

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD113020\
 Data File : VD067823.D
 Acq On : 30 Nov 2020 19:16
 Operator : VA/SY
 Sample : L4900-07
 Misc : 6.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B2-112520-12-12.75

Quant Time: Dec 01 00:18:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	180908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	281137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	258480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	119563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	107562	61.15	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.30%
35) Dibromofluoromethane	7.91	113	91850	51.34	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.68%
50) Toluene-d8	10.34	98	304988	46.63	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.26%
62) 4-Bromofluorobenzene	12.64	95	105771	47.31	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.62%

Target Compounds

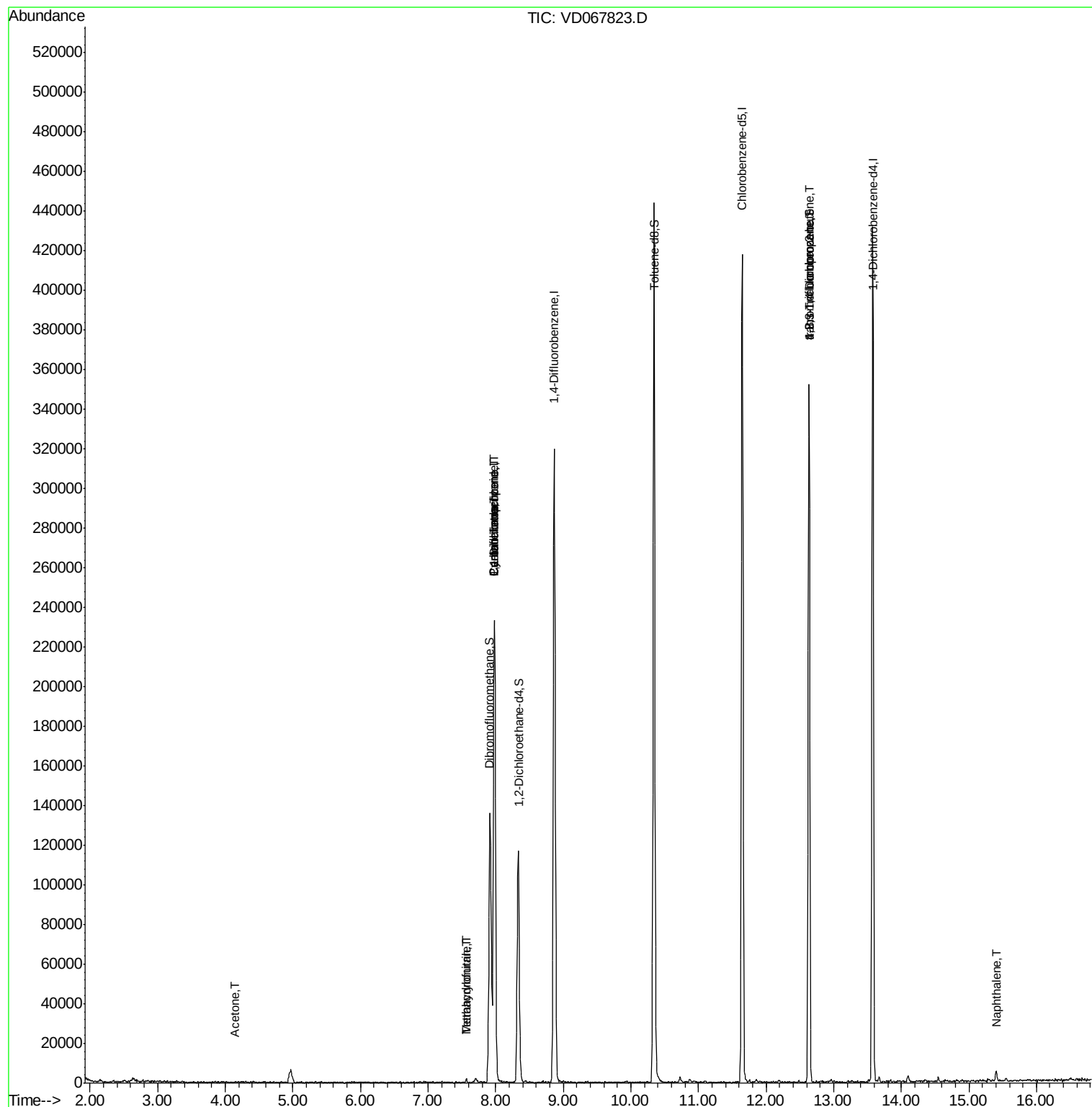
					Qvalue	
16) Acetone	4.15	43	564	2.482	ug/l #	40
20) Methylene Chloride	4.97	84	5172	Below Cal	#	88
29) Tetrahydrofuran	7.57	42	588	4.056	ug/l #	48
31) Cyclohexane	7.98	56	3656	1.718	ug/l #	65
36) 1,1-Dichloropropene	7.98	75	12378	5.131	ug/l #	50
38) Carbon Tetrachloride	7.98	117	18996	5.432	ug/l #	16
41) Methacrylonitrile	7.57	41	372	1.123	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	56986	68.386	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	56986	159.950	ug/l #	11
95) Naphthalene	15.40	128	5509	1.464	ug/l #	92

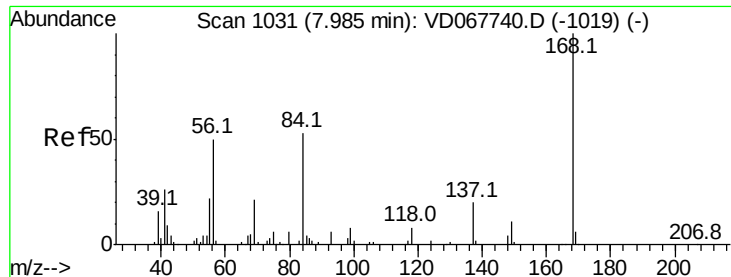
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD113020\
Data File : VD067823.D
Acq On : 30 Nov 2020 19:16
Operator : VA/SY
Sample : L4900-07
Misc : 6.12G/5.00ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PAV-B2-112520-12-12.75

Quant Time: Dec 01 00:18:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067823.D

Acq: 30 Nov 2020 19:16

Instrument :

MSVOA_D

ClientSampleId :

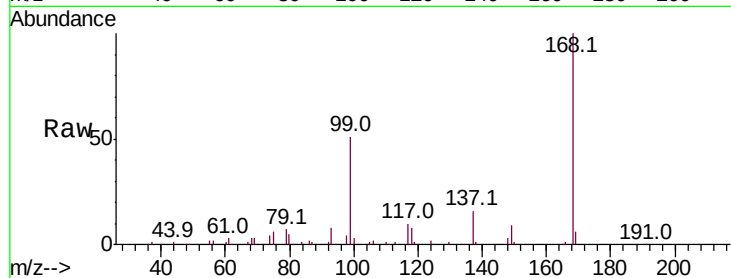
PAV-B2-112520-12-12.75

Tot Ion:168 Resp: 180908

Ion Ratio Lower Upper

168 100

99 50.8 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

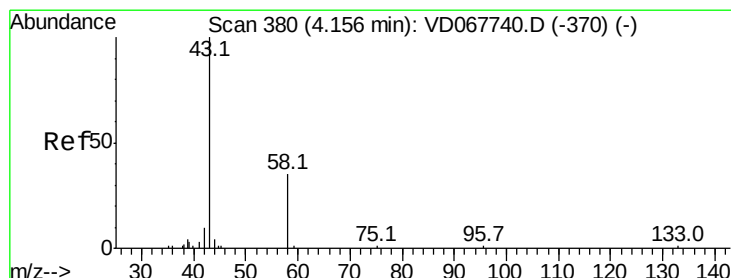
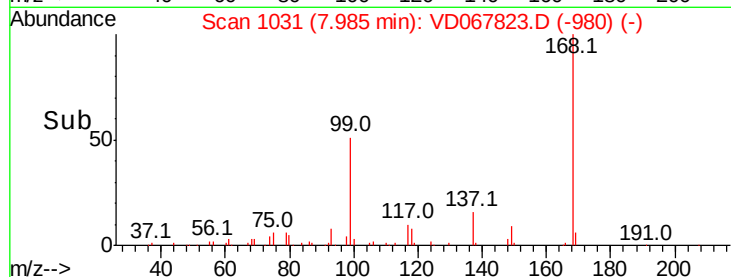
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 2.482 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067823.D

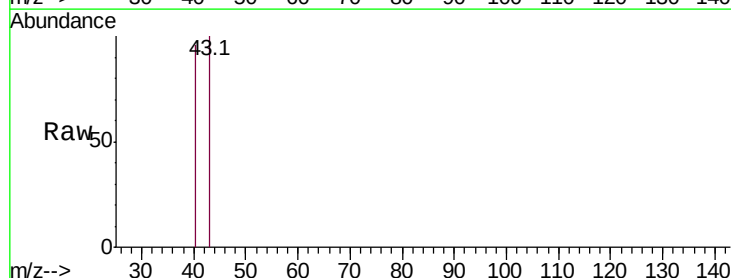
Acq: 30 Nov 2020 19:16

Tgt Ion: 43 Resp: 564

Ion Ratio Lower Upper

43 100

58 0.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

500

400

300

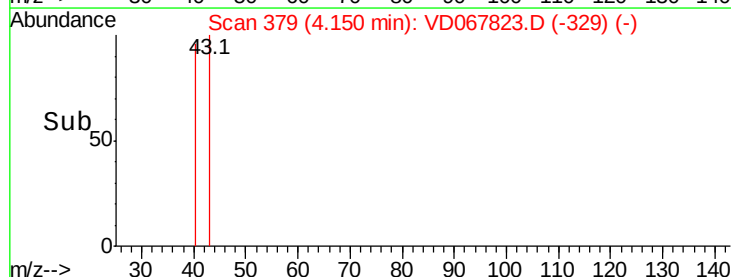
200

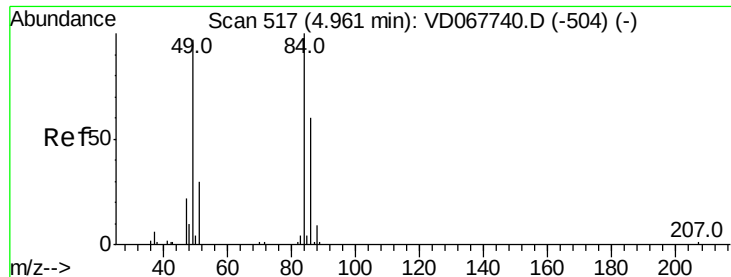
100

0

4.12 4.14 4.16 4.18

Time-->

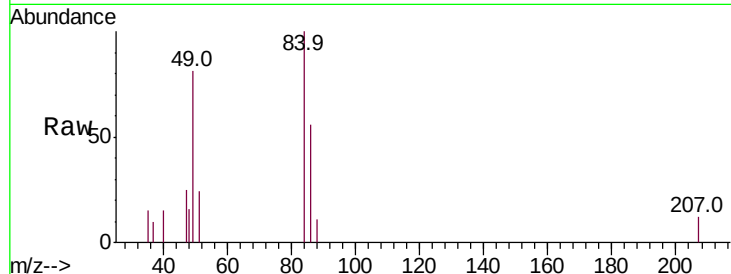




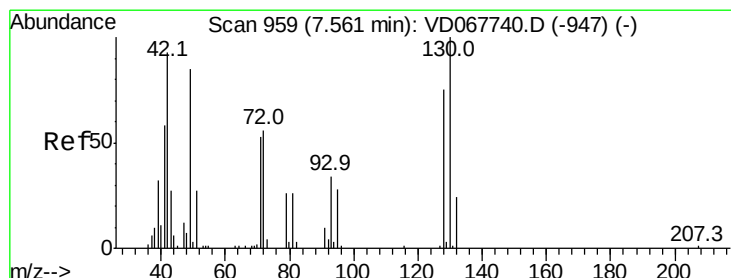
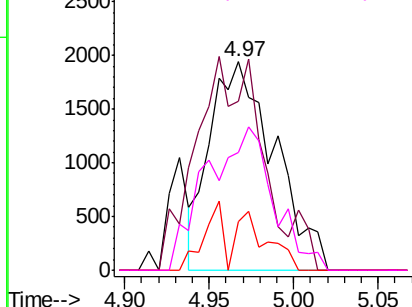
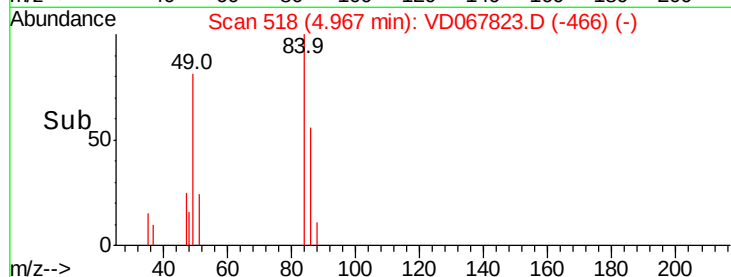
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067823.D
Acq: 30 Nov 2020 19:16

Instrument :
MSVOA_D
ClientSampleId :
PAV-B2-112520-12-12.75

Tot Ion: 84 Resp: 5172
Ion Ratio Lower Upper
84 100
49 81.0 77.4 116.2
51 23.5 24.1 36.1#
86 56.5 48.2 72.2

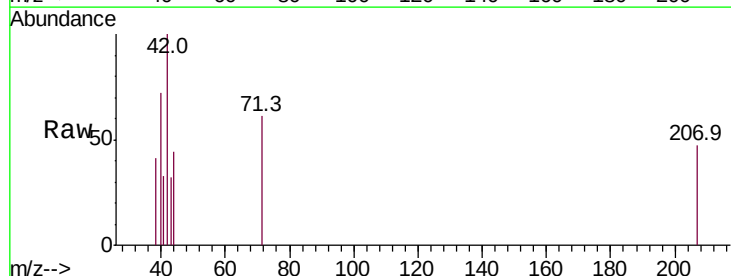


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

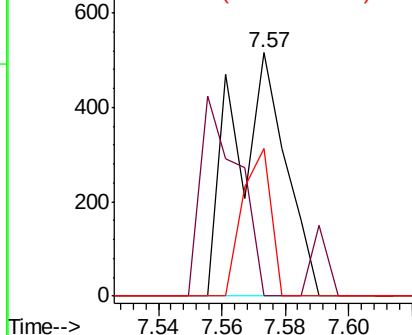
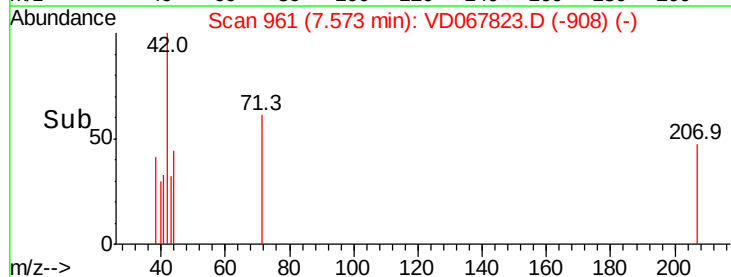


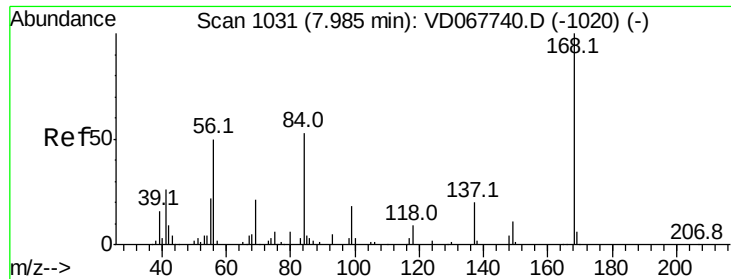
#29
Tetrahydrofuran
Concen: 4.056 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067823.D
Acq: 30 Nov 2020 19:16

Tgt Ion: 42 Resp: 588
Ion Ratio Lower Upper
42 100
72 9.0 49.3 73.9#
71 32.7 45.9 68.9#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

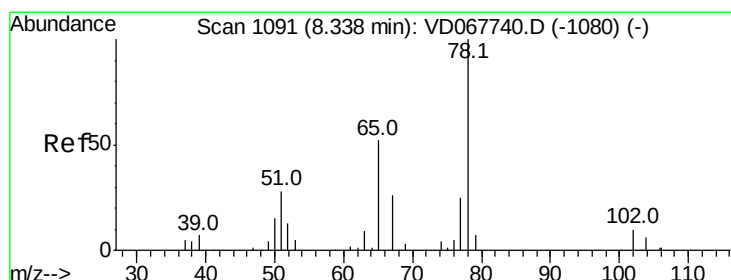
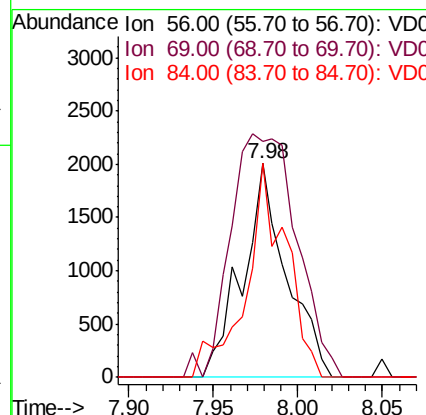
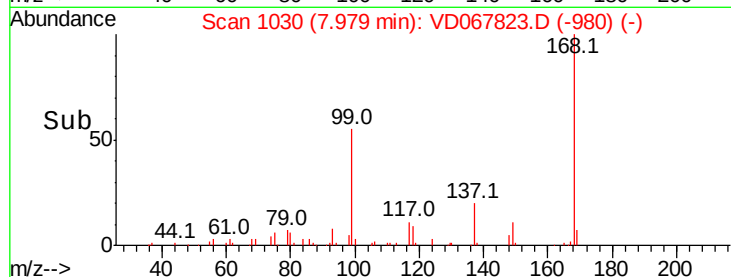
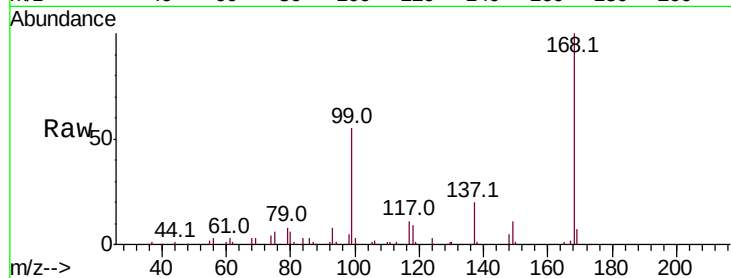




#31
Cyclohexane
Concen: 1.718 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067823.D
Acq: 30 Nov 2020 19:16

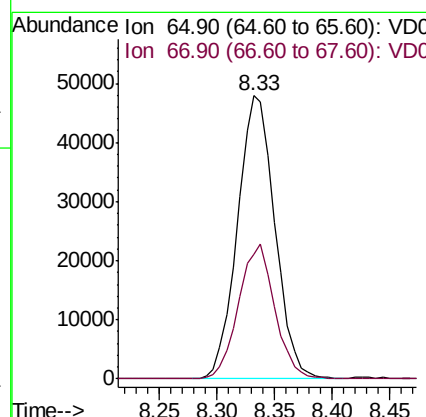
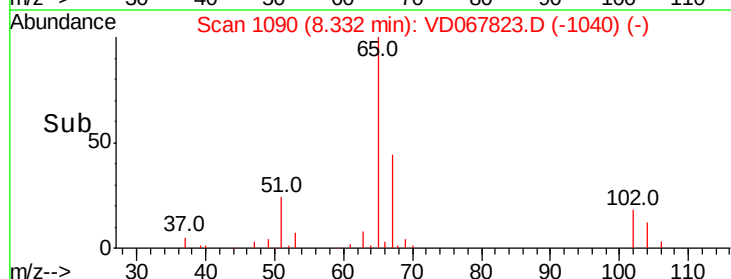
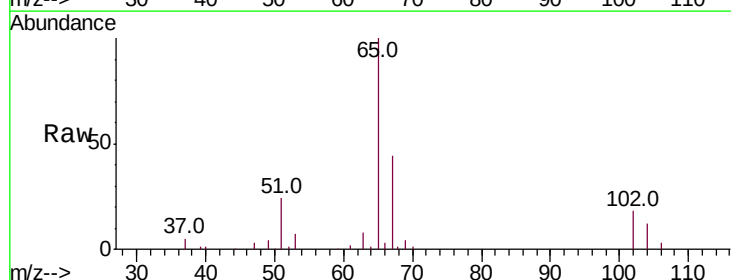
Instrument :
MSVOA_D
ClientSampleId :
PAV-B2-112520-12-12.75

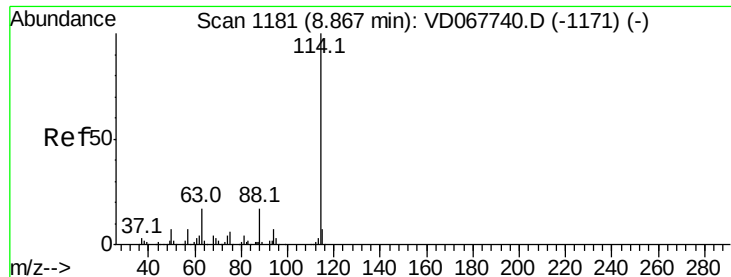
Tot Ion: 56 Resp: 3656
Ion Ratio Lower Upper
56 100
69 110.1 33.2 49.8#
84 100.3 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 61.150 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067823.D
Acq: 30 Nov 2020 19:16

Tgt Ion: 65 Resp: 107562
Ion Ratio Lower Upper
65 100
67 46.0 0.0 101.0

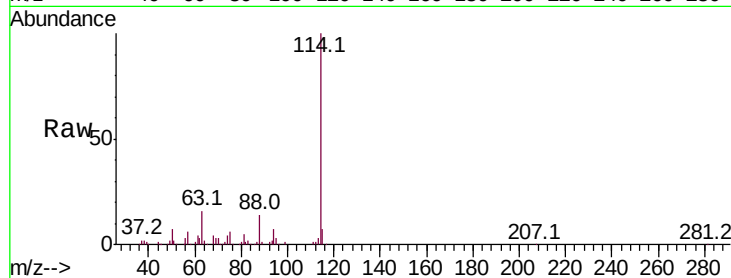




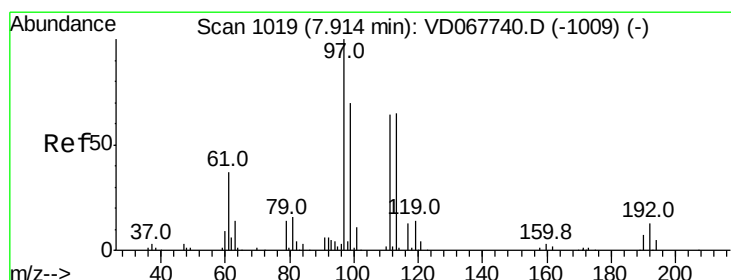
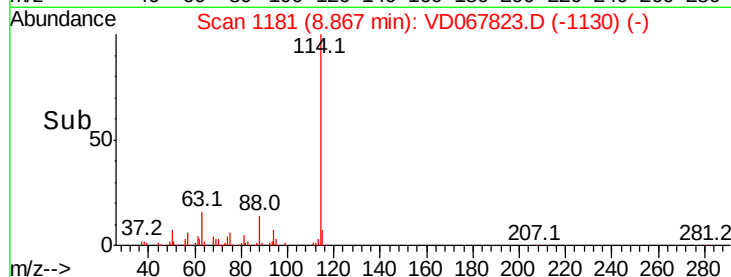
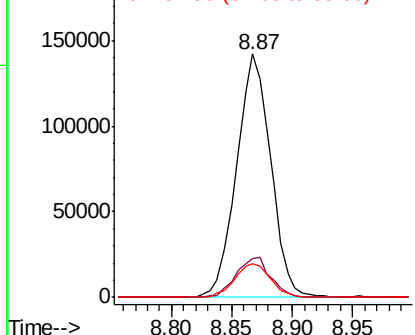
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067823.D
 Acq: 30 Nov 2020 19:16

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B2-112520-12-12.75

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.0	0.0	34.8
88	13.9	0.0	34.4

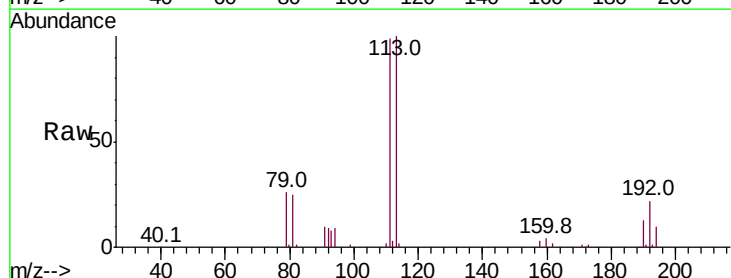


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

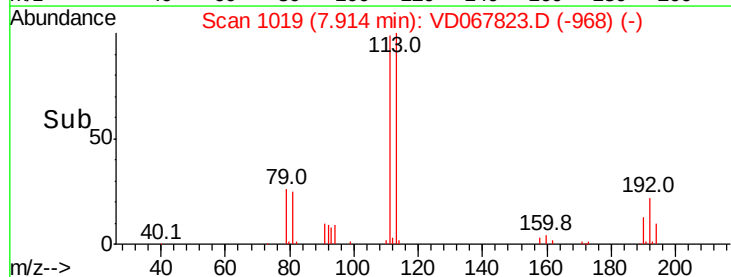
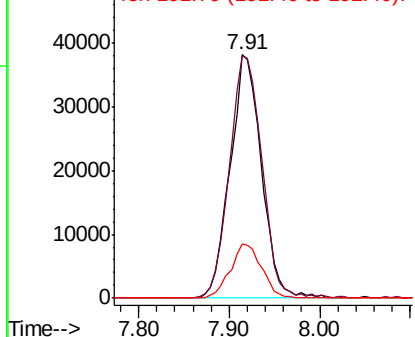


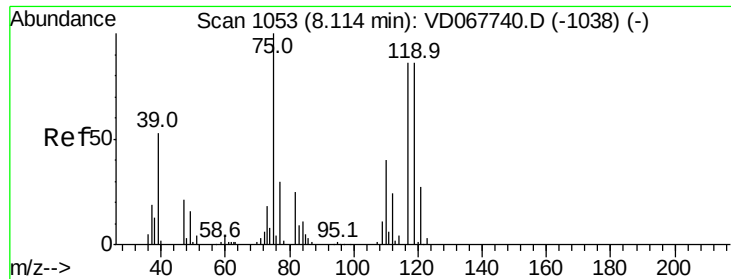
#35
 Dibromofluoromethane
 Concen: 51.337 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067823.D
 Acq: 30 Nov 2020 19:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.0
192	22.0	17.0	25.4



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: 5.131 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067823.D

Acq: 30 Nov 2020 19:16

Instrument :

MSVOA_D

ClientSampleId :

PAV-B2-112520-12-12.75

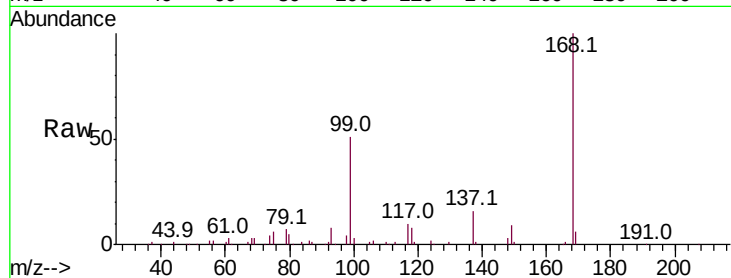
Tot Ion: 75 Resp: 12378

Ion Ratio Lower Upper

75 100

110 12.7 20.1 60.2#

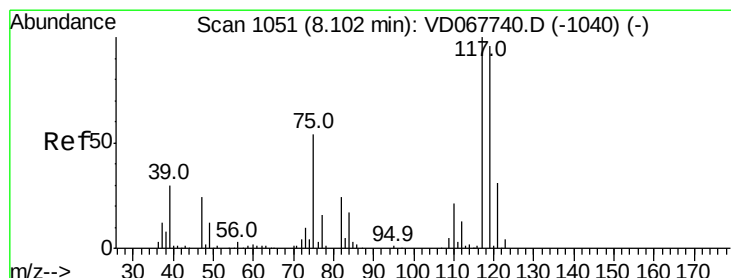
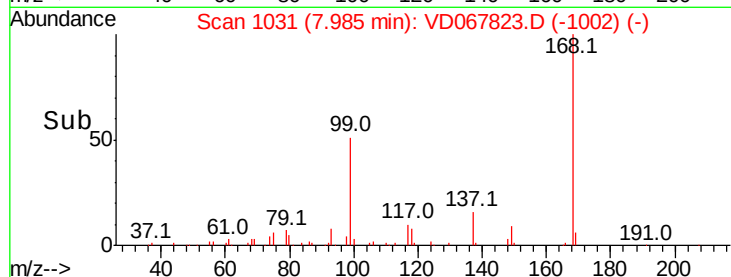
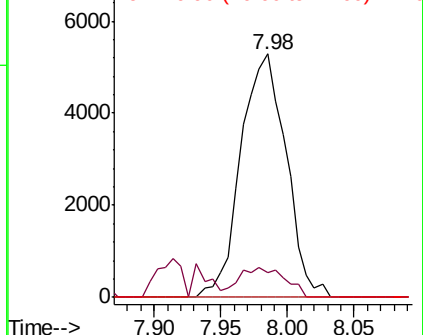
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 5.432 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067823.D

Acq: 30 Nov 2020 19:16

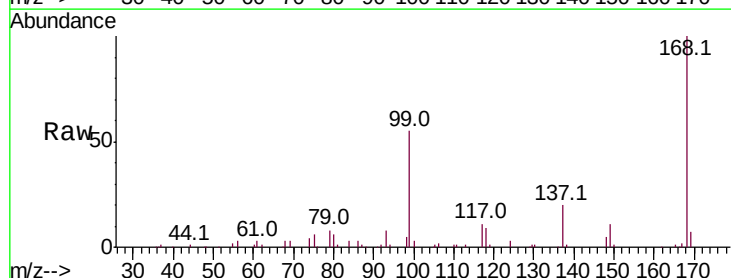
Tgt Ion: 117 Resp: 18996

Ion Ratio Lower Upper

117 100

119 4.7 76.6 115.0#

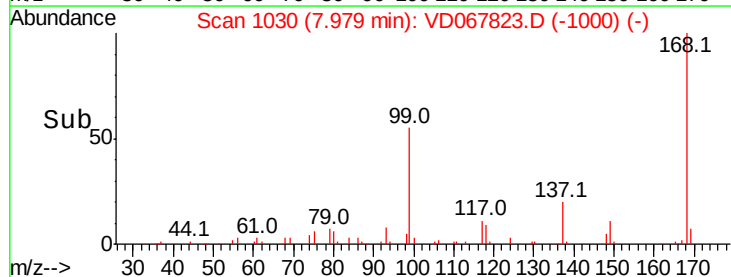
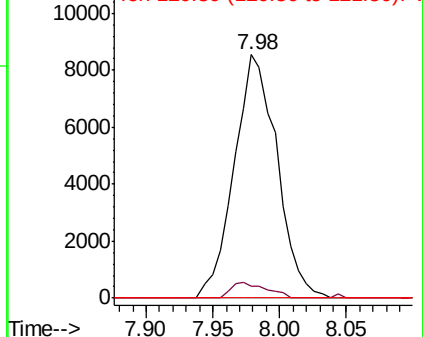
121 0.0 24.5 36.7#

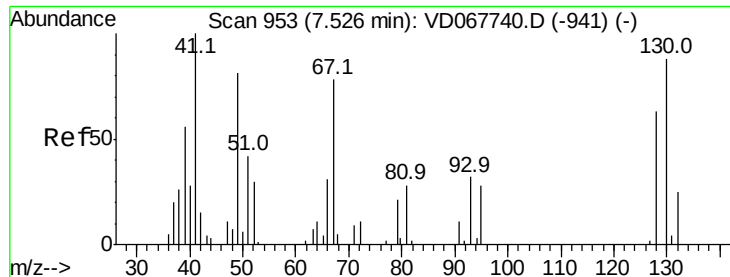


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC

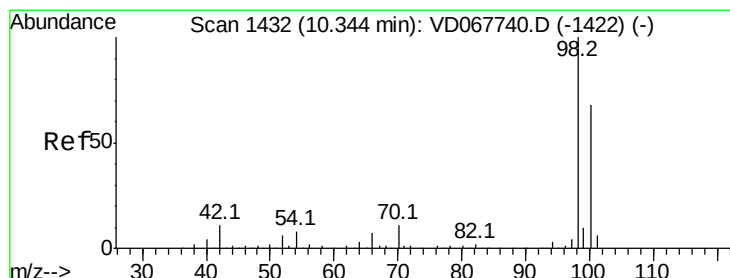
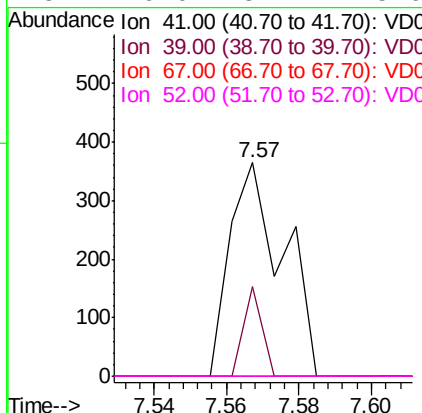
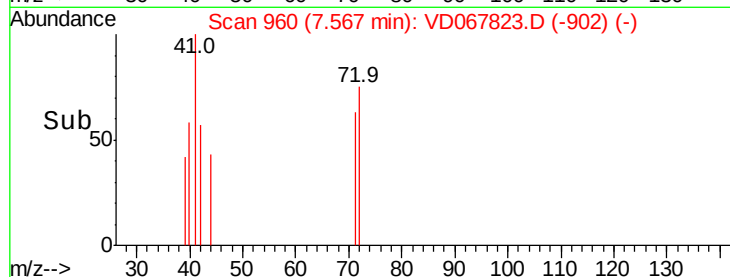
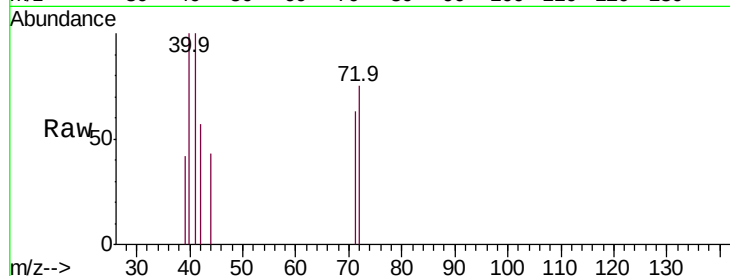




#41
Methacrylonitrile
Concen: 1.123 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD067823.D
Acq: 30 Nov 2020 19:16

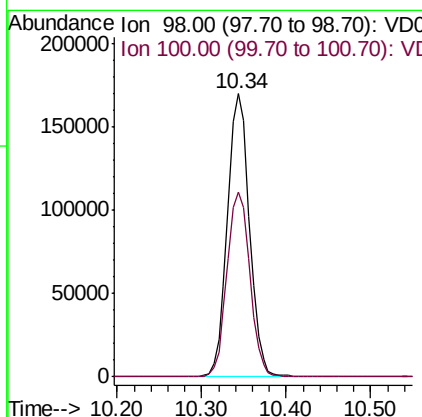
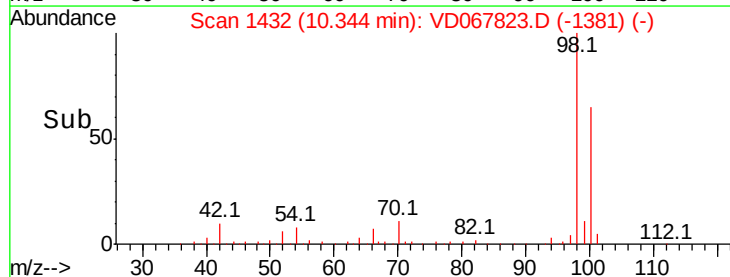
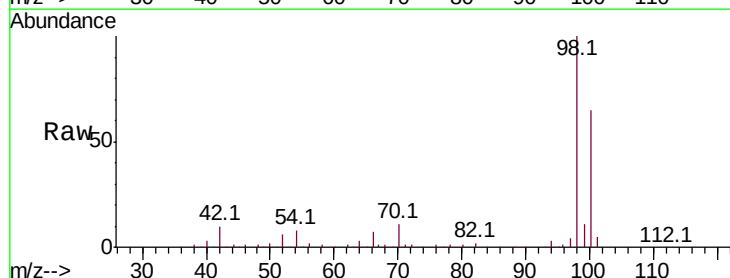
Instrument :
MSVOA_D
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PAV-B2-112520-12-12.75

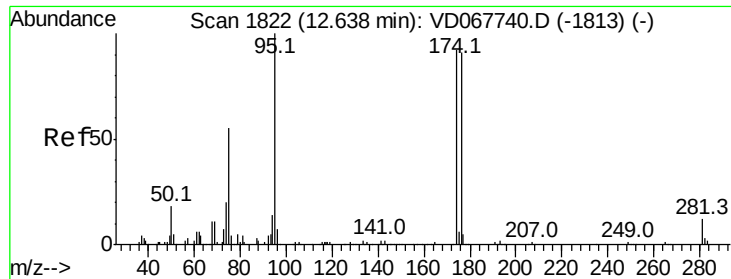
Tot Ion: 41 Resp: 372
Ion Ratio Lower Upper
41 100
39 14.5 50.2 75.4#
67 0.0 79.0 118.6#
52 0.0 32.4 48.6#



#50
Toluene-d8
Concen: 46.625 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067823.D
Acq: 30 Nov 2020 19:16

Tgt Ion: 98 Resp: 304988
Ion Ratio Lower Upper
98 100
100 68.0 53.1 79.7

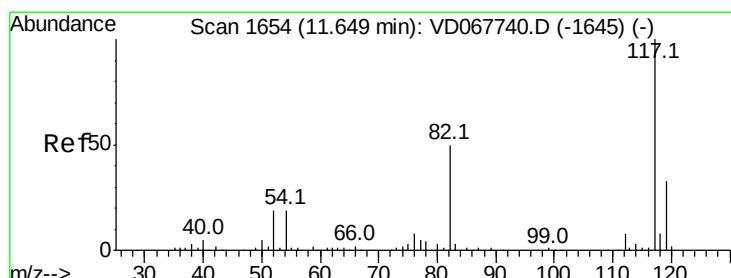
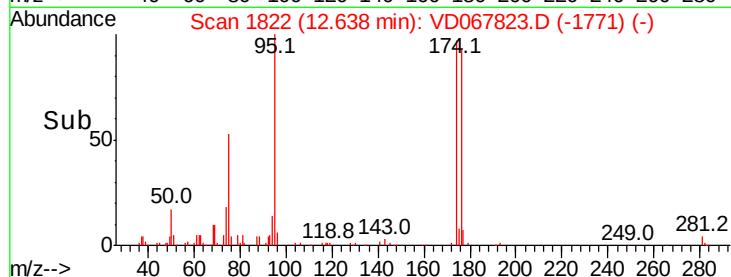
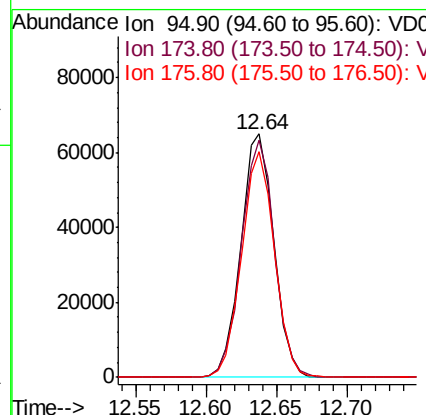
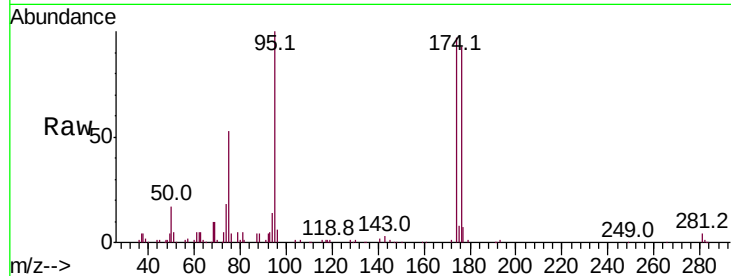




#62
4-Bromofluorobenzene
Concen: 47.307 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067823.D
Acq: 30 Nov 2020 19:16

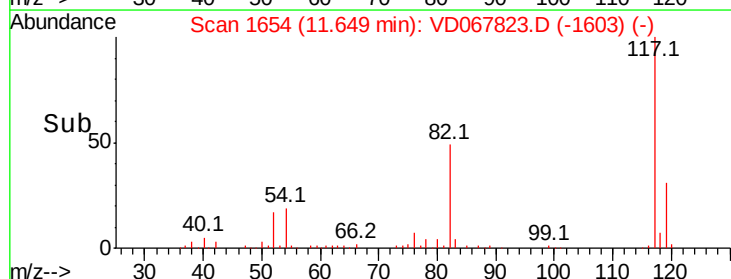
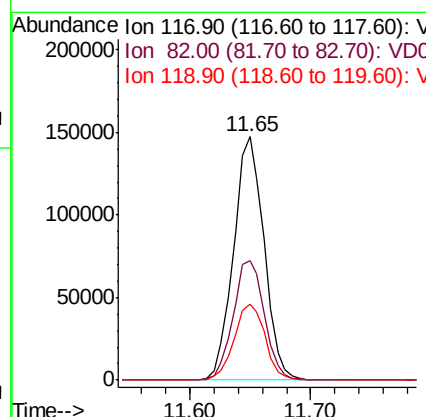
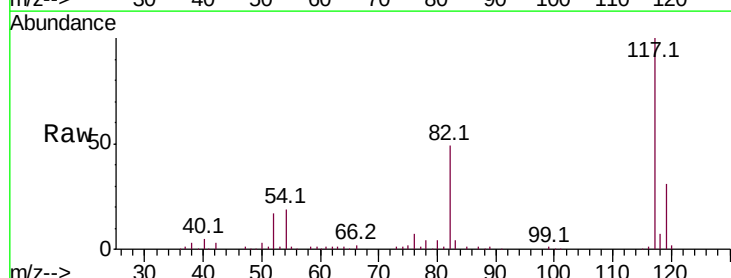
Instrument :
MSVOA_D
ClientSampleId :
PAV-B2-112520-12-12.75

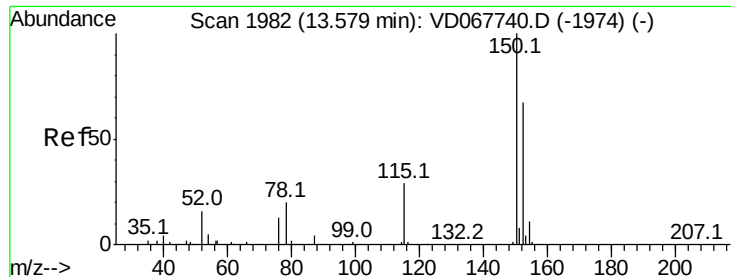
Tot Ion: 95 Resp: 105771
Ion Ratio Lower Upper
95 100
174 97.8 0.0 182.4
176 92.6 0.0 178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067823.D
Acq: 30 Nov 2020 19:16

Tgt Ion: 117 Resp: 258480
Ion Ratio Lower Upper
117 100
82 49.3 40.2 60.4
119 31.3 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067823.D

Acq: 30 Nov 2020 19:16

Instrument :

MSVOA_D

ClientSampleId :

PAV-B2-112520-12-12.75

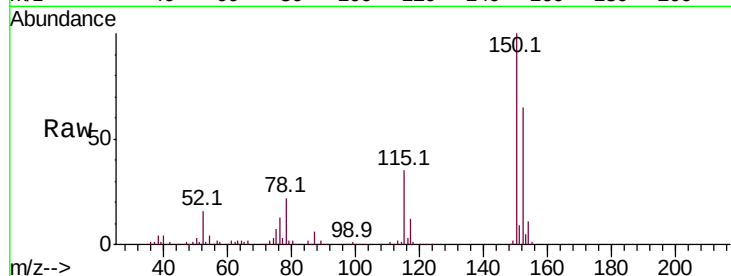
Tot Ion:152 Resp: 119563

Ion Ratio Lower Upper

152 100

115 56.1 29.4 88.3

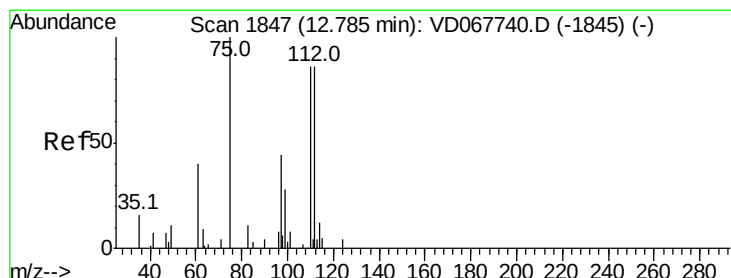
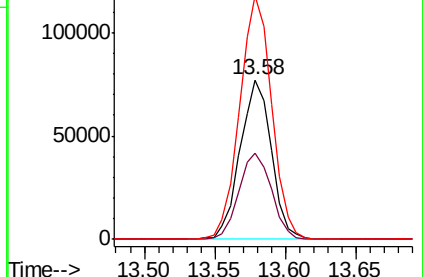
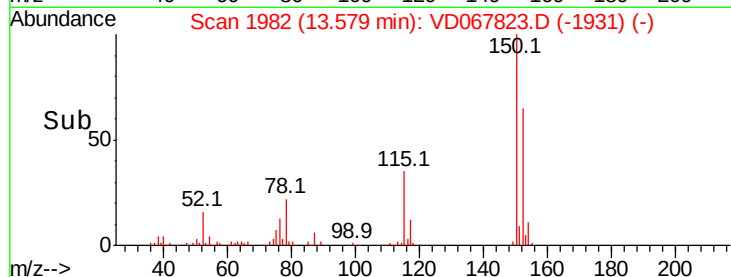
150 155.6 0.0 340.6



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: 68.386 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067823.D

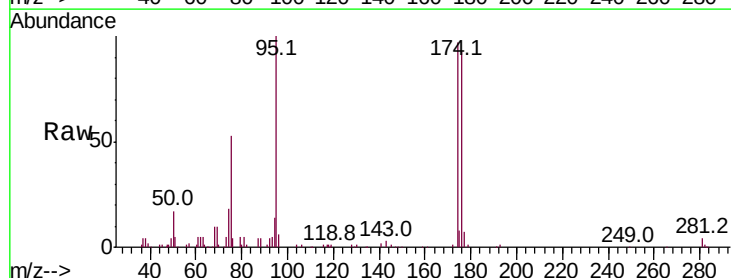
Acq: 30 Nov 2020 19:16

Tgt Ion: 75 Resp: 56986

Ion Ratio Lower Upper

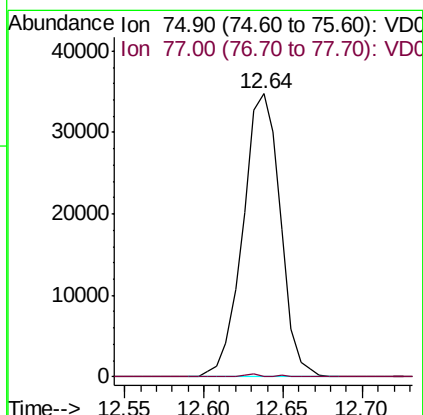
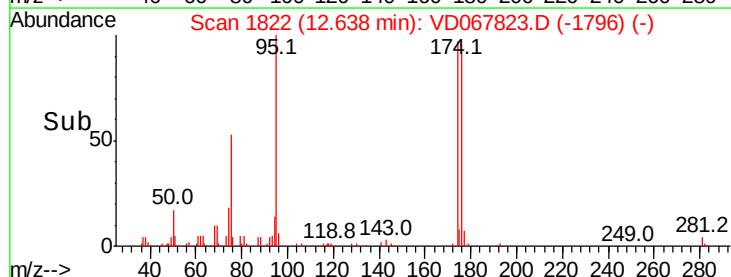
75 100

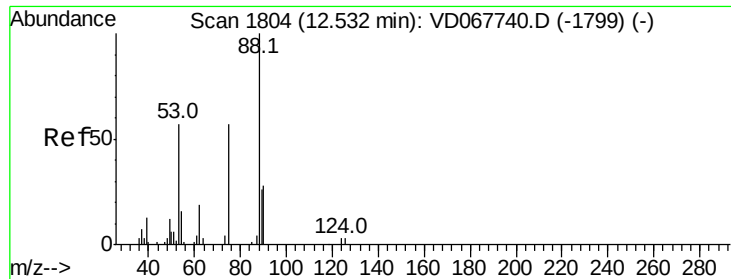
77 0.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

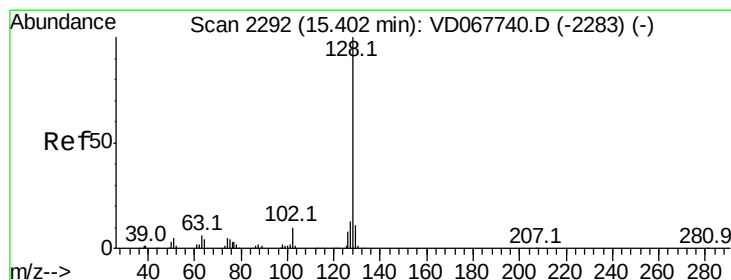
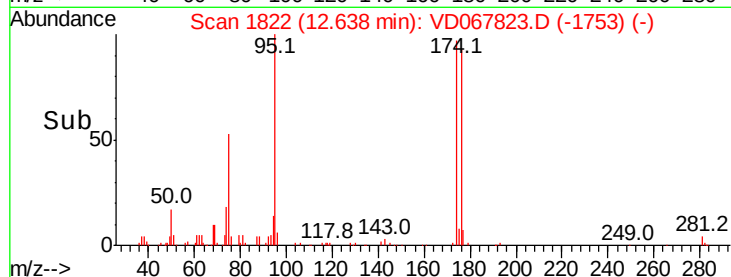
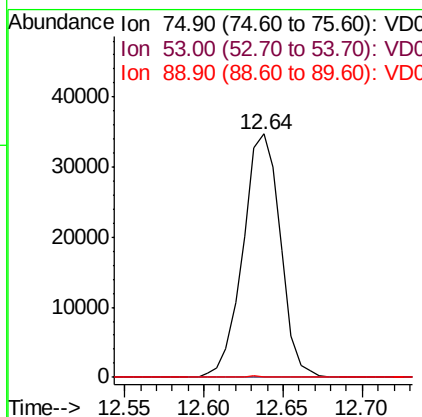
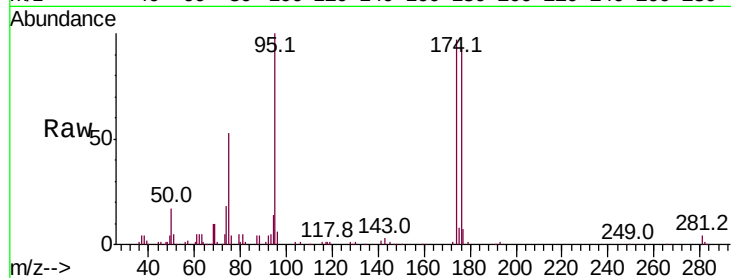




#81
trans-1,4-Dichloro-2-butene
Concen: 159.950 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD067823.D
Acq: 30 Nov 2020 19:16

Instrument :
MSVOA_D
ClientSampleId :
PAV-B2-112520-12-12.75

Tot Ion: 75 Resp: 56986
Ion Ratio Lower Upper
75 100
53 0.0 76.0 114.0#
89 0.1 40.2 60.4#



#95
Naphthalene
Concen: 1.464 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067823.D
Acq: 30 Nov 2020 19:16

Tgt Ion:128 Resp: 5509
Ion Ratio Lower Upper
128 100
127 9.8 10.7 16.1#
129 8.3 8.6 12.8#

