

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067925.D
 Acq On : 09 Dec 2020 13:52
 Operator : VA/SY
 Sample : L4913-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-3

Quant Time: Dec 10 02:09:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	218157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	295922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	257677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	114743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	101567	43.37	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.74%
35) Dibromofluoromethane	7.91	113	88021	44.45	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.90%
50) Toluene-d8	10.34	98	332878	46.70	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.40%
62) 4-Bromofluorobenzene	12.64	95	107948	43.80	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.60%

Target Compounds

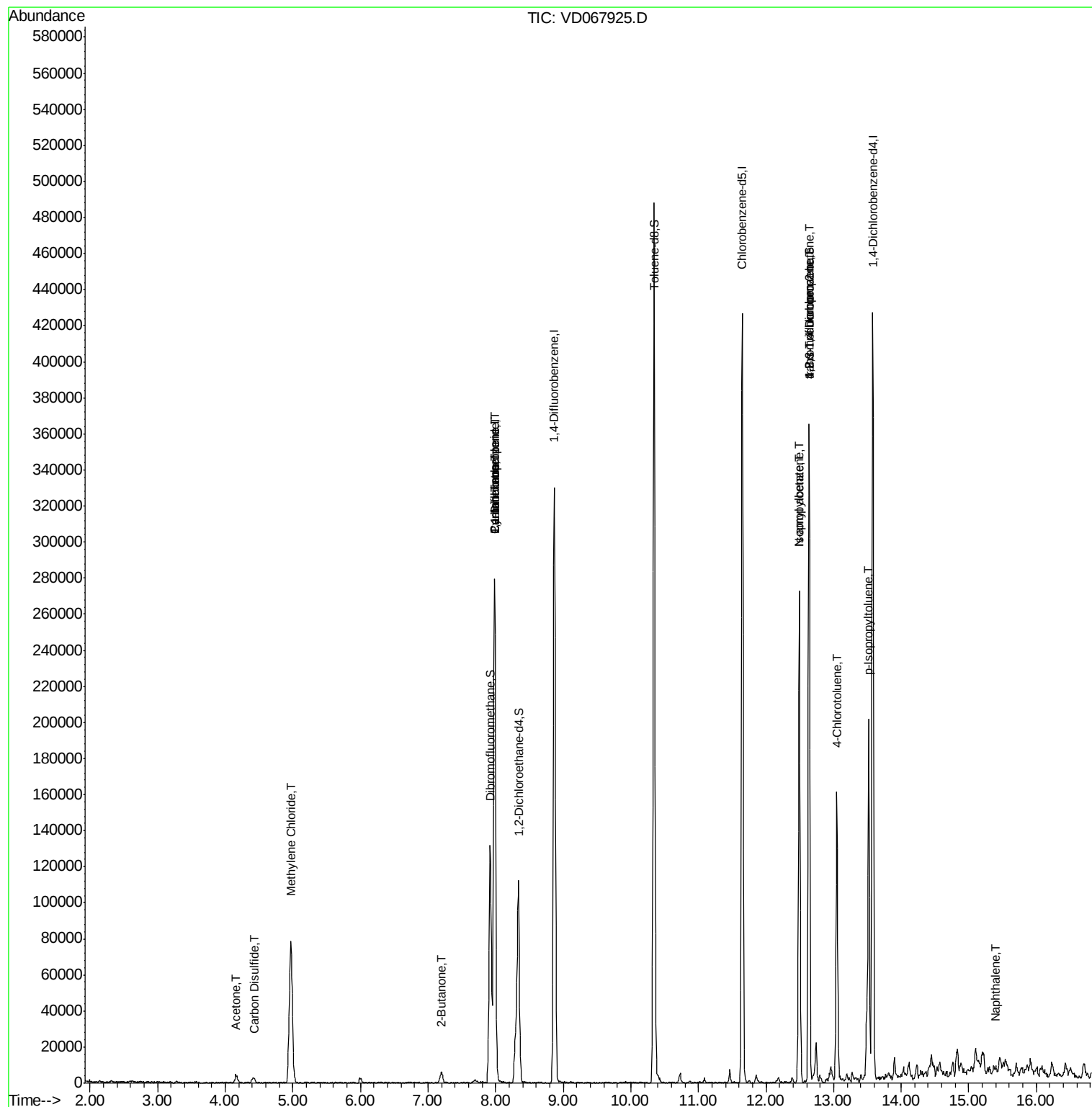
					Qvalue	
16) Acetone	4.16	43	7840	27.091	ug/l	93
17) Carbon Disulfide	4.43	76	6346	1.257	ug/l #	74
20) Methylene Chloride	4.97	84	71498	37.078	ug/l	91
25) 2-Butanone	7.21	43	454	1.491	ug/l #	36
31) Cyclohexane	7.98	56	4356	1.765	ug/l #	10
36) 1,1-Dichloropropene	7.99	75	14339	5.597	ug/l #	49
38) Carbon Tetrachloride	7.99	117	23081	5.955	ug/l #	16
73) Isopropylbenzene	12.49	105	14960	1.896	ug/l #	67
74) N-amyl acetate	12.49	43	3510	3.596	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	63221	75.660	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	63221	180.986	ug/l #	7
82) 4-Chlorotoluene	13.05	91	21692	3.952	ug/l #	39
86) p-Isopropyltoluene	13.52	119	111505	14.662	ug/l	95
95) Naphthalene	15.40	128	4698	1.258	ug/l #	91

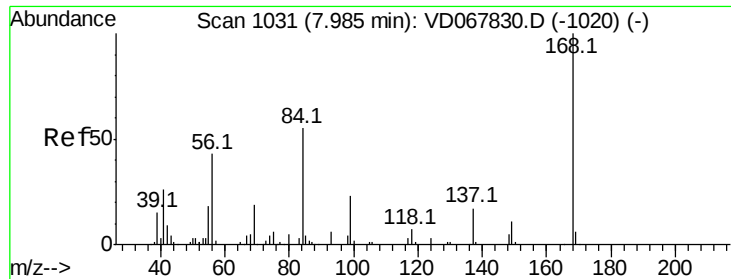
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067925.D

Acq: 09 Dec 2020 13:52

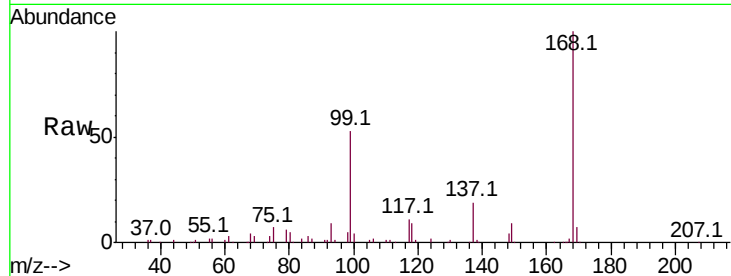
Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-3

Tot Ion:168 Resp: 218157

Ion Ratio Lower Upper

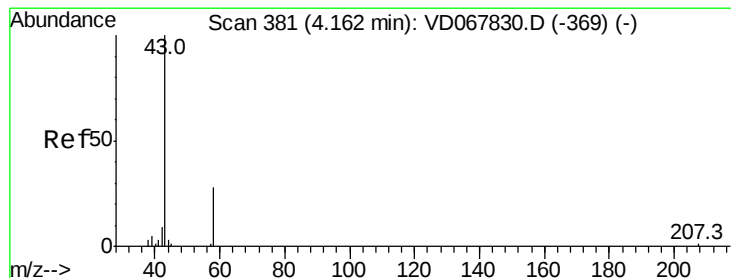
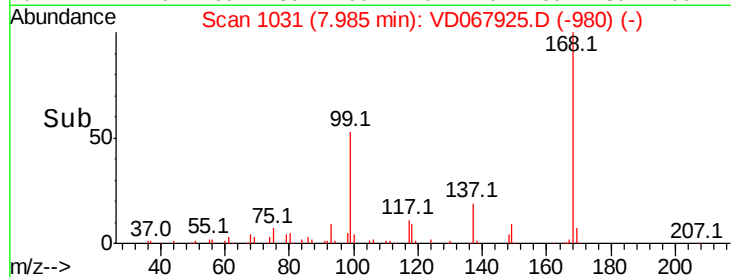
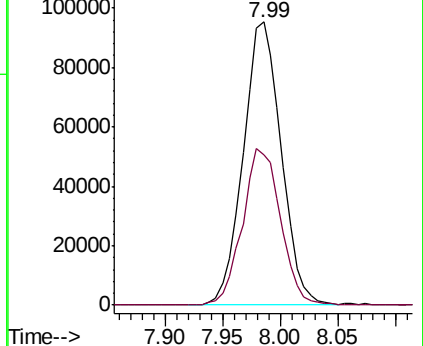
168 100

99 53.3 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 27.091 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067925.D

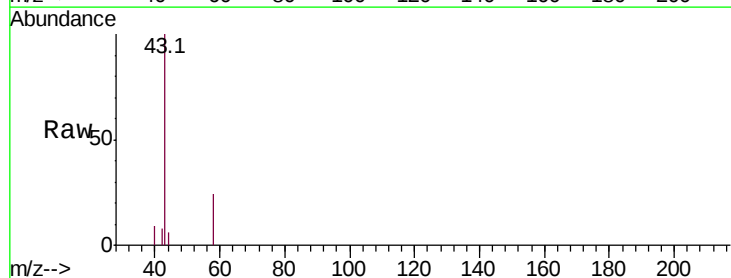
Acq: 09 Dec 2020 13:52

Tgt Ion: 43 Resp: 7840

Ion Ratio Lower Upper

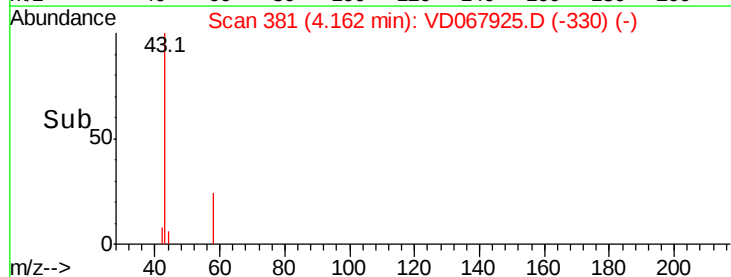
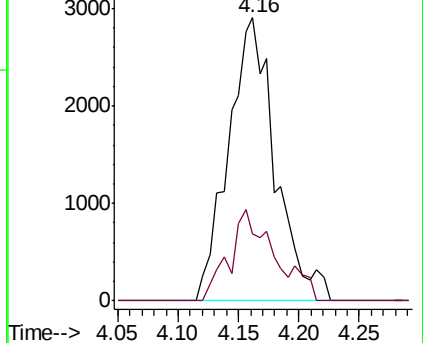
43 100

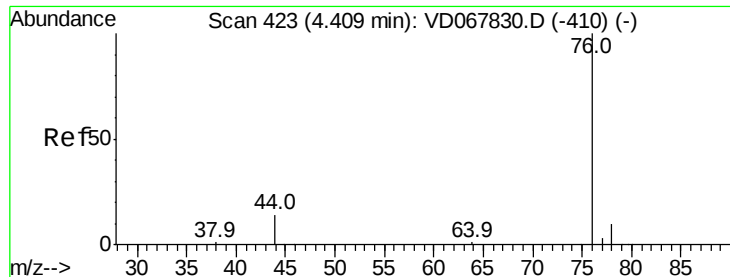
58 23.9 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

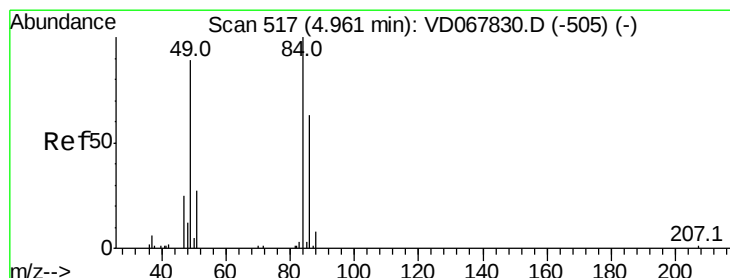
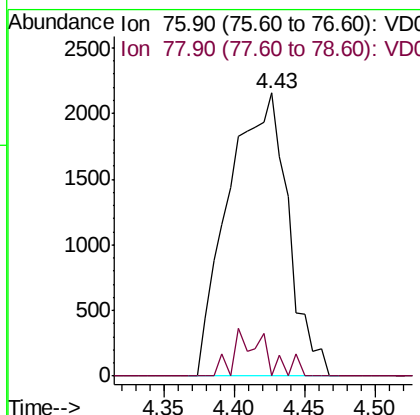
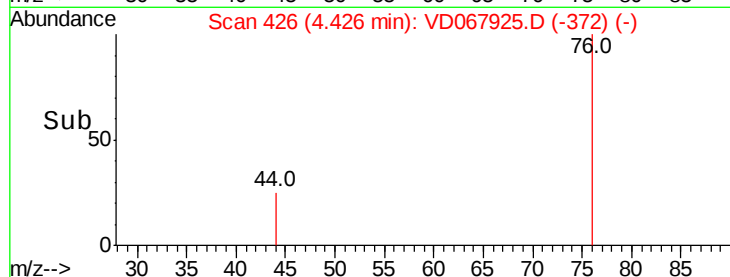
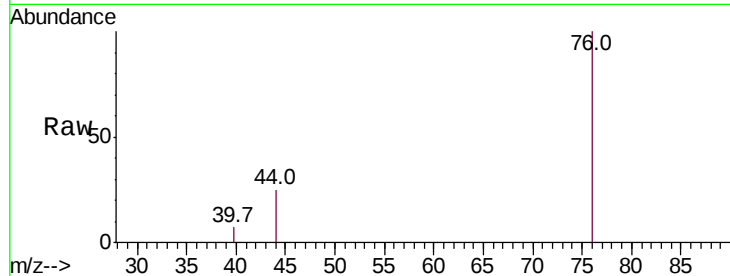




#17
Carbon Disulfide
Concen: 1.257 ug/l
RT: 4.43 min Scan# 426
Delta R.T. 0.02 min
Lab File: VD067925.D
Acq: 09 Dec 2020 13:52

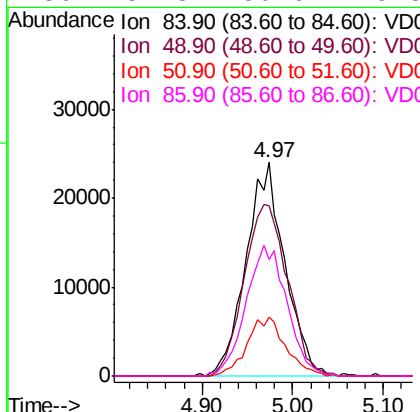
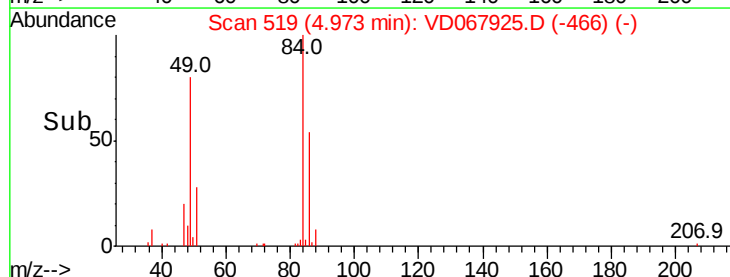
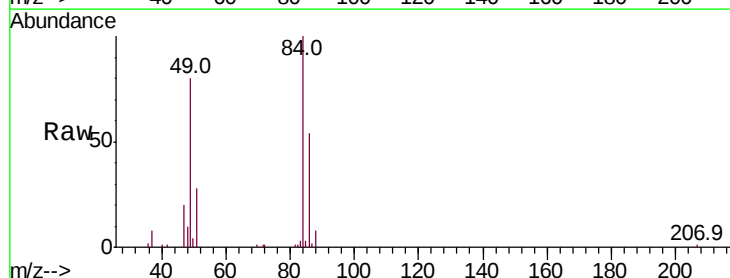
Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-3

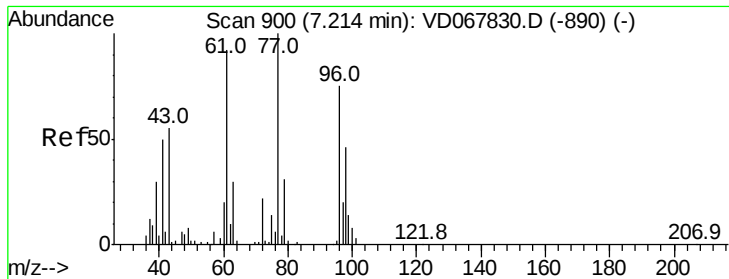
Tot Ion: 76 Resp: 6346
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#20
Methylene Chloride
Concen: 37.078 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067925.D
Acq: 09 Dec 2020 13:52

Tgt Ion: 84 Resp: 71498
Ion Ratio Lower Upper
84 100
49 79.7 71.4 107.0
51 27.5 21.8 32.8
86 54.3 50.6 75.8

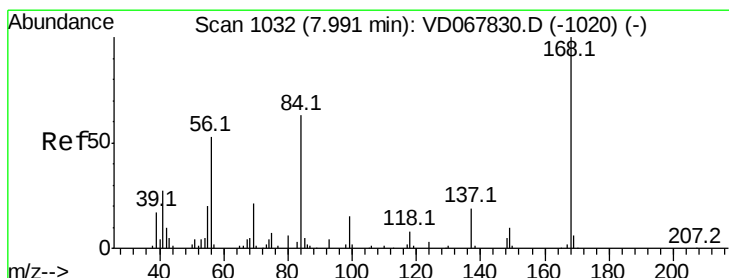
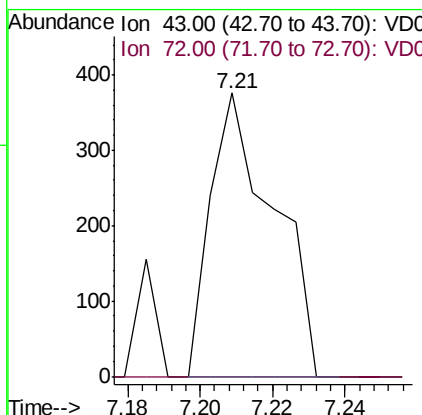
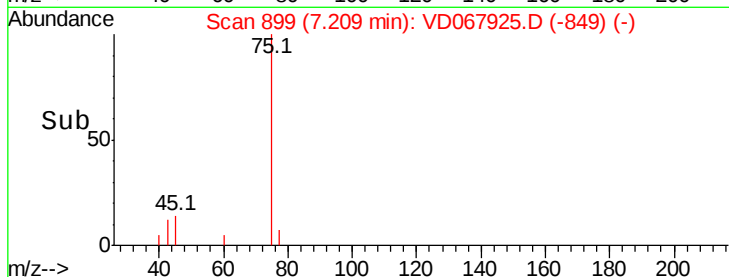
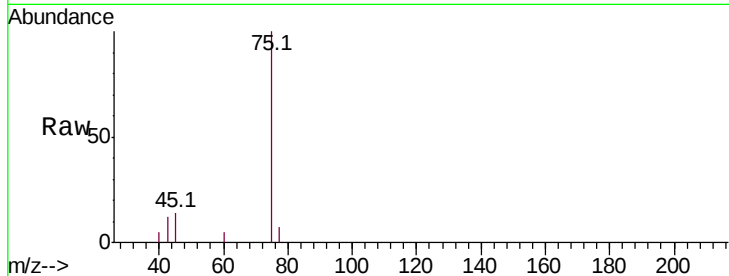




#25
2-Butanone
Concen: 1.491 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067925.D
Acq: 09 Dec 2020 13:52

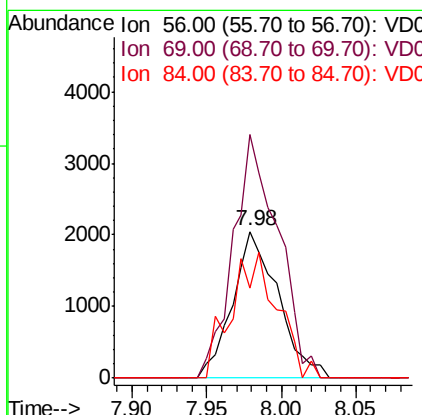
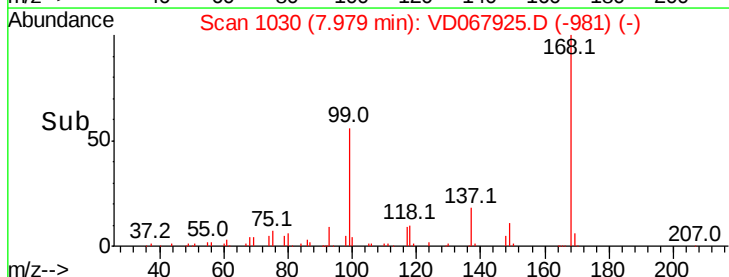
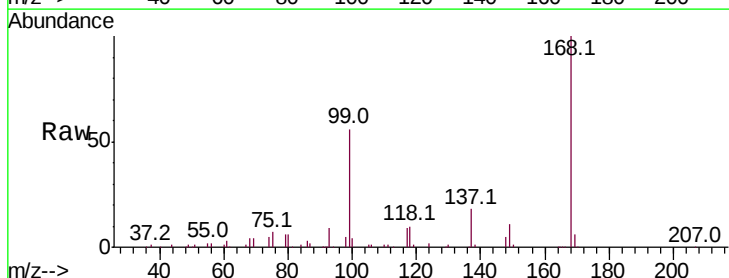
Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-3

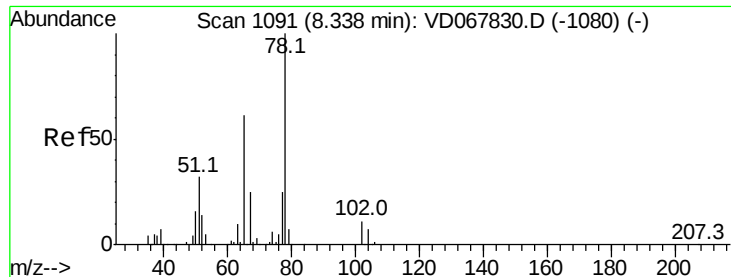
Tot Ion: 43 Resp: 454
Ion Ratio Lower Upper
43 100
72 0.0 31.3 46.9#



#31
Cyclohexane
Concen: 1.765 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067925.D
Acq: 09 Dec 2020 13:52

Tgt Ion: 56 Resp: 4356
Ion Ratio Lower Upper
56 100
69 166.1 32.1 48.1#
84 61.1 93.2 139.8#





#33

1,2-Dichloroethane-d4

Concen: 43.368 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067925.D

Acq: 09 Dec 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

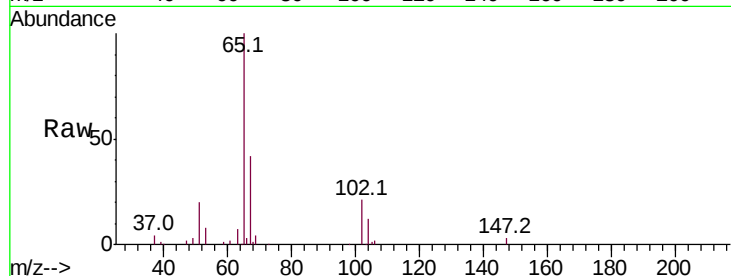
TEST-PIT-3

Tot Ion: 65 Resp: 101567

Ion Ratio Lower Upper

65 100

67 44.6 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

50000

40000

30000

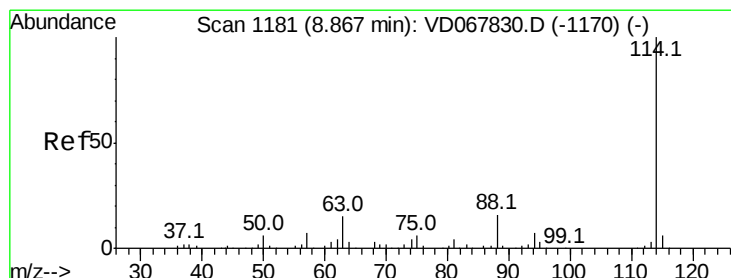
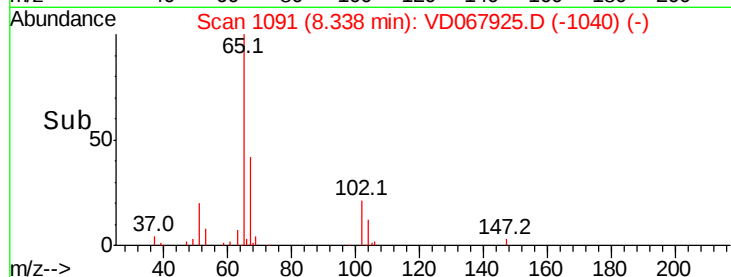
20000

10000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067925.D

Acq: 09 Dec 2020 13:52

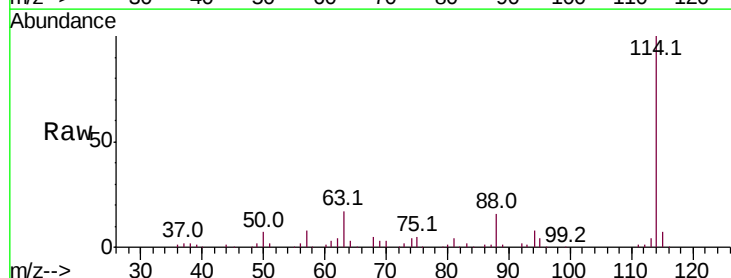
Tgt Ion:114 Resp: 295922

Ion Ratio Lower Upper

114 100

63 16.9 0.0 30.8

88 16.2 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

150000

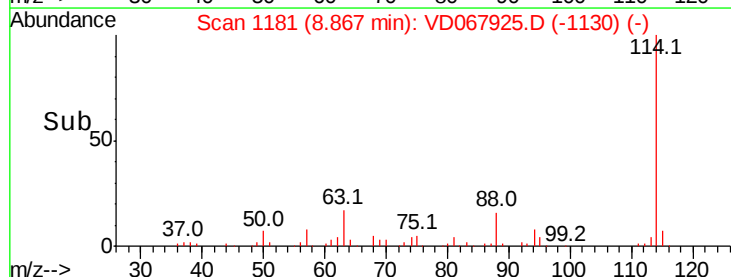
100000

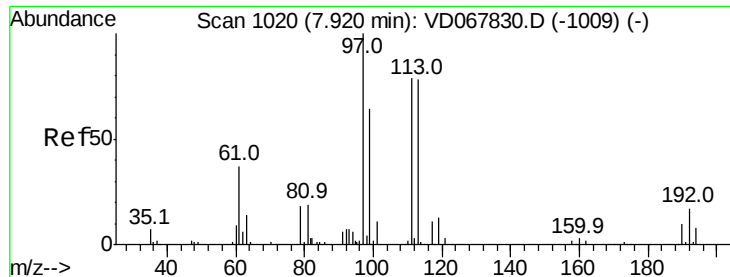
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

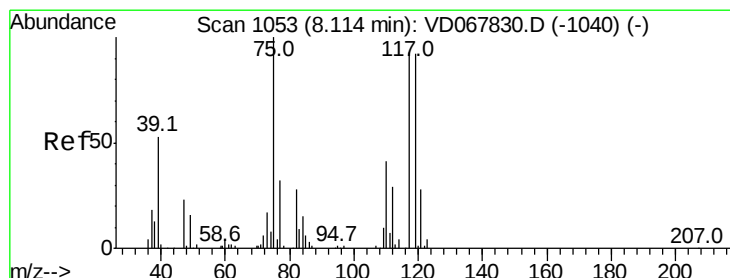
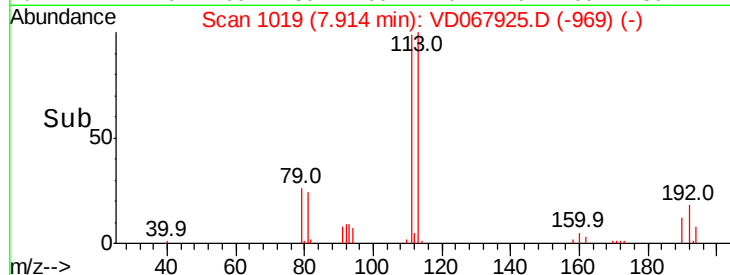
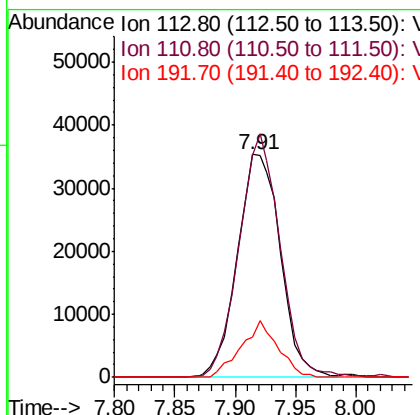
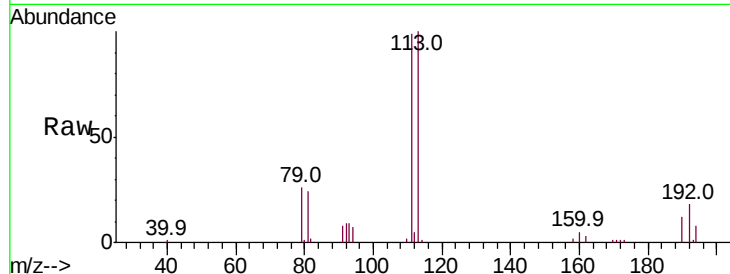




#35
 Dibromofluoromethane
 Concen: 44.452 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067925.D
 Acq: 09 Dec 2020 13:52

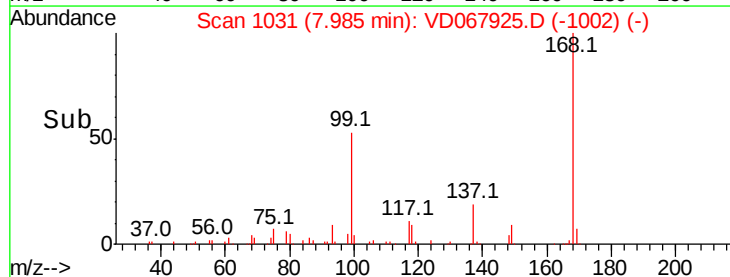
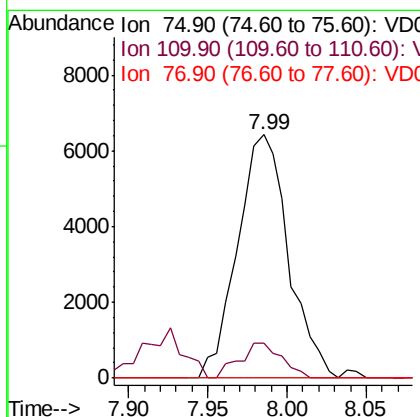
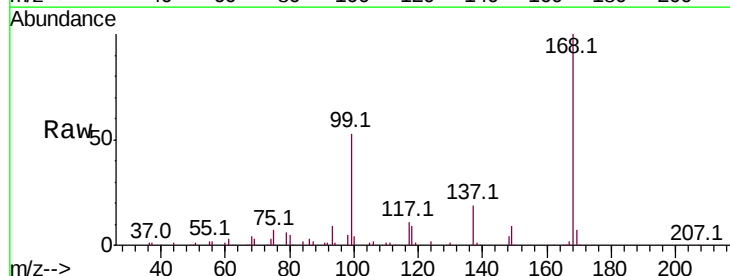
Instrument :
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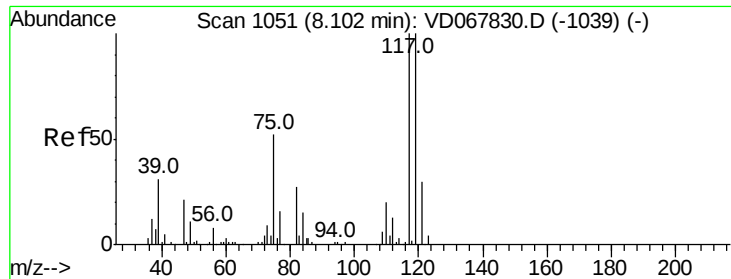
Tot Ion:113 Resp: 88021
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.2 121.8
 192 21.7 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 5.597 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067925.D
 Acq: 09 Dec 2020 13:52

Tgt Ion: 75 Resp: 14339
 Ion Ratio Lower Upper
 75 100
 110 11.9 20.3 61.0#
 77 0.0 24.7 37.1#

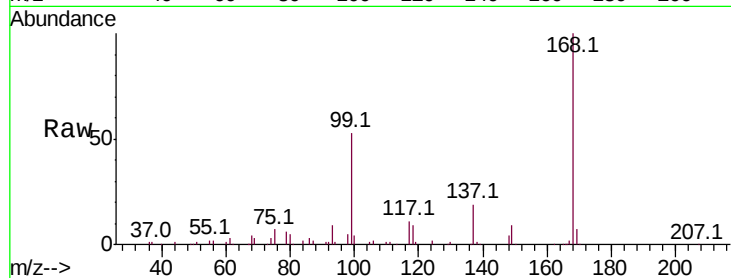




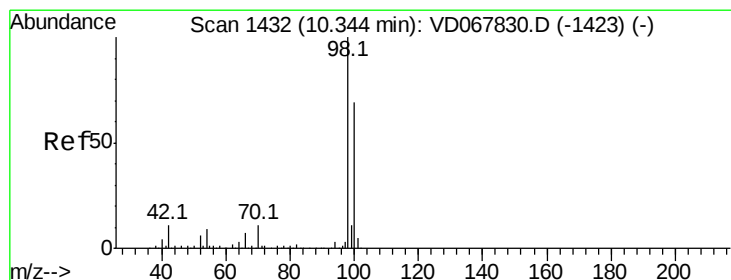
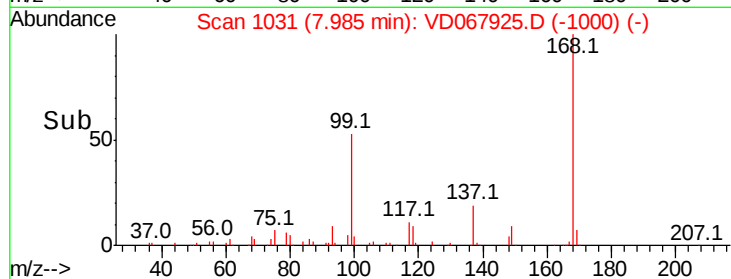
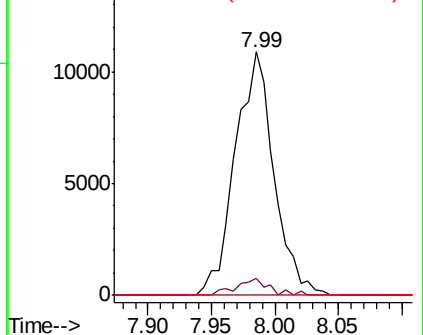
#38
Carbon Tetrachloride
Concen: 5.955 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067925.D
Acq: 09 Dec 2020 13:52

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-3

Tot Ion:117 Resp: 23081
Ion Ratio Lower Upper
117 100
119 6.8 79.7 119.5#
121 0.0 23.8 35.6#

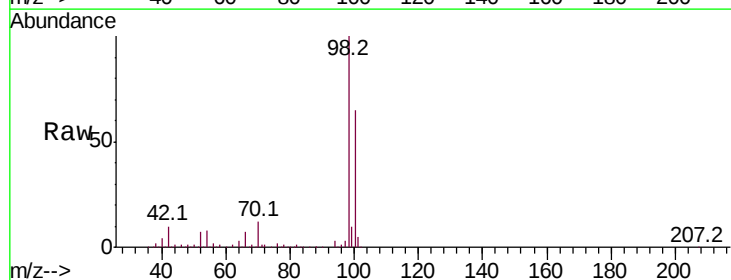


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

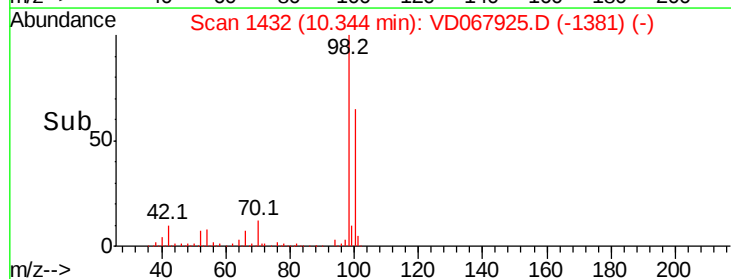
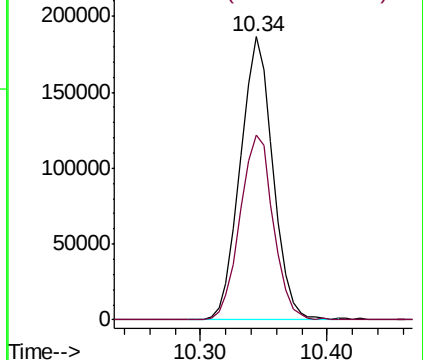


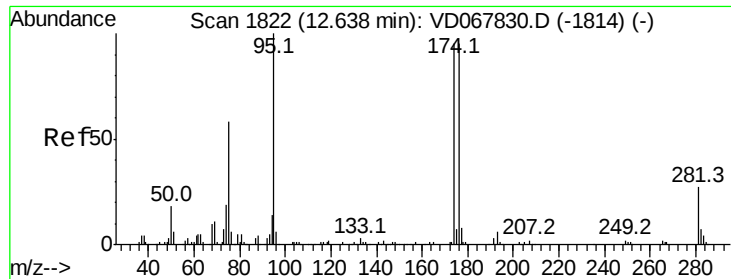
#50
Toluene-d8
Concen: 46.699 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067925.D
Acq: 09 Dec 2020 13:52

Tgt Ion: 98 Resp: 332878
Ion Ratio Lower Upper
98 100
100 67.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

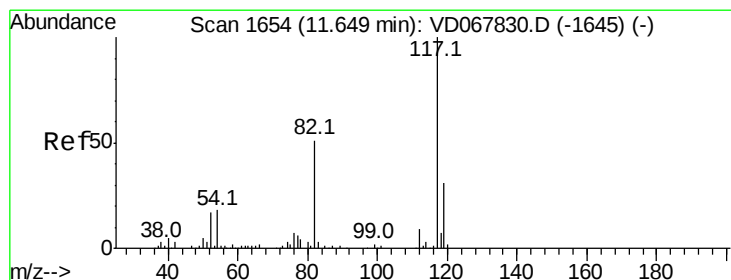
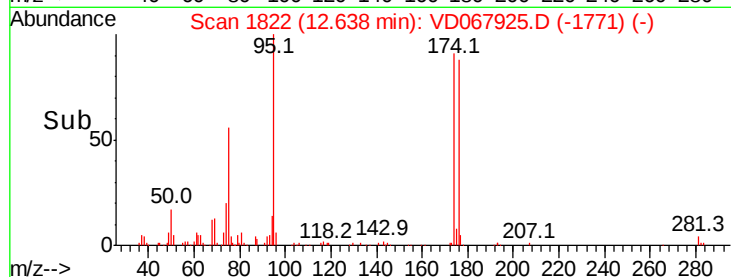
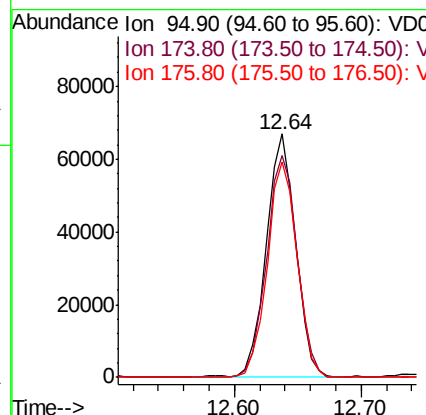
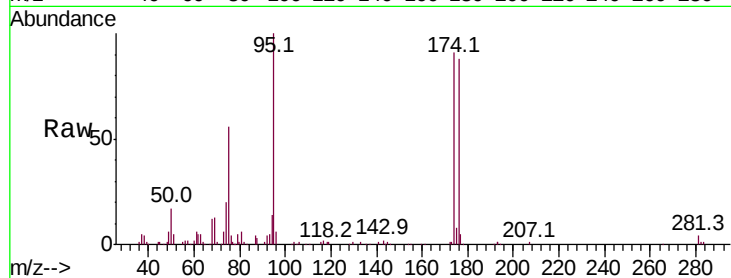




#62
 4-Bromofluorobenzene
 Concen: 43.803 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067925.D
 Acq: 09 Dec 2020 13:52

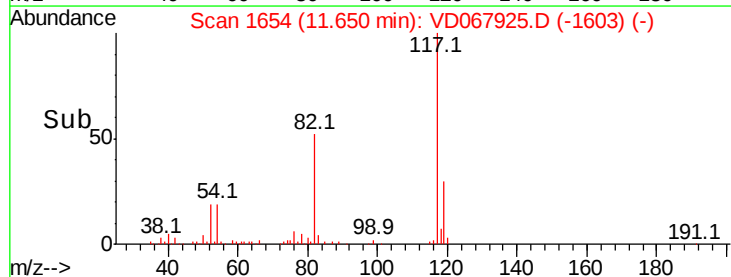
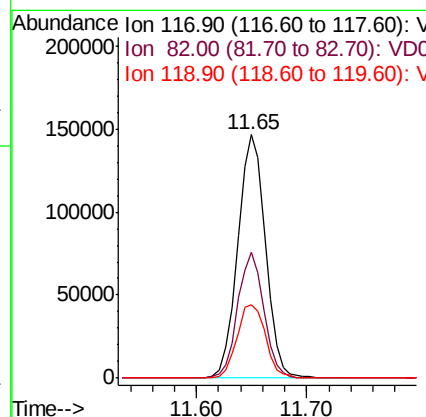
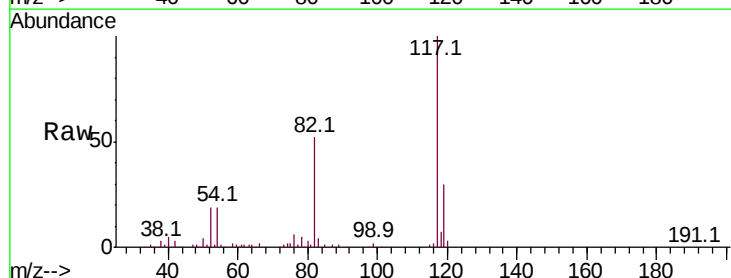
Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-3

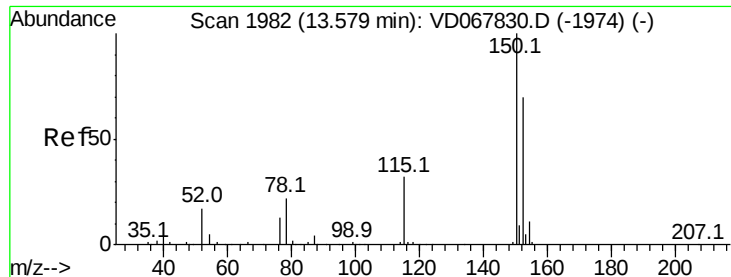
Tot Ion: 95 Resp: 107948
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 186.0
 176 89.8 0.0 184.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.65 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VD067925.D
 Acq: 09 Dec 2020 13:52

Tgt Ion: 117 Resp: 257677
 Ion Ratio Lower Upper
 117 100
 82 51.9 40.6 60.8
 119 30.1 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067925.D

Acq: 09 Dec 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-3

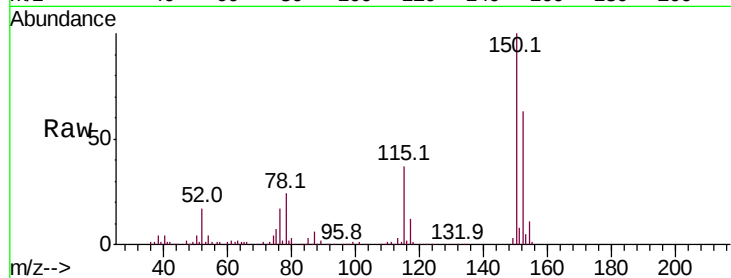
Tot Ion:152 Resp: 114743

Ion Ratio Lower Upper

152 100

115 58.8 29.1 87.4

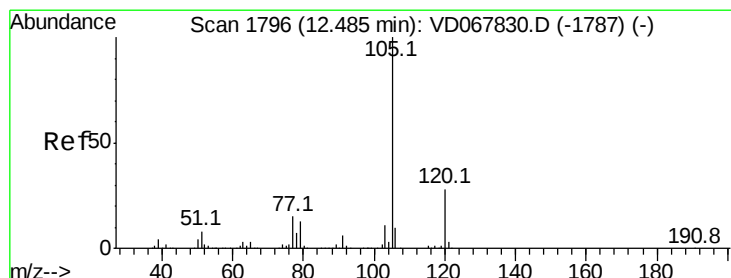
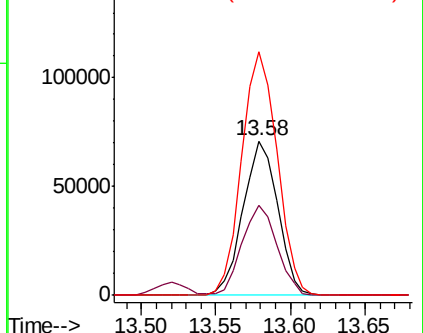
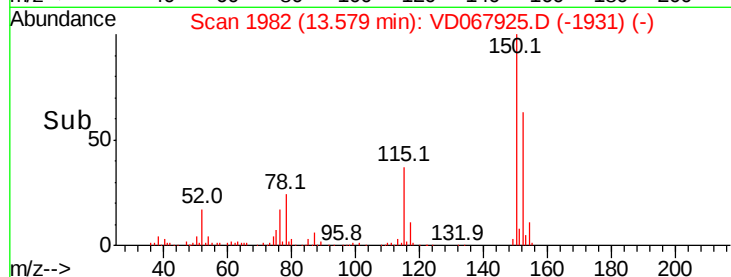
150 161.0 0.0 339.0



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



#73

Isopropylbenzene

Concen: 1.896 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD067925.D

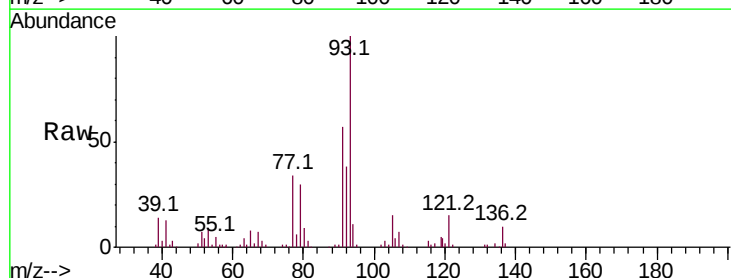
Acq: 09 Dec 2020 13:52

Tgt Ion:105 Resp: 14960

Ion Ratio Lower Upper

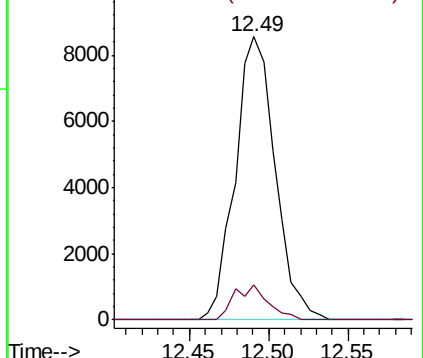
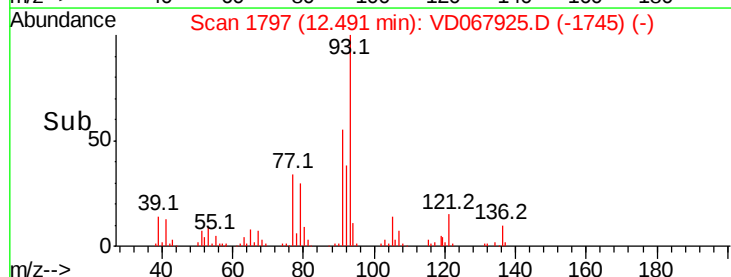
105 100

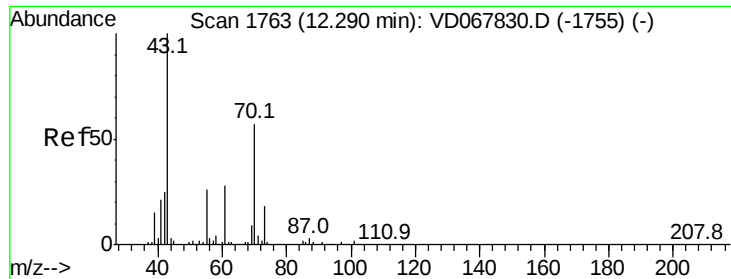
120 10.4 13.9 41.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.596 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.20 min

Lab File: VD067925.D

Acq: 09 Dec 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-3

Tot Ion: 43 Resp: 3510

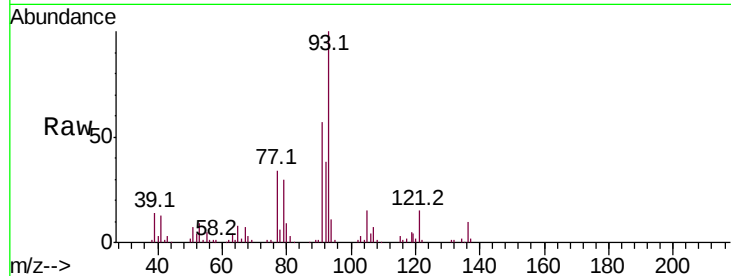
Ion Ratio Lower Upper

43 100

70 1.9 44.6 66.8#

55 156.4 22.2 33.2#

61 6.9 22.7 34.1#

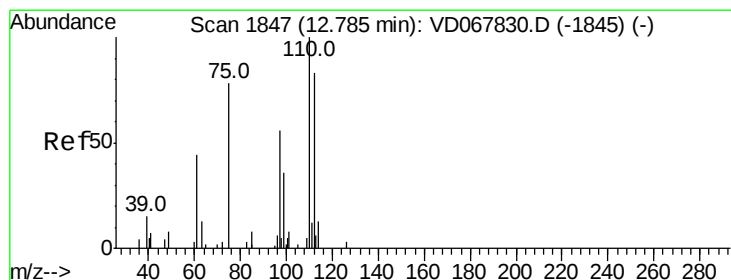
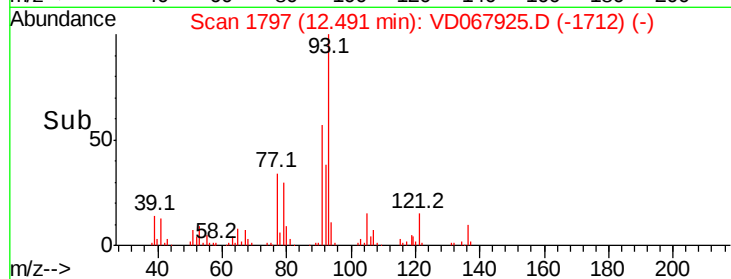
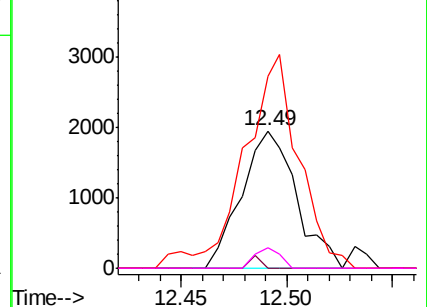


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 75.660 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067925.D

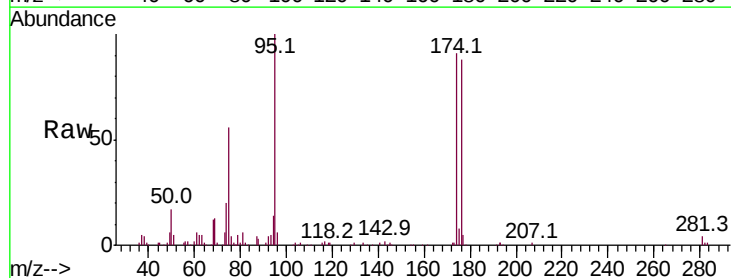
Acq: 09 Dec 2020 13:52

Tgt Ion: 75 Resp: 63221

Ion Ratio Lower Upper

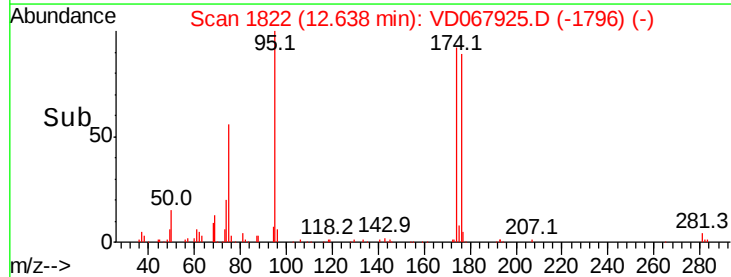
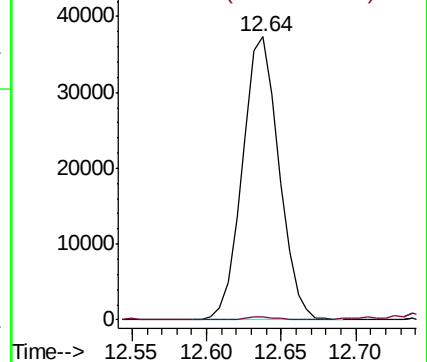
75 100

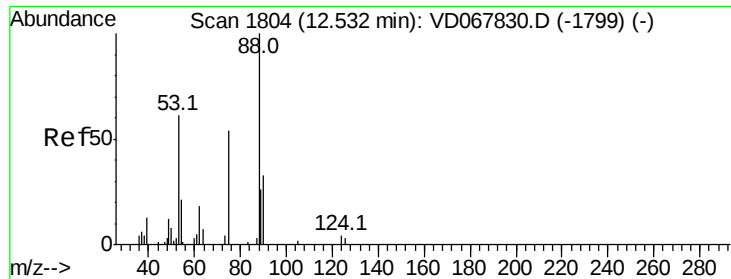
77 0.9 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 180.986 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067925.D

Acq: 09 Dec 2020 13:52

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-3

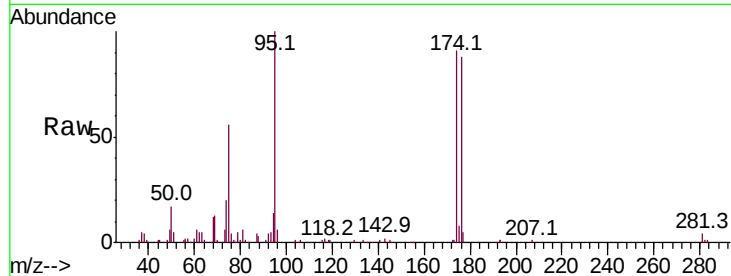
Tot Ion: 75 Resp: 63221

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

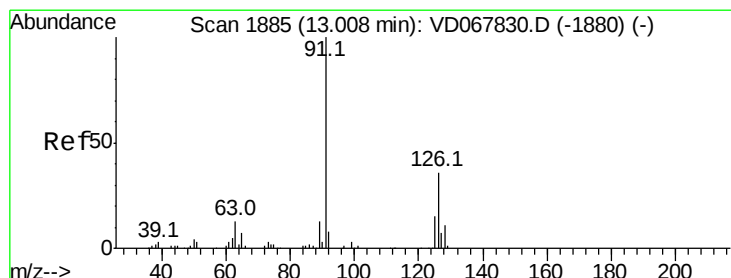
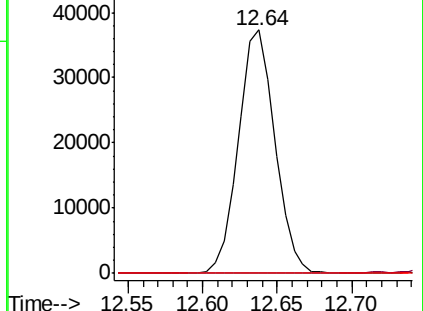
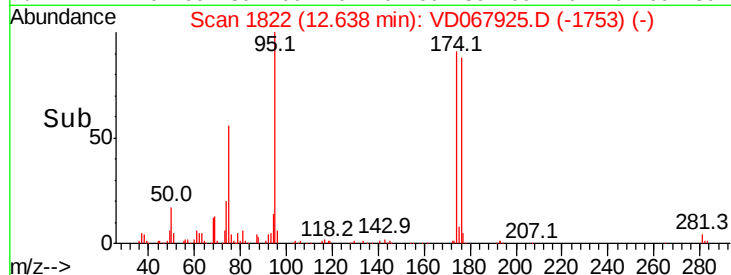
89 0.0 41.0 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 3.952 ug/l

RT: 13.05 min Scan# 1892

Delta R.T. 0.04 min

Lab File: VD067925.D

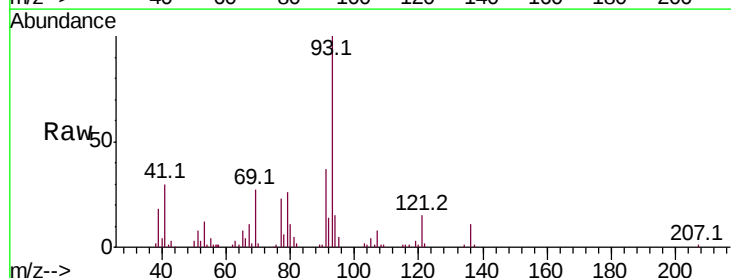
Acq: 09 Dec 2020 13:52

Tgt Ion: 91 Resp: 21692

Ion Ratio Lower Upper

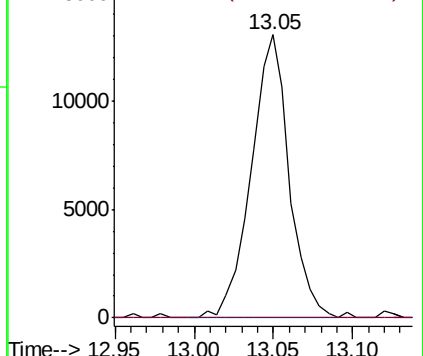
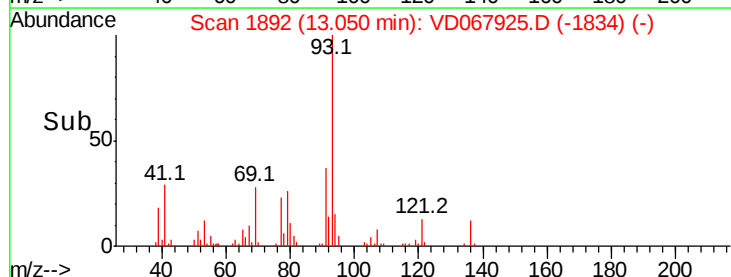
91 100

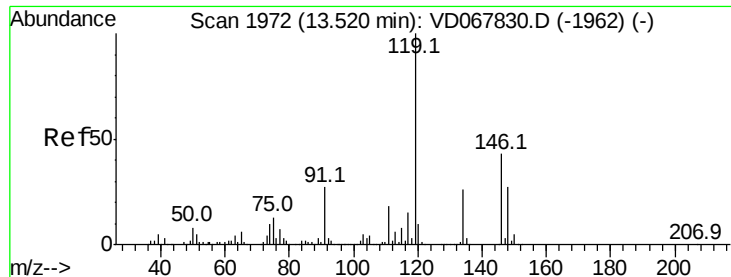
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

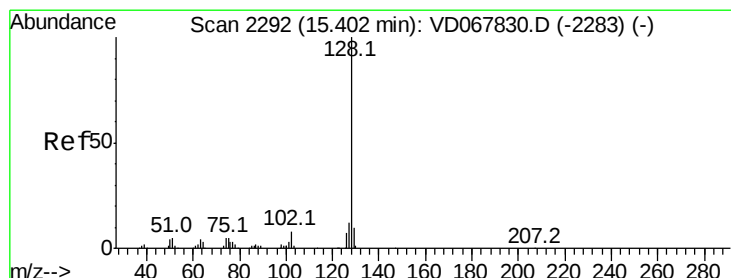
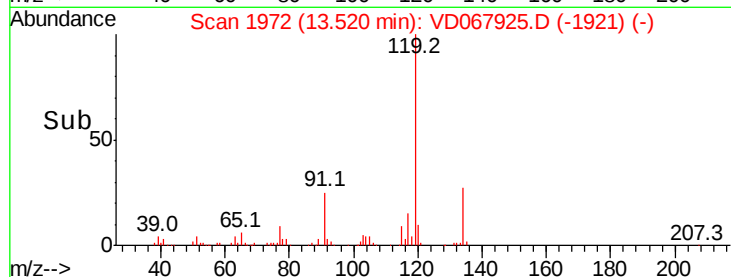
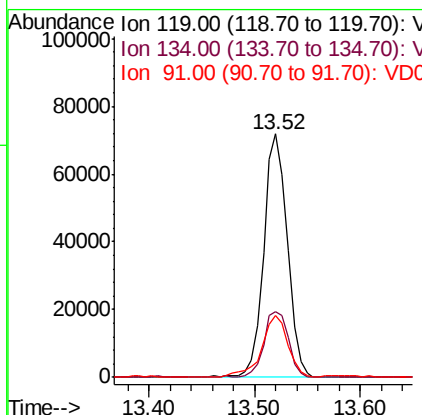
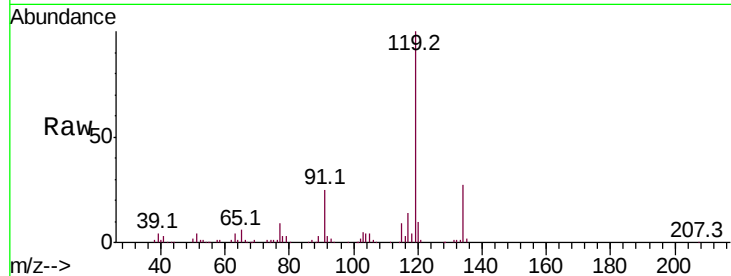




#86
p-Isopropyltoluene
Concen: 14.662 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD067925.D
Acq: 09 Dec 2020 13:52

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-3

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.1	39.3
91	28.3	12.8	38.3



#95
Naphthalene
Concen: 1.258 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067925.D
Acq: 09 Dec 2020 13:52

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.3	10.6	15.8#
129	9.5	9.0	13.6

