

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066727.D
 Acq On : 16 Sep 2020 18:43
 Operator : VA/SY
 Sample : L4013-01
 Misc : 4.52G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B40-091420-0-1

Quant Time: Sep 17 00:52:28 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	374602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	698160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	674426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291926	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	249522	62.43	ug/l	0.00
Spiked Amount			Recovery	=	124.86%	
35) Dibromofluoromethane	7.91	113	240579	56.20	ug/l	0.00
Spiked Amount			Recovery	=	112.40%	
50) Toluene-d8	10.34	98	859813	56.38	ug/l	0.00
Spiked Amount			Recovery	=	112.76%	
62) 4-Bromofluorobenzene	12.63	95	287395	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	

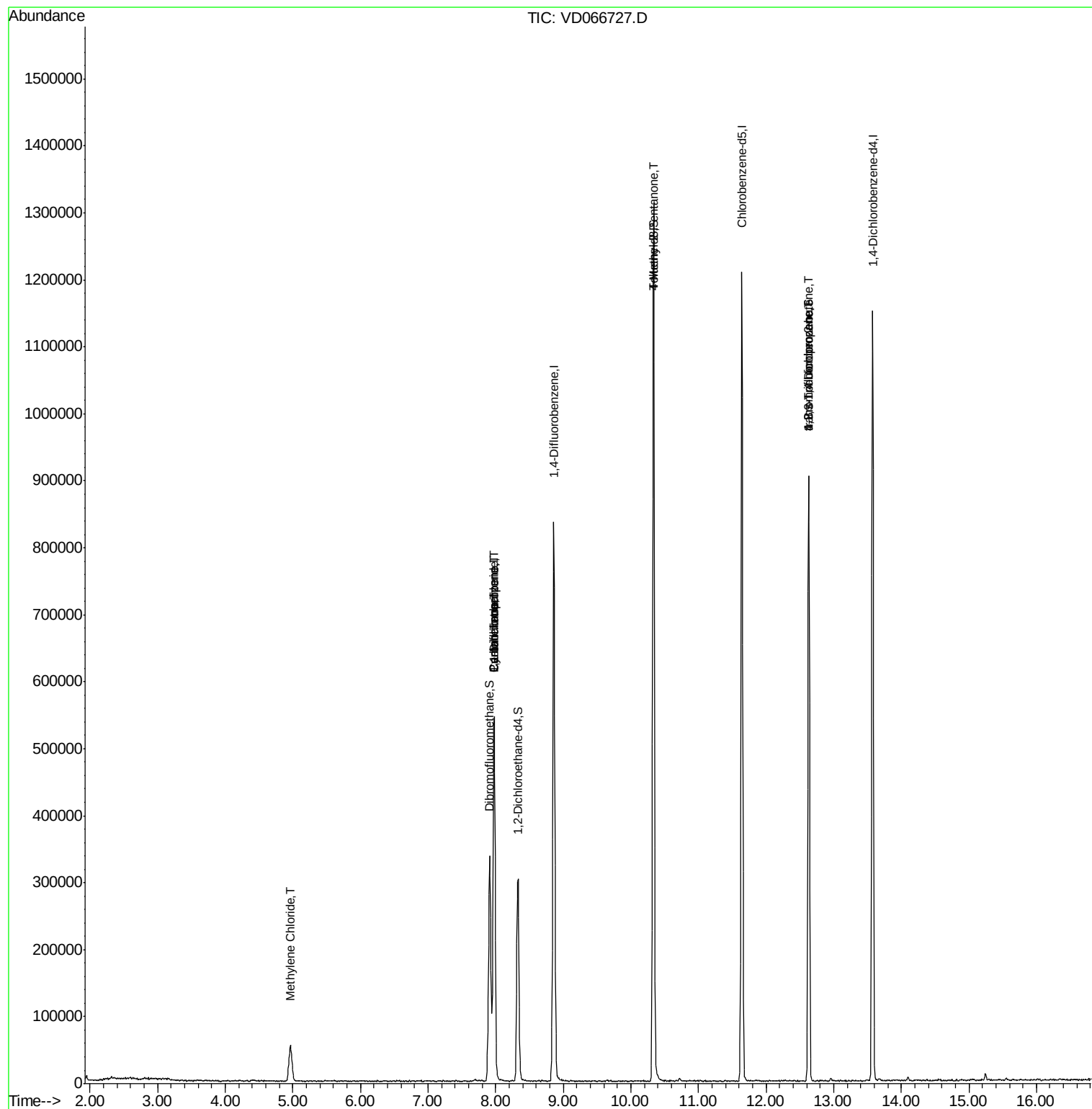
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	135	Below Cal	#	43
18) Methyl Acetate	4.75	43	56	Below Cal	#	1
20) Methylene Chloride	4.97	84	41019	2.361	ug/l	89
31) Cyclohexane	7.97	56	10184	1.442	ug/l #	29
36) 1,1-Dichloropropene	7.97	75	32640	4.547	ug/l #	52
38) Carbon Tetrachloride	7.98	117	43138	5.659	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	4375	1.661	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	162811	65.156	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	162811	140.619	ug/l #	8

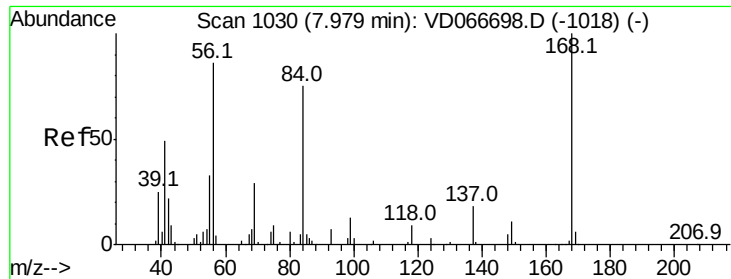
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066727.D

Acq: 16 Sep 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

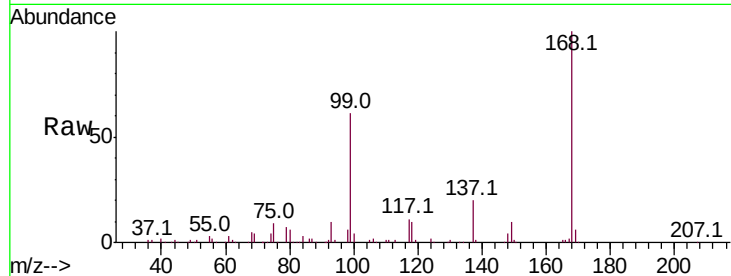
PAV-B40-091420-0-1

Tot Ion:168 Resp: 374602

Ion Ratio Lower Upper

168 100

99 60.5 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

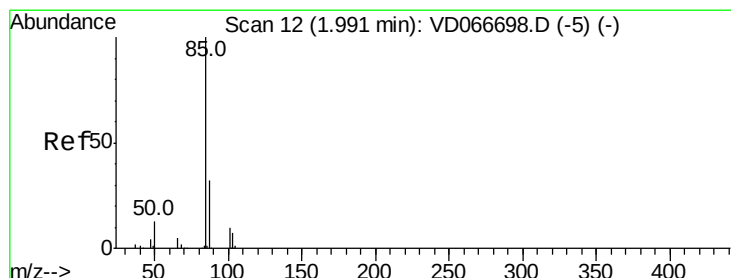
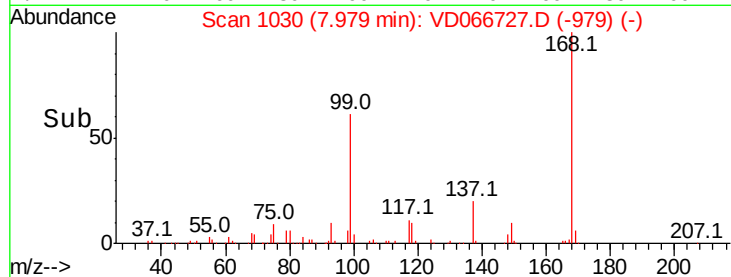
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066727.D

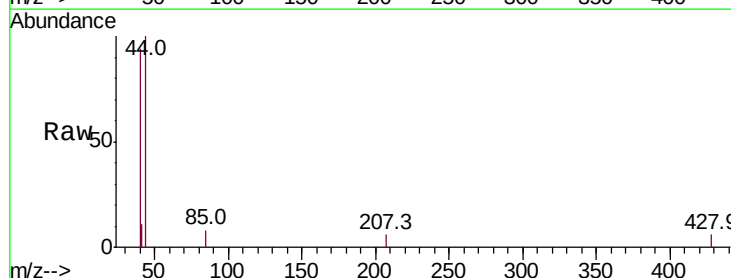
Acq: 16 Sep 2020 18:43

Tgt Ion: 85 Resp: 135

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

1.99

250

200

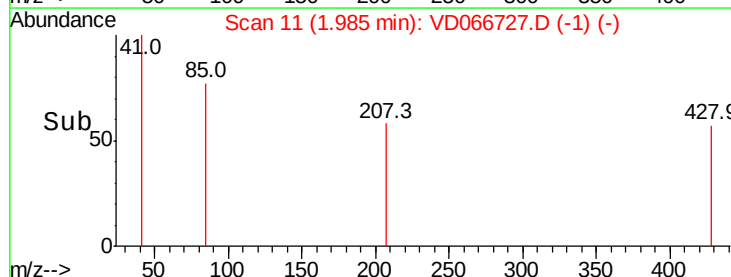
150

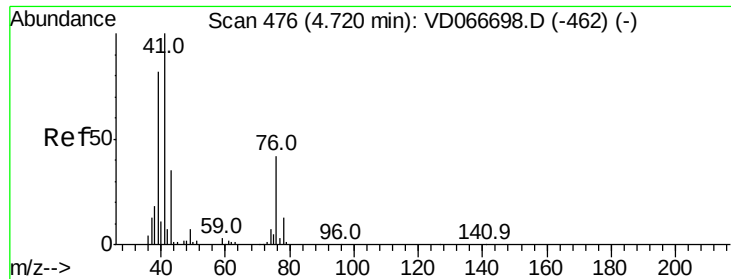
100

50

0

Time-->

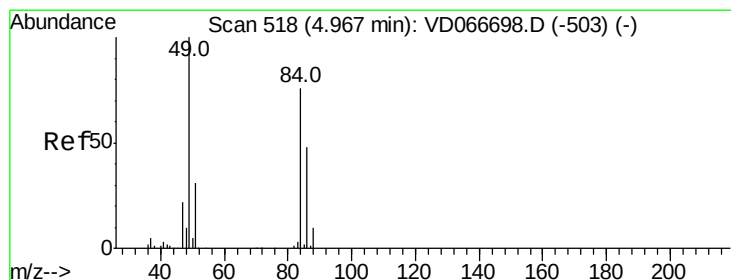
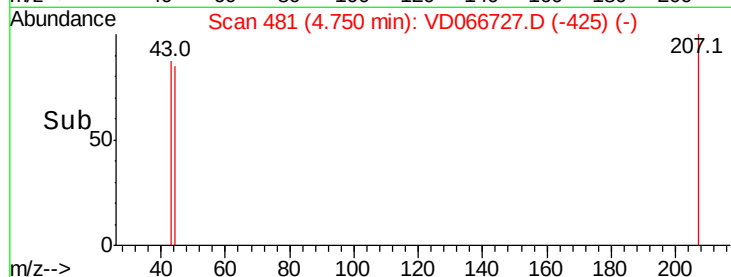
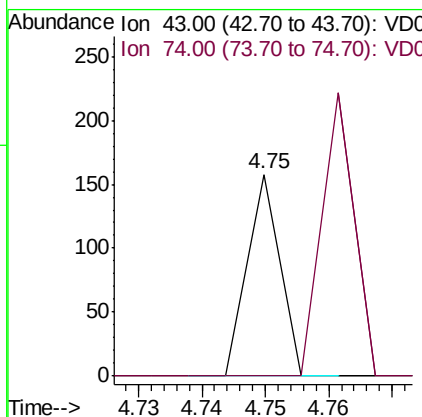
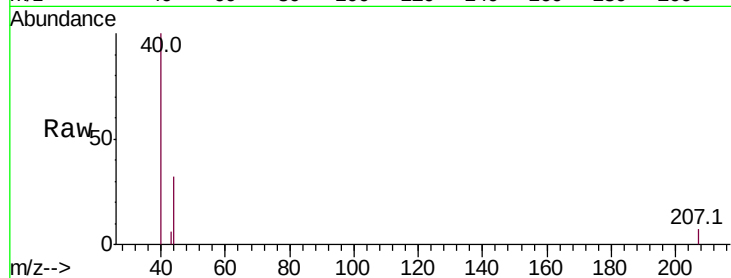




#18
Methvl Acetate
Concen: Below Cal
RT: 4.75 min Scan# 481
Delta R.T. 0.03 min
Lab File: VD066727.D
Acq: 16 Sep 2020 18:43

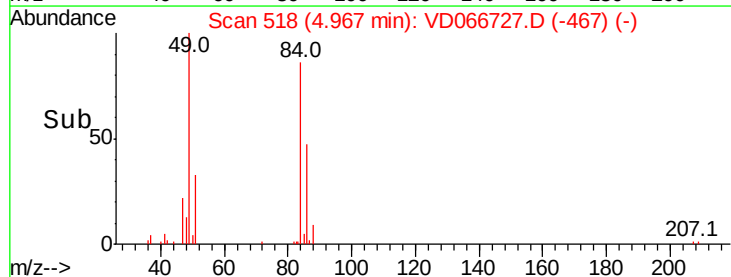
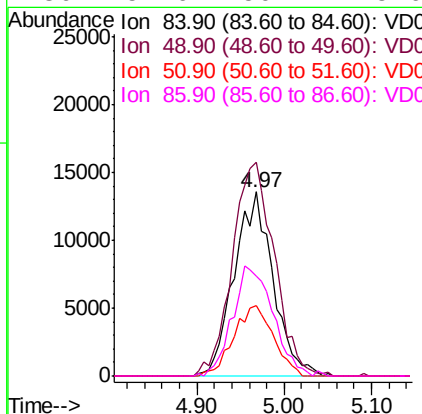
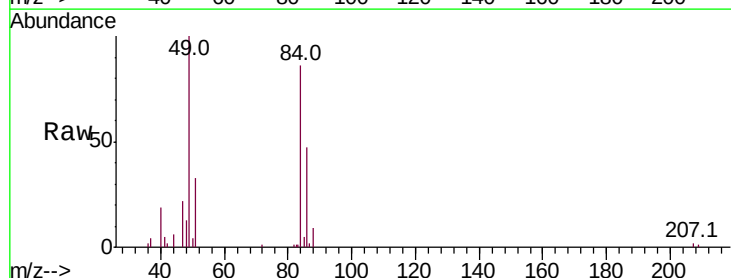
Instrument :
MSVOA_D
ClientSampleId :
PAV-B40-091420-0-1

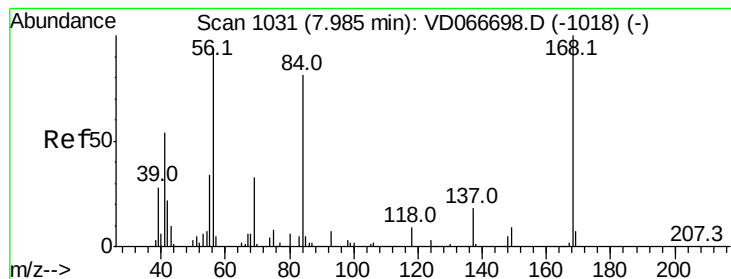
Tot Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 139.3 18.6 28.0#



#20
Methylene Chloride
Concen: 2.361 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066727.D
Acq: 16 Sep 2020 18:43

Tgt Ion: 84 Resp: 41019
Ion Ratio Lower Upper
84 100
49 116.1 105.0 157.6
51 38.3 32.2 48.4
86 54.6 50.4 75.6





#31

Cyclohexane

Concen: 1.442 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066727.D

Acq: 16 Sep 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

PAV-B40-091420-0-1

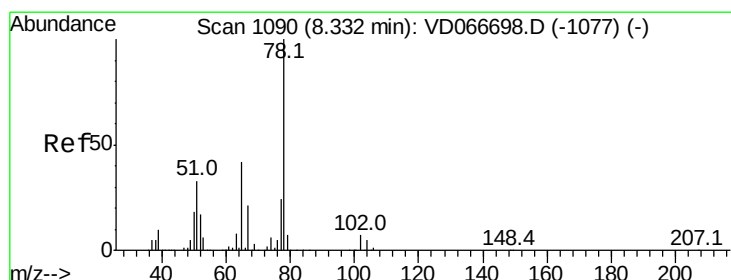
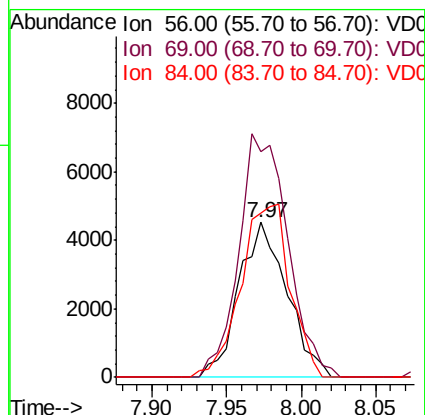
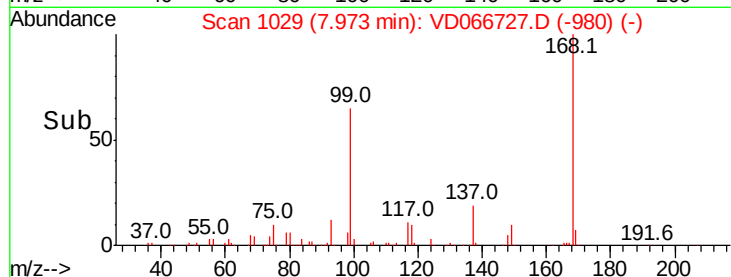
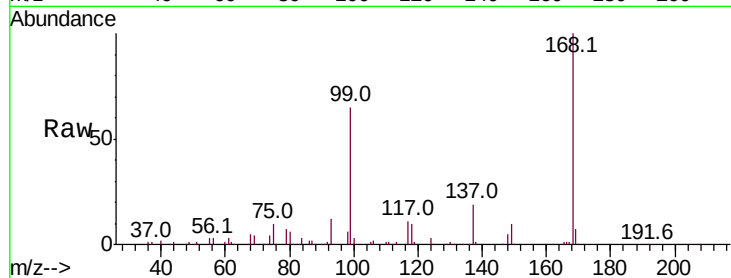
Tot Ion: 56 Resp: 10184

Ion Ratio Lower Upper

56 100

69 145.9 27.7 41.5#

84 105.9 68.5 102.7#



#33

1,2-Dichloroethane-d4

Concen: 62.431 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066727.D

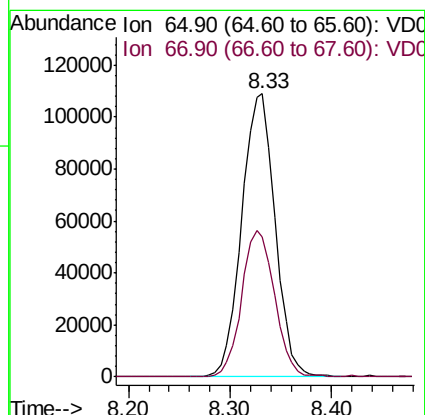
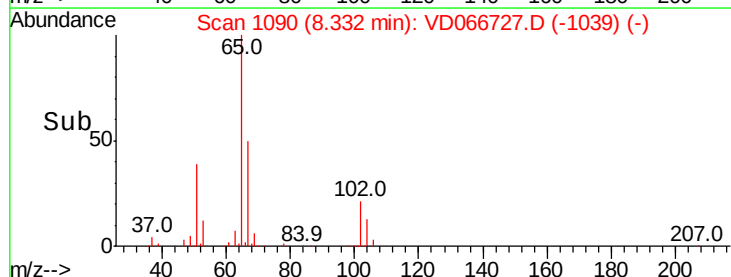
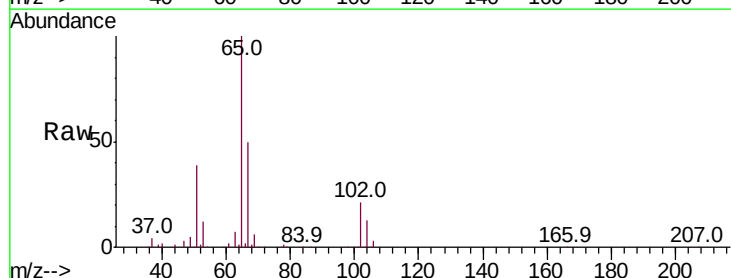
Acq: 16 Sep 2020 18:43

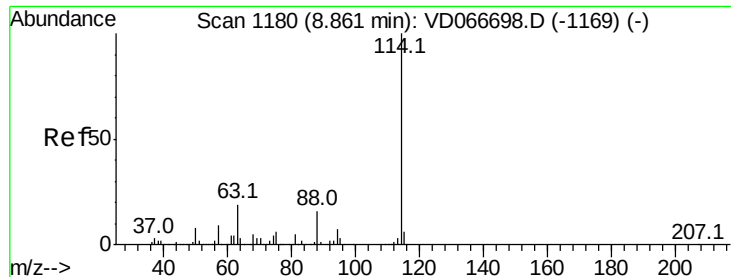
Tgt Ion: 65 Resp: 249522

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.2

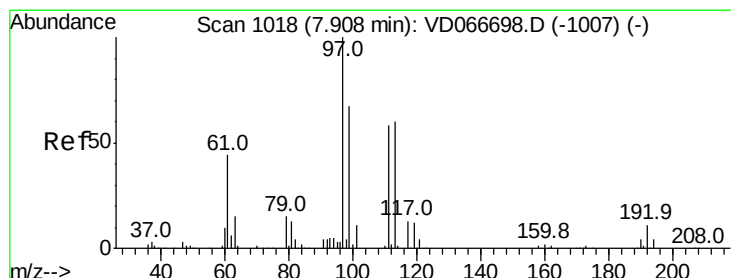
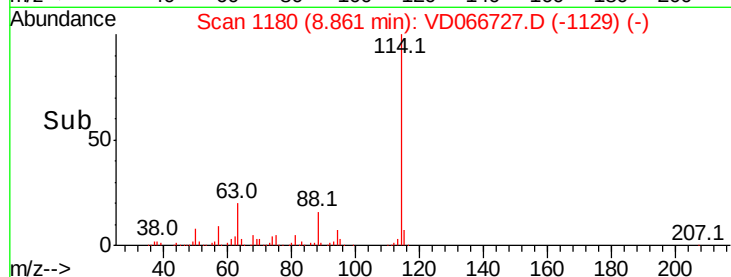
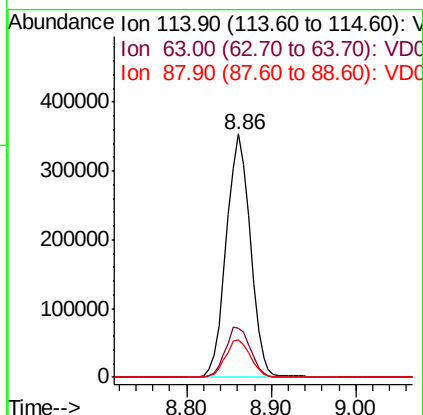
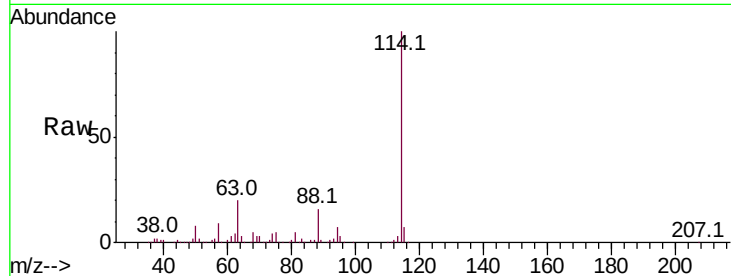




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066727.D
 Acq: 16 Sep 2020 18:43

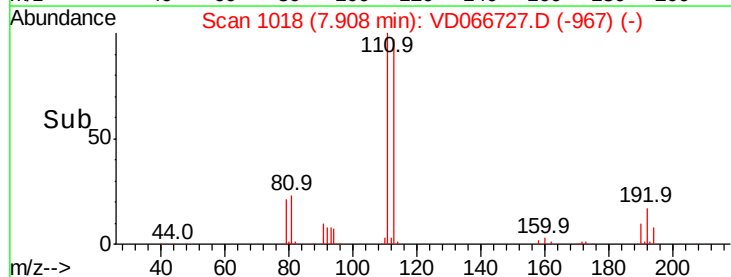
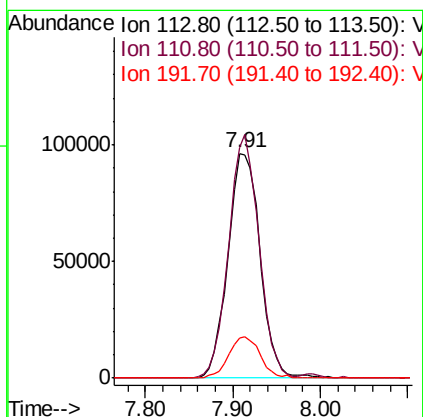
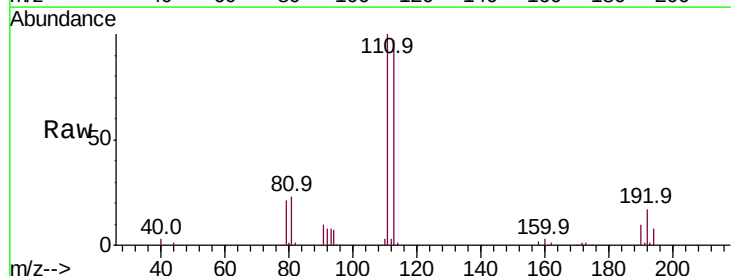
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B40-091420-0-1

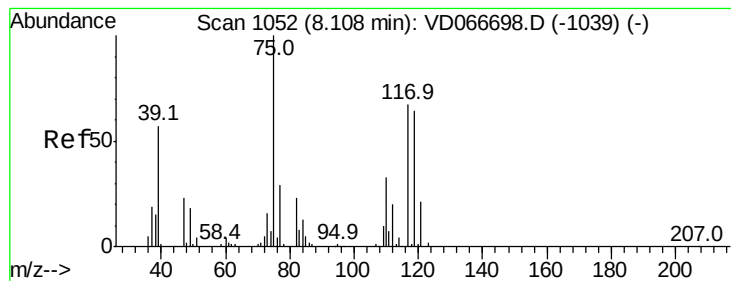
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	37.6
88	15.6	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 56.205 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066727.D
 Acq: 16 Sep 2020 18:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.2	124.8
192	18.0	14.8	22.2





#36

1,1-Dichloropropene

Concen: 4.547 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066727.D

Acq: 16 Sep 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

PAV-B40-091420-0-1

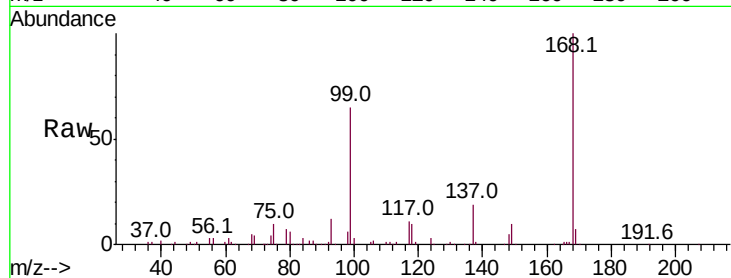
Tot Ion: 75 Resp: 32640

Ion Ratio Lower Upper

75 100

110 11.0 17.1 51.2#

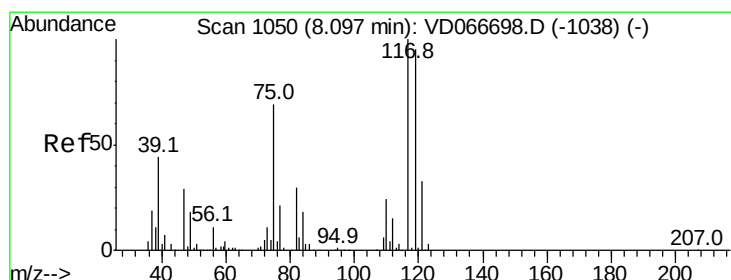
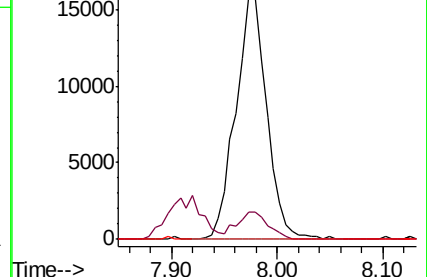
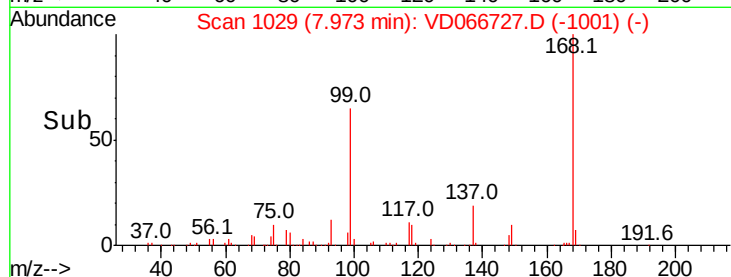
77 0.0 25.0 37.6#



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: 5.659 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066727.D

Acq: 16 Sep 2020 18:43

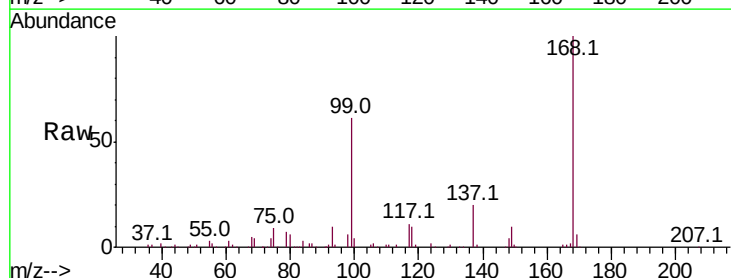
Tgt Ion: 117 Resp: 43138

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

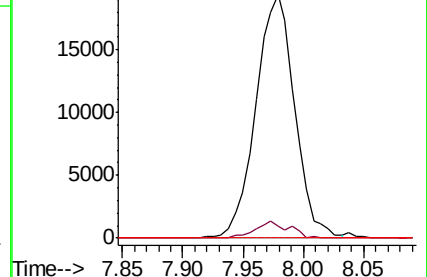
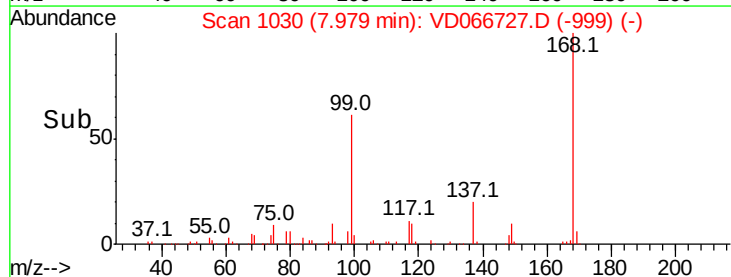
121 0.0 26.2 39.4#

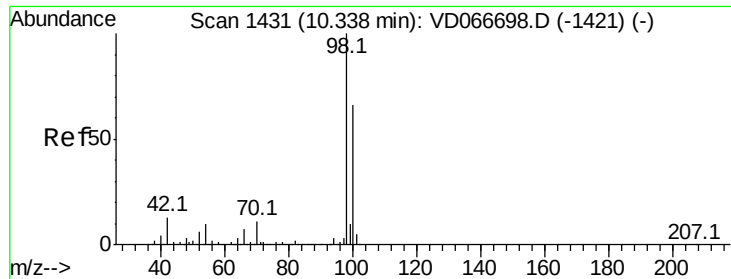


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

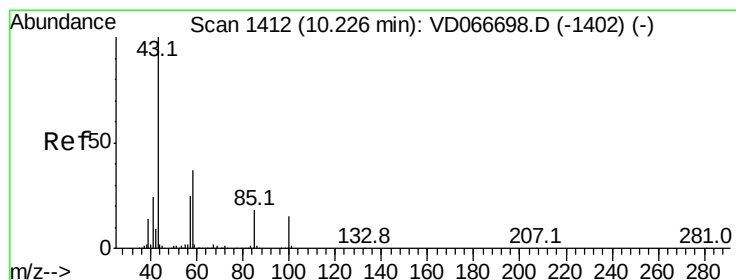
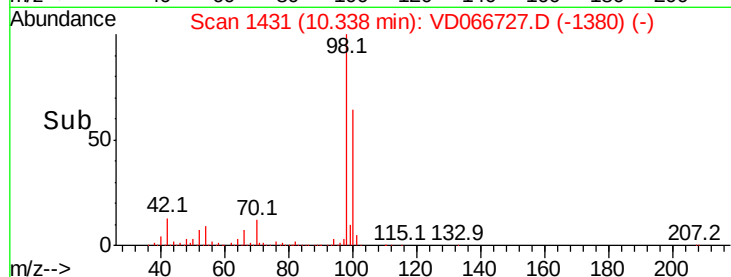
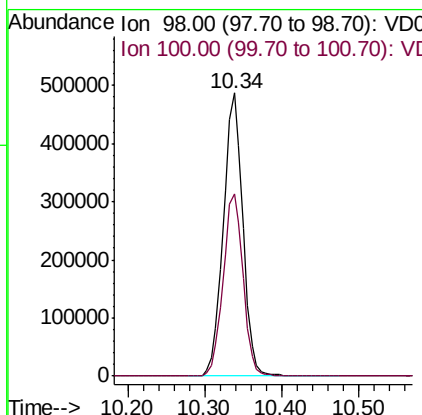
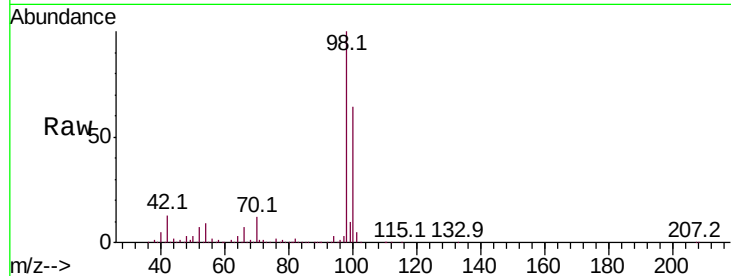




#50
Toluene-d8
Concen: 56.381 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066727.D
Acq: 16 Sep 2020 18:43

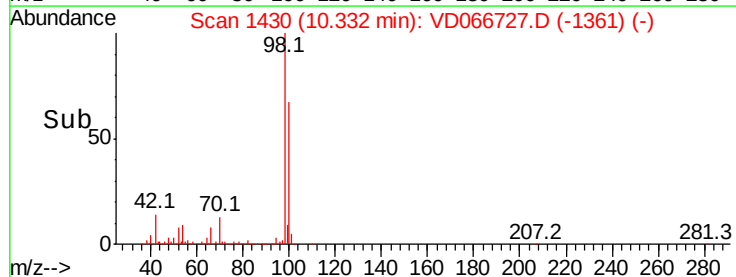
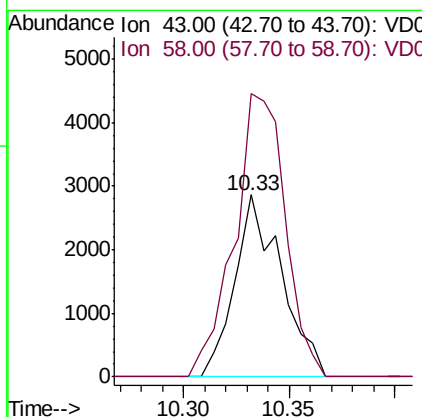
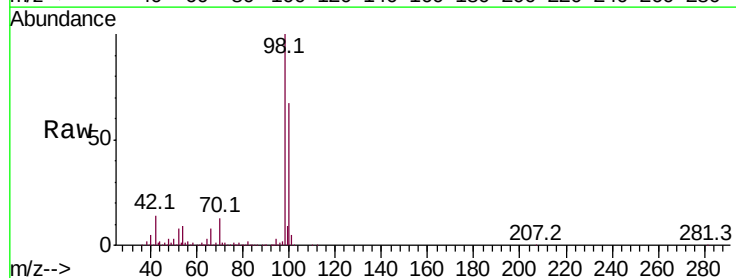
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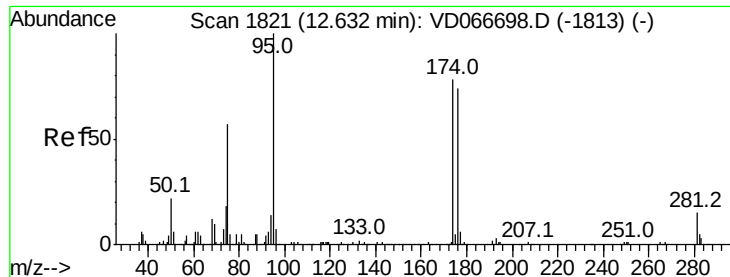
Tot Ion: 98 Resp: 859813
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.661 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066727.D
Acq: 16 Sep 2020 18:43

Tgt Ion: 43 Resp: 4375
Ion Ratio Lower Upper
43 100
58 170.0 30.4 45.6#

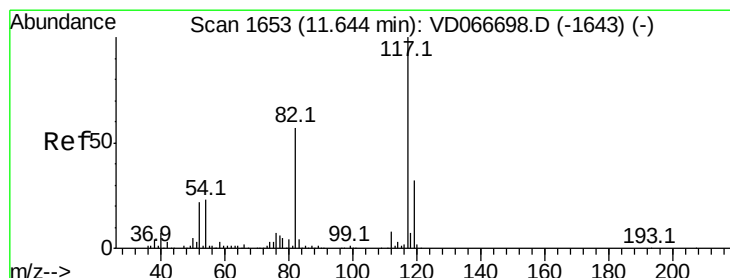
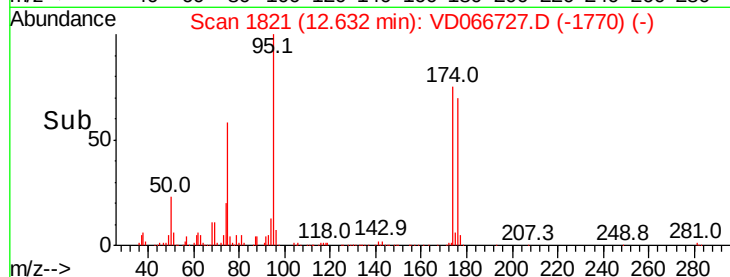
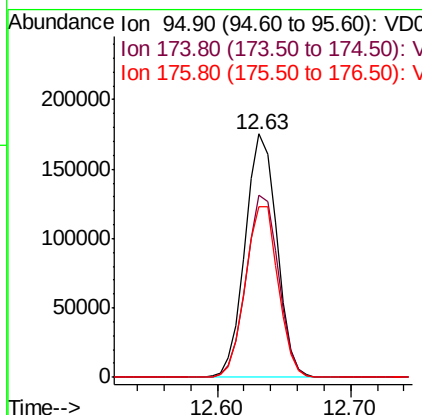
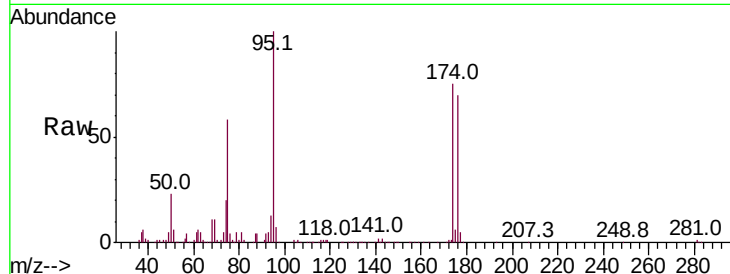




#62
4-Bromofluorobenzene
Concen: 54.595 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066727.D
Acq: 16 Sep 2020 18:43

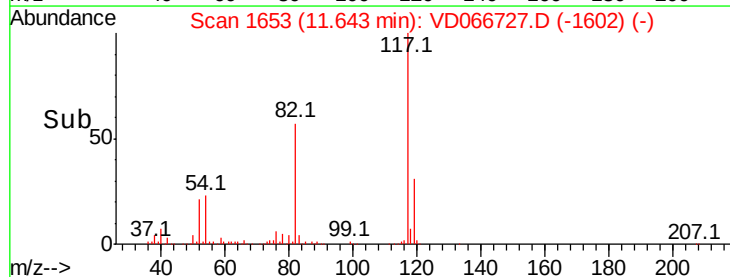
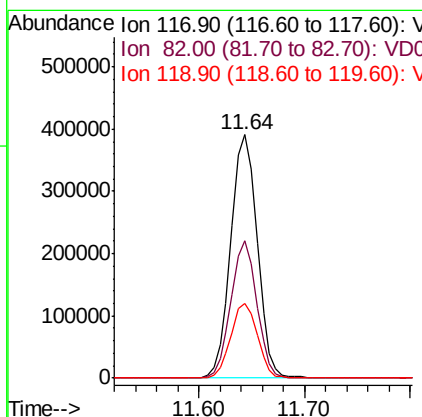
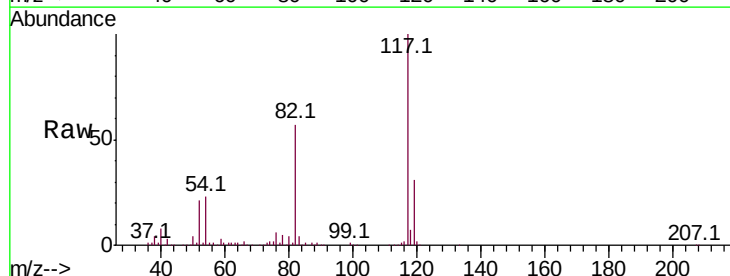
Instrument :
MSVOA_D
ClientSampleId :
PAV-B40-091420-0-1

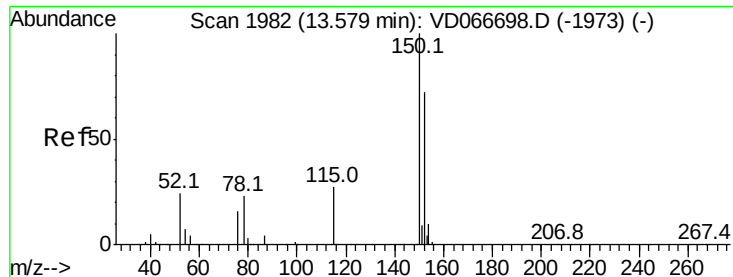
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	156.6
176	72.5	0.0	150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066727.D
Acq: 16 Sep 2020 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.4	68.0
119	30.8	25.8	38.6

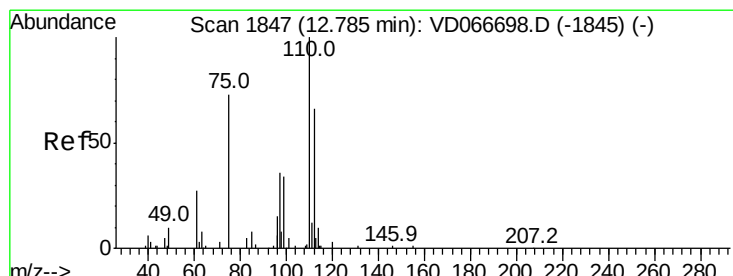
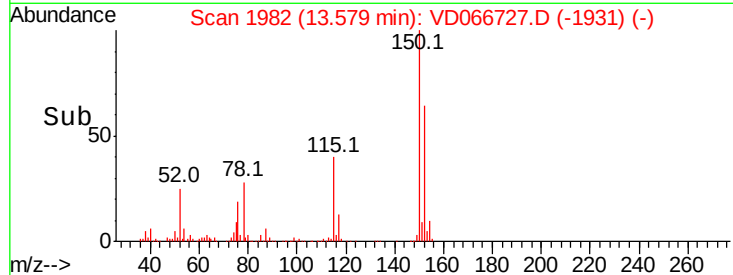
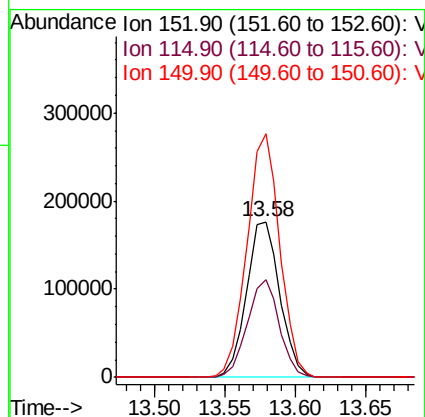
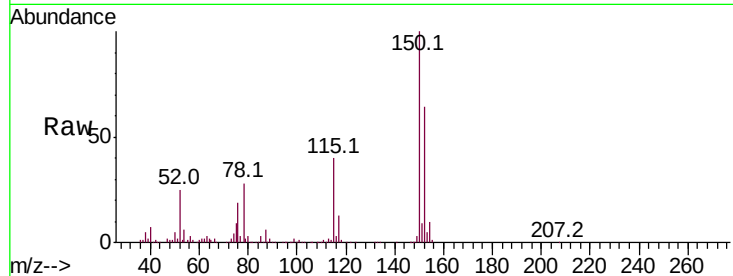




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VD066727.D
 Acq: 16 Sep 2020 18:43

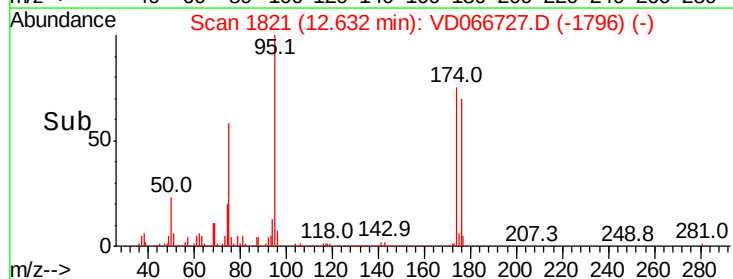
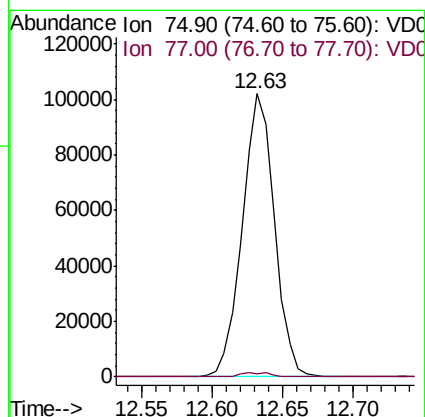
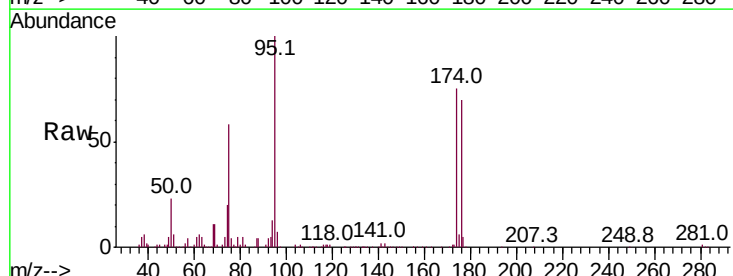
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B40-091420-0-1

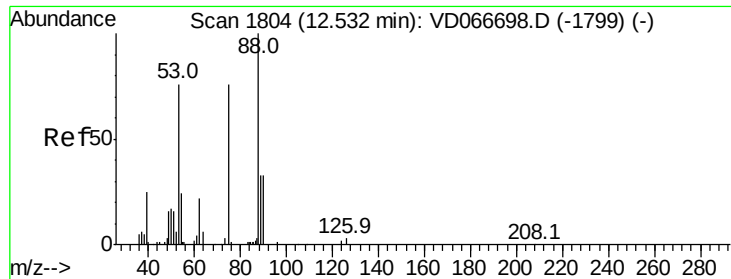
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.5	91.5
150	154.7	0.0	344.6



#76
 1,2,3-Trichloropropane
 Concen: 65.156 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066727.D
 Acq: 16 Sep 2020 18:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 140.619 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066727.D

Acq: 16 Sep 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

PAV-B40-091420-0-1

Tot Ion: 75 Resp: 162811

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#

