

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066793.D
 Acq On : 21 Sep 2020 20:00
 Operator : VA/SY
 Sample : L4059-01
 Misc : 6.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B33-091720-0-1

Quant Time: Sep 22 00:56:18 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	388522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	729367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	705946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303241	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	224543	54.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.34%		
35) Dibromofluoromethane	7.91	113	239798	53.63	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.26%		
50) Toluene-d8	10.34	98	887260	55.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.38%		
62) 4-Bromofluorobenzene	12.63	95	297482	54.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.18%		

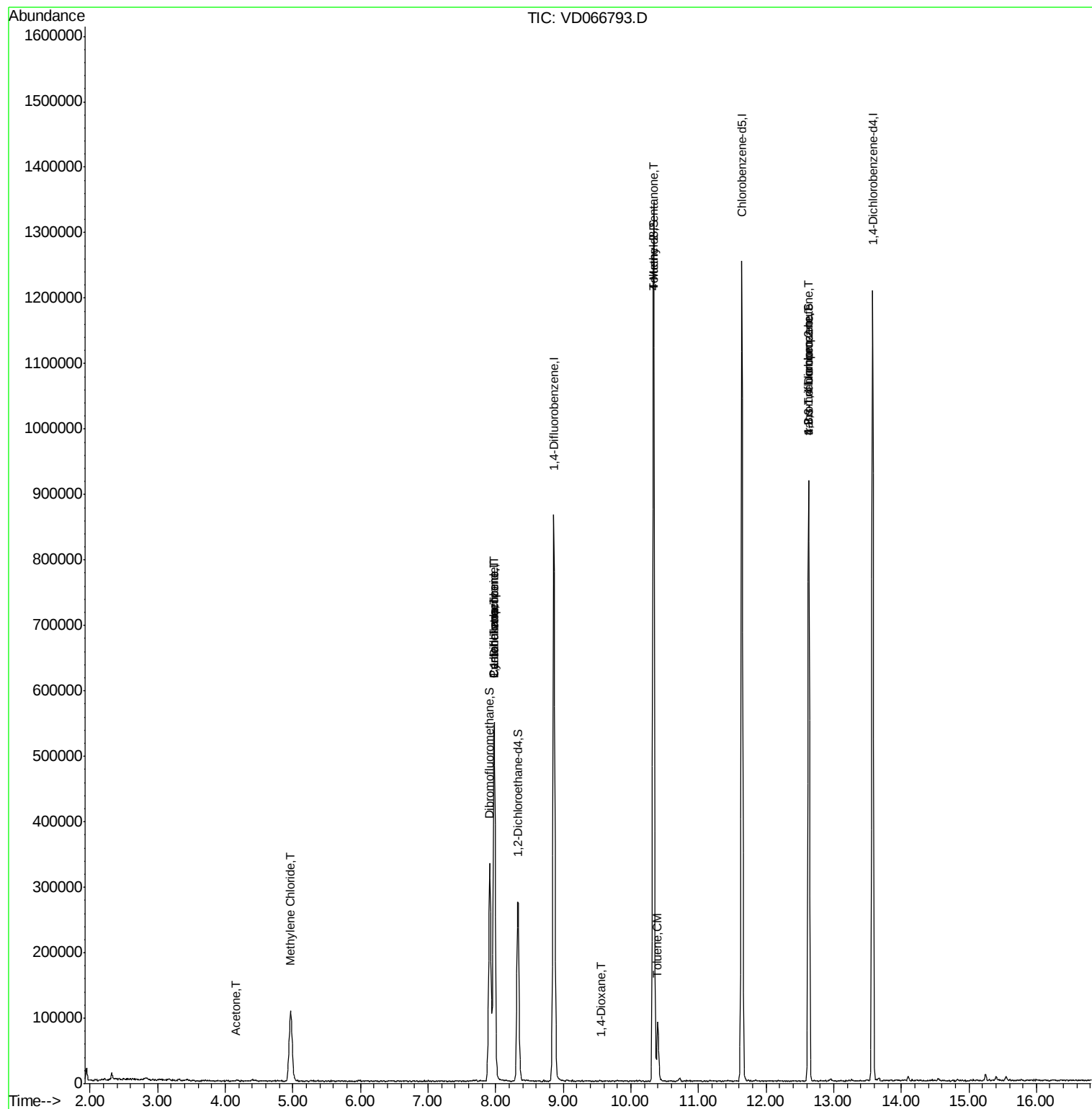
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.16	85	55	Below Cal	#	43
16) Acetone	4.16	43	892	1.057	ug/l #	47
18) Methyl Acetate	4.72	43	821	Below Cal	#	52
20) Methylene Chloride	4.97	84	84854	13.295	ug/l	84
31) Cyclohexane	7.97	56	8725	1.192	ug/l #	5
36) 1,1-Dichloropropene	7.97	75	32821	4.377	ug/l #	50
38) Carbon Tetrachloride	7.98	117	42883	5.385	ug/l #	17
49) 1,4-Dioxane	9.56	88	56	1.897	ug/l #	1
51) 4-Methyl-2-Pentanone	10.34	43	4132	1.502	ug/l #	1
52) Toluene	10.40	92	35591	2.738	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	158850	61.199	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	158850	132.078	ug/l #	8

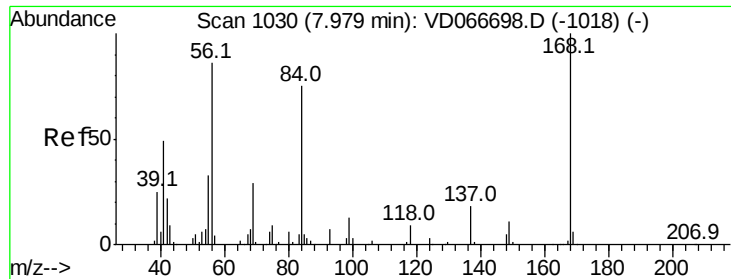
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092120\
Data File : VD066793.D
Acq On : 21 Sep 2020 20:00
Operator : VA/SY
Sample : L4059-01
Misc : 6.07G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PAV-B33-091720-0-1

Quant Time: Sep 22 00:56:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
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: VD066793.D

Acq: 21 Sep 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

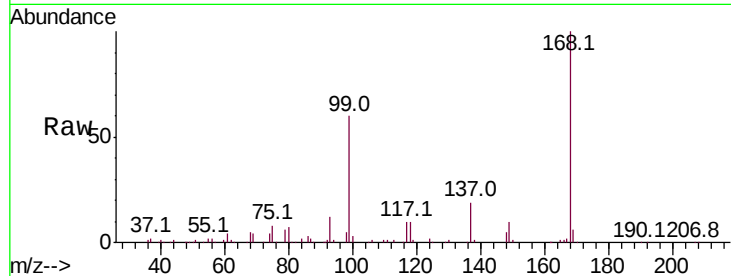
PAV-B33-091720-0-1

Tot Ion:168 Resp: 388522

Ion Ratio Lower Upper

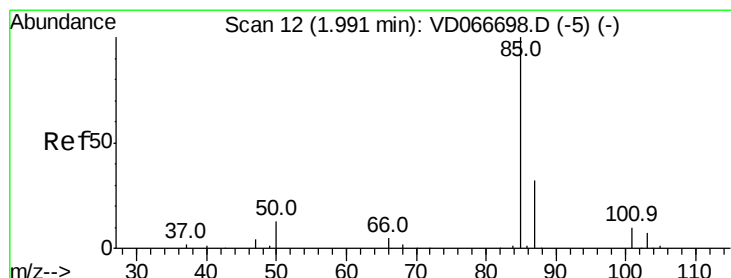
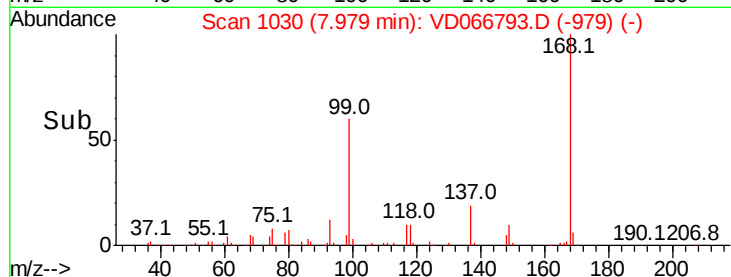
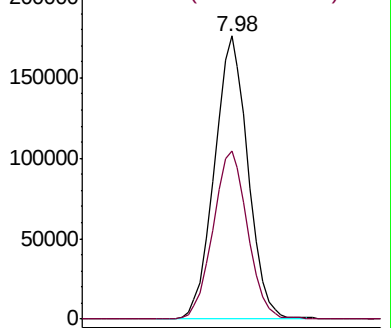
168 100

99 59.5 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.16 min Scan# 40

Delta R.T. 0.16 min

Lab File: VD066793.D

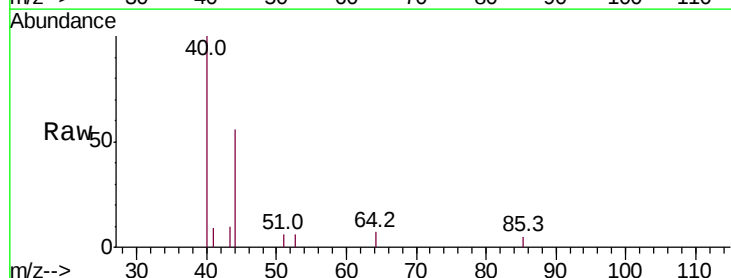
Acq: 21 Sep 2020 20:00

Tgt Ion: 85 Resp: 55

Ion Ratio Lower Upper

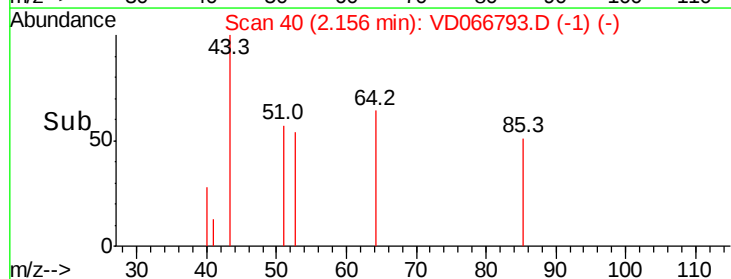
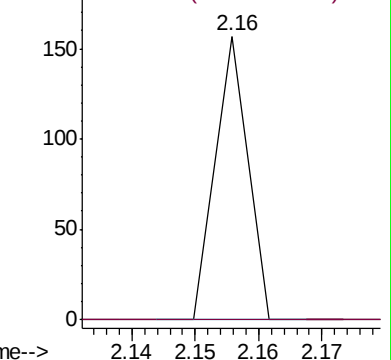
85 100

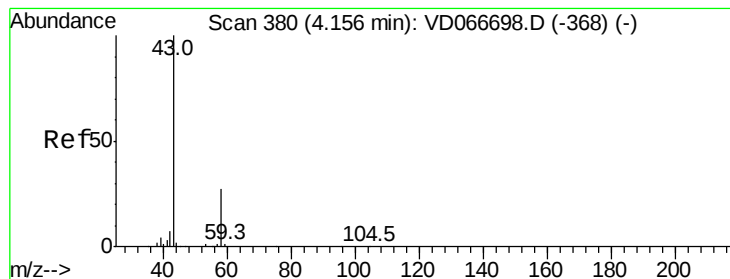
87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 1.057 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066793.D

Acq: 21 Sep 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

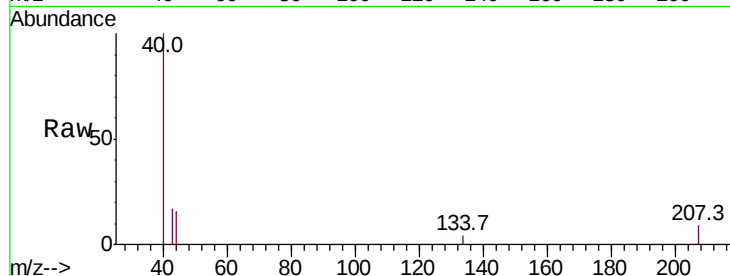
PAV-B33-091720-0-1

Tot Ion: 43 Resp: 892

Ion Ratio Lower Upper

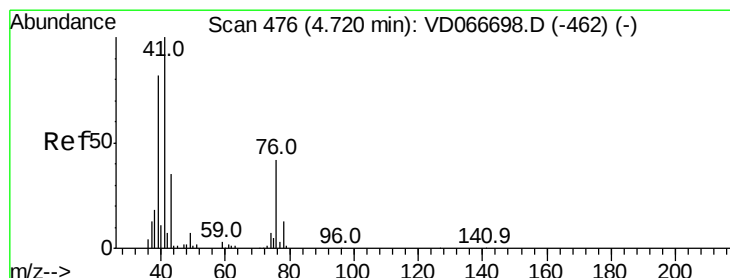
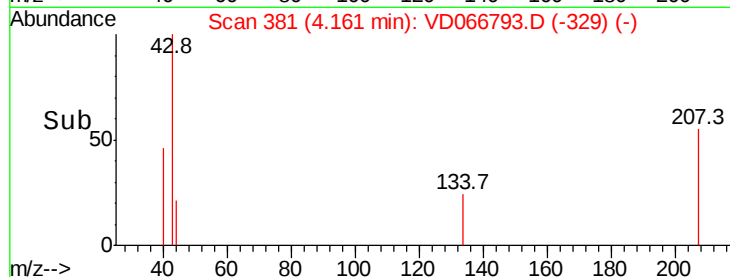
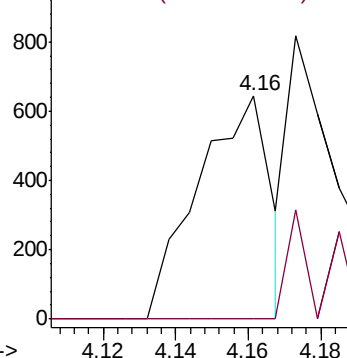
43 100

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



#18

Methyl Acetate

Concen: Below Cal

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD066793.D

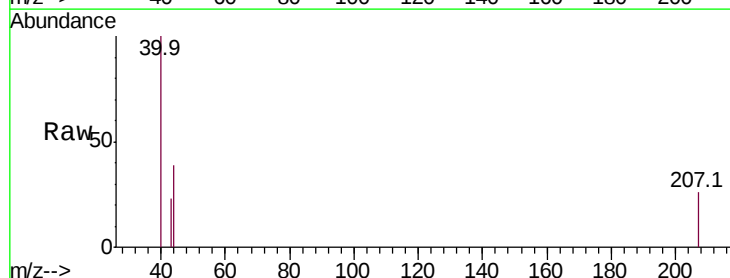
Acq: 21 Sep 2020 20:00

Tgt Ion: 43 Resp: 821

Ion Ratio Lower Upper

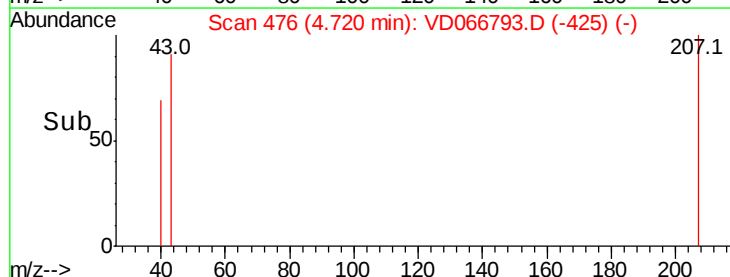
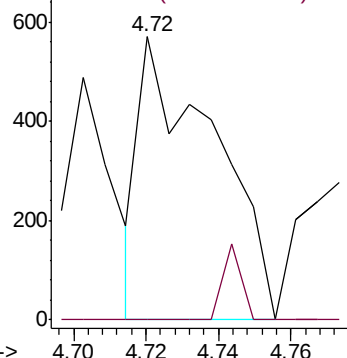
43 100

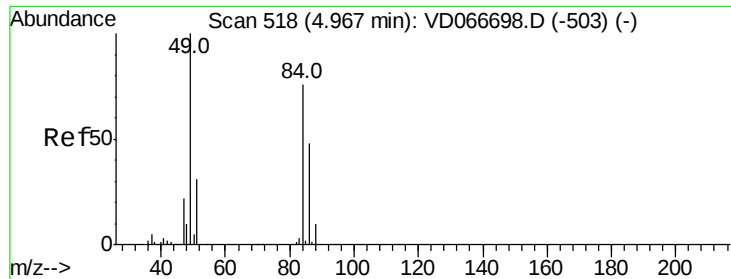
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

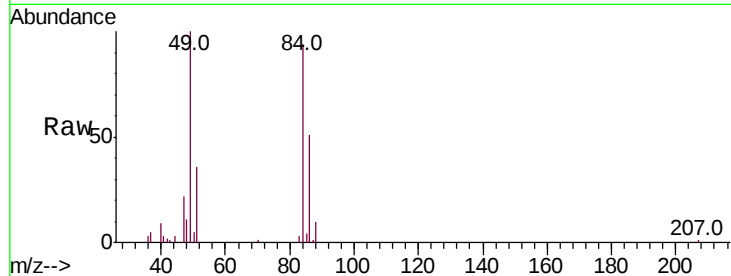




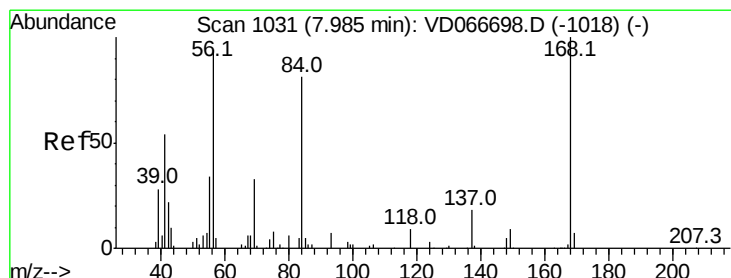
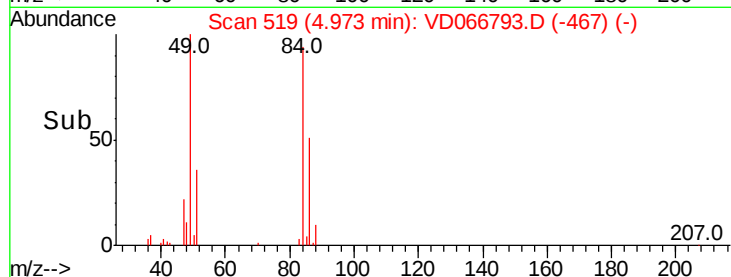
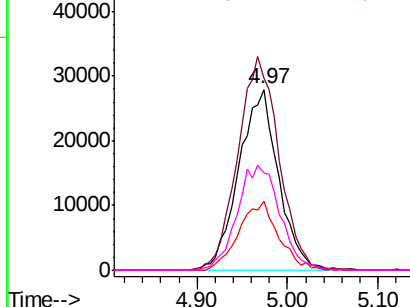
#20
Methylene Chloride
Concen: 13.295 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066793.D
Acq: 21 Sep 2020 20:00

Instrument :
MSVOA_D
ClientSampleId :
PAV-B33-091720-0-1

Tot Ion:	84	Resp:	84854
Ion	Ratio	Lower	Upper
84	100		
49	106.2	105.0	157.6
51	38.2	32.2	48.4
86	54.0	50.4	75.6

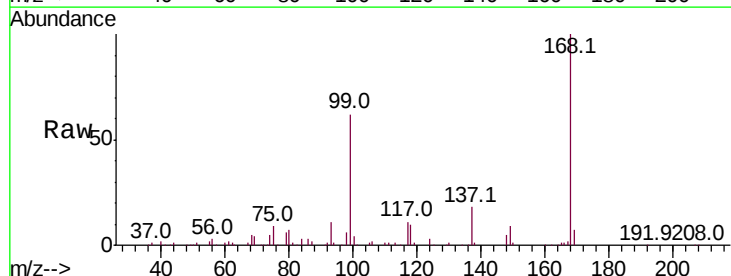


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

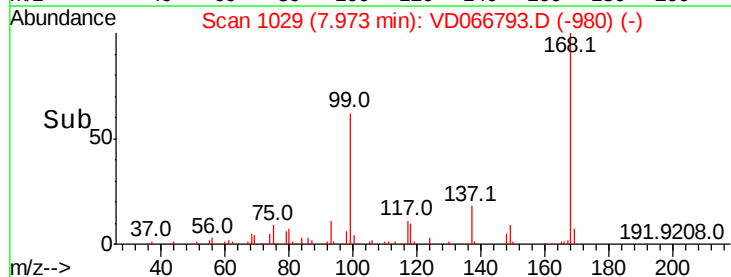
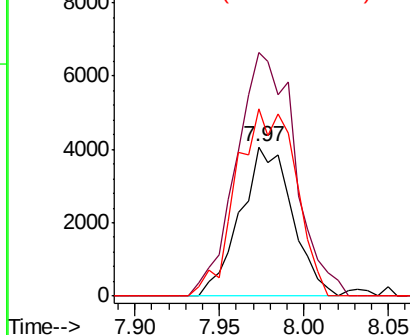


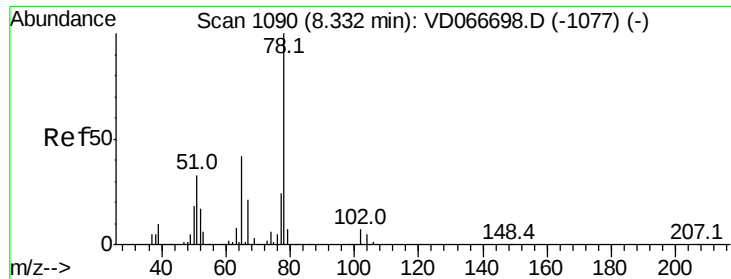
#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066793.D
Acq: 21 Sep 2020 20:00

Tgt Ion:	56	Resp:	8725
Ion	Ratio	Lower	Upper
56	100		
69	163.0	27.7	41.5#
84	125.0	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: 54.168 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

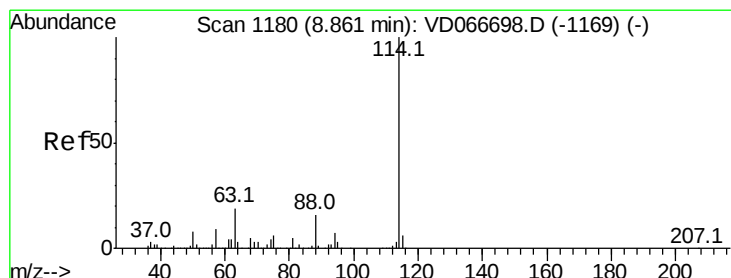
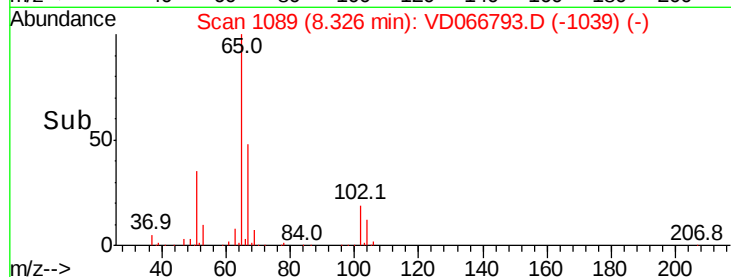
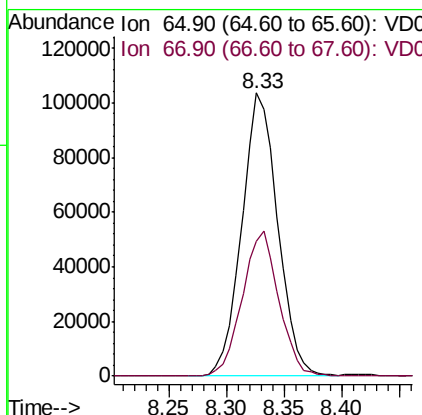
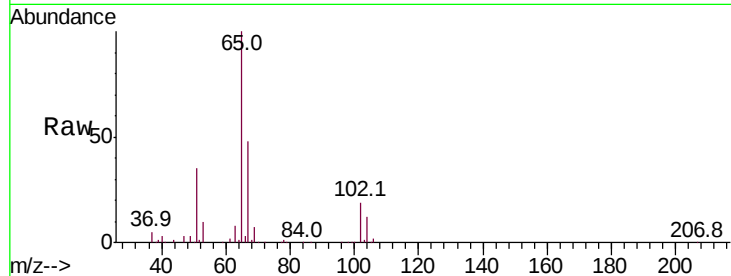
Lab File: VD066793.D

Acq: 21 Sep 2020 20:00

Instrument :
MSVOA_D
ClientSampleId :
PAV-B33-091720-0-1

Tot Ion: 65 Resp: 224543

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

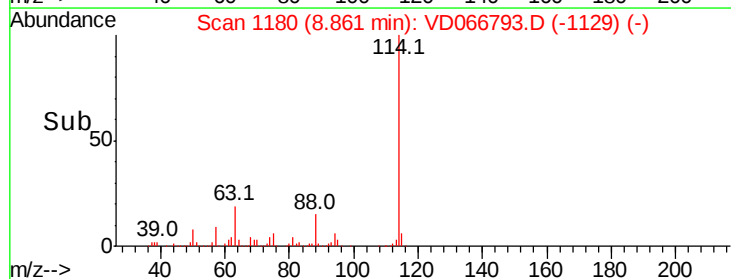
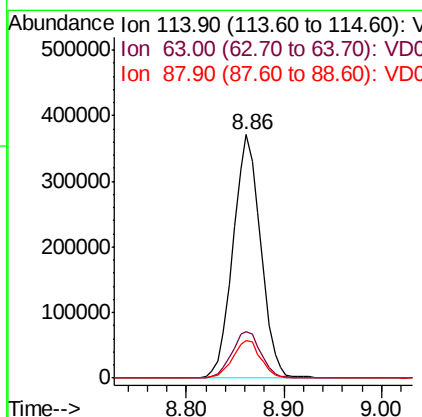
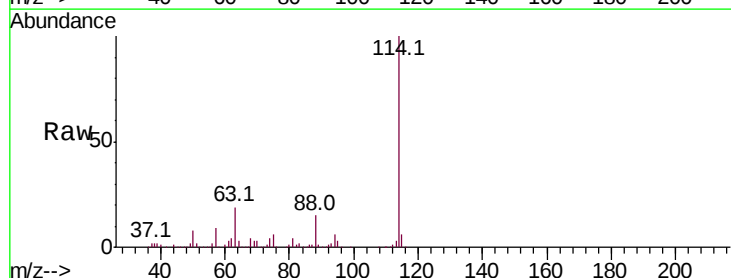
Delta R.T. -0.00 min

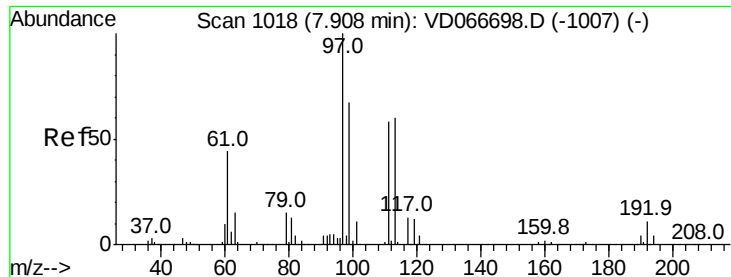
Lab File: VD066793.D

Acq: 21 Sep 2020 20:00

Tgt Ion: 114 Resp: 729367

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	37.6
88	15.5	0.0	32.2

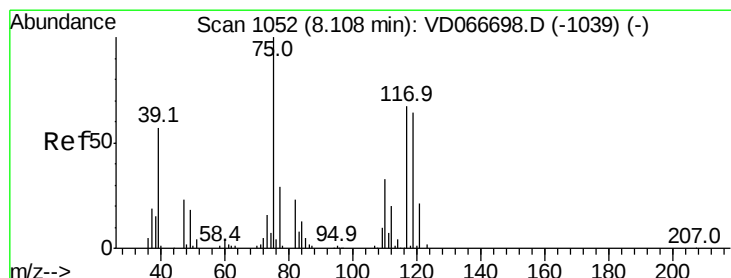
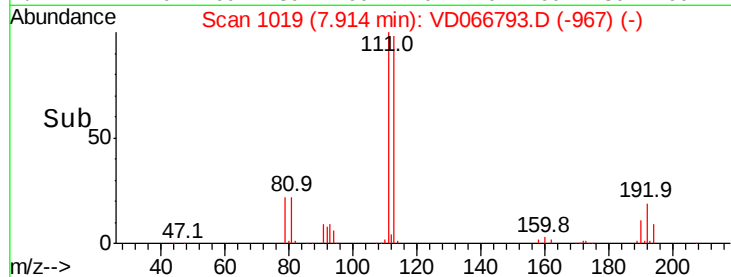
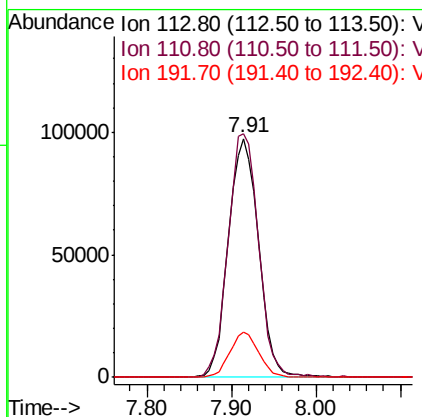
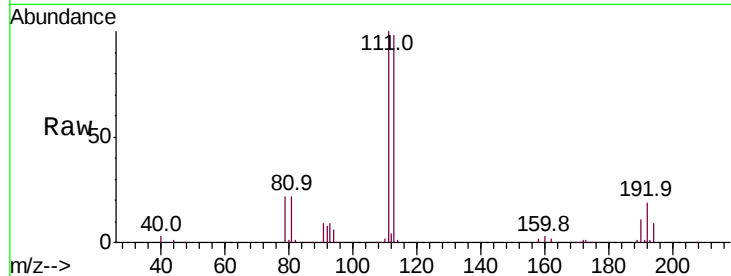




#35
 Dibromofluoromethane
 Concen: 53.625 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066793.D
 Acq: 21 Sep 2020 20:00

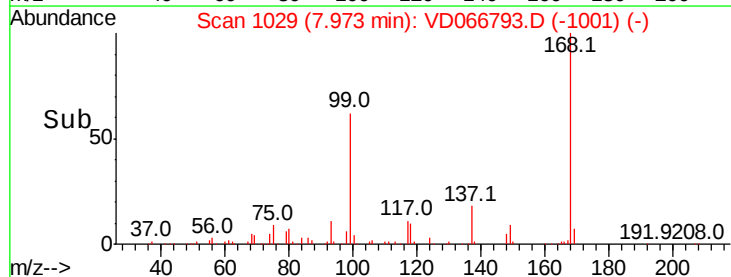
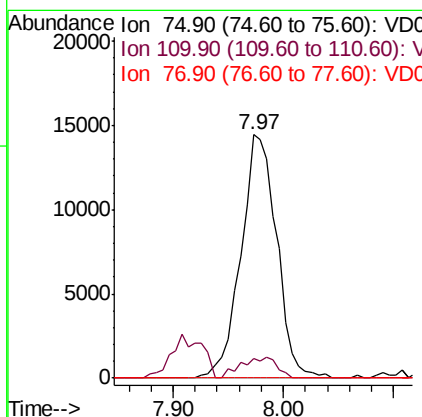
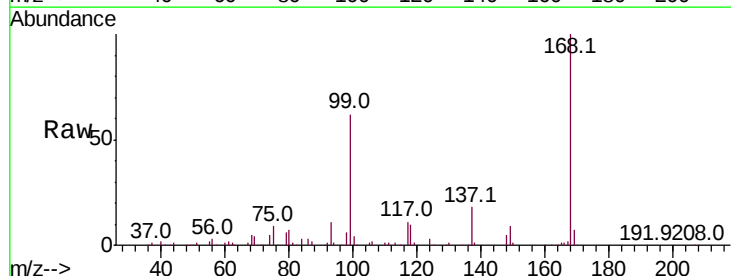
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B33-091720-0-1

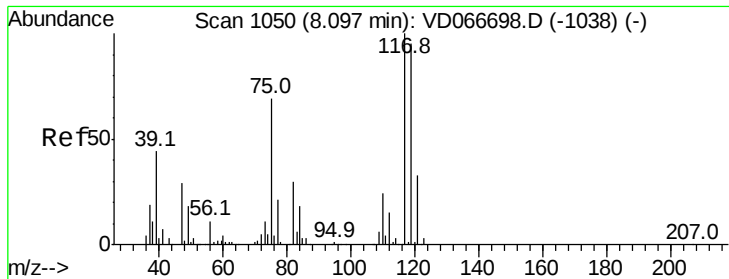
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.2	124.8
192	18.0	14.8	22.2



#36
 1,1-Dichloropropene
 Concen: 4.377 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066793.D
 Acq: 21 Sep 2020 20:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.1	51.2#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.385 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066793.D

Acq: 21 Sep 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

PAV-B33-091720-0-1

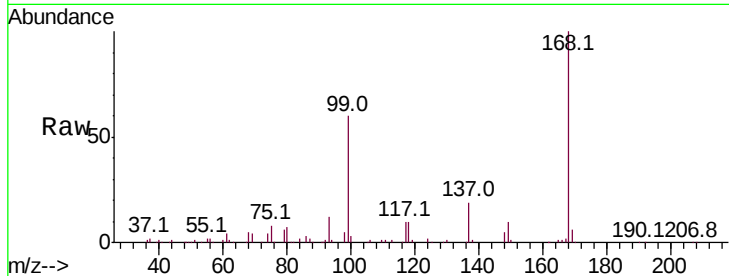
Tot Ion:117 Resp: 42883

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

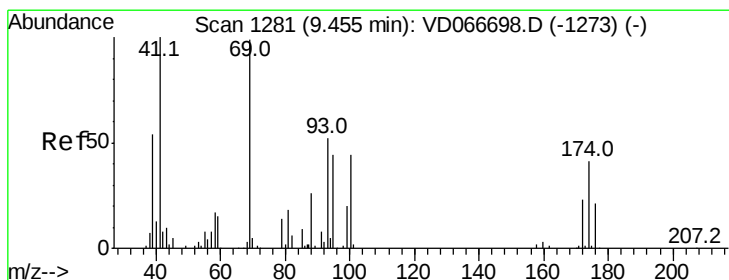
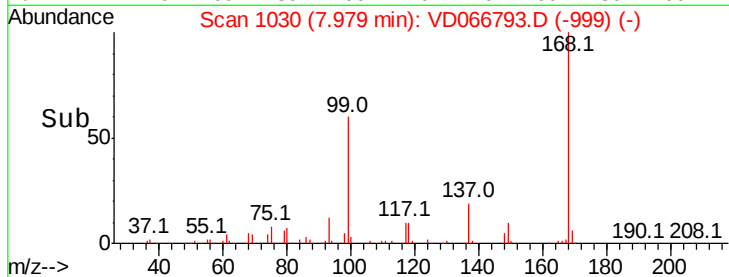
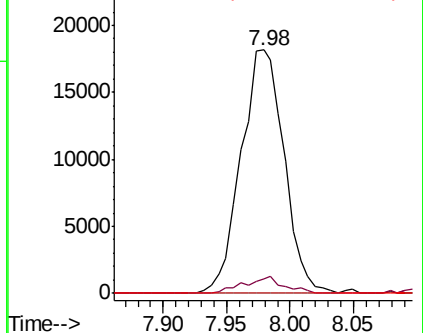
121 0.0 26.2 39.4#



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



#49

1,4-Dioxane

Concen: 1.897 ug/l

RT: 9.56 min Scan# 1299

Delta R.T. 0.11 min

Lab File: VD066793.D

Acq: 21 Sep 2020 20:00

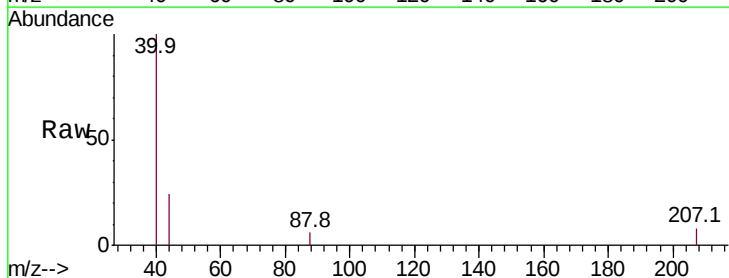
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 112.5 29.3 43.9#

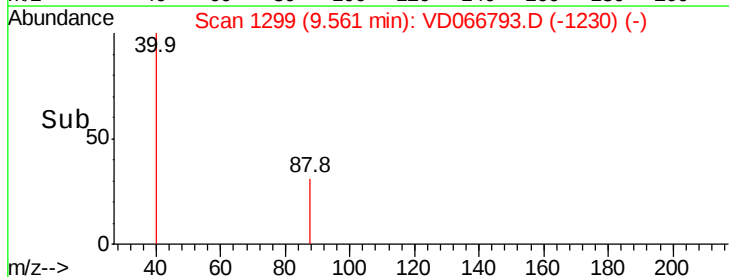
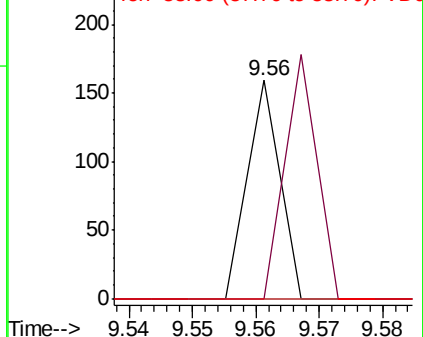
58 0.0 51.4 77.2#

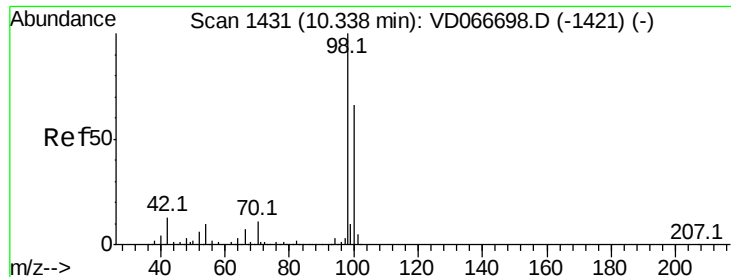


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

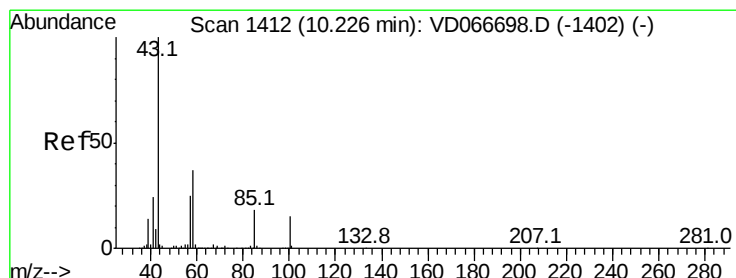
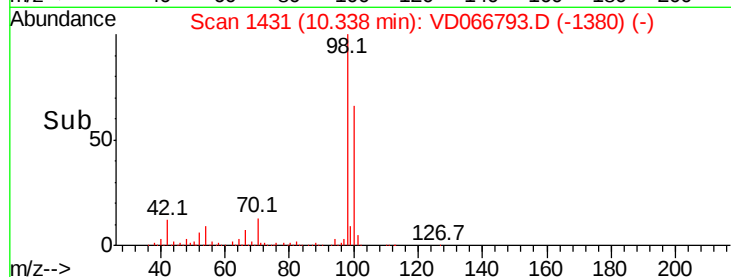
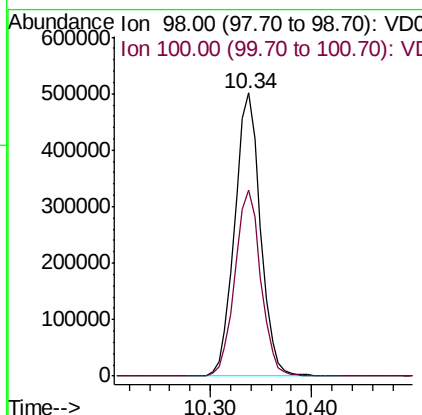
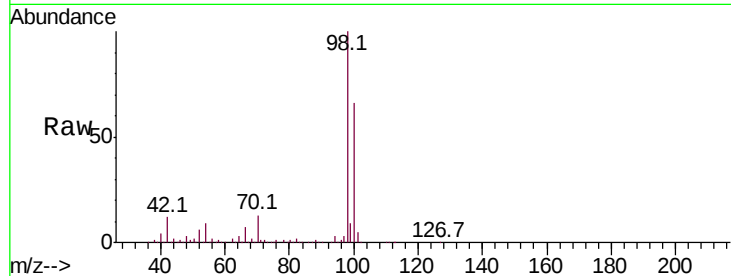




#50
Toluene-d8
Concen: 55.692 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066793.D
Acq: 21 Sep 2020 20:00

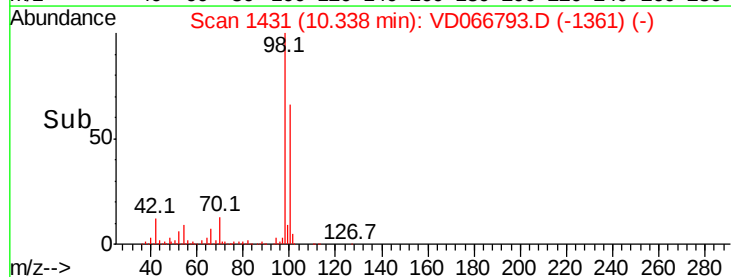
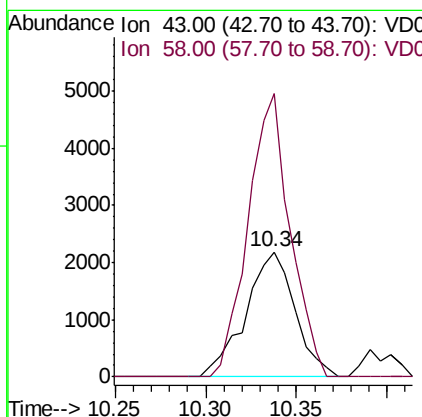
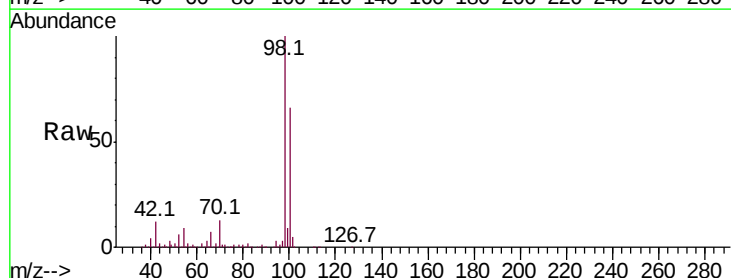
Instrument :
MSVOA_D
ClientSampleId :
PAV-B33-091720-0-1

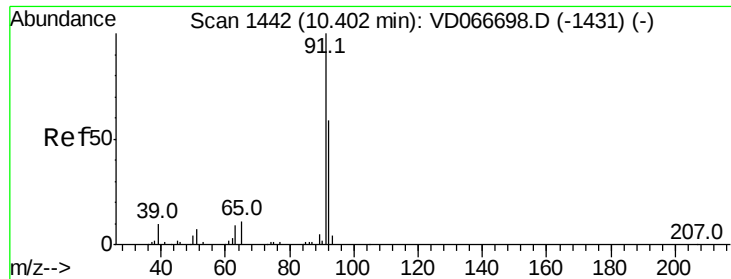
Tot Ion: 98 Resp: 887260
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.502 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066793.D
Acq: 21 Sep 2020 20:00

Tgt Ion: 43 Resp: 4132
Ion Ratio Lower Upper
43 100
58 194.0 30.4 45.6#





#52

Toluene

Concen: 2.738 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066793.D

Acq: 21 Sep 2020 20:00

Instrument :

MSVOA_D

ClientSampleId :

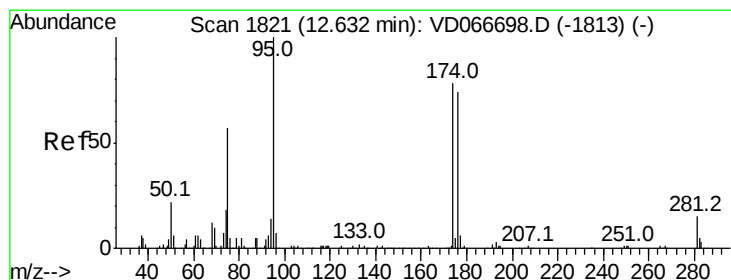
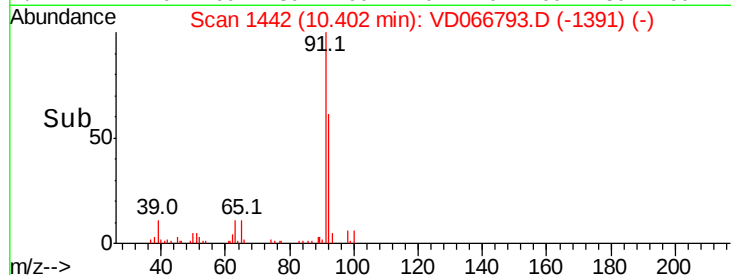
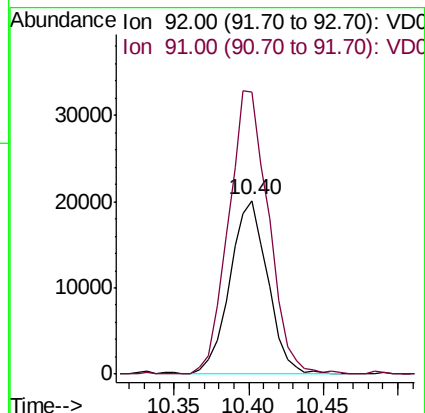
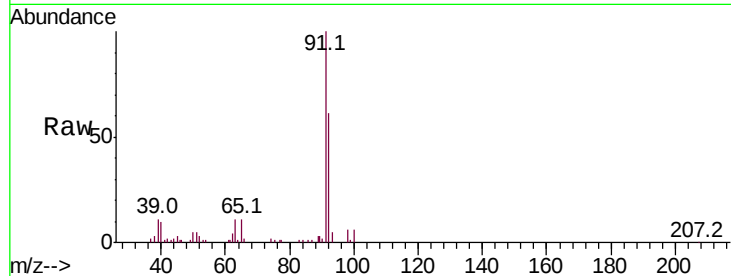
PAV-B33-091720-0-1

Tot Ion: 92 Resp: 35591

Ion Ratio Lower Upper

92 100

91 172.2 135.8 203.8



#62

4-Bromofluorobenzene

Concen: 54.094 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066793.D

Acq: 21 Sep 2020 20:00

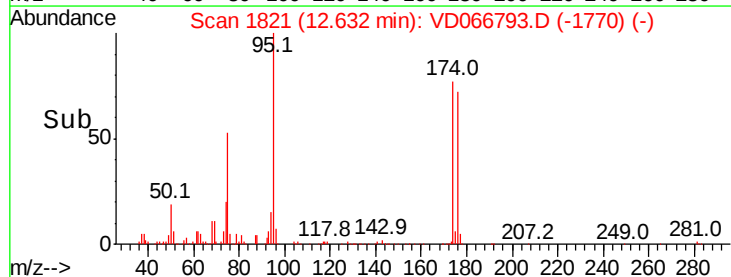
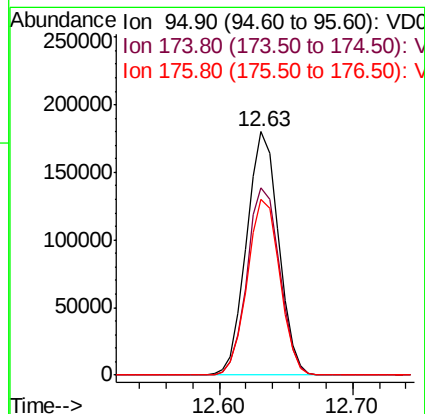
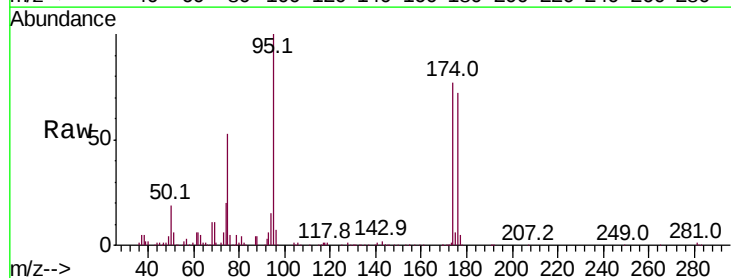
Tgt Ion: 95 Resp: 297482

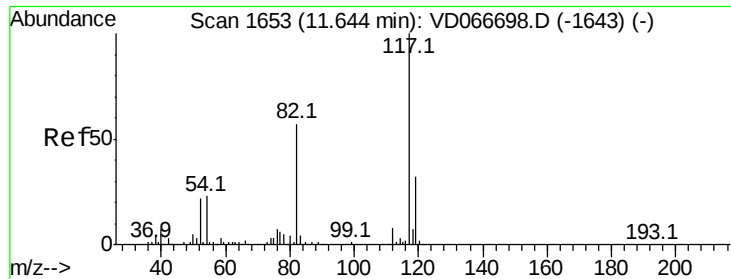
Ion Ratio Lower Upper

95 100

174 78.3 0.0 156.6

176 73.4 0.0 150.2

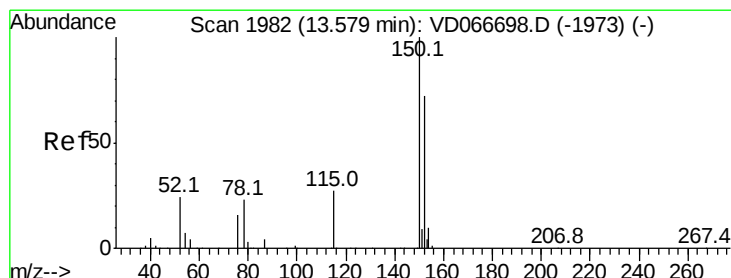
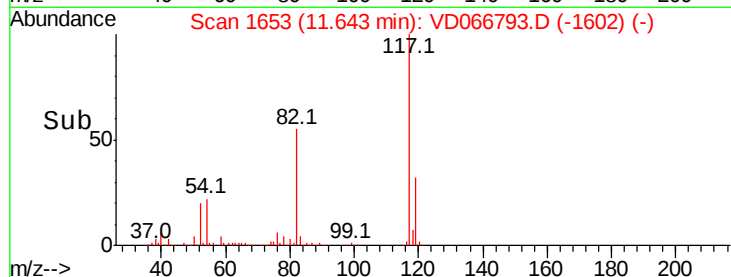
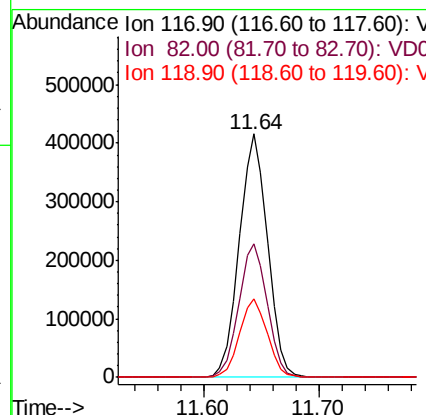
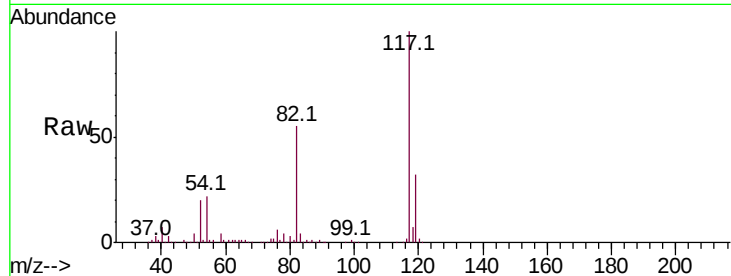




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066793.D
Acq: 21 Sep 2020 20:00

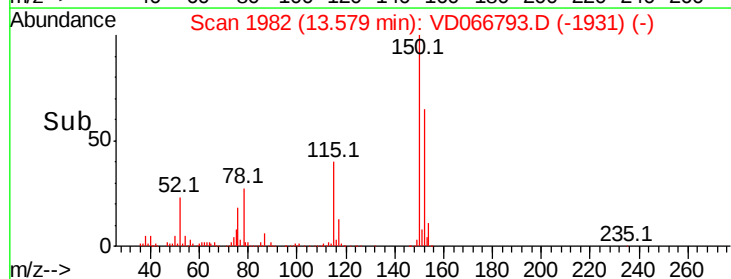
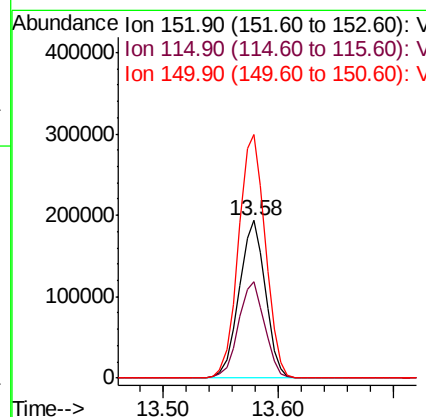
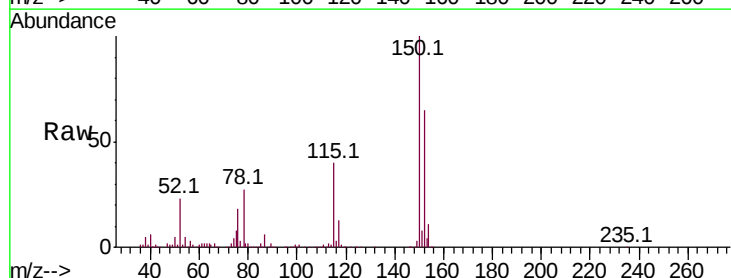
Instrument :
MSVOA_D
ClientSampleId :
PAV-B33-091720-0-1

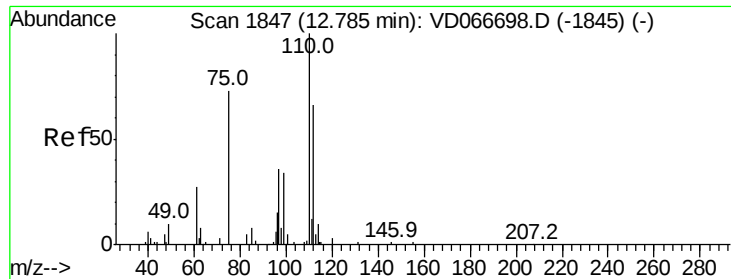
Tot Ion:117 Resp: 705946
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.0
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066793.D
Acq: 21 Sep 2020 20:00

Tgt Ion:152 Resp: 303241
Ion Ratio Lower Upper
152 100
115 61.1 30.5 91.5
150 158.5 0.0 344.6

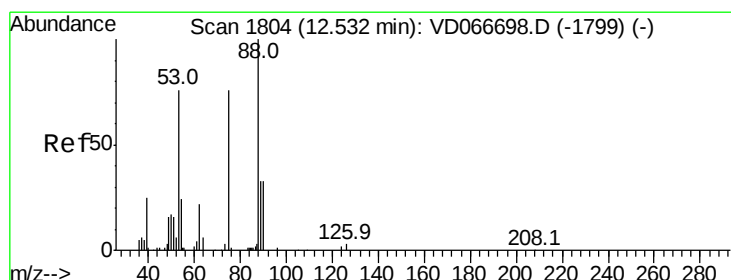
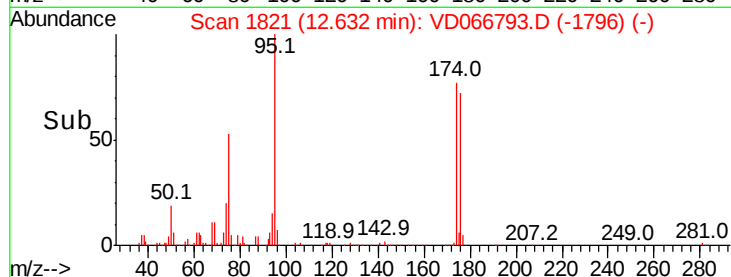
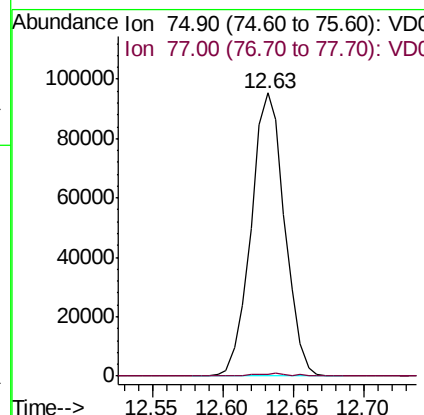
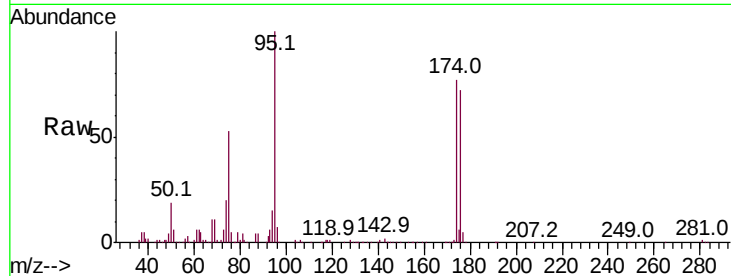




#76
 1,2,3-Trichloropropane
 Concen: 61.199 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066793.D
 Acq: 21 Sep 2020 20:00

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B33-091720-0-1

Tot Ion: 75 Resp: 158850
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.078 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066793.D
 Acq: 21 Sep 2020 20:00

Tgt Ion: 75 Resp: 158850
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.2 123.4#
 89 0.0 39.6 59.4#

