

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067547.D
 Acq On : 06 Nov 2020 12:04
 Operator : VA/SY
 Sample : L4548-22
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOIL

Quant Time: Nov 06 23:28:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	309952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	476014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	421414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214677	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	133618	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
35) Dibromofluoromethane	7.92	113	138605	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	10.34	98	478135	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.64	95	160526	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	934	Below Cal	#	44
11) Tert butyl alcohol	5.17	59	4125	16.448	ug/l #	79
16) Acetone	4.16	43	164791	406.325	ug/l	98
20) Methylene Chloride	4.97	84	210741	73.561	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	142395	47.257	ug/l	93
22) Diisopropyl ether	6.37	45	957721	177.502	ug/l	96
23) Vinyl Acetate	6.36	43	529266	187.397	ug/l #	65
25) 2-Butanone	7.21	43	131268	302.910	ug/l	91
27) cis-1,2-Dichloroethene	7.21	96	126521	40.454	ug/l	92
28) Bromochloromethane	7.71	49	64979	41.385	ug/l #	1
29) Tetrahydrofuran	7.71	42	2662	10.255	ug/l #	1
30) Chloroform	7.71	83	924999	175.656	ug/l	98
31) Cyclohexane	7.98	56	6944	1.767	ug/l #	45
32) 1,1,1-Trichloroethane	7.90	97	669562	123.233	ug/l	100
37) Ethyl Acetate	7.21	43	131268	124.090	ug/l #	1
38) Carbon Tetrachloride	7.98	117	33452	6.319	ug/l #	16
41) Methacrylonitrile	7.73	41	2660	4.207	ug/l #	13
42) 1,2-Dichloroethane	8.43	62	333896	97.913	ug/l	98
43) Isopropyl Acetate	8.53	43	128052	61.208	ug/l #	1
44) Trichloroethene	9.11	130	214139	59.006	ug/l	94
45) 1,2-Dichloropropane	9.39	63	163648	68.578	ug/l	98
46) Dibromomethane	9.48	93	214982	141.689	ug/l	99
47) Bromodichloromethane	9.67	83	306809	74.397	ug/l	96
48) Methyl methacrylate	9.39	41	95081	88.023	ug/l #	26
49) 1,4-Dioxane	9.47	88	895	58.106	ug/l #	31
51) 4-Methyl-2-Pentanone	10.23	43	249401	249.265	ug/l	100
52) Toluene	10.41	92	911205	123.258	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	248377	123.722	ug/l	98
57) 1,3-Dichloropropane	10.95	76	174475	54.009	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.97	63	1566	1.620	ug/l #	38
60) Dibromochloromethane	11.14	129	167094	56.266	ug/l	97
61) 1,2-Dibromoethane	11.25	107	347054	172.248	ug/l	99
65) Chlorobenzene	11.67	112	480661	59.212	ug/l	98
67) Ethyl Benzene	11.75	91	2441479	175.762	ug/l	99

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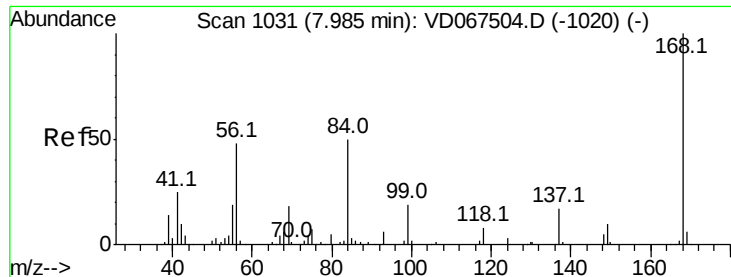
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) m/p-Xylenes	11.86	106	380500	70.409	ug/l	99
69) o-Xylene	12.18	106	352985	73.158	ug/l	100
70) Styrene	12.20	104	705651	83.931	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	150845	79.732	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	217848	168.216	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	84206	132.010	ug/l #	10
87) 1,3-Dichlorobenzene	13.52	146	939195	144.454	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	950722	144.412	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	846873	150.503	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	43533	129.961	ug/l	98
93) 1,2,4-Trichlorobenzene	15.17	180	466660	122.190	ug/l	99
95) Naphthalene	15.40	128	631697	107.179	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

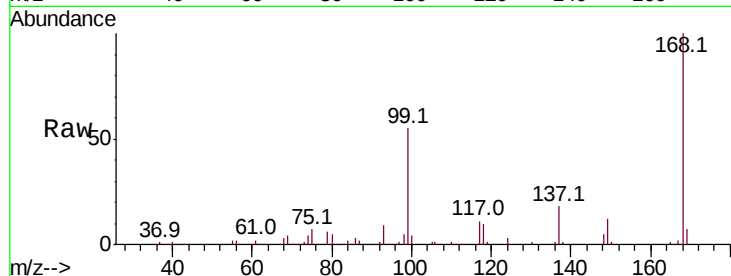
PT-VOA-SOIL

Tot Ion:168 Resp: 309952

Ion Ratio Lower Upper

168 100

99 54.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

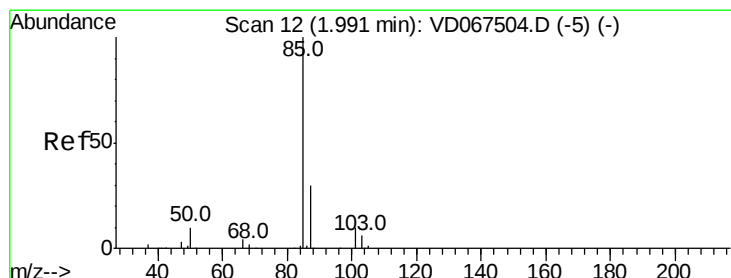
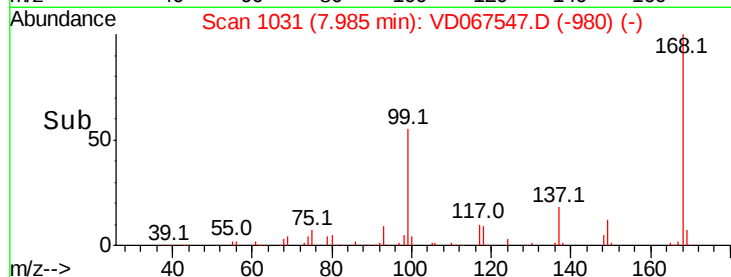
100000

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: VD067547.D

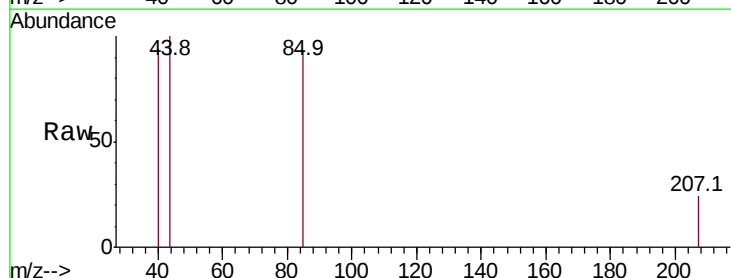
Acq: 06 Nov 2020 12:04

Tgt Ion: 85 Resp: 934

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

800

600

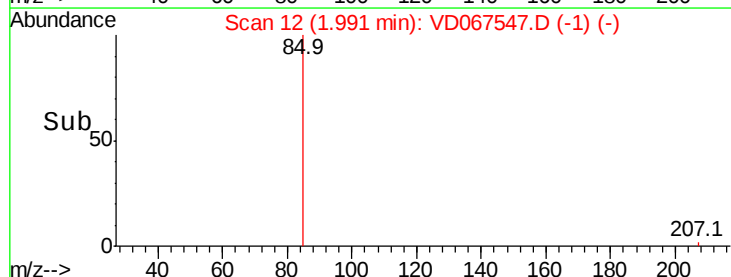
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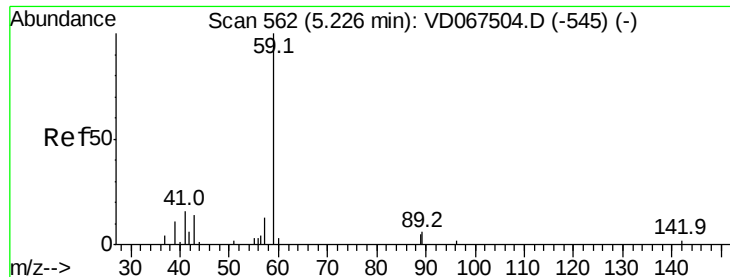
200

0

1.96 1.98 2.00 2.02

Time-->



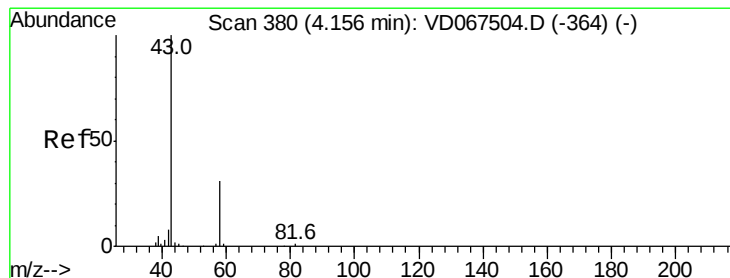
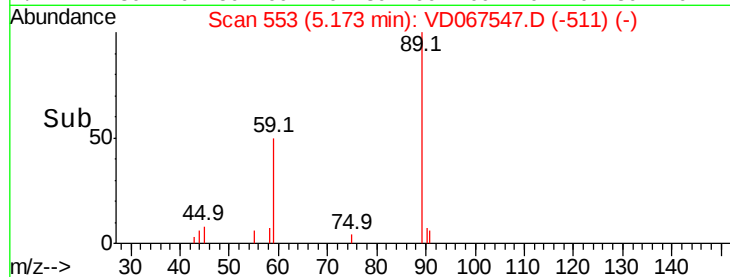
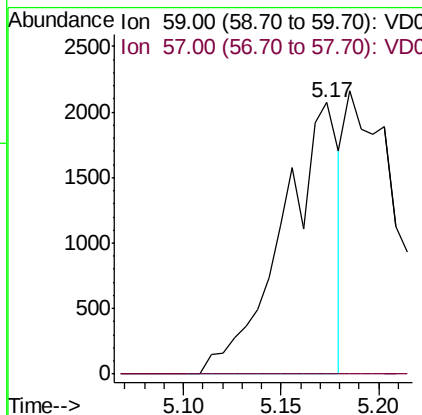
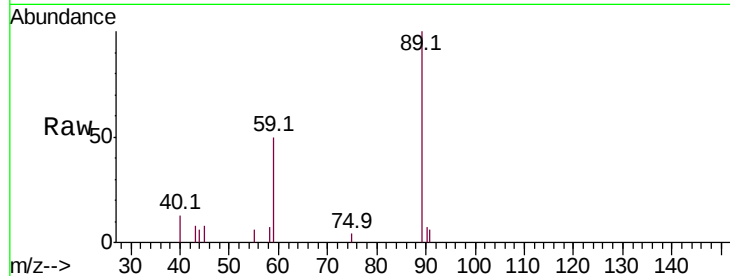


#11

Tert butyl alcohol
 Concen: 16.448 ug/l
 RT: 5.17 min Scan# 553
 Delta R.T. -0.05 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOIL

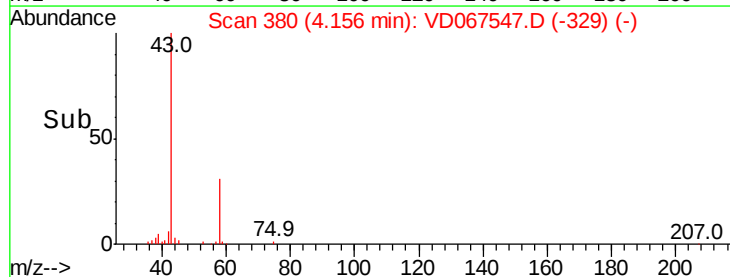
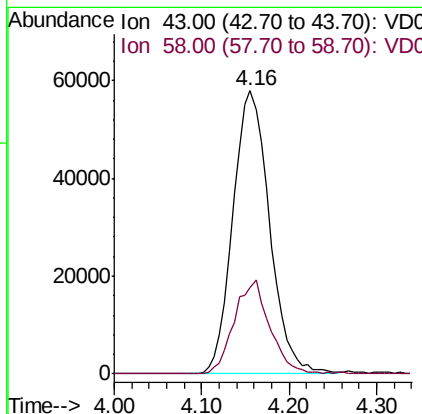
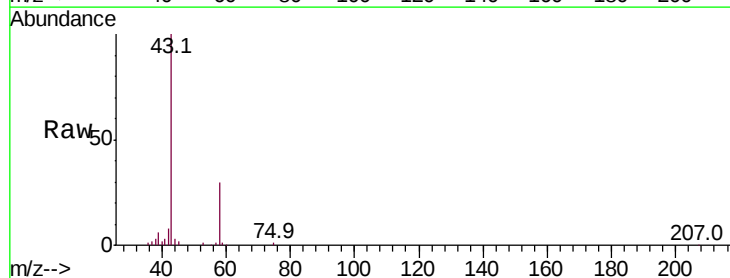
Tot Ion: 59 Resp: 4125
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

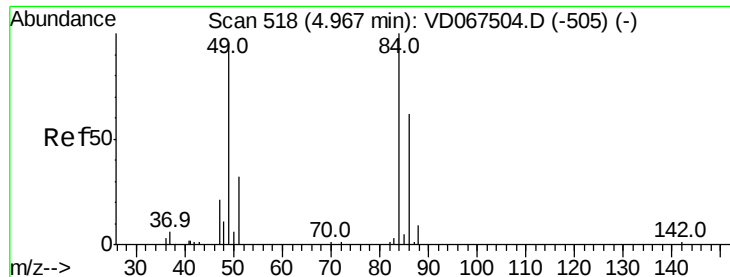


#16

Acetone
 Concen: 406.325 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

Tgt Ion: 43 Resp: 164791
 Ion Ratio Lower Upper
 43 100
 58 30.5 25.2 37.8





#20

Methylene Chloride

Concen: 73.561 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOIL

Tot Ion: 84 Resp: 210741

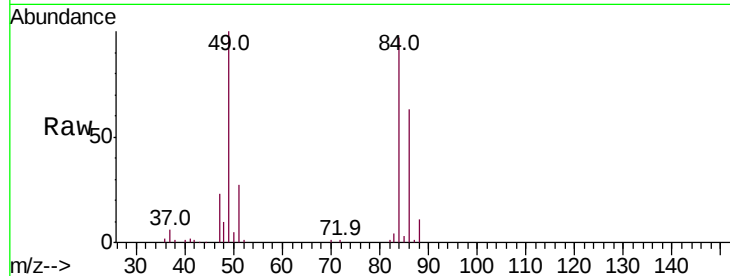
Ion Ratio Lower Upper

84 100

49 103.4 77.0 115.4

51 28.3 25.4 38.2

86 65.0 49.4 74.0

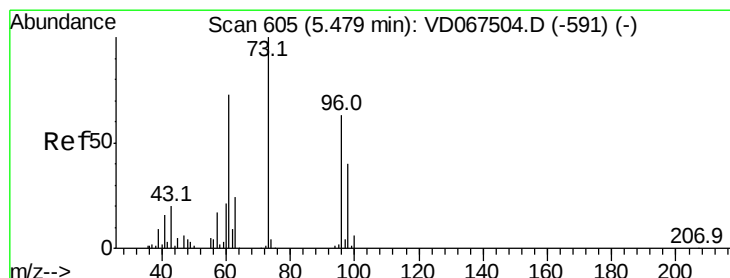
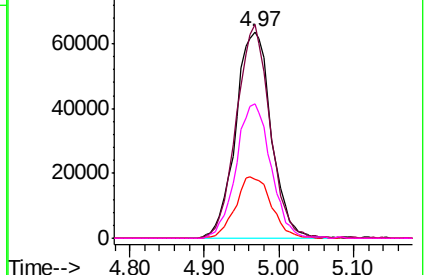
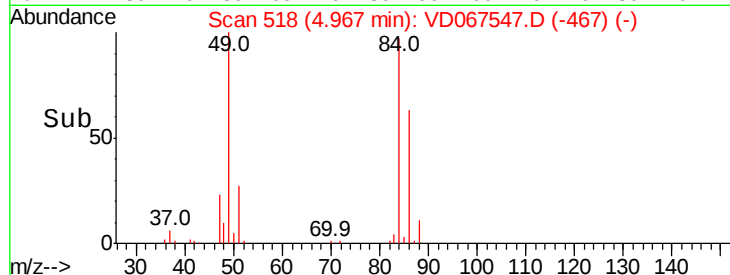


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#21

trans-1,2-Dichloroethene

Concen: 47.257 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

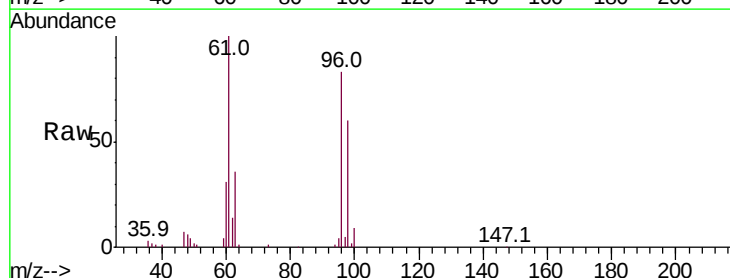
Tgt Ion: 96 Resp: 142395

Ion Ratio Lower Upper

96 100

61 120.4 93.0 139.6

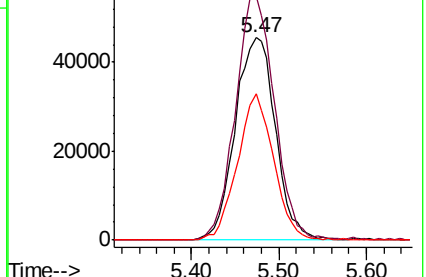
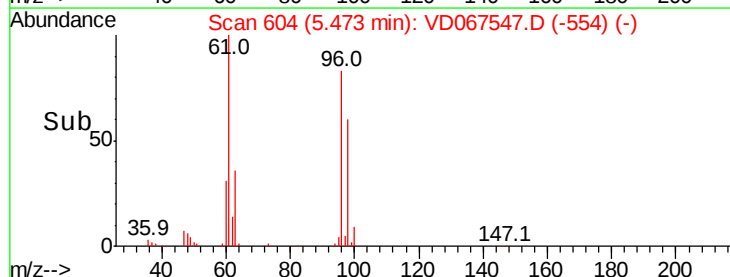
98 72.6 50.9 76.3

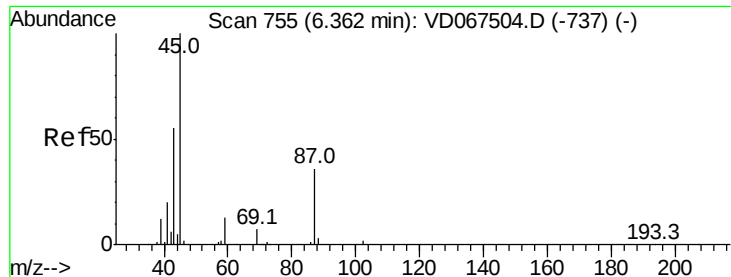


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



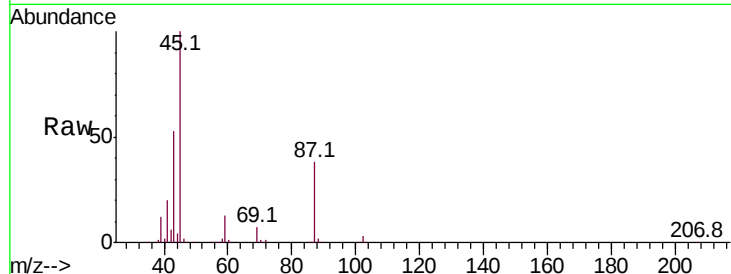


#22

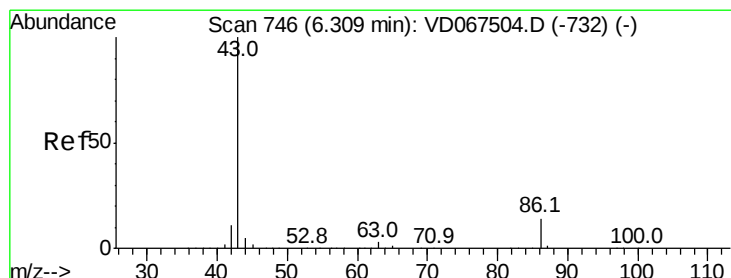
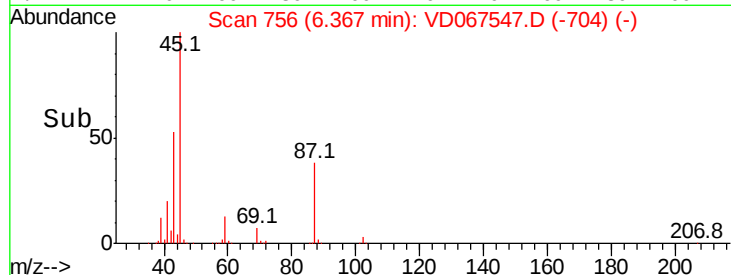
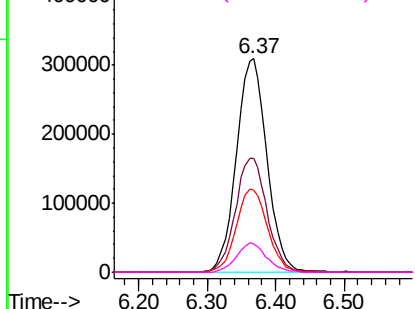
Diisopropyl ether
Concen: 177.502 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

Instrument :
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Tot Ion:	45	Resp:	957721
Ion	Ratio	Lower	Upper
45	100		
43	53.1	46.2	69.4
87	38.2	29.4	44.2
59	13.0	10.8	16.2



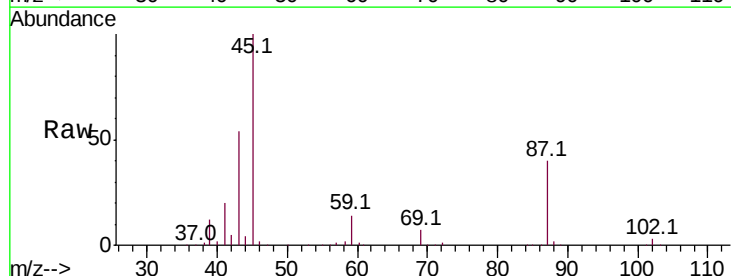
Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC



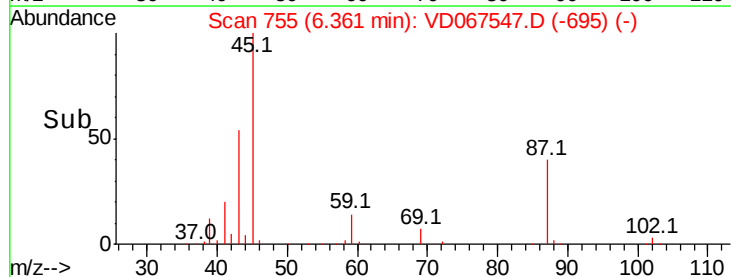
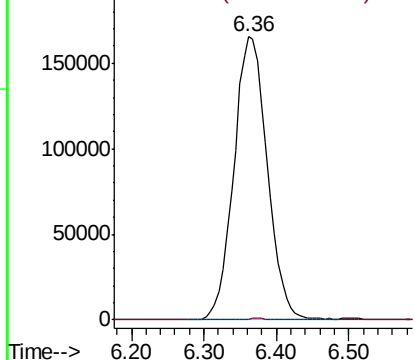
#23

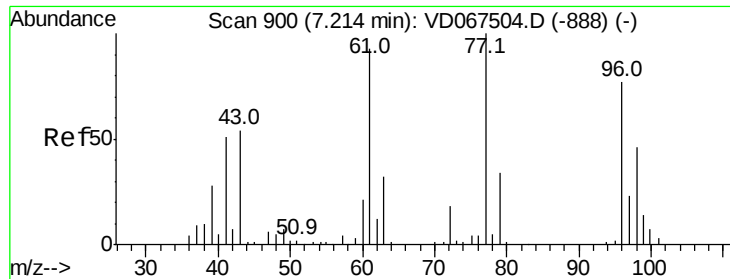
Vinyl Acetate
Concen: 187.397 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.05 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

Tgt Ion:	43	Resp:	529266
Ion	Ratio	Lower	Upper
43	100		
86	0.3	11.6	17.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC





#25

2-Butanone

Concen: 302.910 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampled :

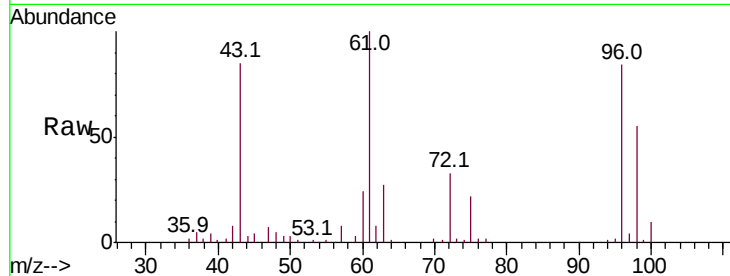
PT-VOA-SOIL

Tot Ion: 43 Resp: 131268

Ion Ratio Lower Upper

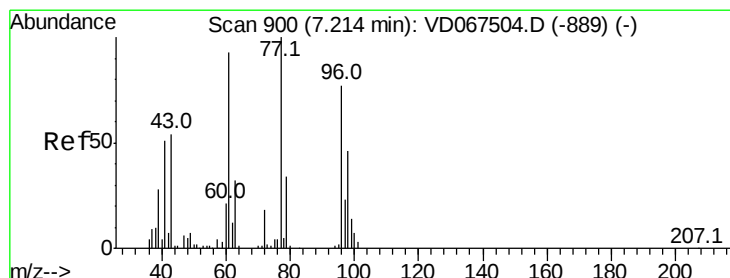
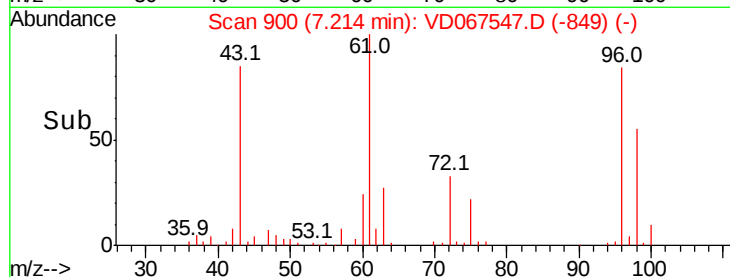
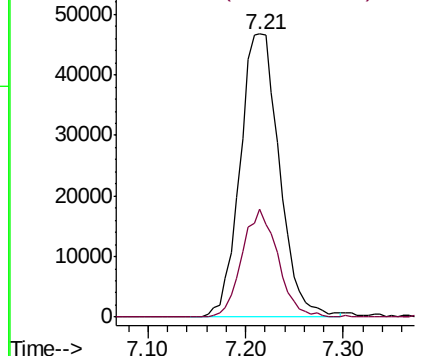
43 100

72 38.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#27

cis-1,2-Dichloroethene

Concen: 40.454 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

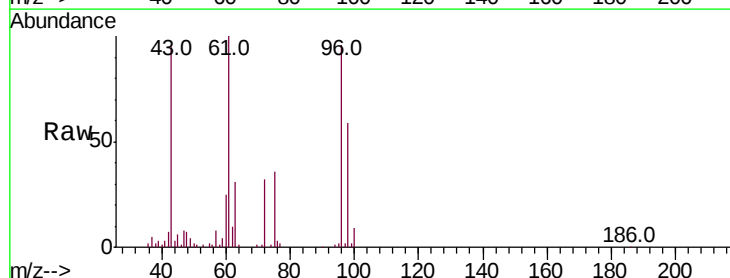
Tgt Ion: 96 Resp: 126521

Ion Ratio Lower Upper

96 100

61 112.7 0.0 251.6

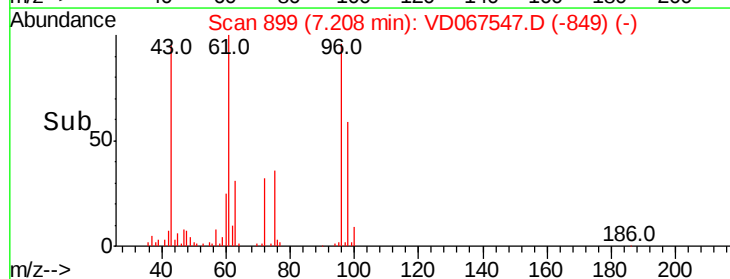
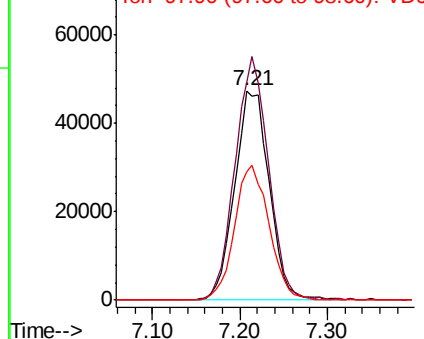
98 64.4 0.0 128.0

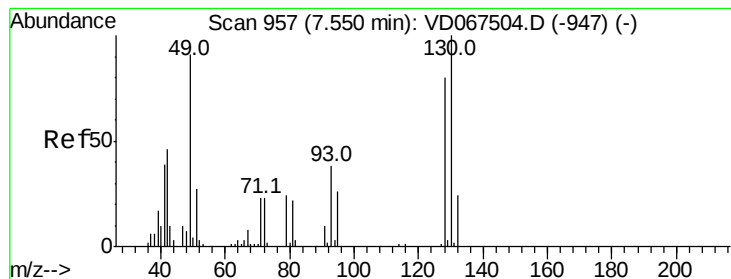


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#28

Bromochloromethane

Concen: 41.385 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.16 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOIL

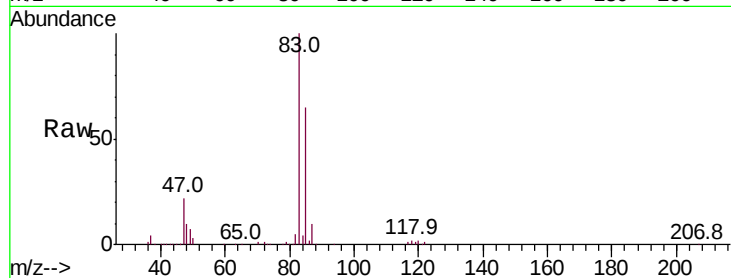
Tot Ion: 49 Resp: 64979

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

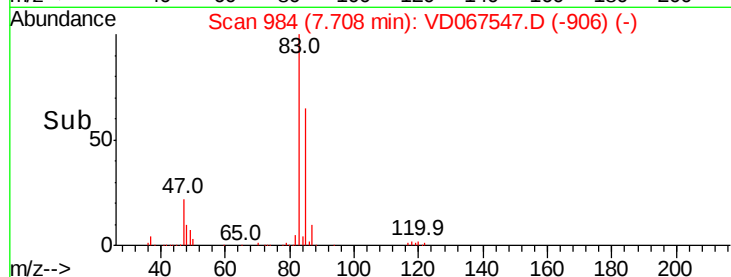
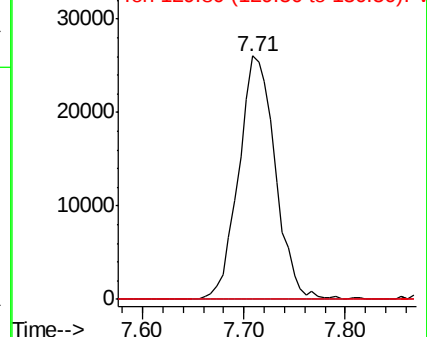
130 0.0 94.6 142.0#



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 10.255 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.14 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

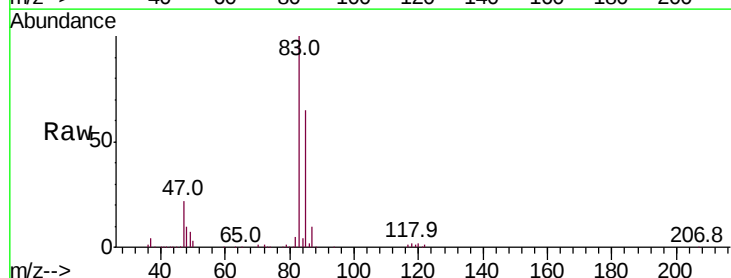
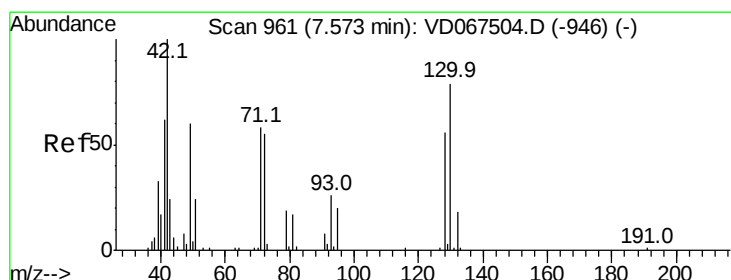
Tgt Ion: 42 Resp: 2662

Ion Ratio Lower Upper

42 100

72 277.7 46.3 69.5#

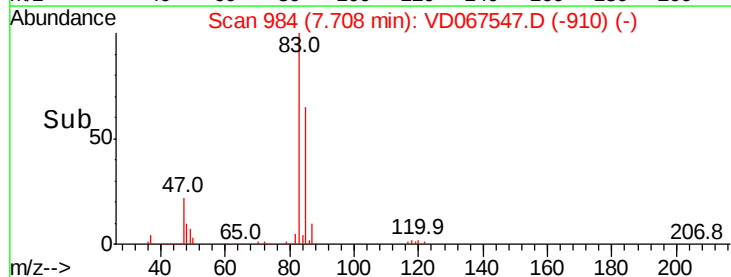
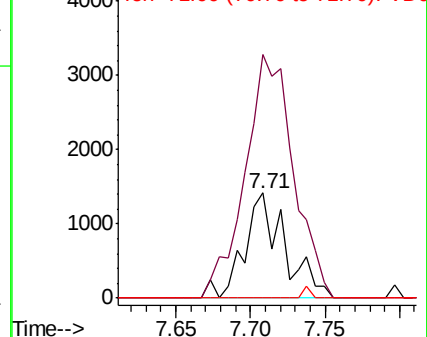
71 0.0 44.0 66.0#

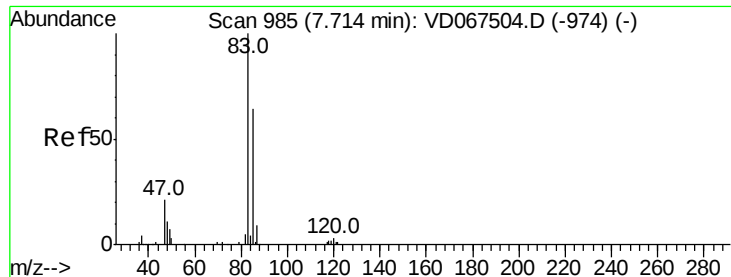


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

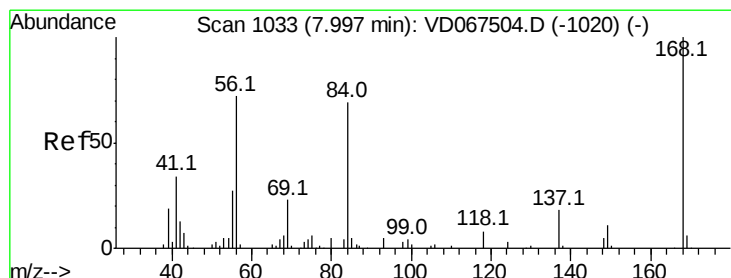
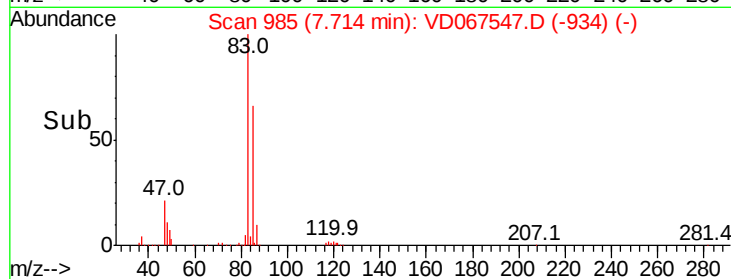
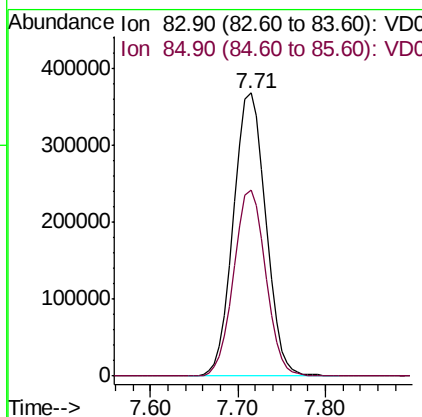
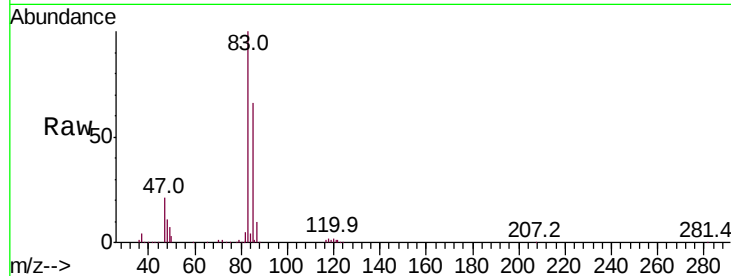




#30
Chloroform
Concen: 175.656 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

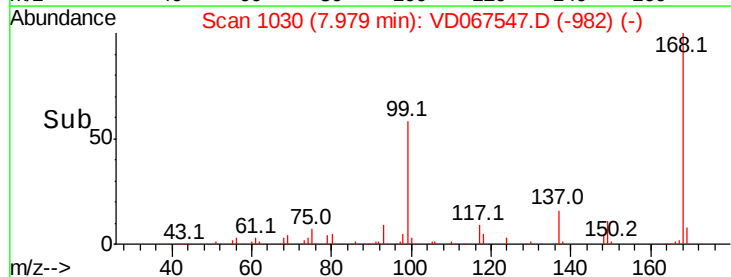
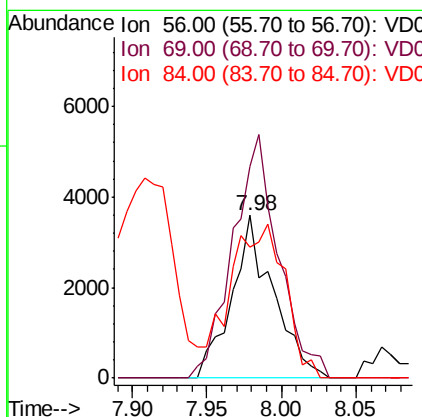
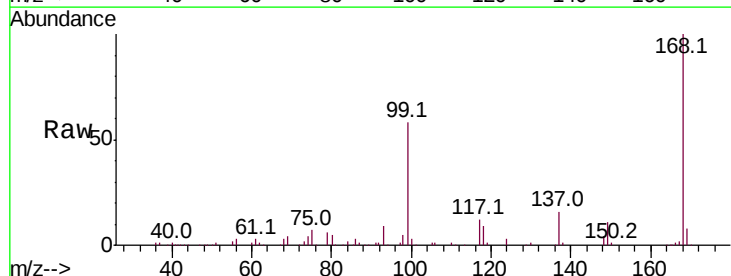
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOIL

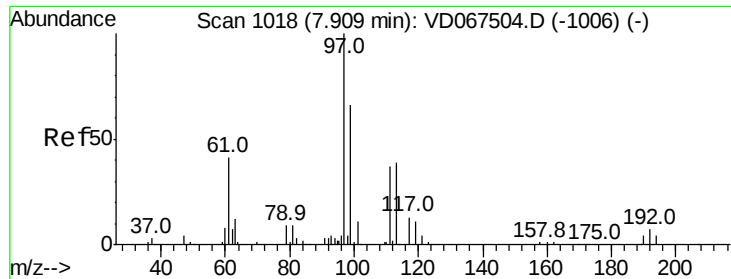
Tot Ion: 83 Resp: 924999
Ion Ratio Lower Upper
83 100
85 65.6 51.5 77.3



#31
Cyclohexane
Concen: 1.767 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

Tgt Ion: 56 Resp: 6944
Ion Ratio Lower Upper
56 100
69 129.6 25.9 38.9#
84 80.4 76.2 114.4





#32

1,1,1-Trichloroethane

Concen: 123.233 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOIL

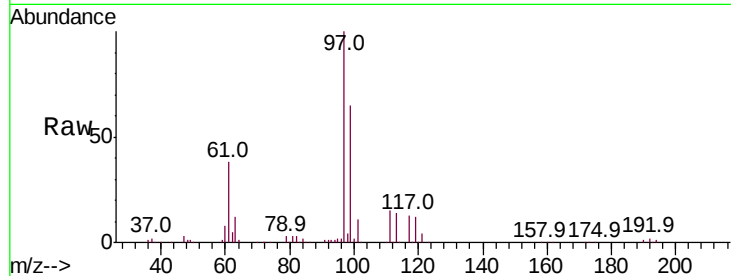
Tot Ion: 97 Resp: 669562

Ion Ratio Lower Upper

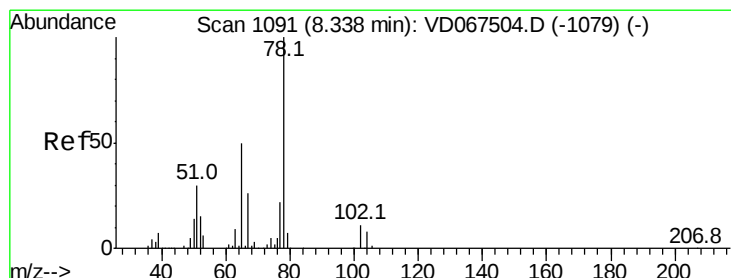
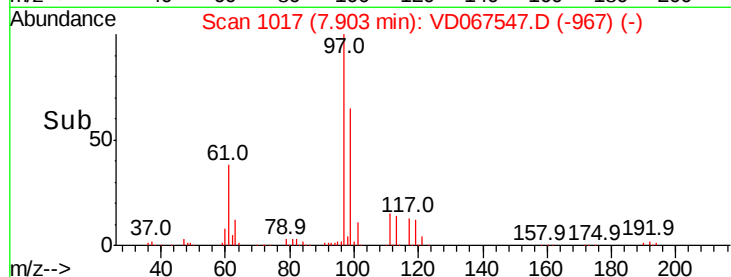
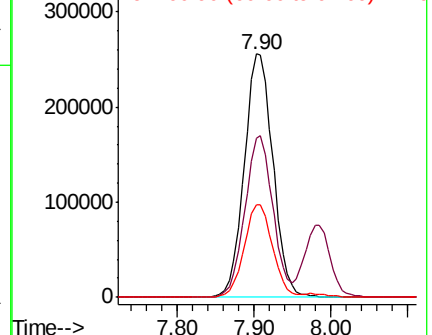
97 100

99 64.9 51.8 77.6

61 37.8 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC



#33

1,2-Dichloroethane-d4

Concen: 49.302 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067547.D

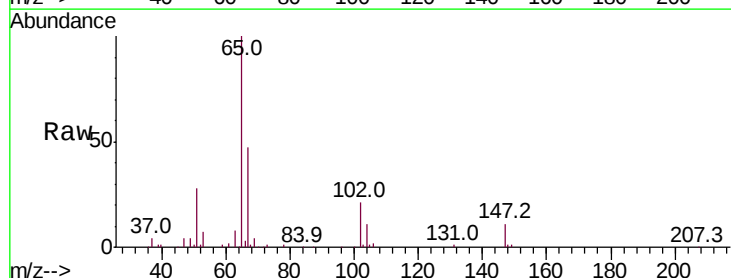
Acq: 06 Nov 2020 12:04

Tgt Ion: 65 Resp: 133618

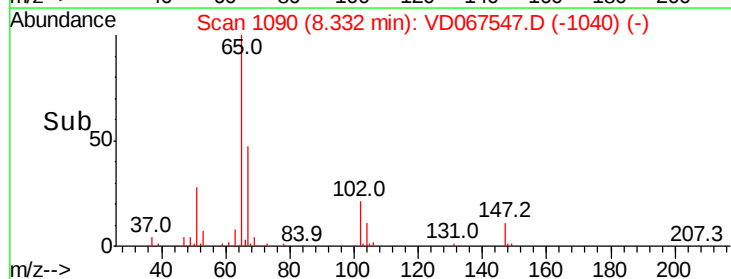
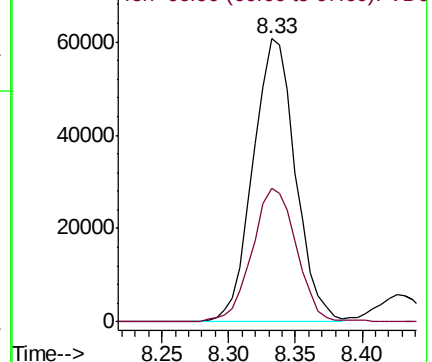
Ion Ratio Lower Upper

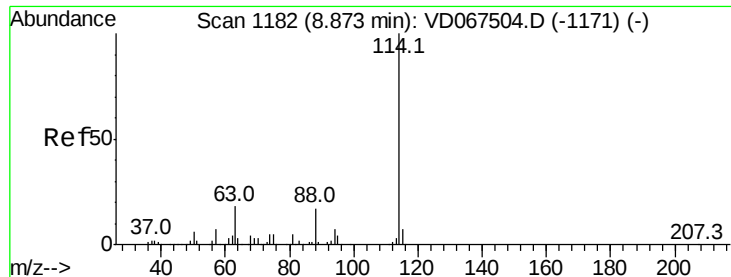
65 100

67 49.5 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOIL

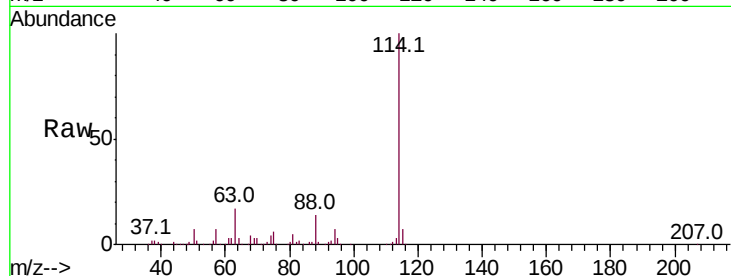
Tot Ion:114 Resp: 476014

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

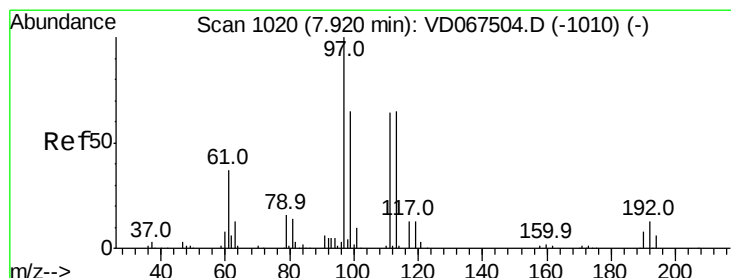
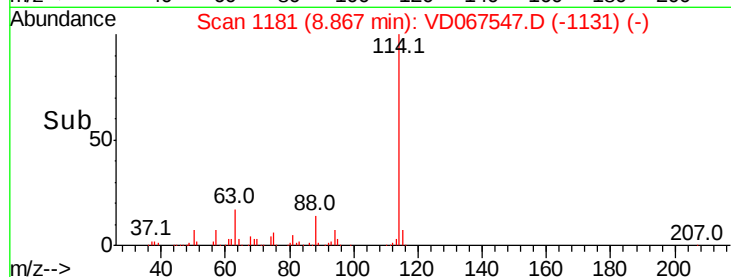
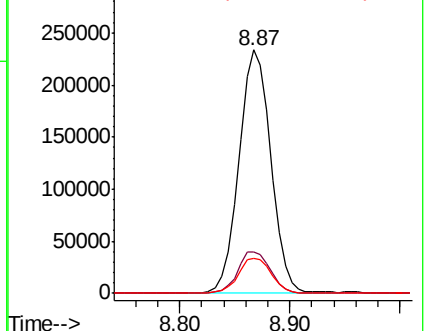
88 14.2 0.0 33.0



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: 48.329 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

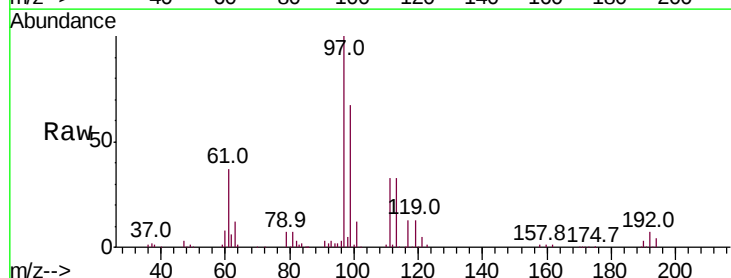
Tgt Ion:113 Resp: 138605

Ion Ratio Lower Upper

113 100

111 101.3 80.0 120.0

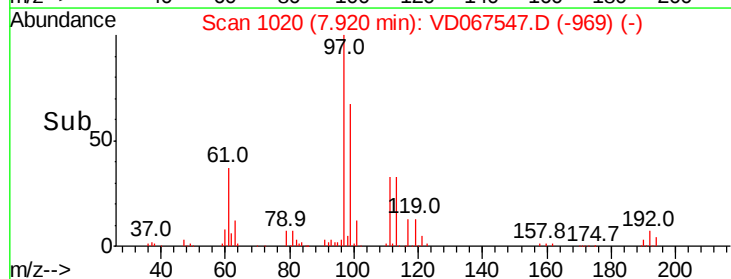
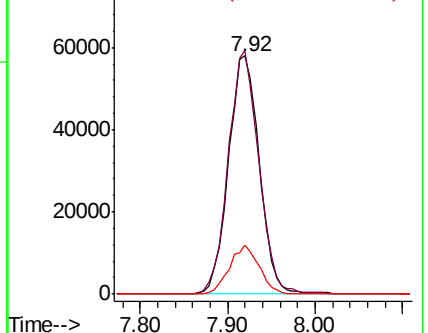
192 19.6 16.3 24.5

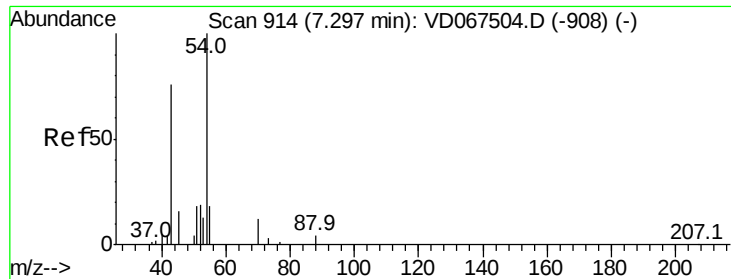


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

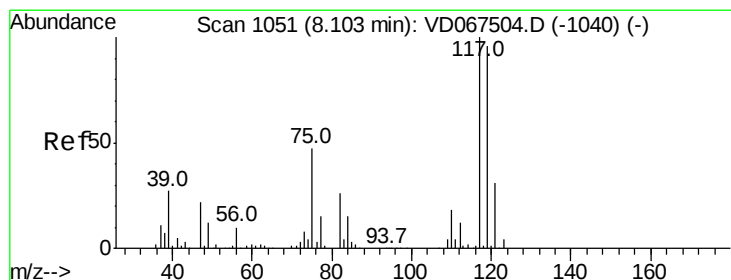
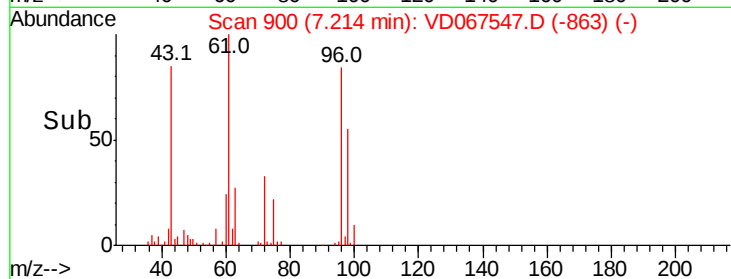
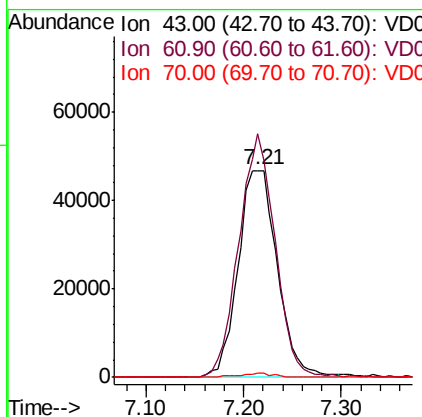
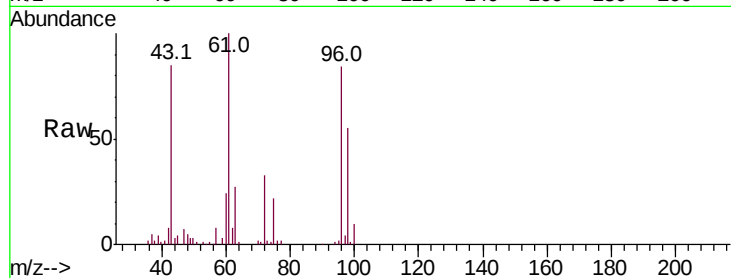




#37
Ethyl Acetate
Concen: 124.090 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.08 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

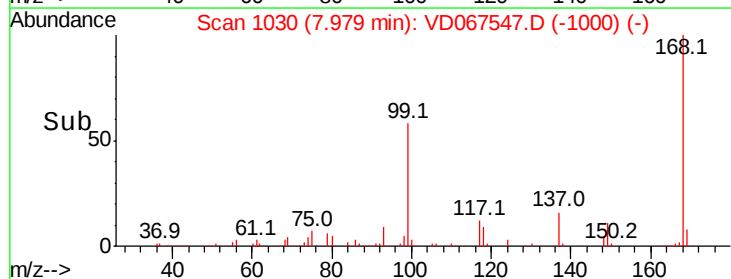
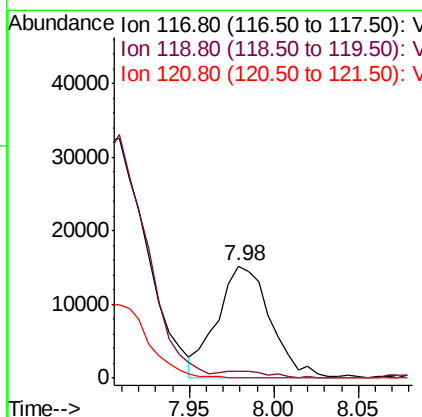
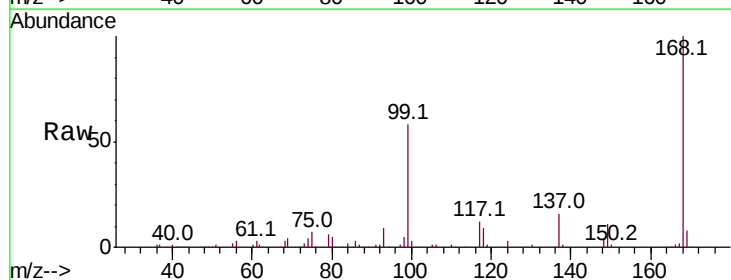
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOIL

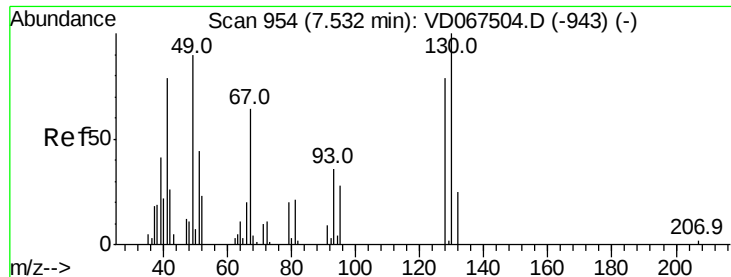
Tot Ion: 43 Resp: 131268
Ion Ratio Lower Upper
43 100
61 108.6 12.8 19.2#
70 1.7 11.7 17.5#



#38
Carbon Tetrachloride
Concen: 6.319 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

Tgt Ion: 117 Resp: 33452
Ion Ratio Lower Upper
117 100
119 5.8 76.9 115.3#
121 0.0 24.5 36.7#

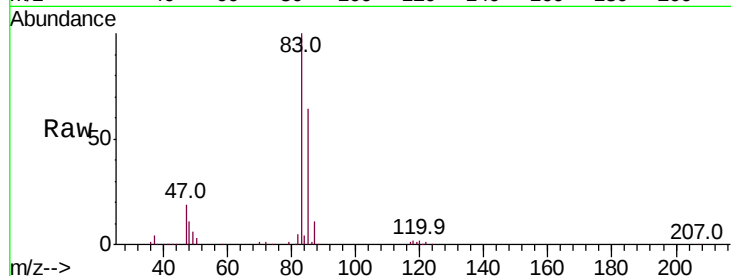




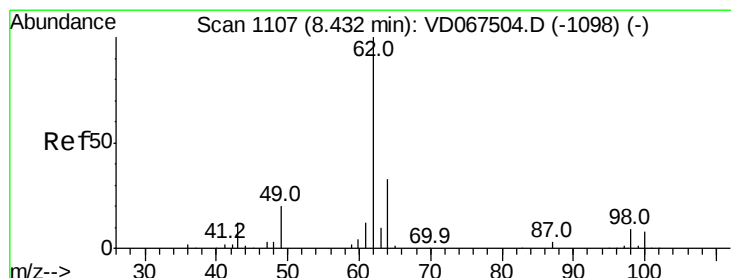
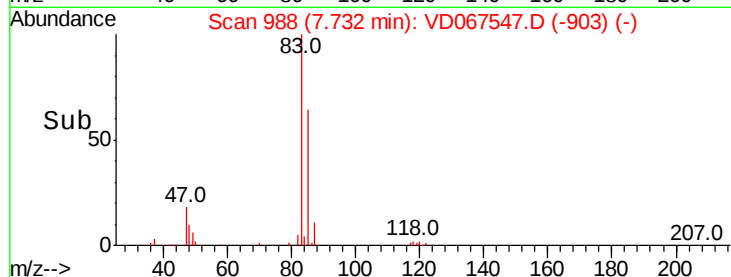
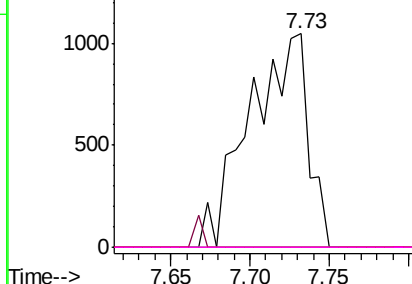
#41
Methacrylonitrile
Concen: 4.207 ug/l
RT: 7.73 min Scan# 988
Delta R.T. 0.20 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOIL

Tot Ion: 41 Resp: 2660
Ion Ratio Lower Upper
41 100
39 0.0 51.3 76.9#
67 0.0 78.9 118.3#
52 0.0 31.4 47.2#

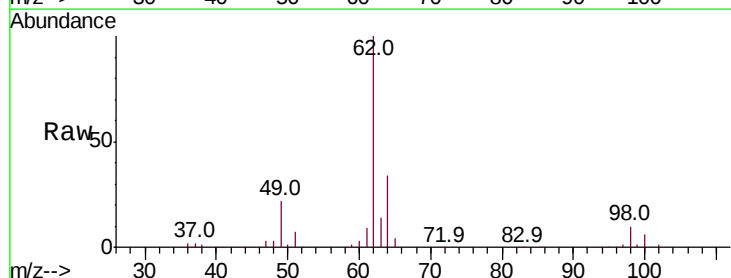


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

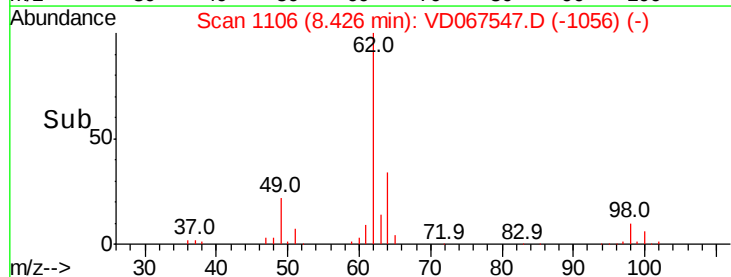
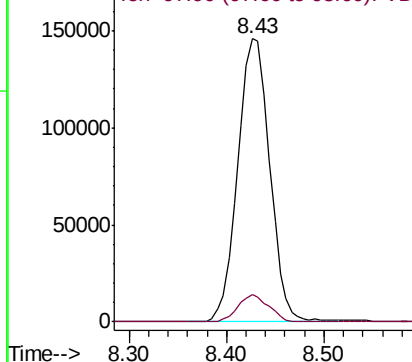


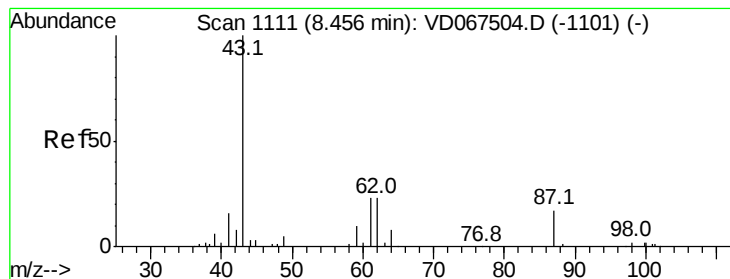
#42
1,2-Dichloroethane
Concen: 97.913 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

Tgt Ion: 62 Resp: 333896
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 61.208 ug/l

RT: 8.53 min Scan# 1124

Delta R.T. 0.08 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOIL

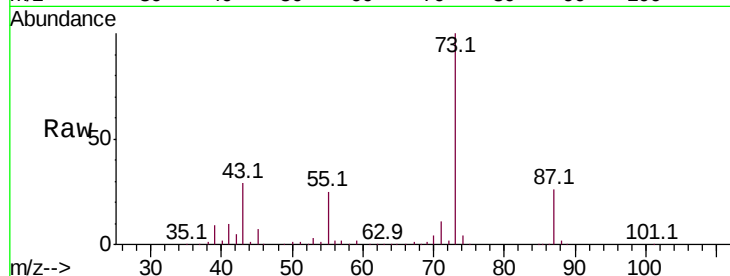
Tot Ion: 43 Resp: 128052

Ion Ratio Lower Upper

43 100

61 0.0 30.5 45.7#

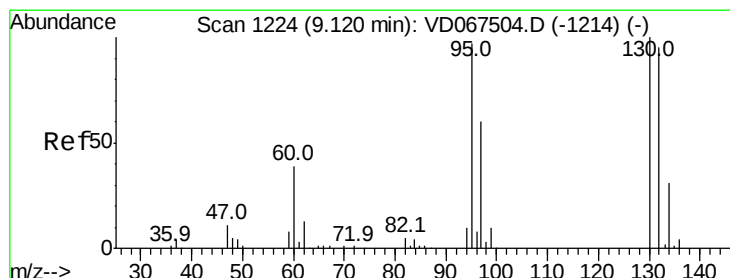
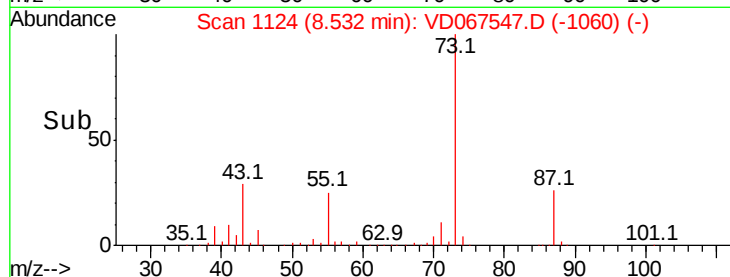
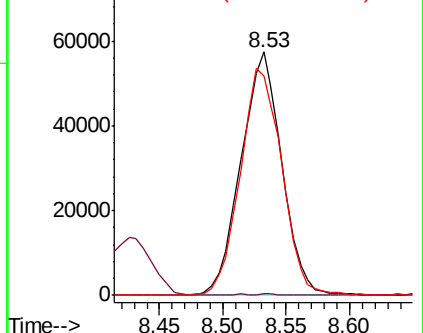
87 95.3 14.7 22.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 59.006 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067547.D

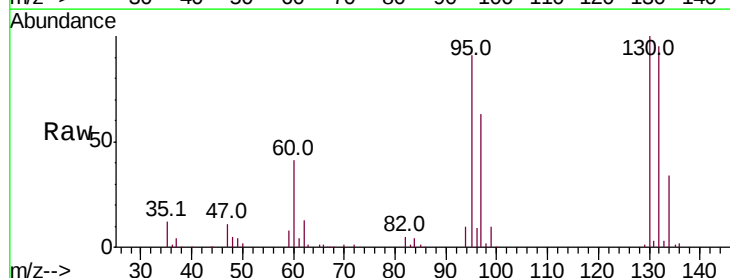
Acq: 06 Nov 2020 12:04

Tgt Ion:130 Resp: 214139

Ion Ratio Lower Upper

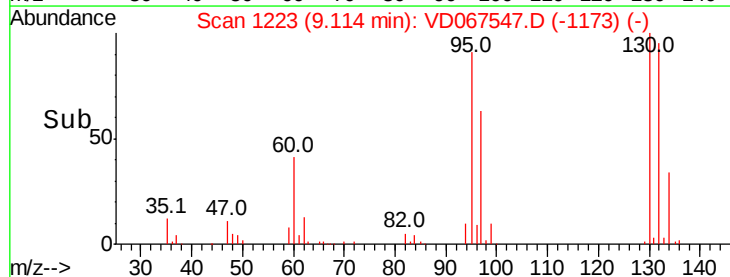
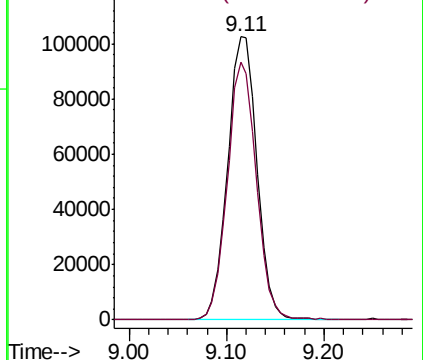
130 100

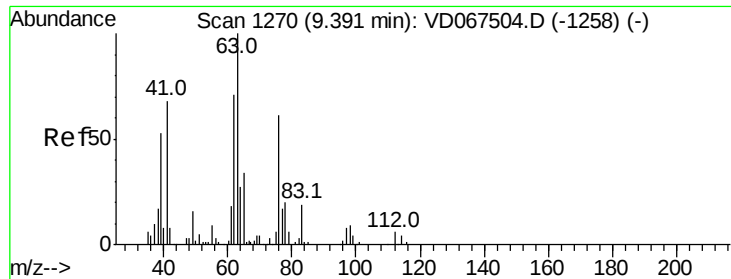
95 91.1 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

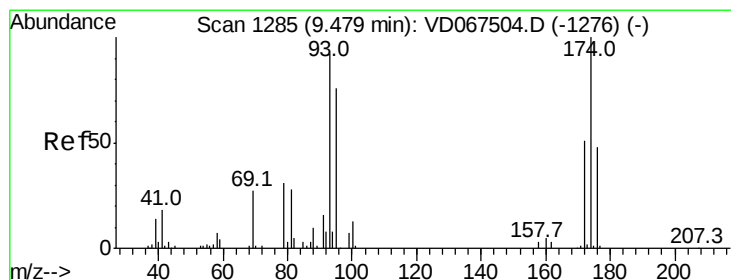
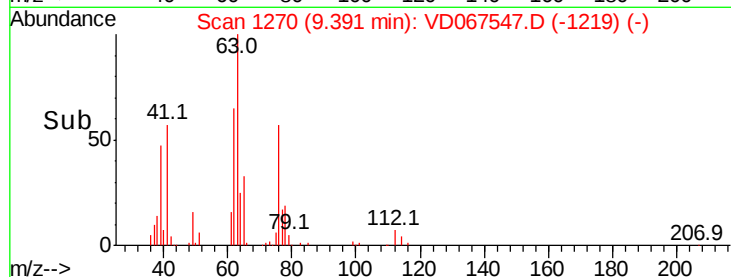
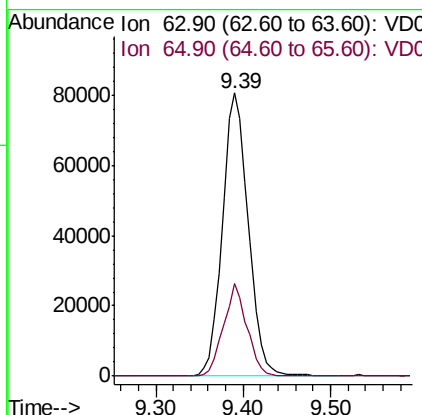
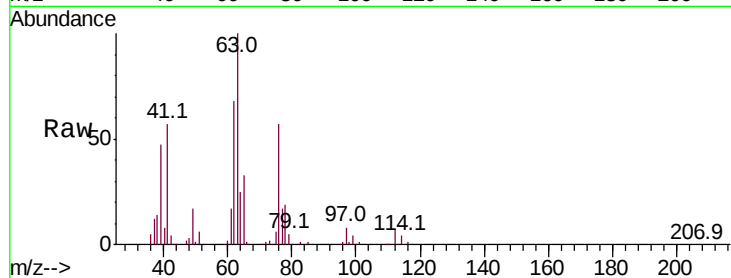




#45
 1,2-Dichloropropane
 Concen: 68.578 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

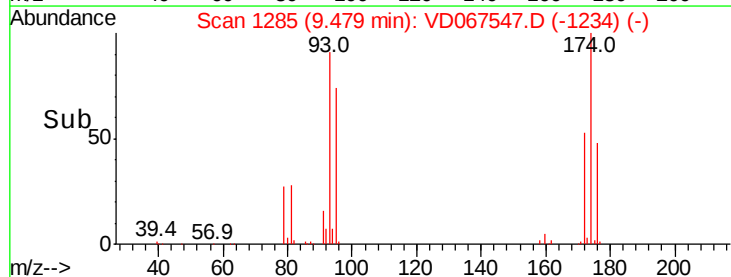
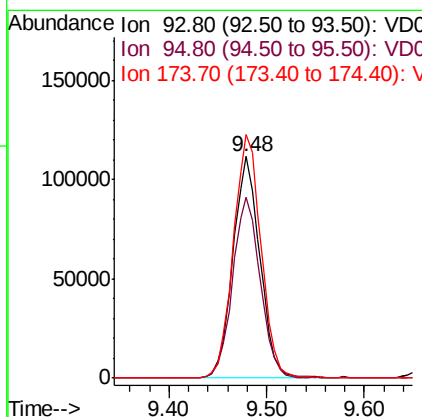
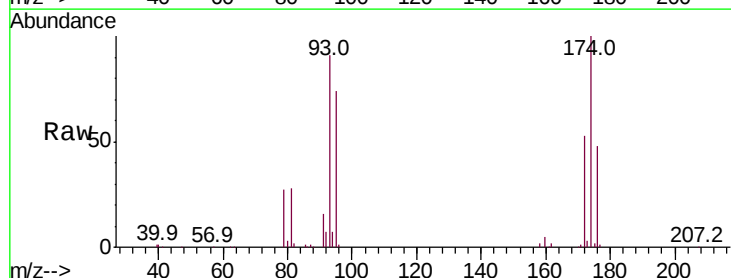
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOIL

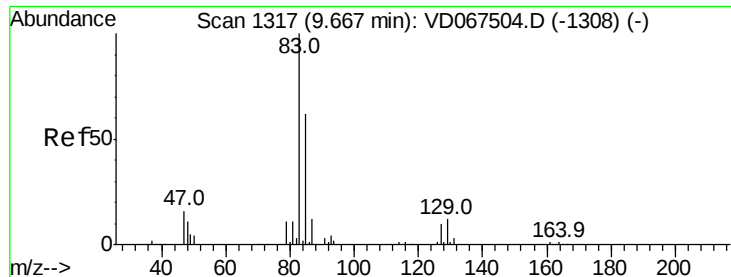
Tot Ion: 63 Resp: 163648
 Ion Ratio Lower Upper
 63 100
 65 32.7 26.9 40.3



#46
 Dibromomethane
 Concen: 141.689 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

Tgt Ion: 93 Resp: 214982
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.4 99.6
 174 112.3 88.2 132.4





#47

Bromodichloromethane

Concen: 74.397 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOIL

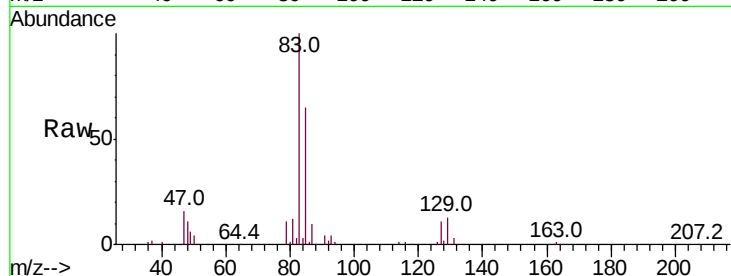
Tot Ion: 83 Resp: 306809

Ion Ratio Lower Upper

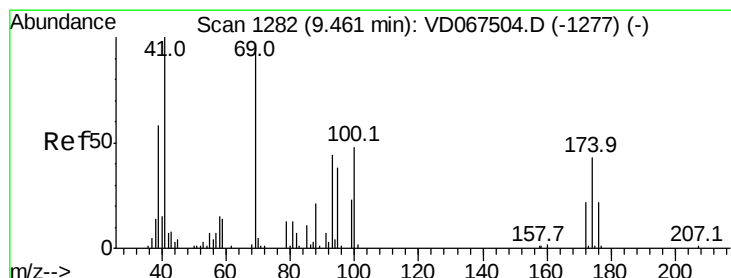
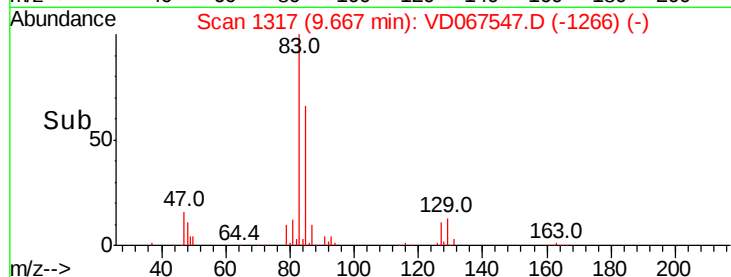
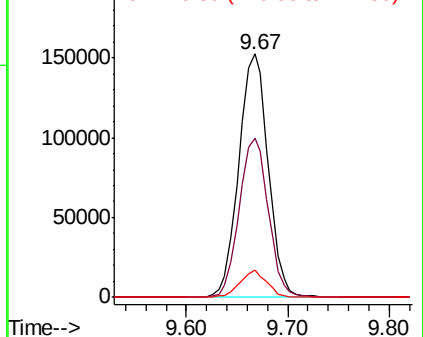
83 100

85 65.2 49.4 74.2

127 11.3 7.7 11.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 88.023 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.07 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

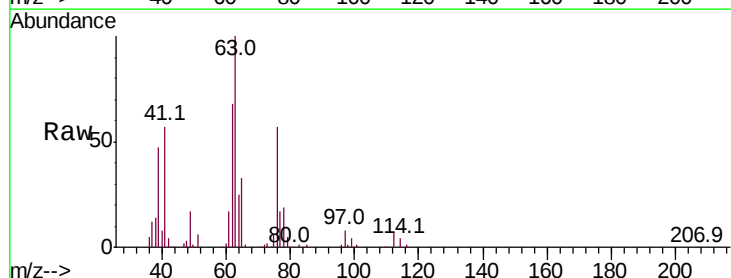
Tgt Ion: 41 Resp: 95081

Ion Ratio Lower Upper

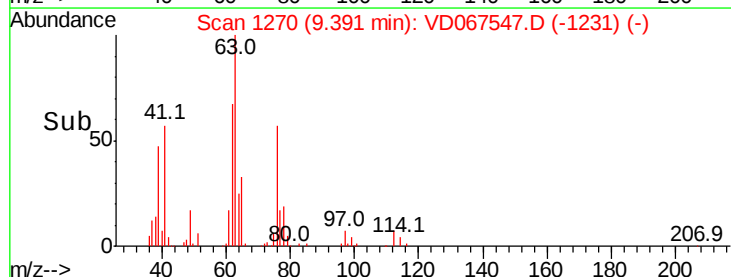
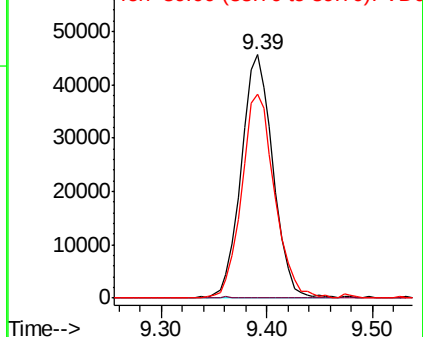
41 100

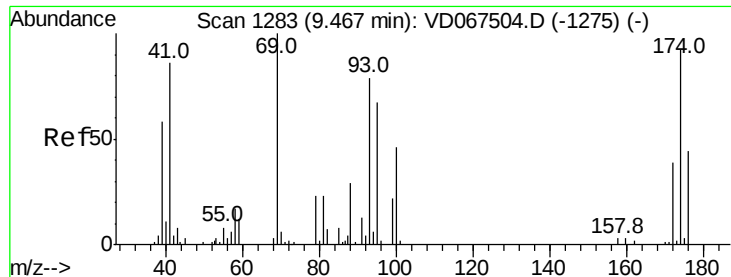
69 0.0 80.6 121.0#

39 87.0 50.2 75.4#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 58.106 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOIL

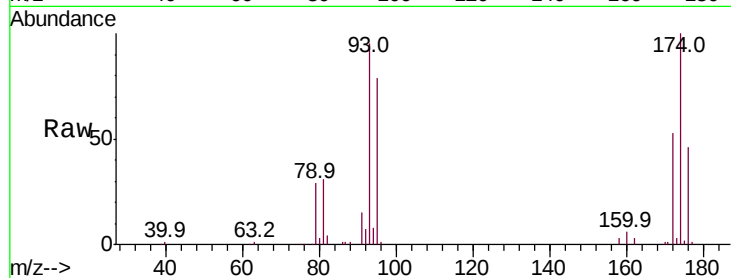
Tot Ion: 88 Resp: 895

Ion Ratio Lower Upper

88 100

43 0.0 23.6 35.4#

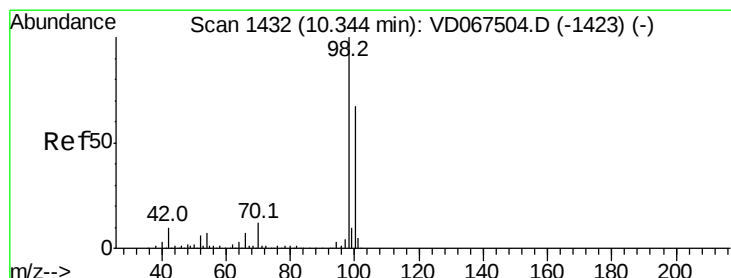
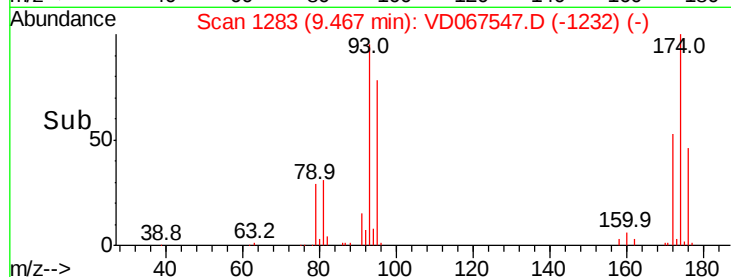
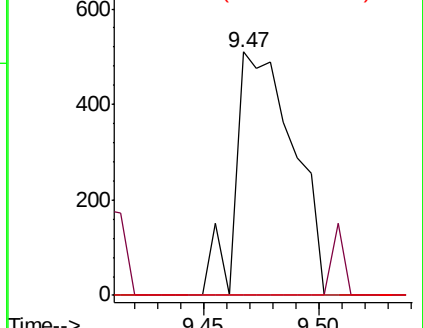
58 0.0 44.7 67.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 47.440 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067547.D

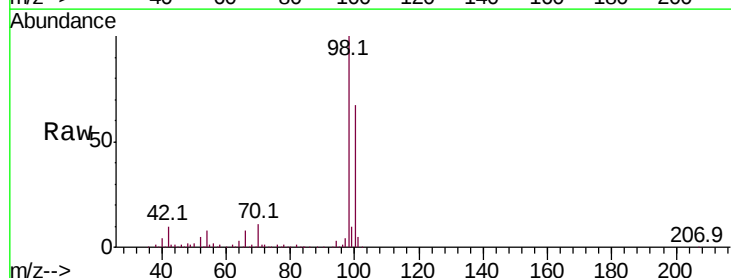
Acq: 06 Nov 2020 12:04

Tgt Ion: 98 Resp: 478135

Ion Ratio Lower Upper

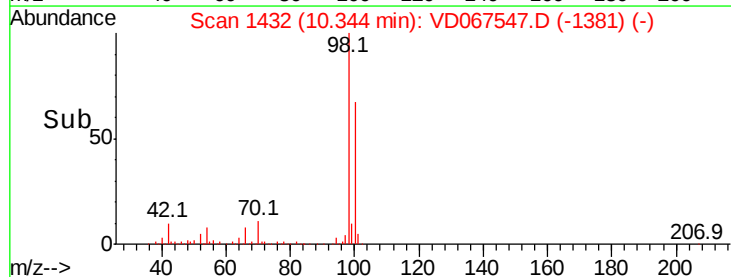
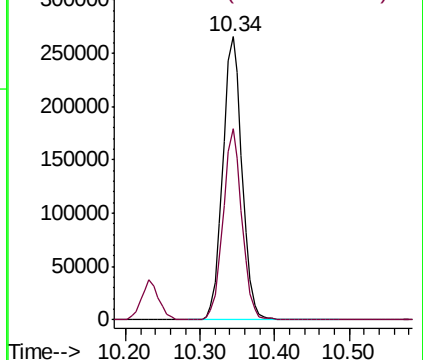
98 100

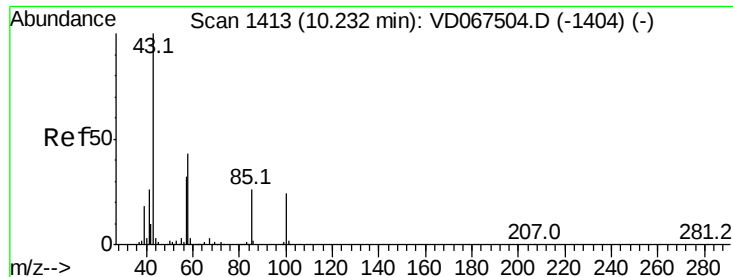
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 249.265 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

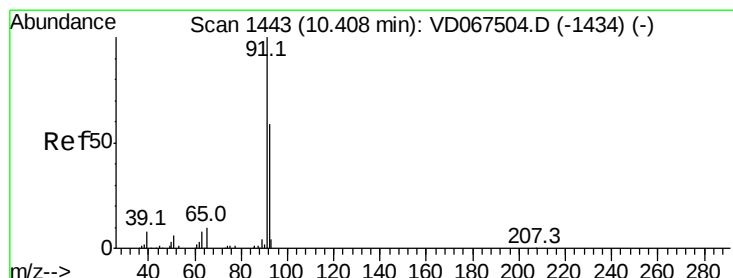
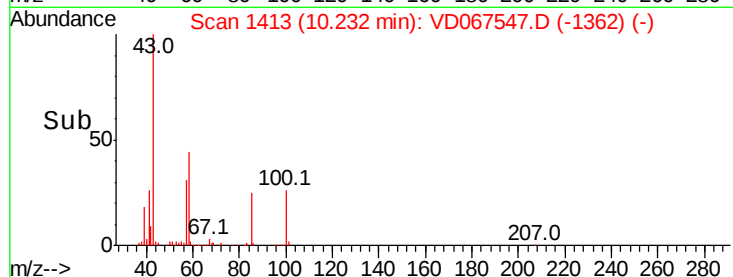
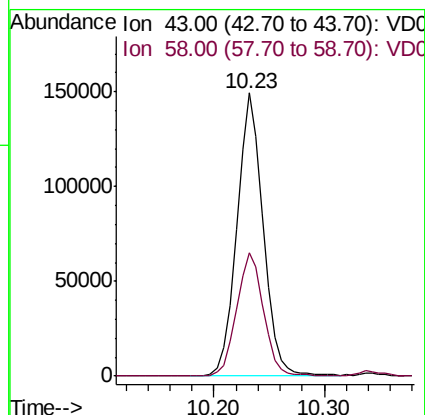
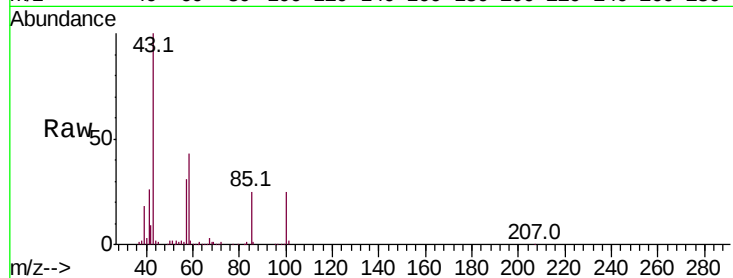
PT-VOA-SOIL

Tot Ion: 43 Resp: 249401

Ion Ratio Lower Upper

43 100

58 44.4 35.6 53.4



#52

Toluene

Concen: 123.258 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067547.D

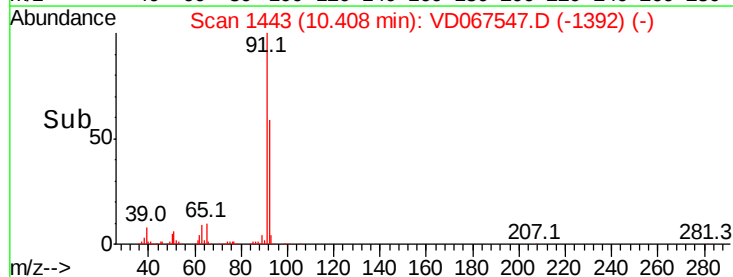
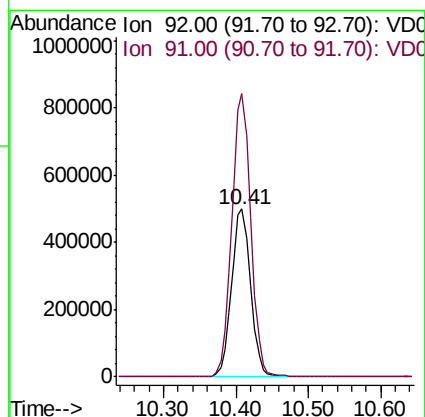
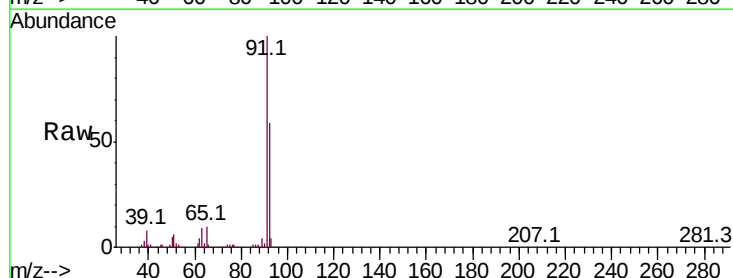
Acq: 06 Nov 2020 12:04

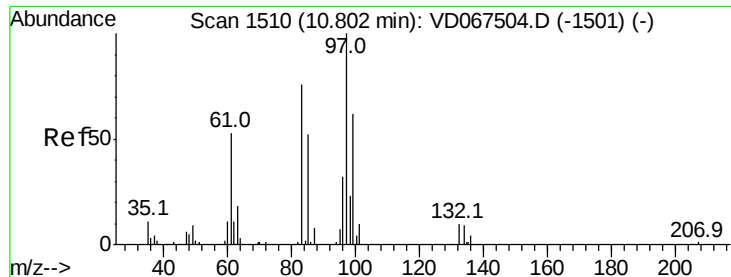
Tgt Ion: 92 Resp: 911205

Ion Ratio Lower Upper

92 100

91 168.6 137.0 205.6

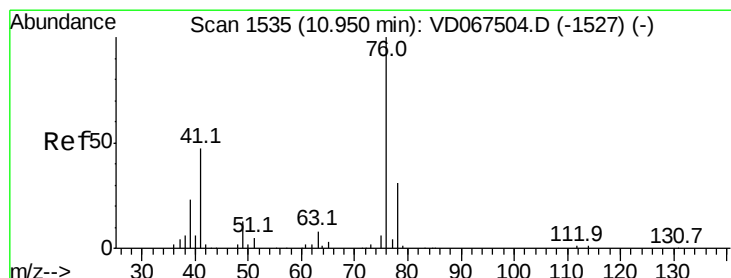
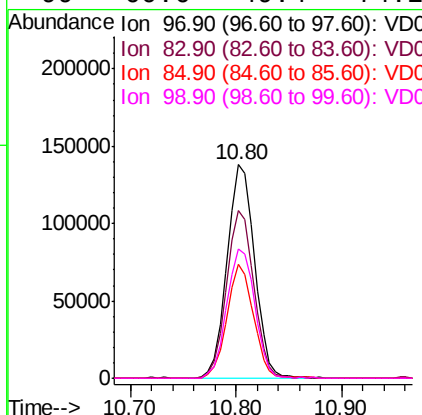
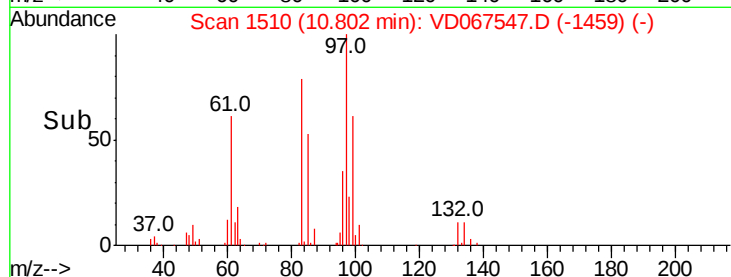
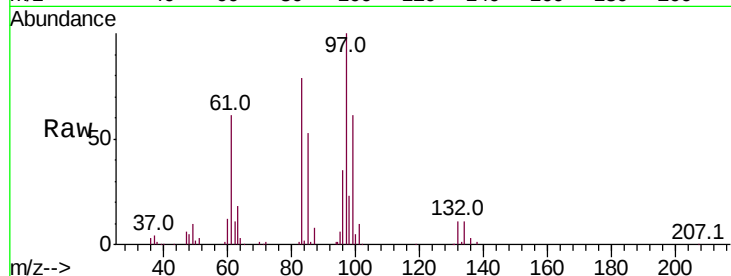




#55
 1,1,2-Trichloroethane
 Concen: 123.722 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

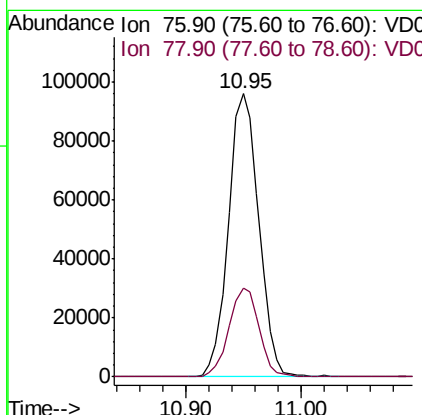
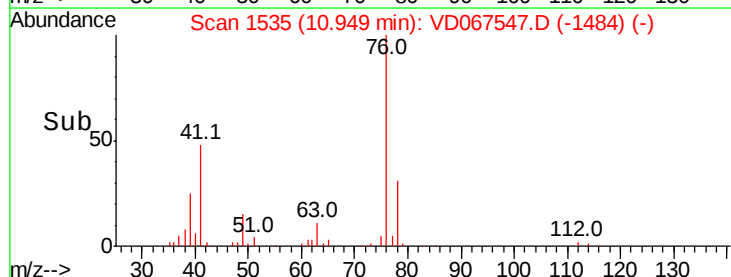
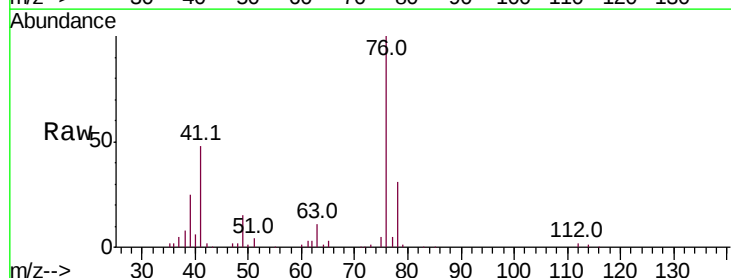
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOIL

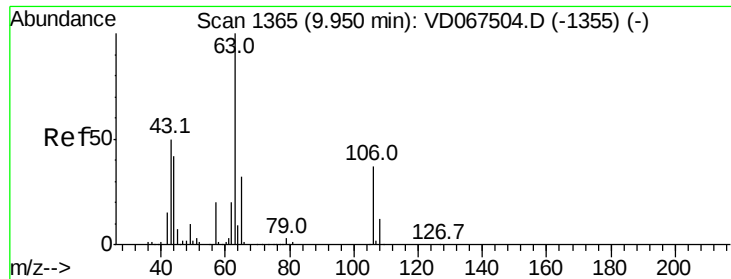
Tot Ion	Ratio	Lower	Upper
97	100		
83	78.6	61.0	91.6
85	53.1	41.5	62.3
99	60.6	49.4	74.2



#57
 1,3-Dichloropropane
 Concen: 54.009 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.1	39.1

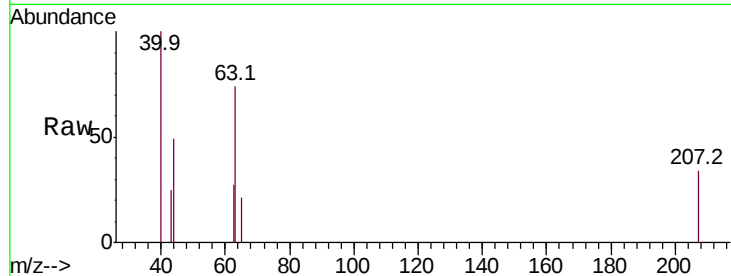




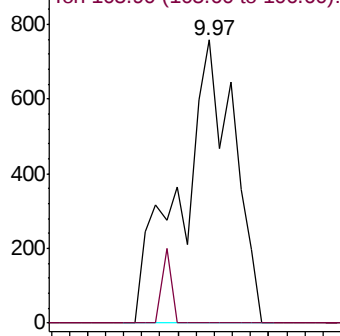
#58
 2-Chloroethyl Vinyl ether
 Concen: 1.620 ug/l
 RT: 9.97 min Scan# 1368
 Delta R.T. 0.02 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOIL

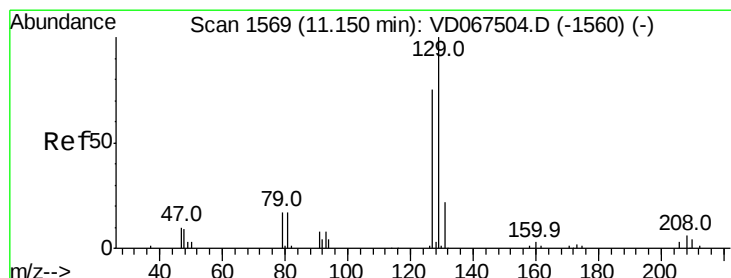
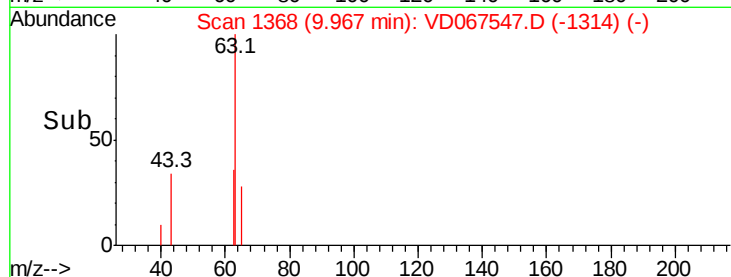
Tot Ion: 63 Resp: 1566
 Ion Ratio Lower Upper
 63 100
 106 0.0 29.2 43.8#



Abundance Ion 62.90 (62.60 to 63.60): V
 Ion 105.90 (105.60 to 106.60): V

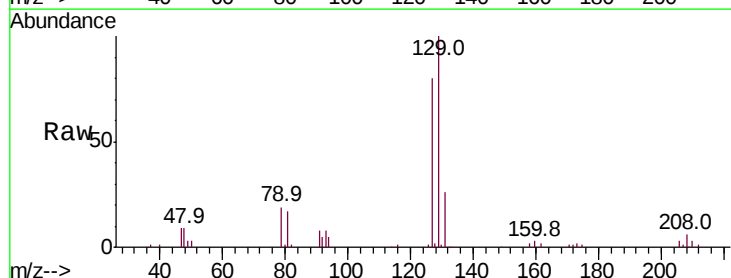


Time-->

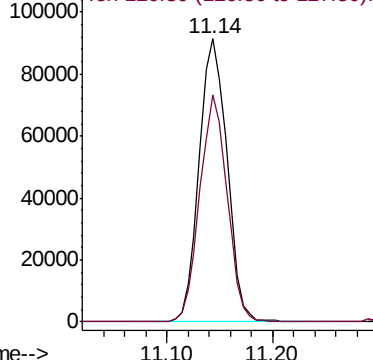


#60
 Dibromochloromethane
 Concen: 56.266 ug/l
 RT: 11.14 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

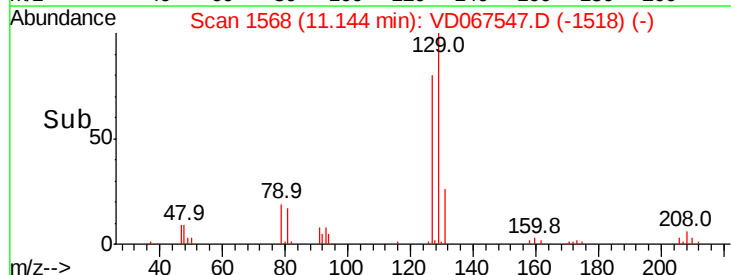
Tgt Ion:129 Resp: 167094
 Ion Ratio Lower Upper
 129 100
 127 78.6 38.0 114.1

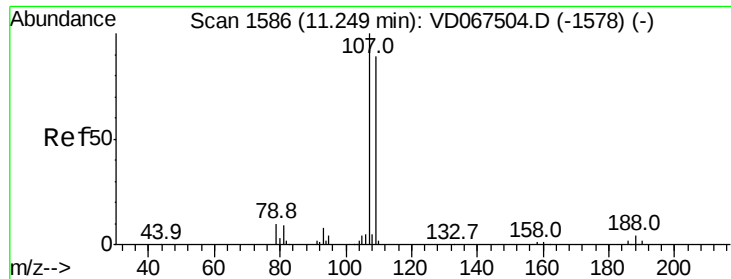


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V



Time-->

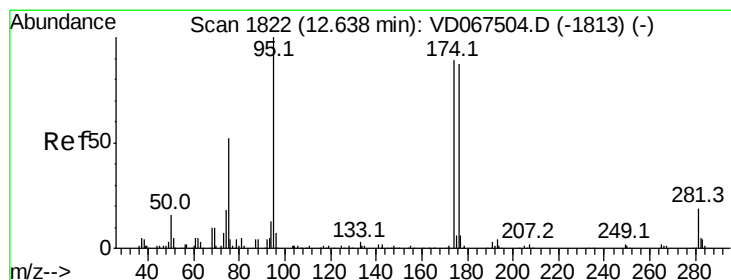
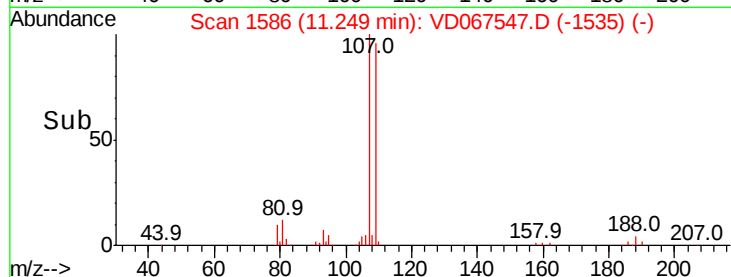
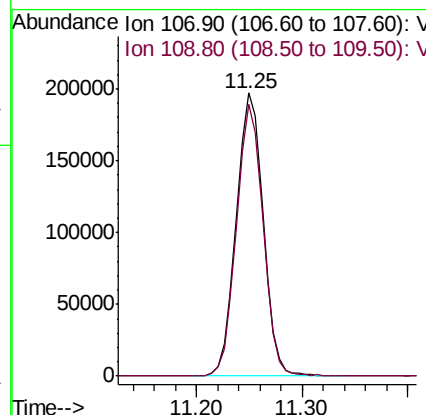
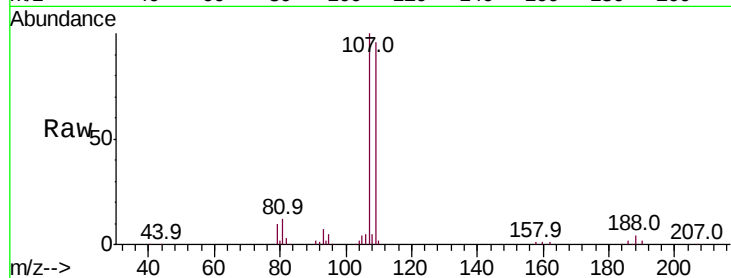




#61
 1,2-Dibromoethane
 Concen: 172.248 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

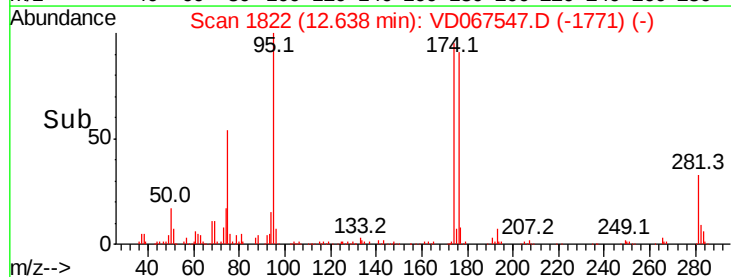
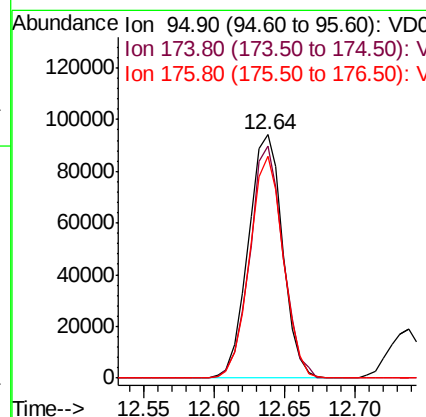
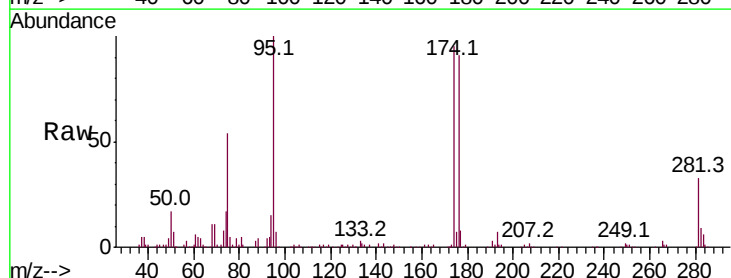
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOIL

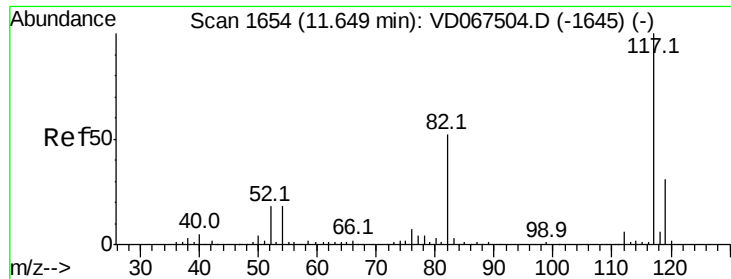
Tot Ion:107 Resp: 347054
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 46.133 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

Tgt Ion: 95 Resp: 160526
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 177.8
 176 89.5 0.0 172.0

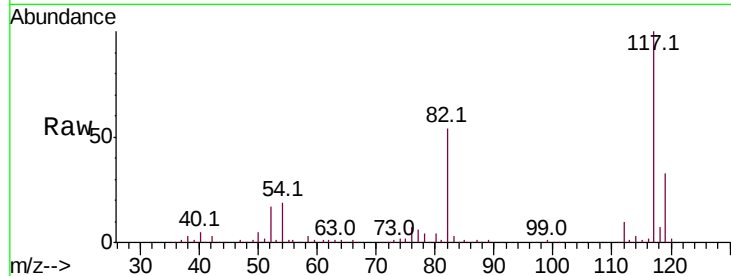




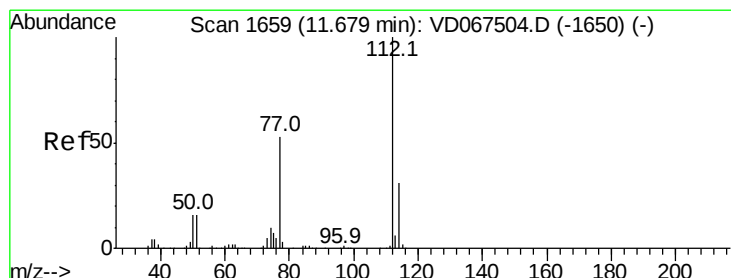
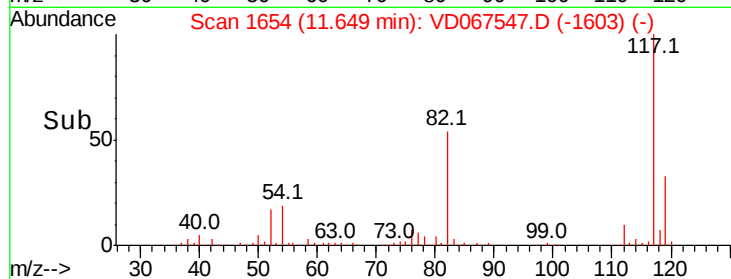
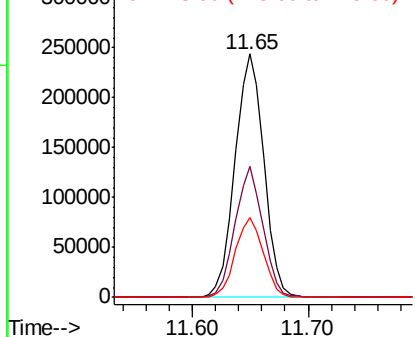
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOIL

Tot Ion:117 Resp: 421414
Ion Ratio Lower Upper
117 100
82 53.6 41.6 62.4
119 32.9 25.1 37.7

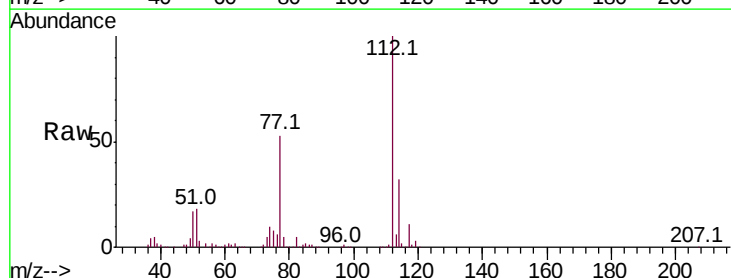


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

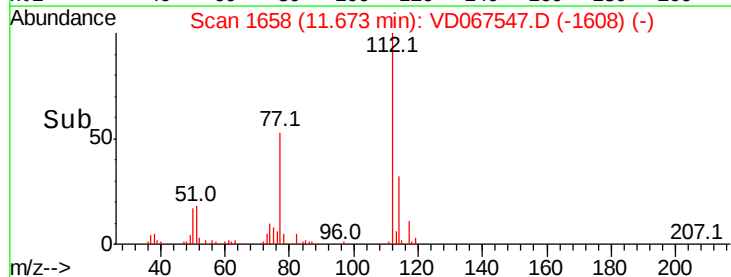
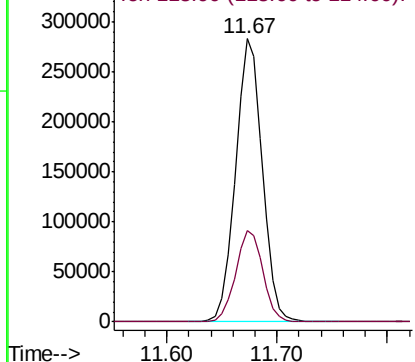


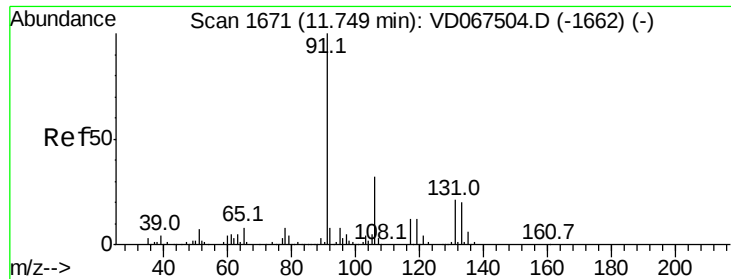
#65
Chlorobenzene
Concen: 59.212 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

Tgt Ion:112 Resp: 480661
Ion Ratio Lower Upper
112 100
114 32.4 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 175.762 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

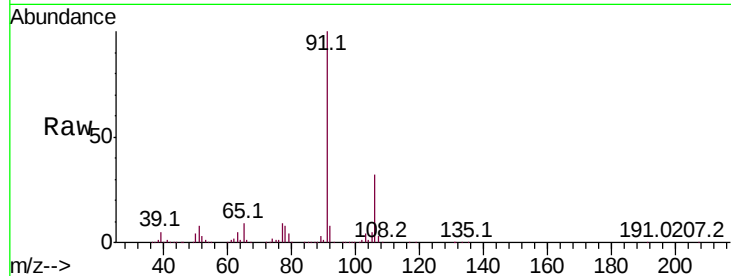
PT-VOA-SOIL

Tot Ion: 91 Resp: 2441479

Ion Ratio Lower Upper

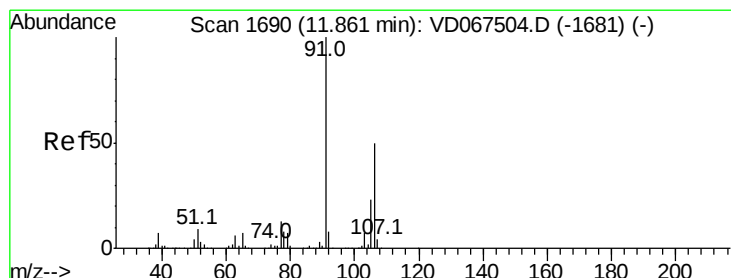
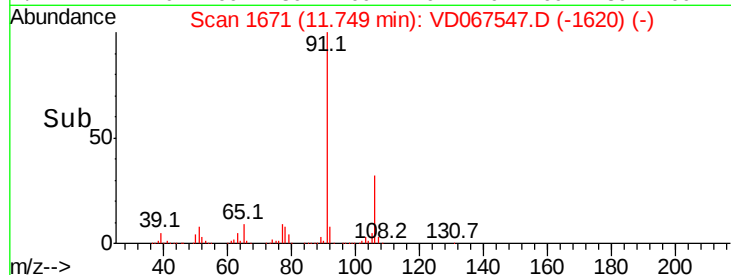
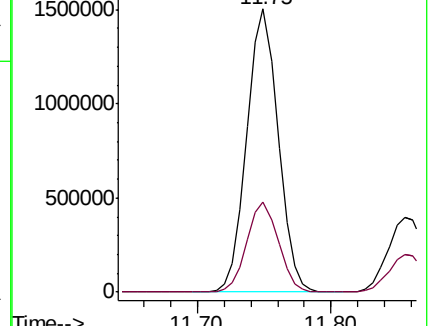
91 100

106 31.8 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 70.409 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067547.D

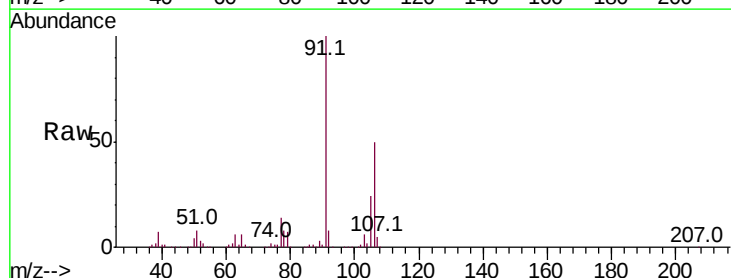
Acq: 06 Nov 2020 12:04

Tgt Ion: 106 Resp: 380500

Ion Ratio Lower Upper

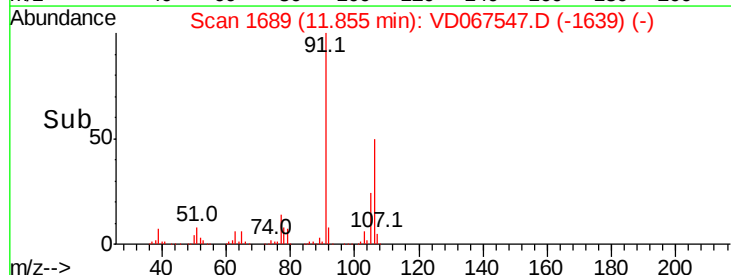
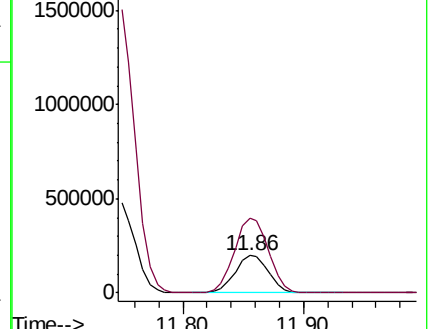
106 100

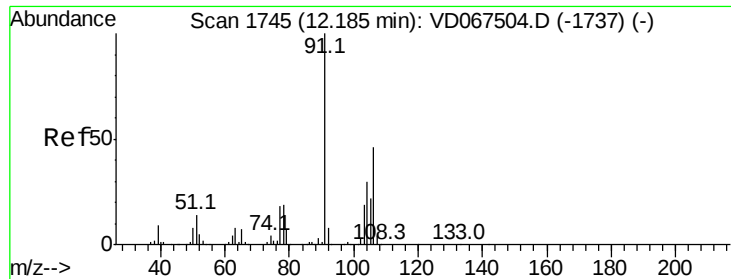
91 204.4 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

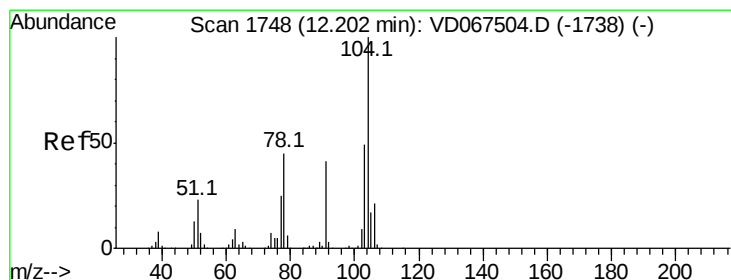
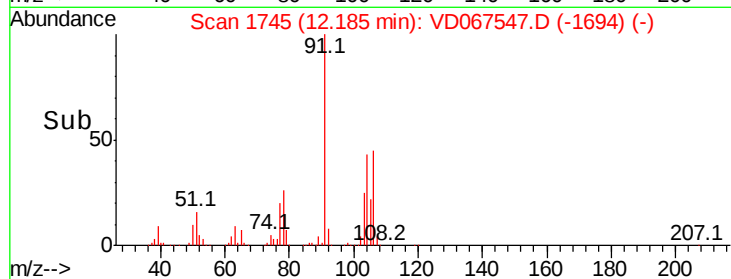
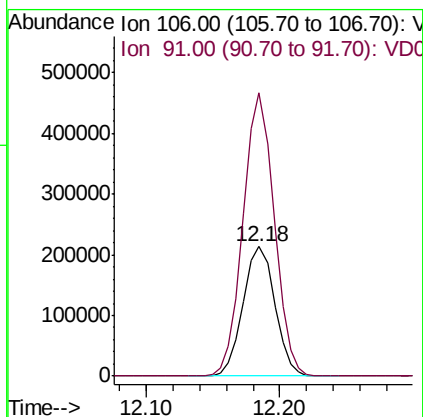
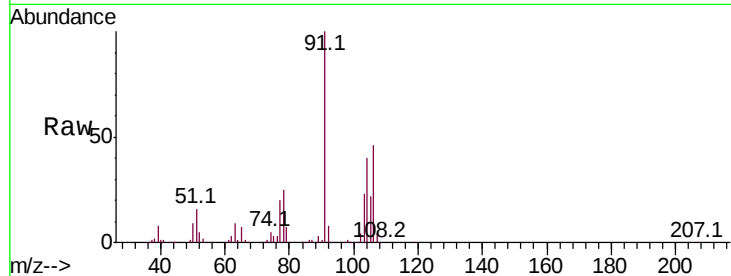




#69
o-Xylene
Concen: 73.158 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

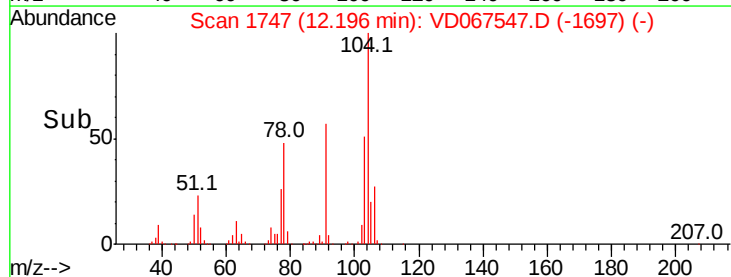
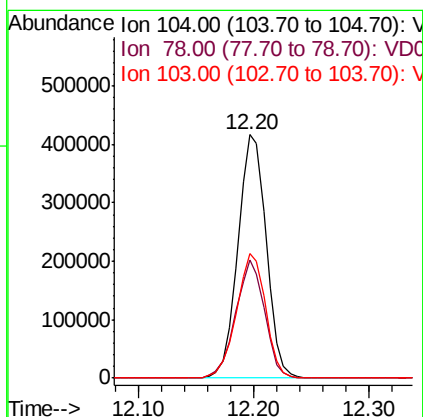
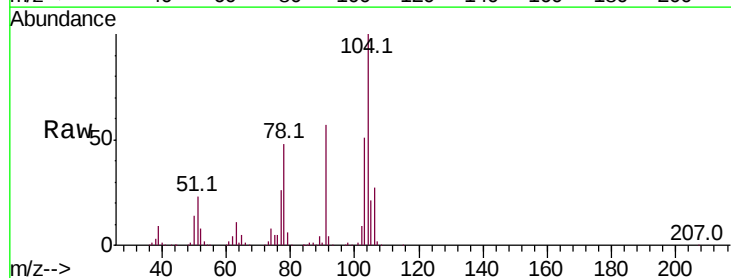
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOIL

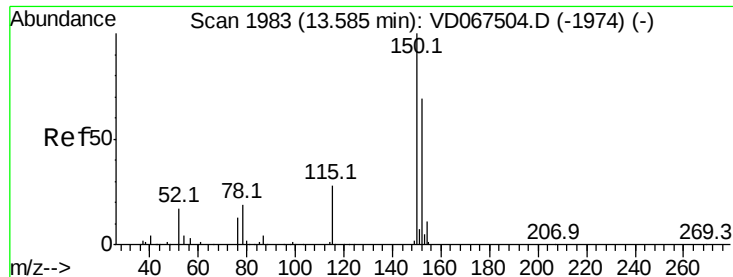
Tot Ion:106 Resp: 352985
Ion Ratio Lower Upper
106 100
91 213.6 107.1 321.1



#70
Styrene
Concen: 83.931 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067547.D
Acq: 06 Nov 2020 12:04

Tgt Ion:104 Resp: 705651
Ion Ratio Lower Upper
104 100
78 49.7 39.8 59.8
103 53.0 43.9 65.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOIL

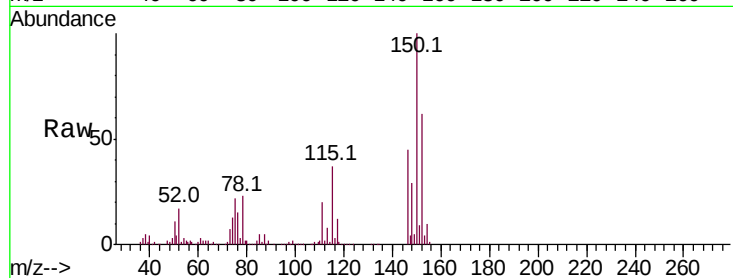
Tot Ion:152 Resp: 214677

Ion Ratio Lower Upper

152 100

115 59.4 29.3 88.0

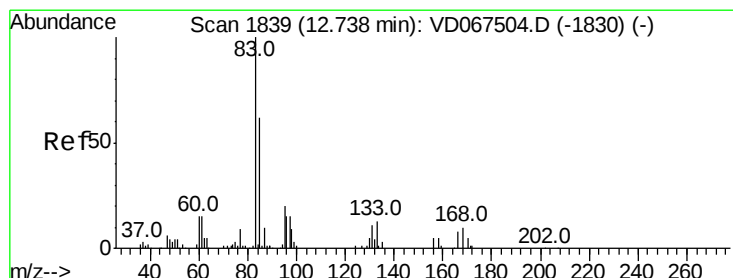
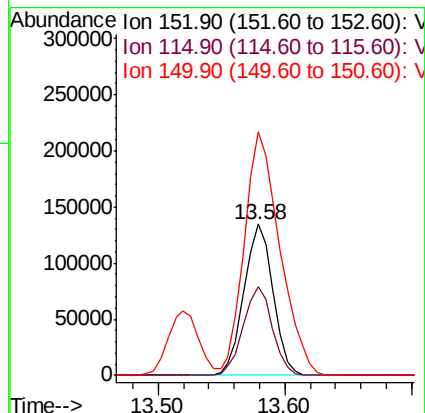
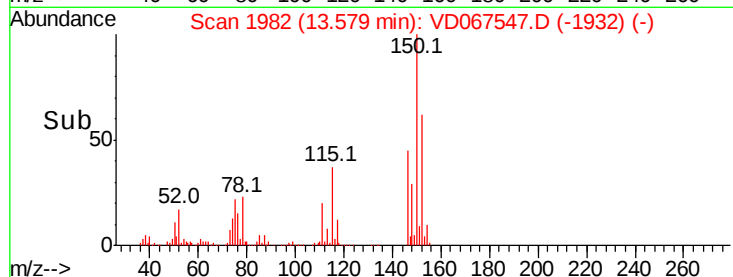
150 196.9 0.0 338.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 79.732 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

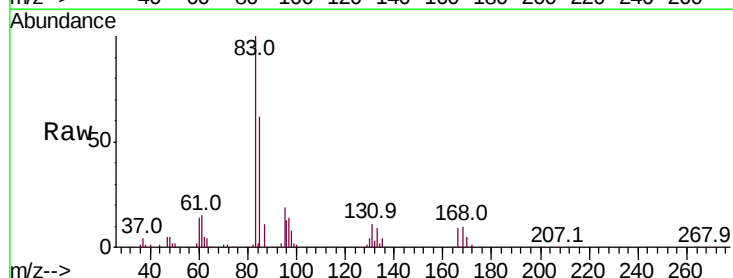
Tgt Ion: 83 Resp: 150845

Ion Ratio Lower Upper

83 100

131 12.5 7.1 21.3

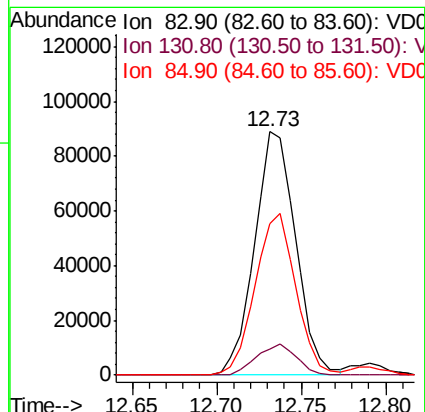
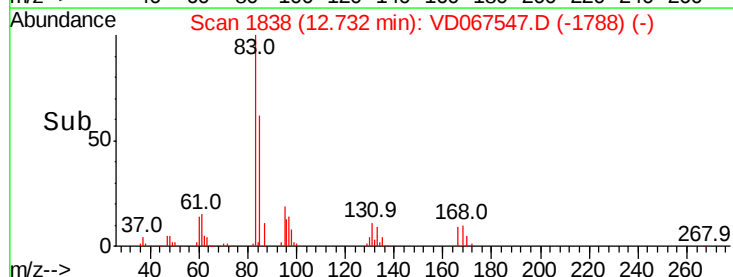
85 65.6 32.9 98.7

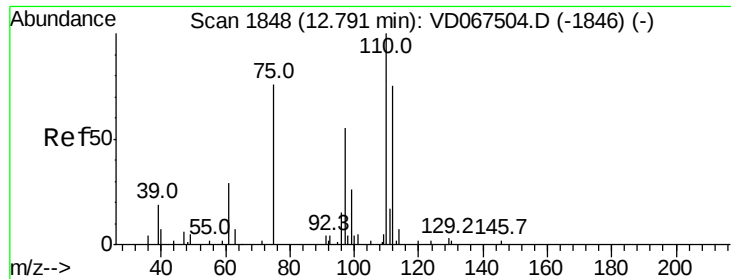


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 168.216 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

Instrument :

MSVOA_D

ClientSampleID :

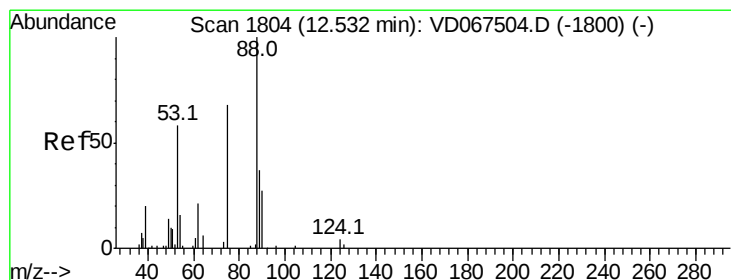
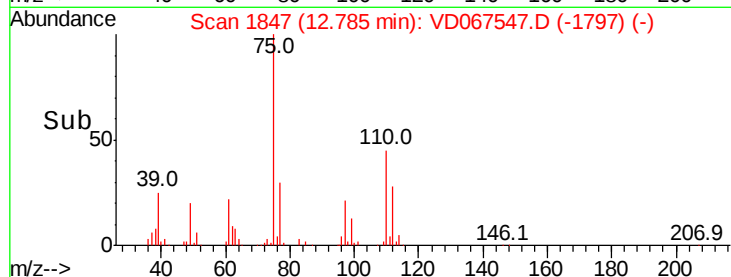
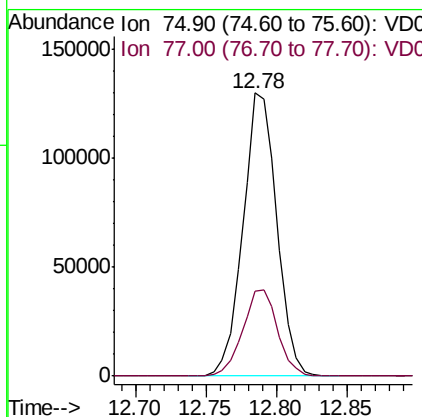
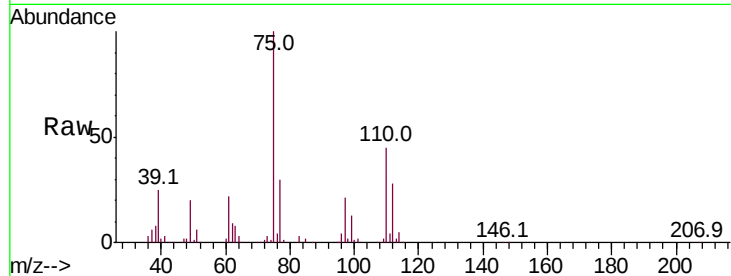
PT-VOA-SOIL

Tot Ion: 75 Resp: 217848

Ion Ratio Lower Upper

75 100

77 31.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.010 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067547.D

Acq: 06 Nov 2020 12:04

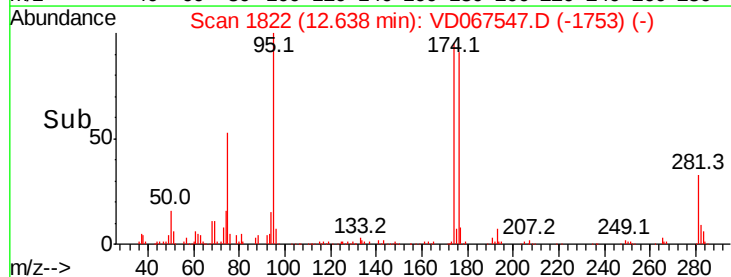
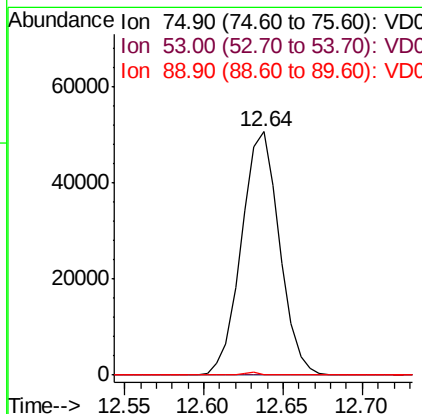
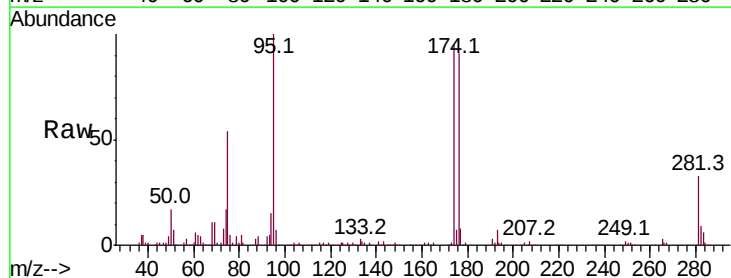
Tgt Ion: 75 Resp: 84206

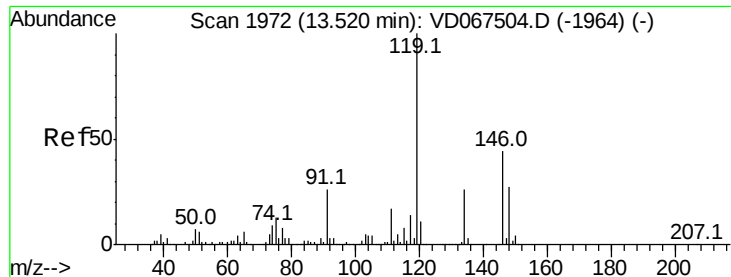
Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.4 44.6 67.0#

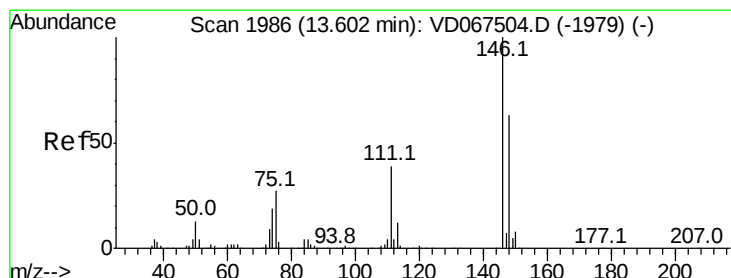
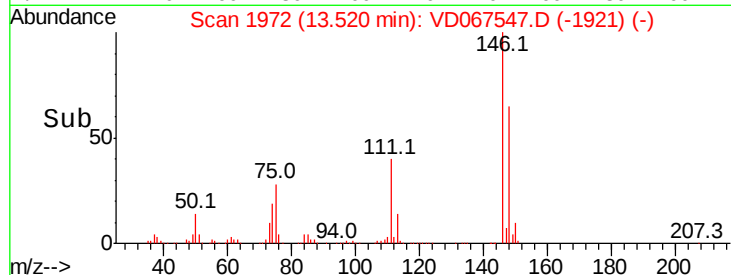
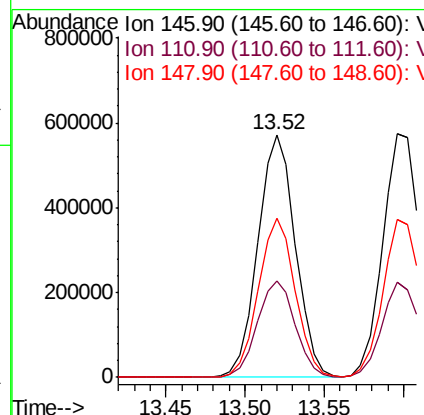
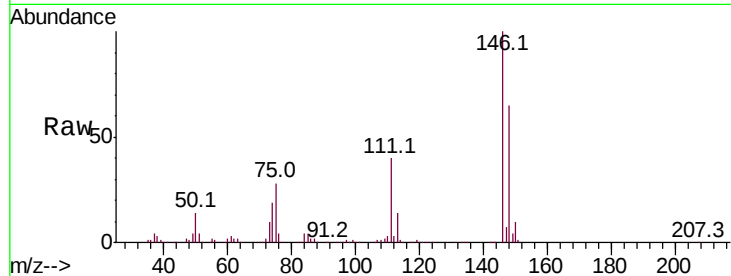




#87
 1,3-Dichlorobenzene
 Concen: 144.454 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

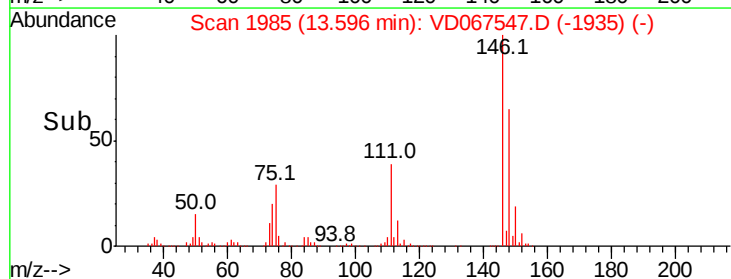
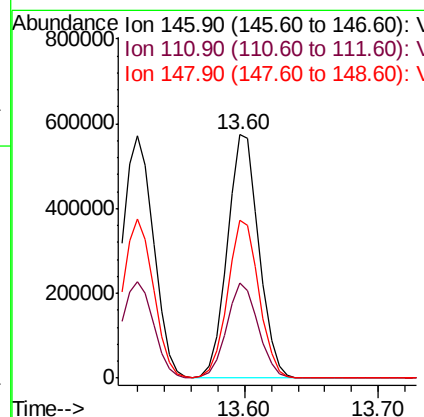
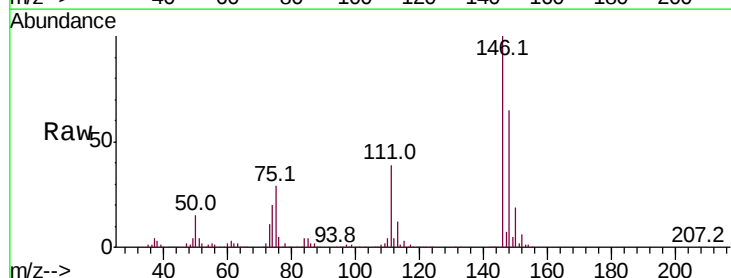
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOIL

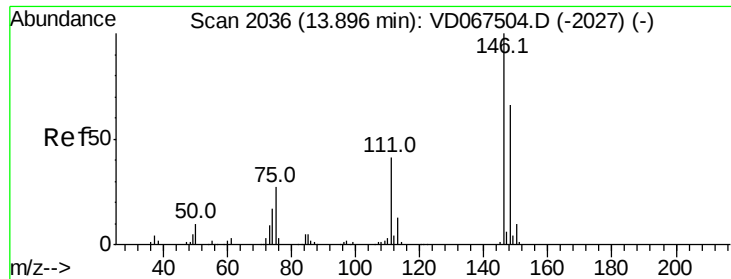
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	64.8	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 144.412 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	64.3	31.8	95.4

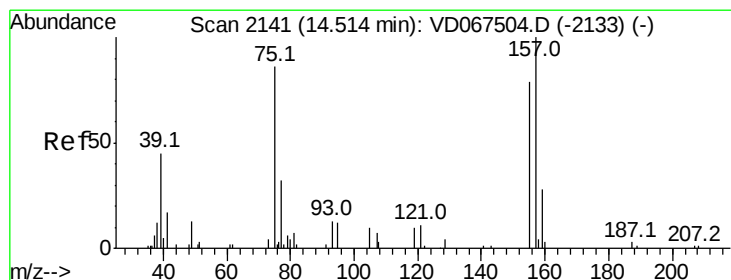
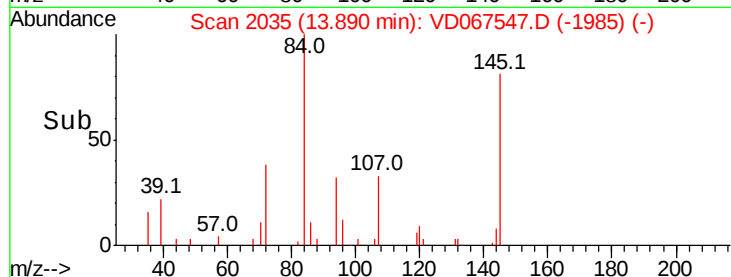
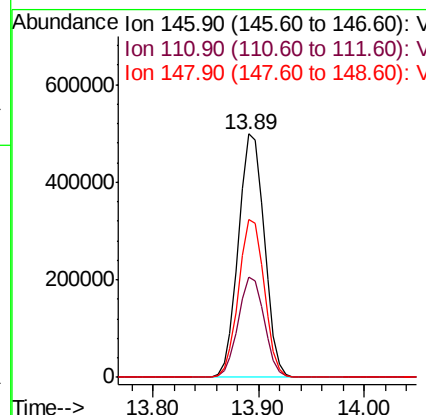
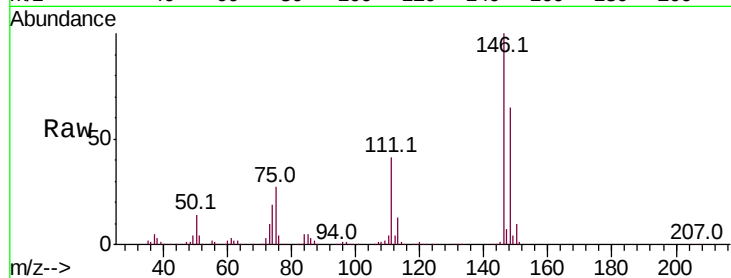




#91
 1,2-Dichlorobenzene
 Concen: 150.503 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

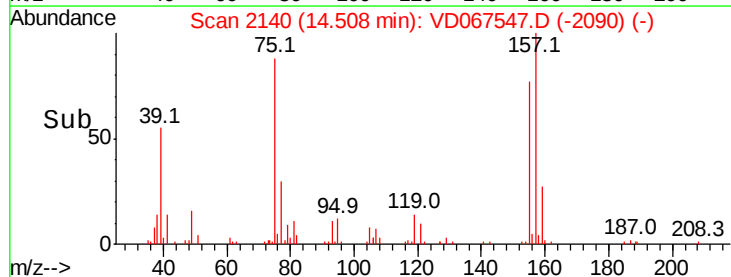
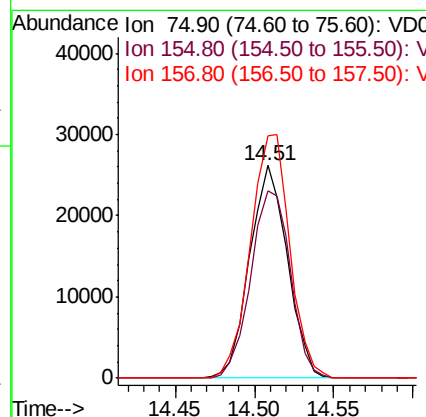
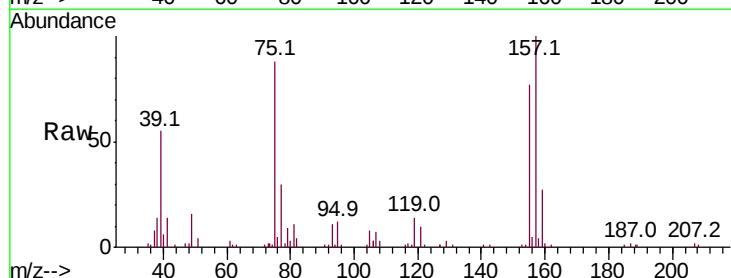
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOIL

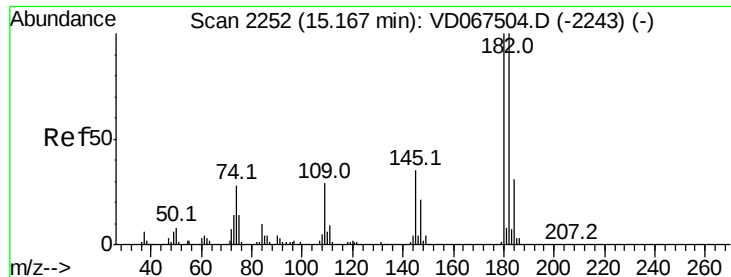
Tot Ion:146 Resp: 846873
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.7 62.1
 148 64.0 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 129.961 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

Tgt Ion: 75 Resp: 43533
 Ion Ratio Lower Upper
 75 100
 155 92.2 46.6 139.8
 157 118.9 58.1 174.2

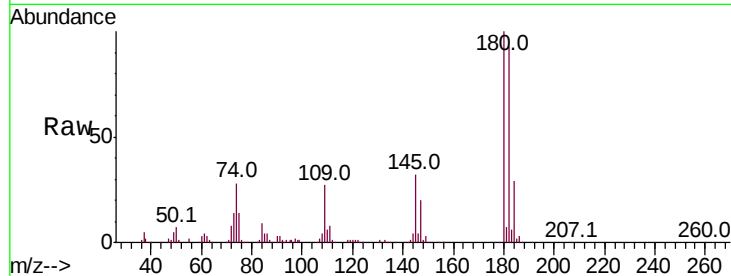




#93
 1,2,4-Trichlorobenzene
 Concen: 122.190 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOIL

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	32.2	16.2	48.6

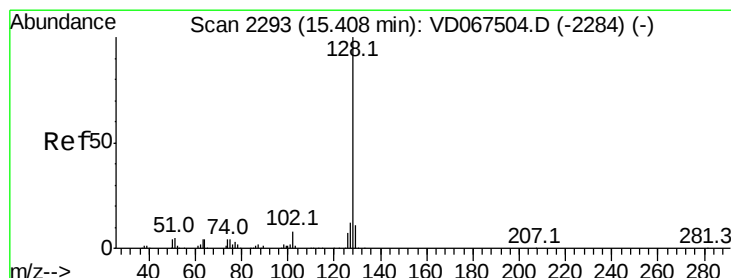
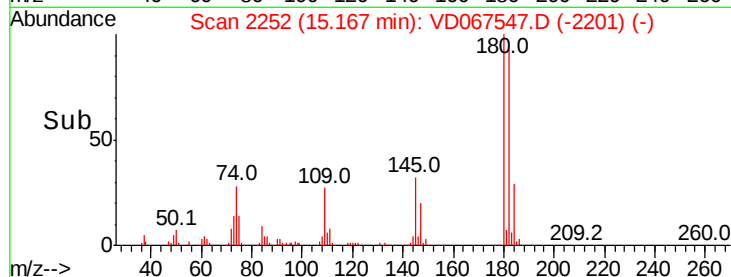
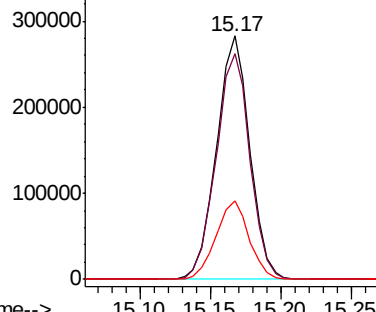


Abundance

Ion 179.80 (179.50 to 180.50): V

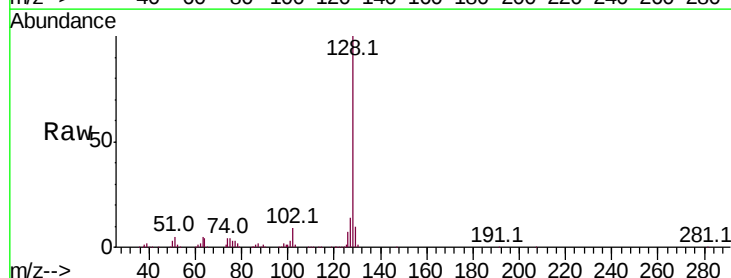
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 107.179 ug/l
 RT: 15.40 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: VD067547.D
 Acq: 06 Nov 2020 12:04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

