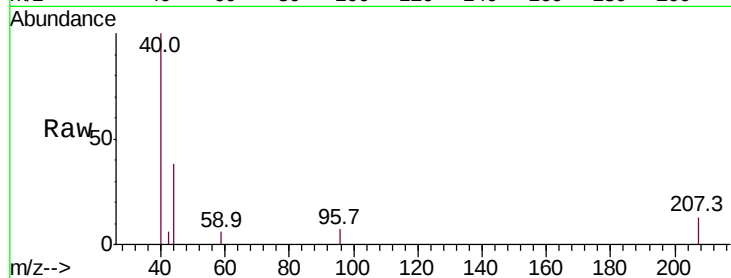


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 554
 Delta R.T. -0.04 min
 Lab File: VD066794.D
 Acq: 21 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B33-091720-18-19

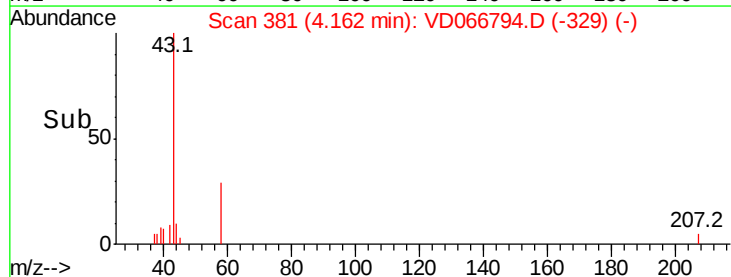
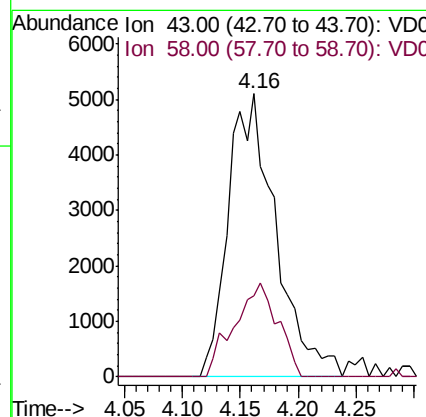
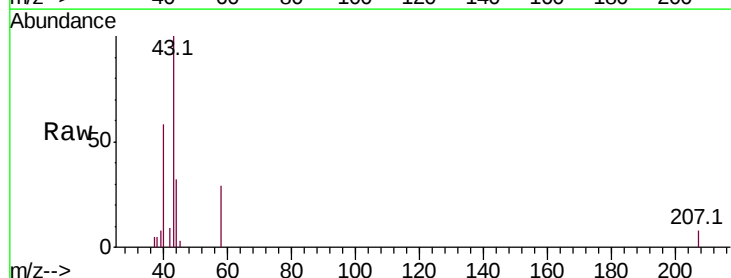
Tot Ion: 59 Resp: 58
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

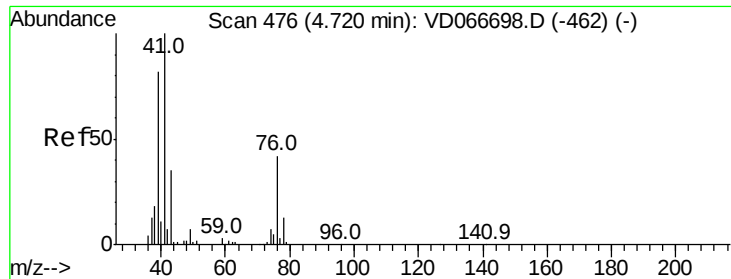


#16

Acetone
 Concen: 17.275 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066794.D
 Acq: 21 Sep 2020 20:27

Tgt Ion: 43 Resp: 14597
 Ion Ratio Lower Upper
 43 100
 58 28.6 21.9 32.9

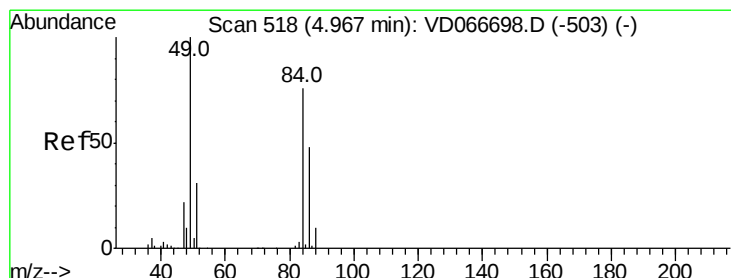
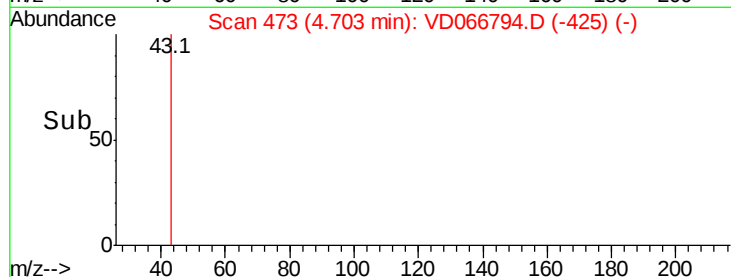
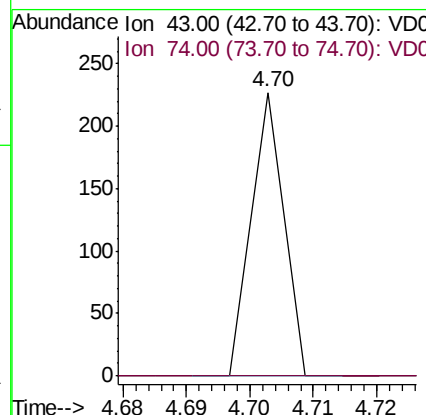
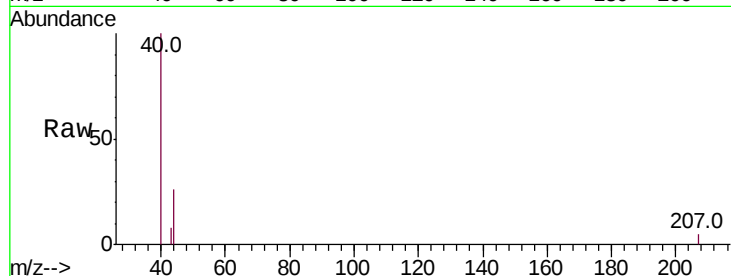




#18
Methyl Acetate
Concen: Below Cal
RT: 4.70 min Scan# 473
Delta R.T. -0.02 min
Lab File: VD066794.D
Acq: 21 Sep 2020 20:27

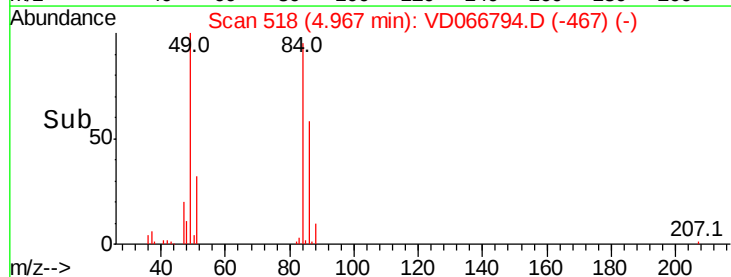
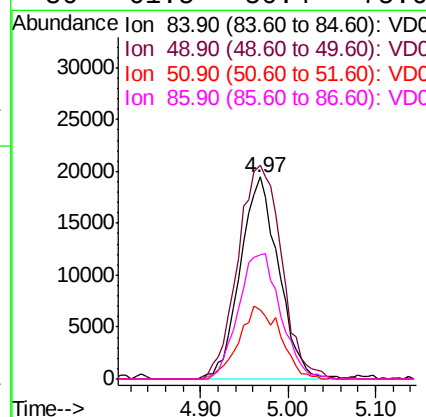
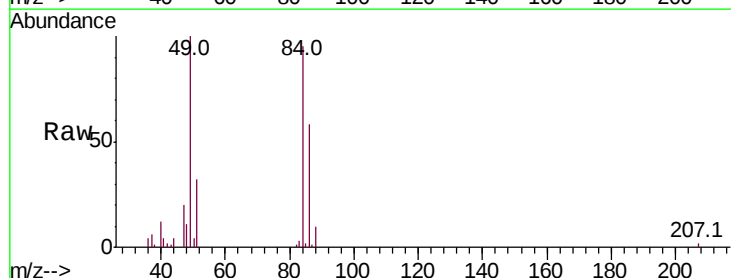
Instrument :
MSVOA_D
ClientSampleId :
PAV-B33-091720-18-19

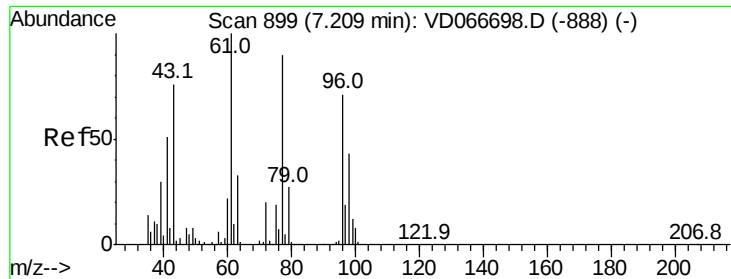
Tot Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 6.376 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066794.D
Acq: 21 Sep 2020 20:27

Tgt Ion: 84 Resp: 58138
Ion Ratio Lower Upper
84 100
49 105.8 105.0 157.6
51 34.2 32.2 48.4
86 61.5 50.4 75.6





#25

2-Butanone

Concen: 3.479 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD066794.D

Acq: 21 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

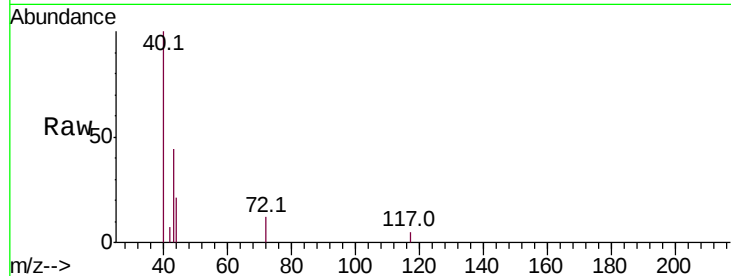
PAV-B33-091720-18-19

Tot Ion: 43 Resp: 3828

Ion Ratio Lower Upper

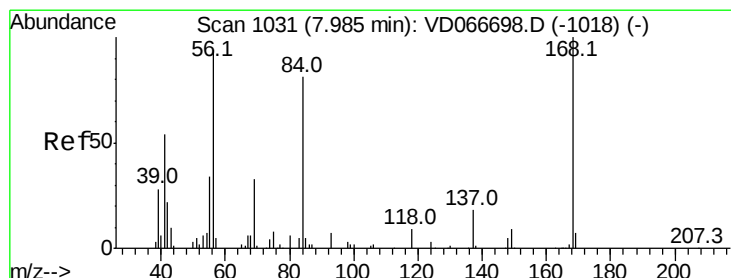
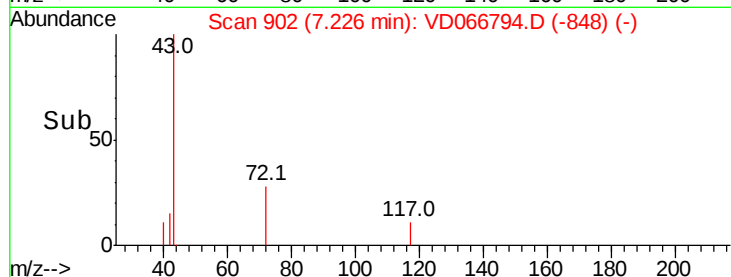
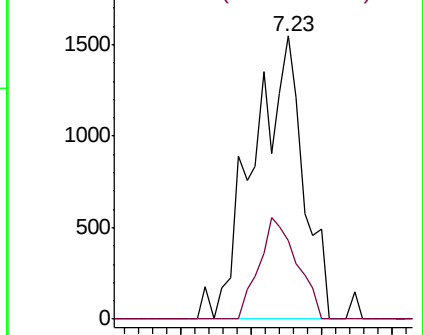
43 100

72 27.7 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: 1.488 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066794.D

Acq: 21 Sep 2020 20:27

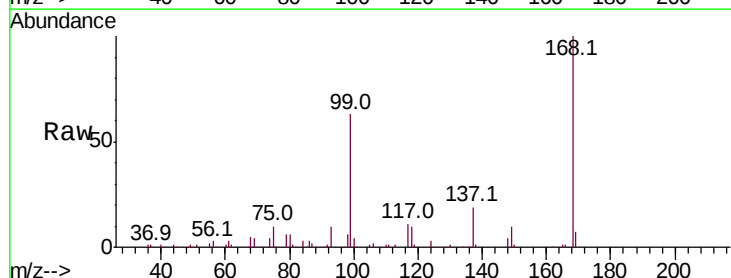
Tgt Ion: 56 Resp: 10907

Ion Ratio Lower Upper

56 100

69 130.2 27.7 41.5#

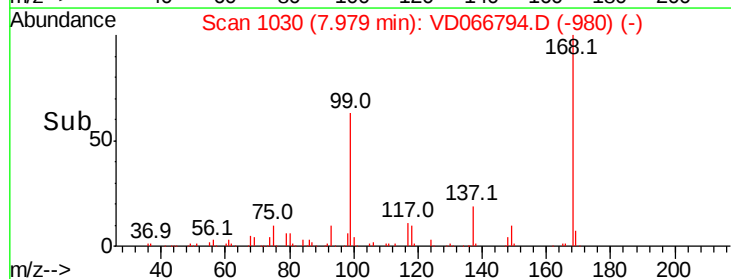
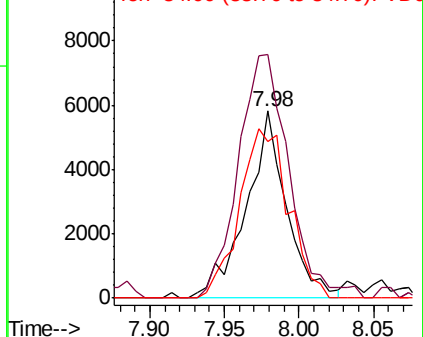
84 83.6 68.5 102.7

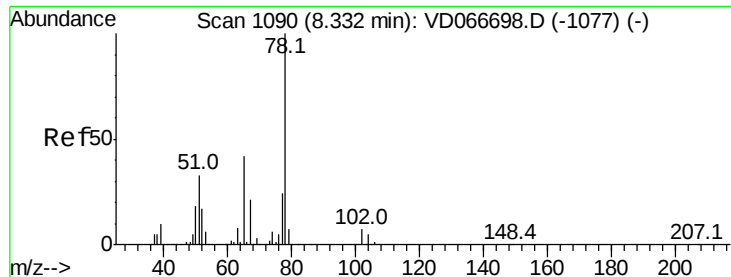


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.523 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066794.D

Acq: 21 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

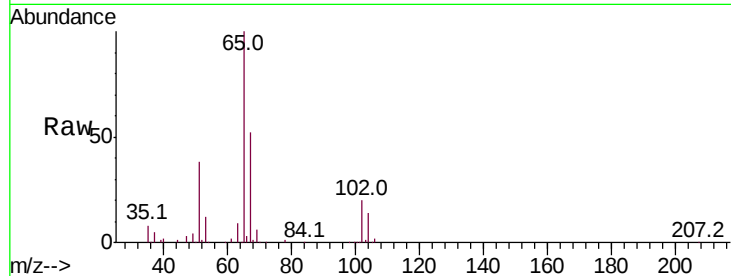
PAV-B33-091720-18-19

Tot Ion: 65 Resp: 242840

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

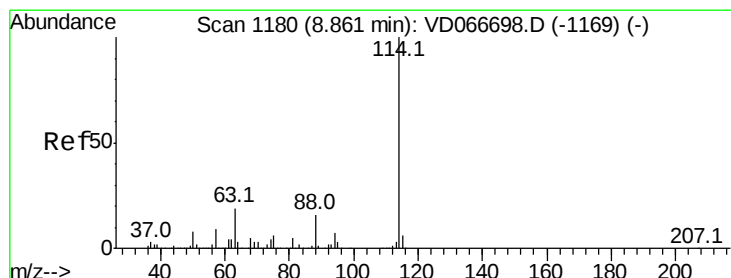
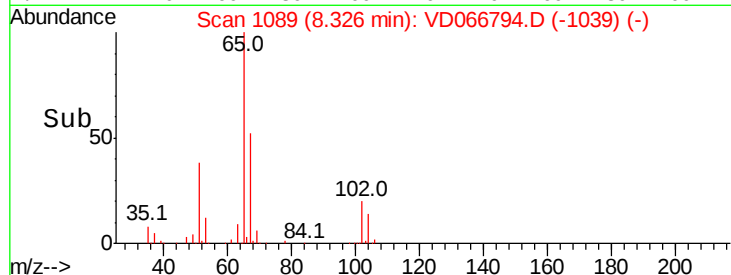
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066794.D

Acq: 21 Sep 2020 20:27

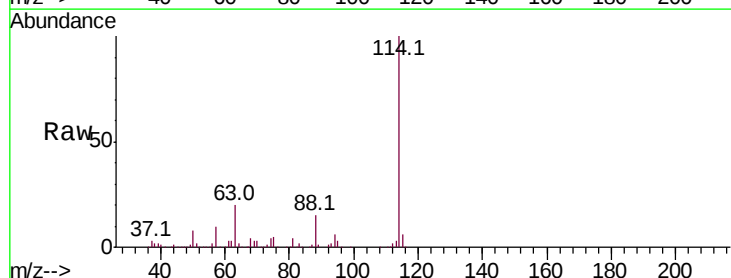
Tgt Ion: 114 Resp: 736870

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.6

88 15.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

500000

400000

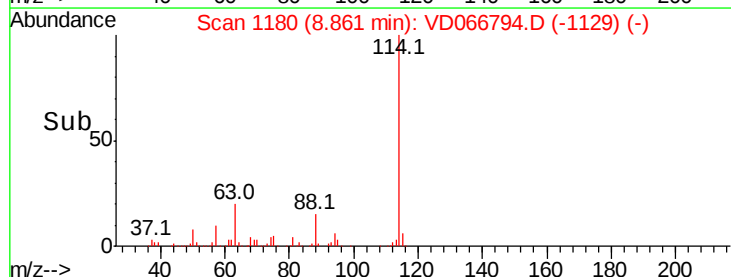
300000

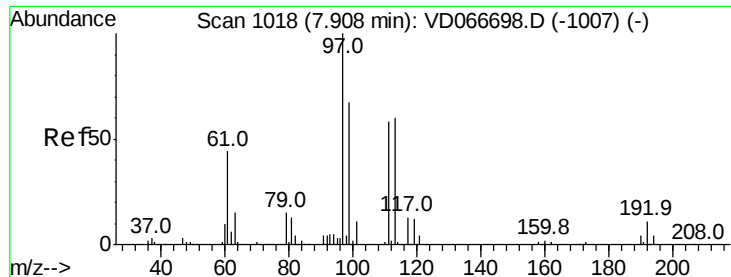
200000

100000

0

Time--> 8.80 8.90 9.00

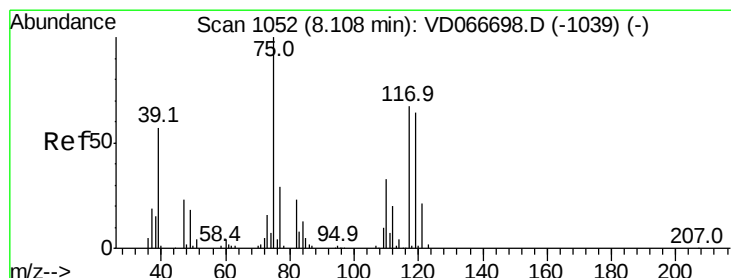
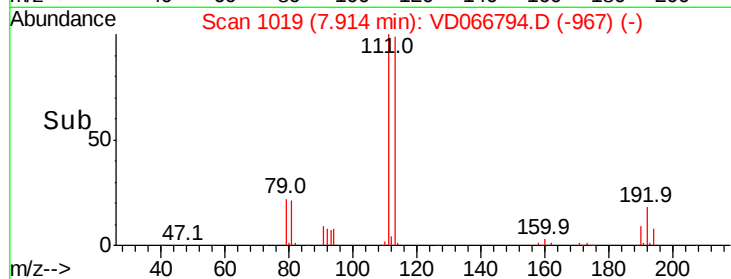
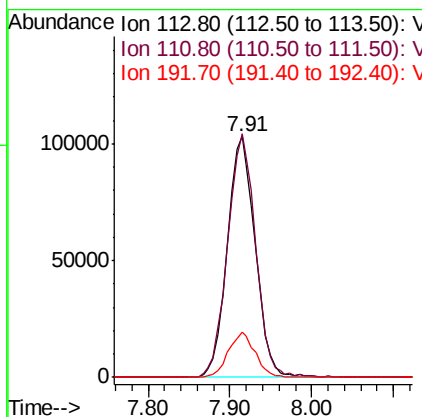
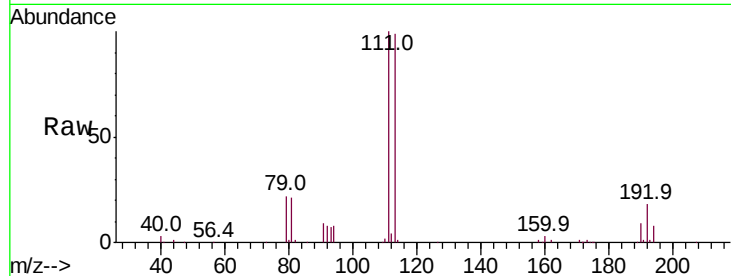




#35
Dibromofluoromethane
Concen: 54.168 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066794.D
Acq: 21 Sep 2020 20:27

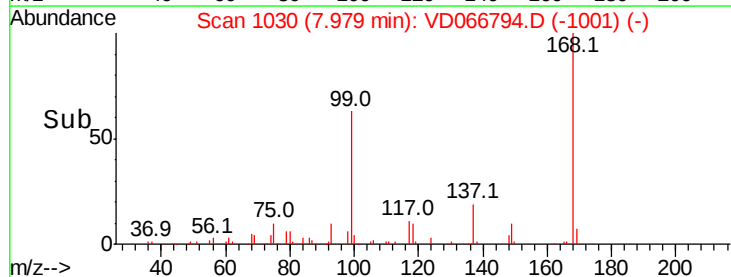
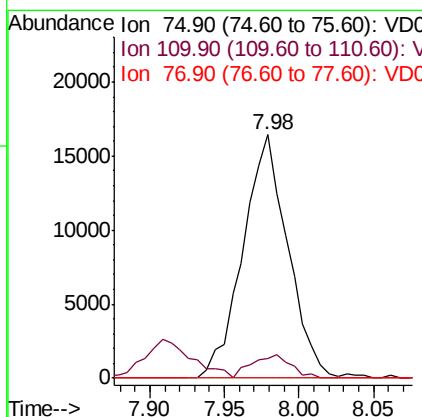
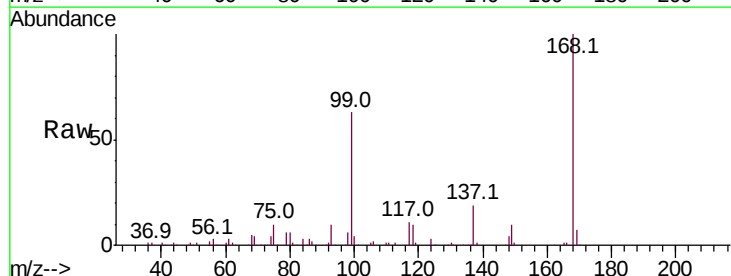
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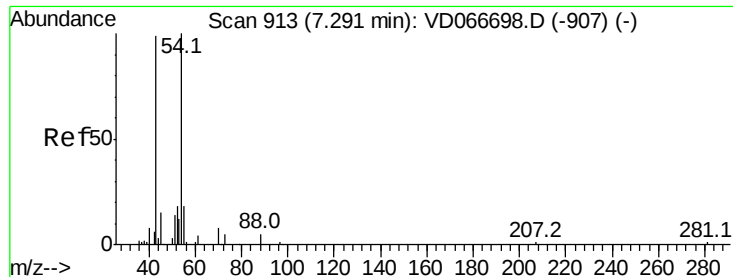
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.2	124.8
192	17.9	14.8	22.2



#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.13 min
Lab File: VD066794.D
Acq: 21 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.1	51.2#
77	0.0	25.0	37.6#

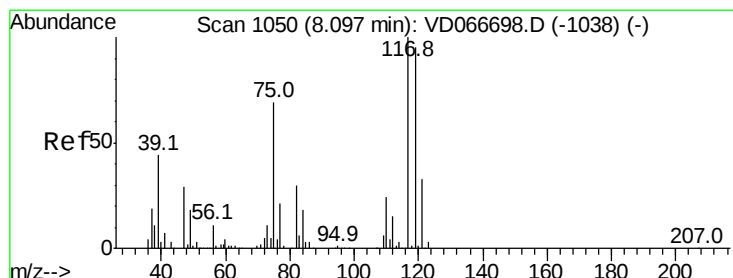
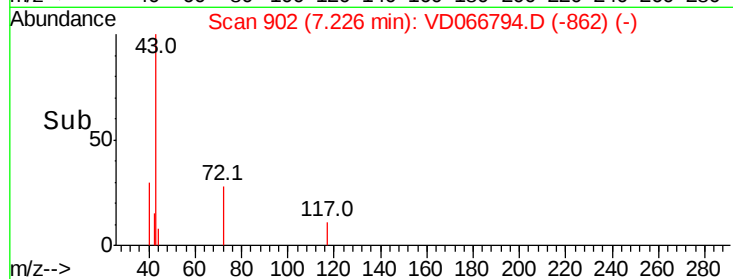
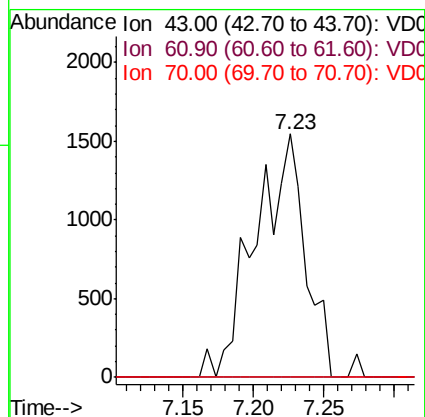
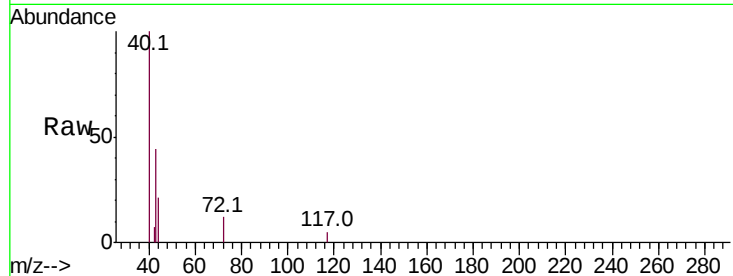




#37
Ethyl Acetate
Concen: 1.335 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.06 min
Lab File: VD066794.D
Acq: 21 Sep 2020 20:27

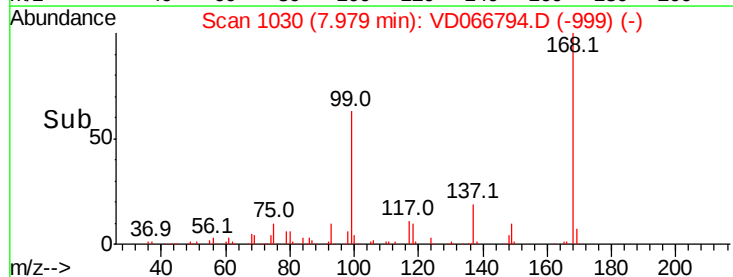
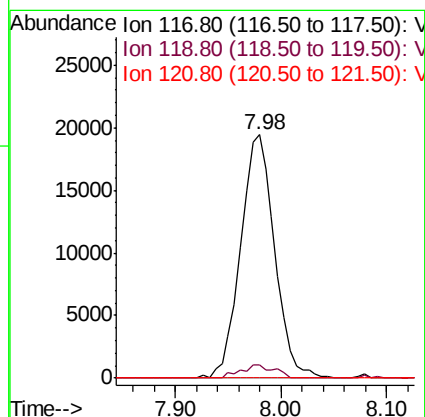
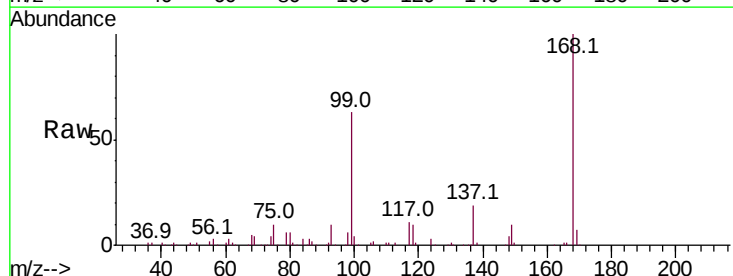
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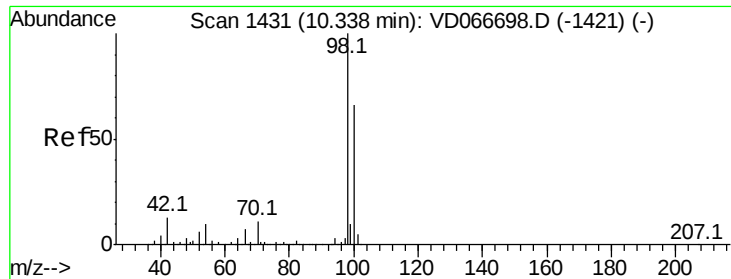
Tot Ion: 43 Resp: 3828
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.393 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066794.D
Acq: 21 Sep 2020 20:27

Tgt Ion: 117 Resp: 43385
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 26.2 39.4#





#50

Toluene-d8

Concen: 55.438 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066794.D

Acq: 21 Sep 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

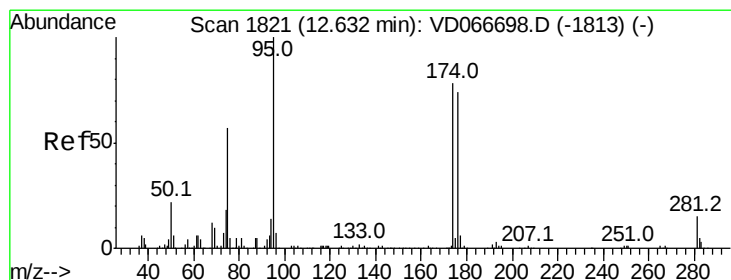
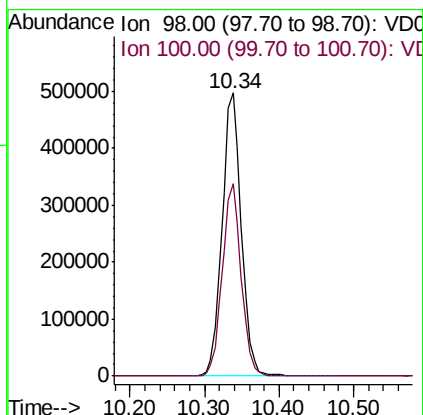
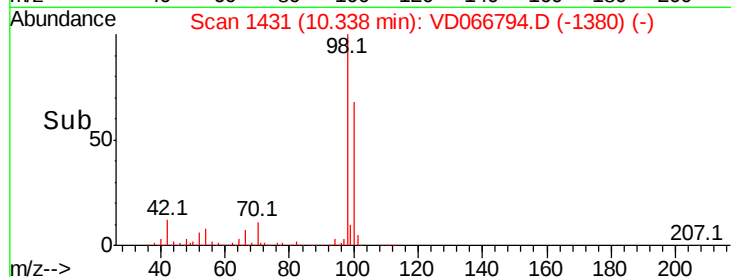
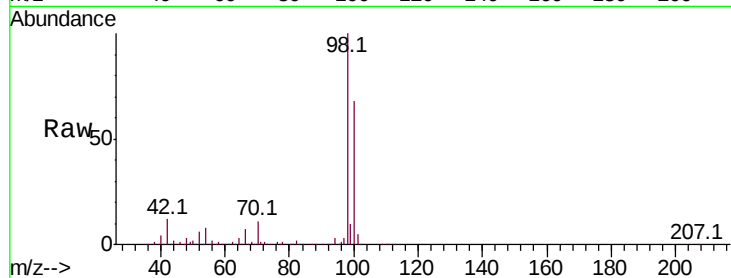
PAV-B33-091720-18-19

Tot Ion: 98 Resp: 892308

Ion Ratio Lower Upper

98 100

100 66.5 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 55.368 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066794.D

Acq: 21 Sep 2020 20:27

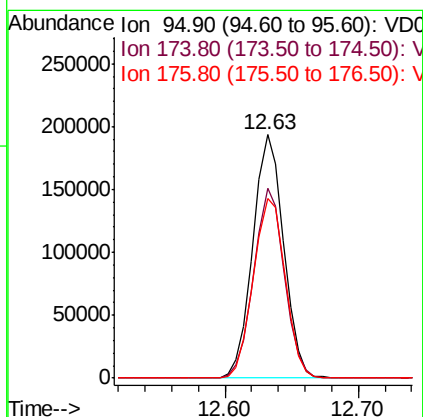
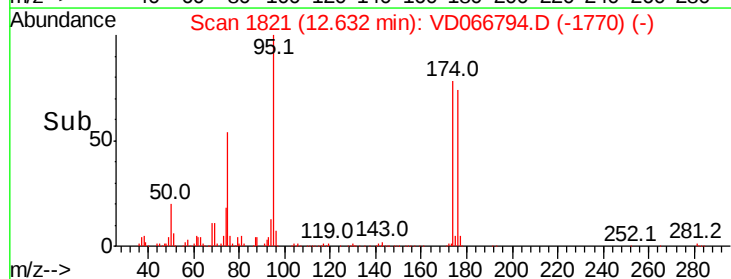
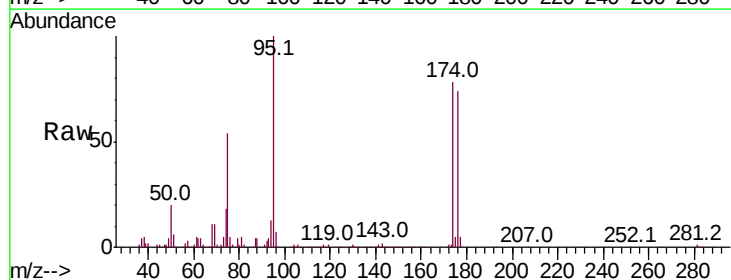
Tgt Ion: 95 Resp: 307625

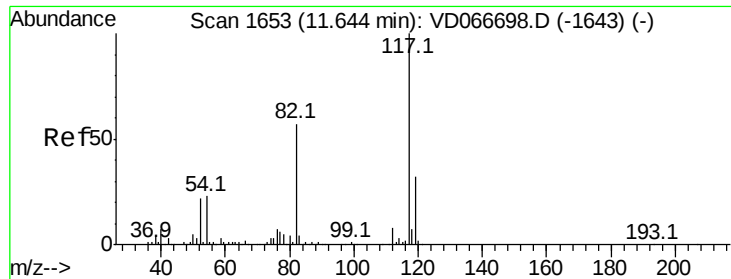
Ion Ratio Lower Upper

95 100

174 77.7 0.0 156.6

176 76.1 0.0 150.2

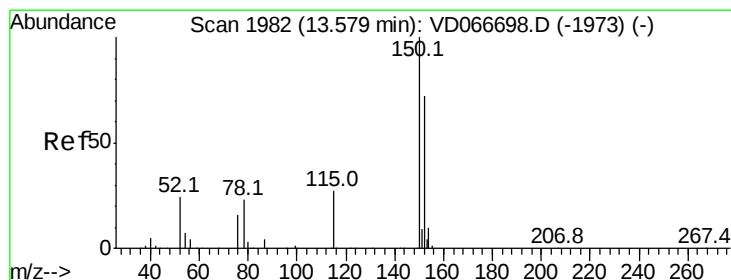
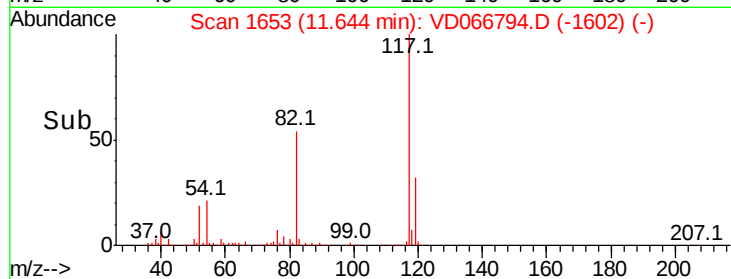
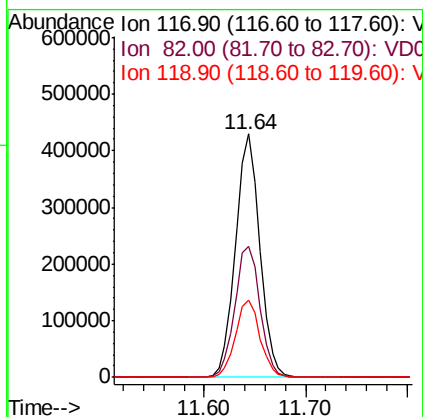
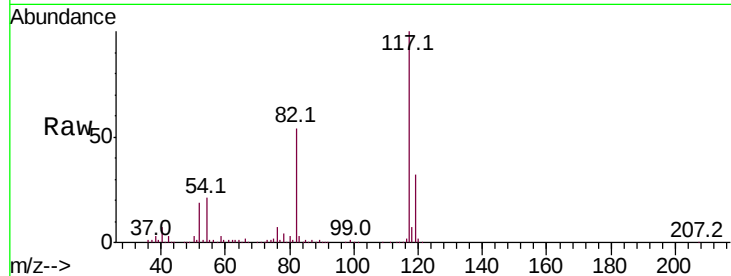




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066794.D
Acq: 21 Sep 2020 20:27

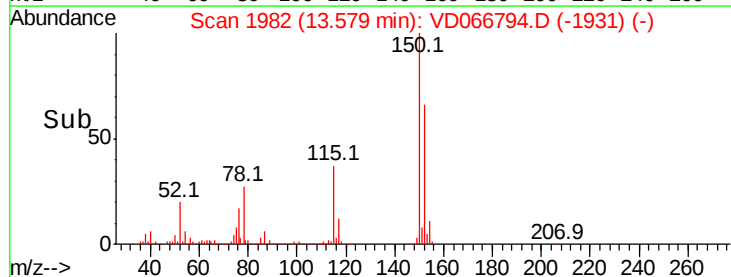
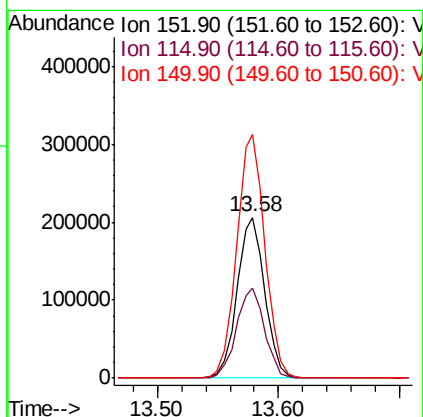
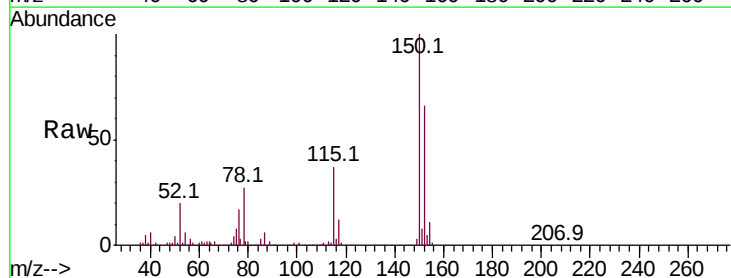
Instrument :
MSVOA_D
ClientSampleId :
PAV-B33-091720-18-19

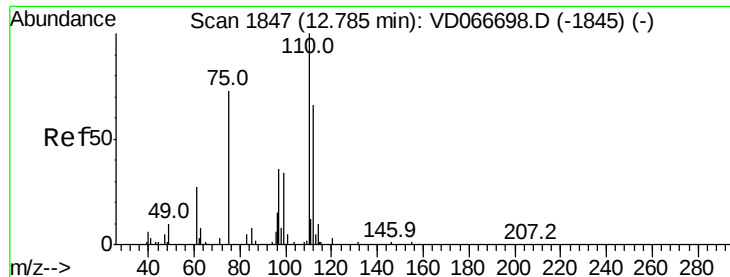
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.4	68.0
119	31.8	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066794.D
Acq: 21 Sep 2020 20:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	30.5	91.5
150	155.1	0.0	344.6

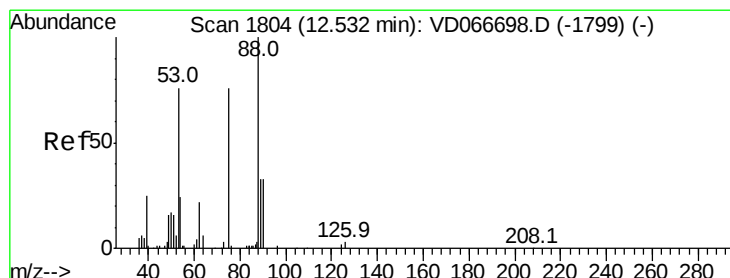
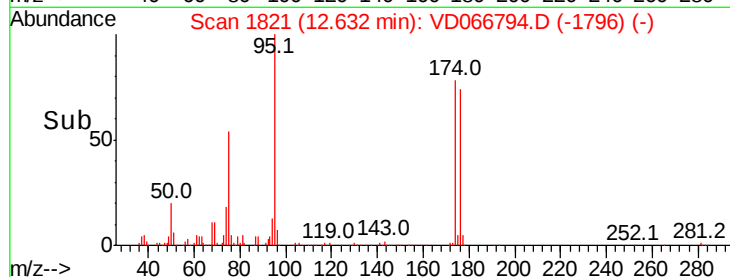
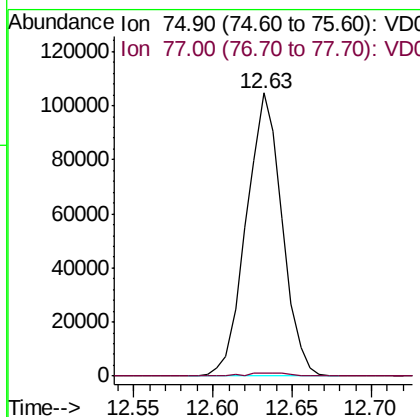
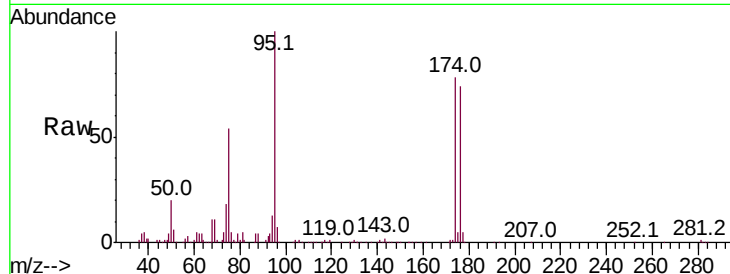




#76
 1,2,3-Trichloropropane
 Concen: 58.712 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066794.D
 Acq: 21 Sep 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B33-091720-18-19

Tot Ion: 75 Resp: 164216
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.710 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066794.D
 Acq: 21 Sep 2020 20:27

Tgt Ion: 75 Resp: 164216
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.2 123.4#
 89 0.0 39.6 59.4#

