

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067549.D
 Acq On : 06 Nov 2020 13:24
 Operator : VA/SY
 Sample : L4548-22 2X
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Quant Time: Nov 06 23:29:07 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	313050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	474206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	428751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	218895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	134435	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
35) Dibromofluoromethane	7.92	113	137162	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	10.34	98	477652	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
62) 4-Bromofluorobenzene	12.64	95	163951	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	428	Below Cal	#	44
11) Tert butyl alcohol	5.19	59	7056	43.100	ug/l #	79
13) Acrolein	4.10	56	72	28.878	ug/l #	15
16) Acetone	4.16	43	79731	194.647	ug/l	93
20) Methylene Chloride	4.97	84	110811	38.297	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	66817	21.955	ug/l	94
22) Diisopropyl ether	6.37	45	447026	82.031	ug/l #	93
23) Vinyl Acetate	6.36	43	252889	88.654	ug/l #	66
25) 2-Butanone	7.21	43	64796	148.041	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	58576	18.544	ug/l	90
28) Bromochloromethane	7.71	49	30825	19.438	ug/l #	1
30) Chloroform	7.71	83	443473	83.382	ug/l	99
31) Cyclohexane	7.98	56	5820	1.466	ug/l #	36
32) 1,1,1-Trichloroethane	7.90	97	313551	57.138	ug/l	100
36) 1,1-Dichloropropene	7.97	75	22057	5.434	ug/l #	50
37) Ethyl Acetate	7.21	43	64796	61.486	ug/l #	1
38) Carbon Tetrachloride	7.99	117	33266	6.308	ug/l #	17
42) 1,2-Dichloroethane	8.43	62	161679	47.592	ug/l	99
43) Isopropyl Acetate	8.53	43	61859	29.681	ug/l #	3
44) Trichloroethene	9.11	130	102274	28.289	ug/l	99
45) 1,2-Dichloropropane	9.39	63	76167	32.040	ug/l	99
46) Dibromomethane	9.48	93	108038	71.477	ug/l	97
47) Bromodichloromethane	9.67	83	146271	35.604	ug/l	96
48) Methyl methacrylate	9.39	41	46011	42.758	ug/l #	25
49) 1,4-Dioxane	9.48	88	581	37.864	ug/l #	31
51) 4-Methyl-2-Pentanone	10.23	43	122004	122.402	ug/l	98
52) Toluene	10.41	92	442887	60.138	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	121138	60.571	ug/l	94
57) 1,3-Dichloropropane	10.95	76	84566	26.277	ug/l	99
60) Dibromochloromethane	11.14	129	80637	27.257	ug/l	100
61) 1,2-Dibromoethane	11.25	107	168349	83.873	ug/l	97
65) Chlorobenzene	11.67	112	234362	28.377	ug/l	99
67) Ethyl Benzene	11.75	91	1187663	84.037	ug/l	100
68) m/p-Xylenes	11.86	106	185250	33.693	ug/l	98

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

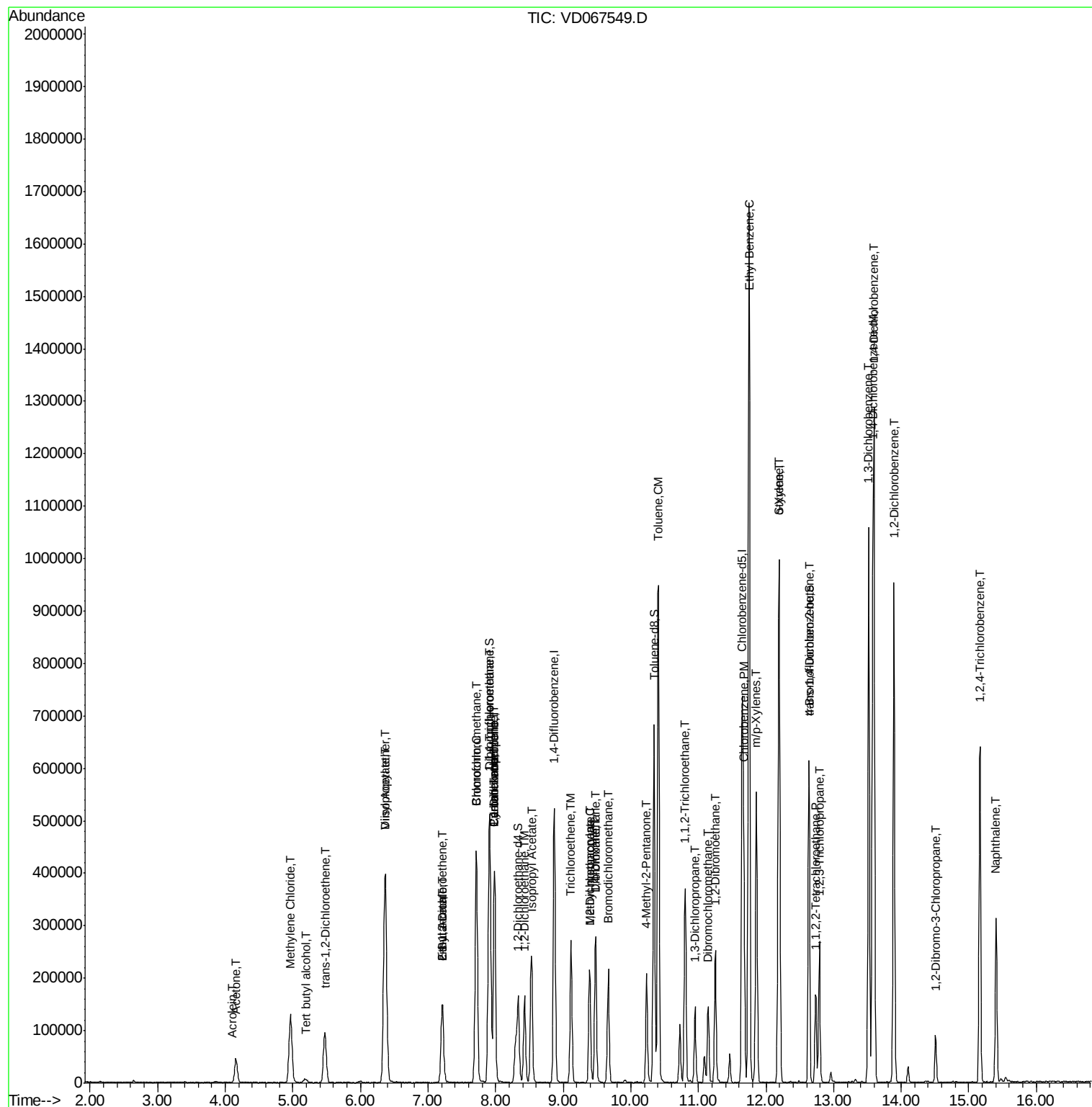
69) o-Xylene	12.18	106	166032	33.822	ug/l	99
70) Styrene	12.20	104	340041	39.753	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	78433	40.658	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	110200	83.453	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	88510	136.084	ug/l #	10
87) 1,3-Dichlorobenzene	13.52	146	452485	68.254	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	468232	69.753	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	413435	72.058	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	22689	66.429	ug/l	97
93) 1,2,4-Trichlorobenzene	15.17	180	218500	56.109	ug/l	99
95) Naphthalene	15.40	128	294125	48.942	ug/l	100

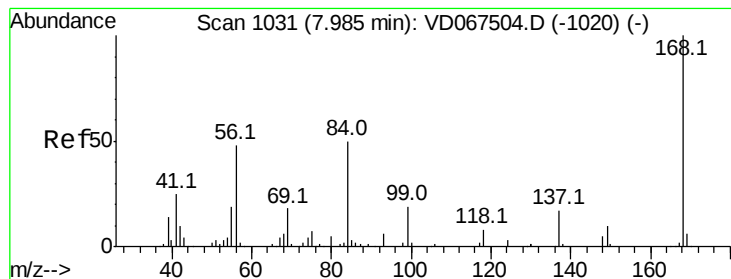
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110620\
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QLast Update : Wed Nov 04 00:56:28 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

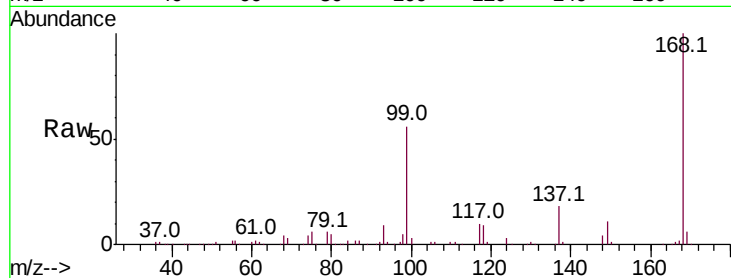
PT-VOA-SOILDL

Tot Ion:168 Resp: 313050

Ion Ratio Lower Upper

168 100

99 55.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

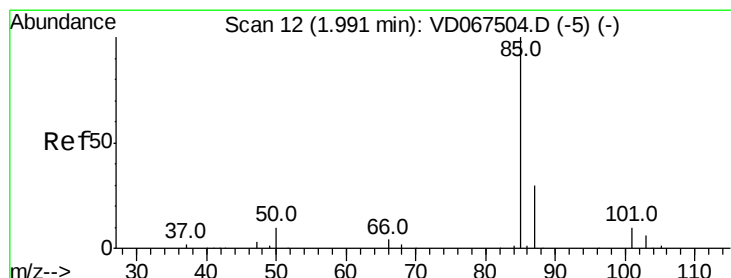
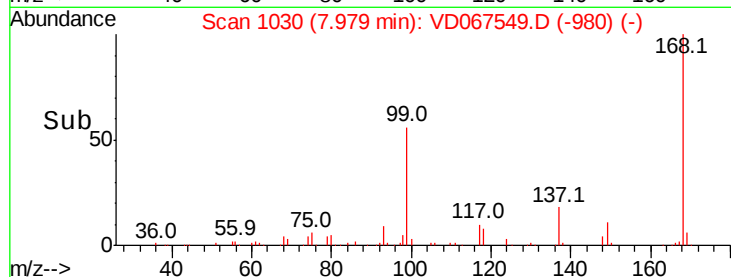
100000

50000

0

7.90 7.98 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067549.D

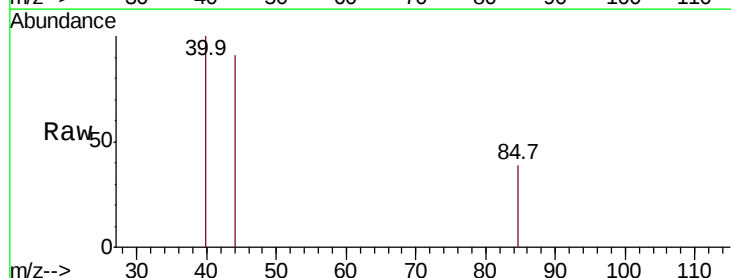
Acq: 06 Nov 2020 13:24

Tgt Ion: 85 Resp: 428

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

500

400

300

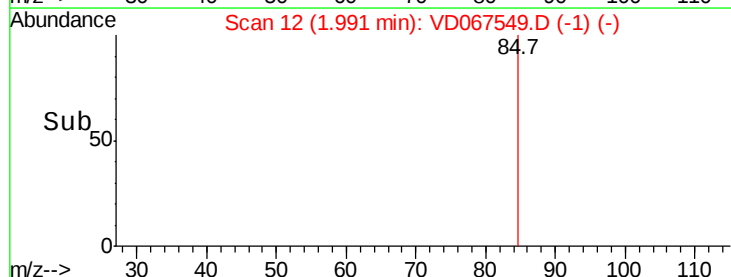
200

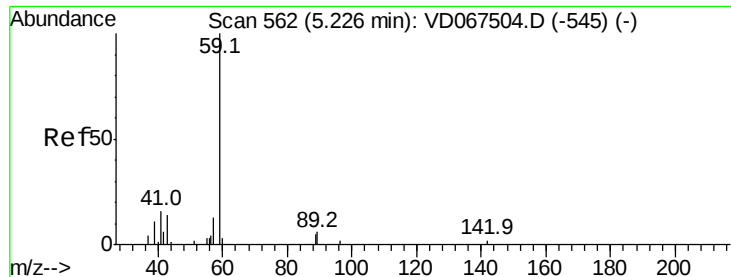
100

0

1.94 1.96 1.98 1.99 2.00 2.02

Time-->



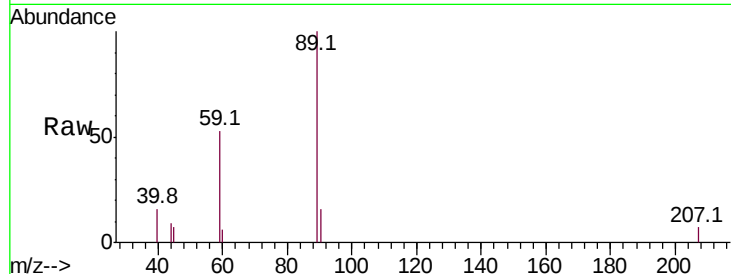


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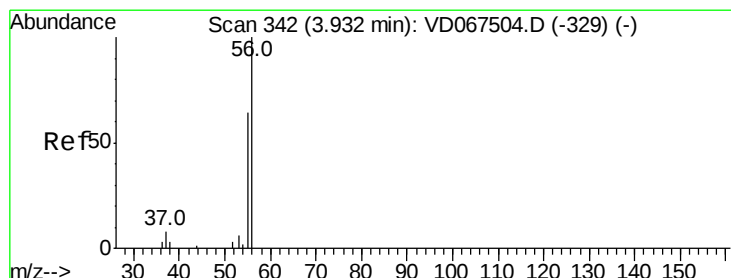
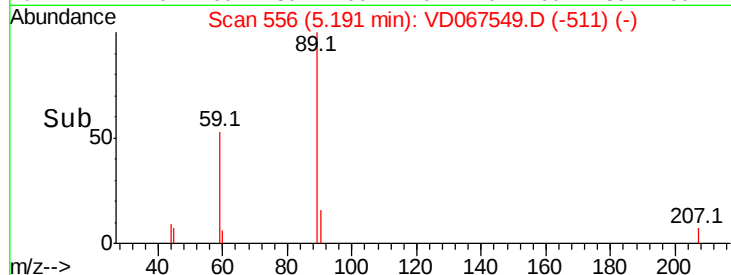
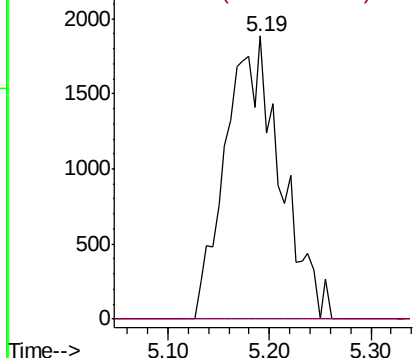
Tert butyl alcohol
 Concen: 43.100 ug/l
 RT: 5.19 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD067549.D
 Acq: 06 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Tot Ion: 59 Resp: 7056
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#



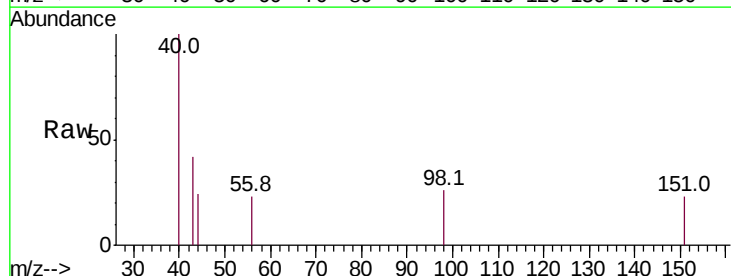
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



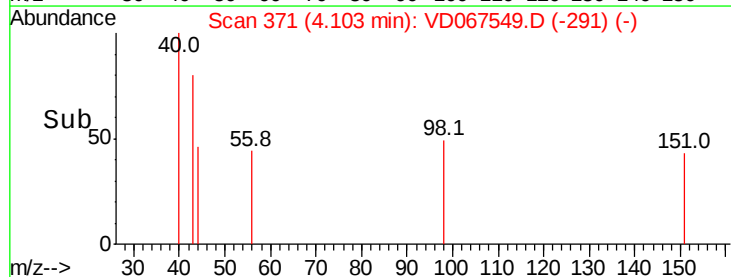
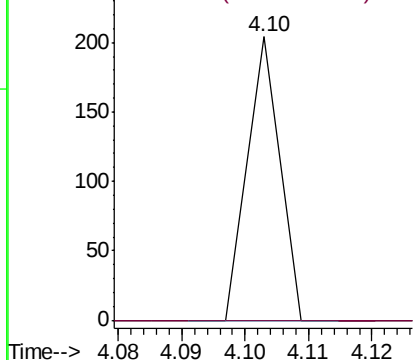
#13

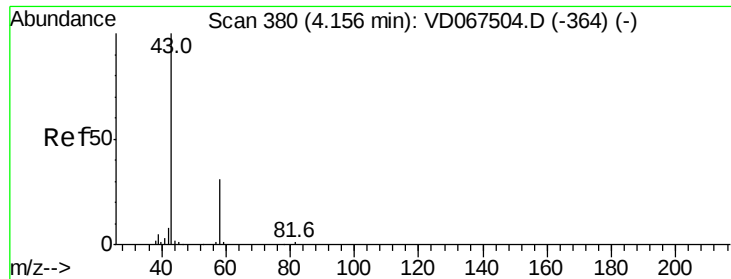
Acrolein
 Concen: 28.878 ug/l
 RT: 4.10 min Scan# 371
 Delta R.T. 0.17 min
 Lab File: VD067549.D
 Acq: 06 Nov 2020 13:24

Tgt Ion: 56 Resp: 72
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VDC
 Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 194.647 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

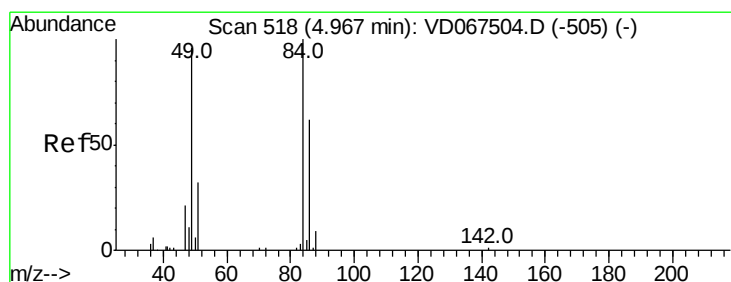
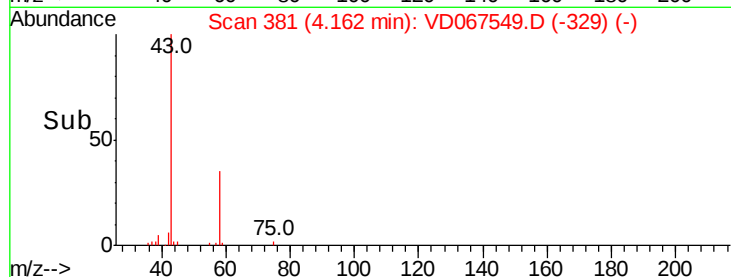
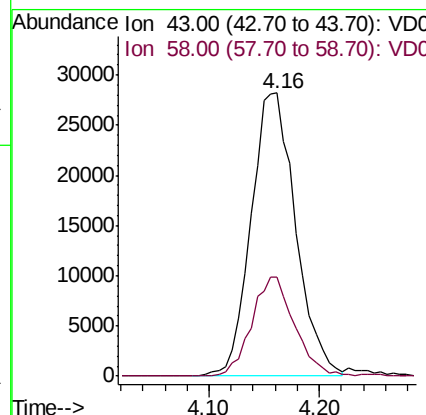
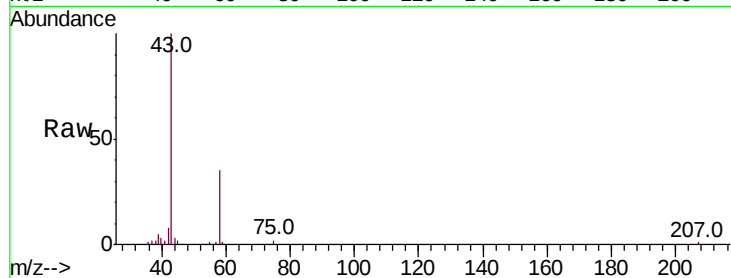
PT-VOA-SOILD

Tot Ion: 43 Resp: 79731

Ion Ratio Lower Upper

43 100

58 35.1 25.2 37.8



#20

Methylene Chloride

Concen: 38.297 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Tgt Ion: 84 Resp: 110811

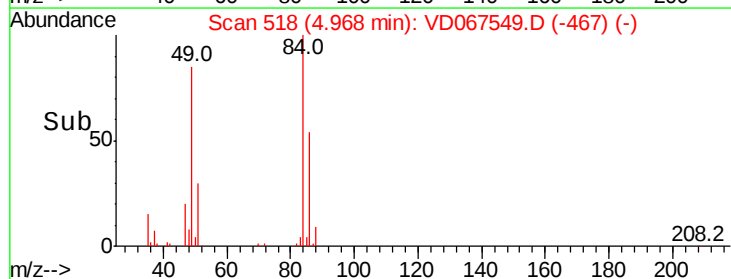
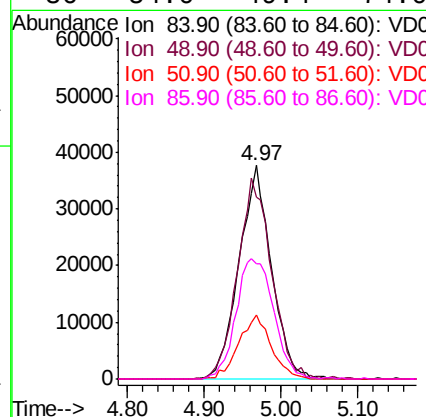
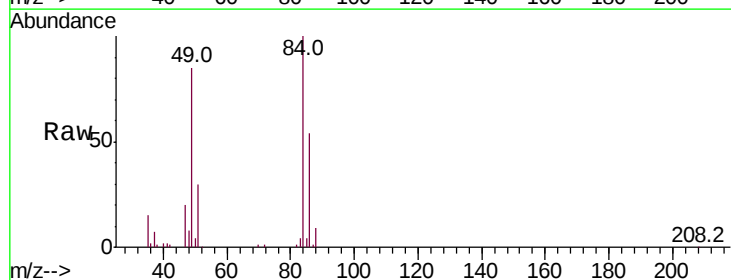
Ion Ratio Lower Upper

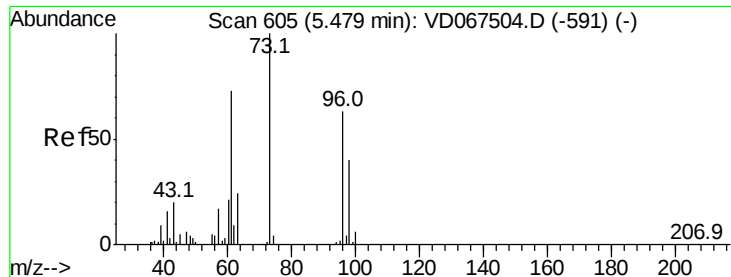
84 100

49 84.9 77.0 115.4

51 29.8 25.4 38.2

86 54.0 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 21.955 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

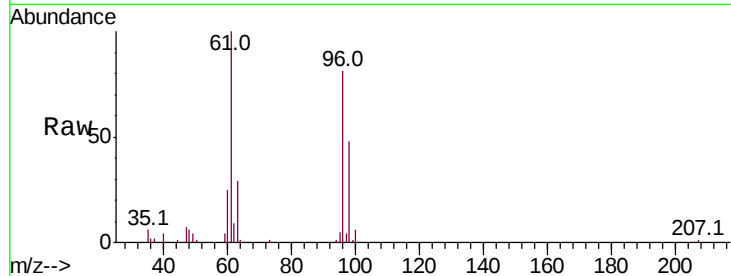
Tot Ion: 96 Resp: 66817

Ion Ratio Lower Upper

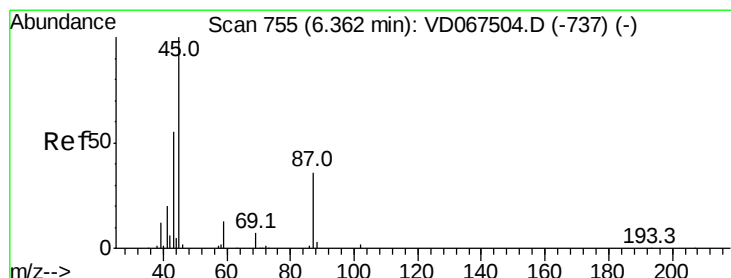
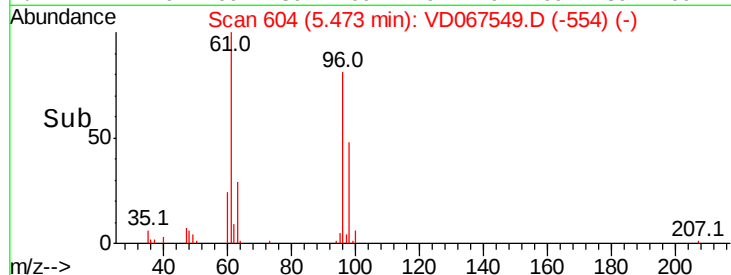
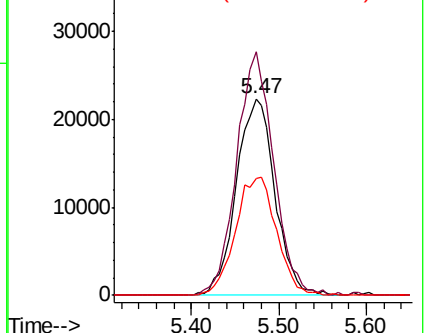
96 100

61 123.8 93.0 139.6

98 59.2 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: 82.031 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Tgt Ion: 45 Resp: 447026

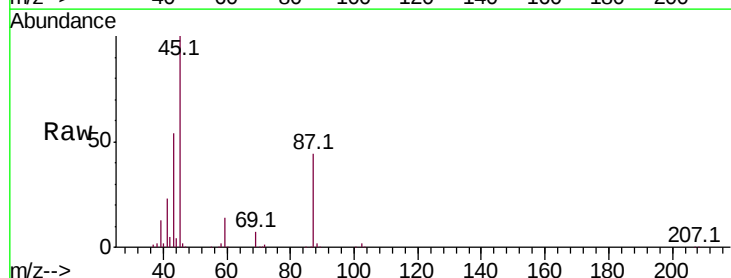
Ion Ratio Lower Upper

45 100

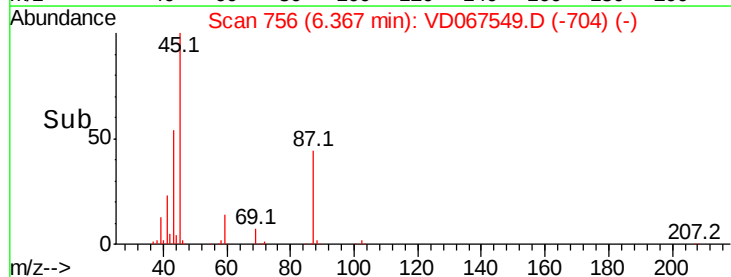
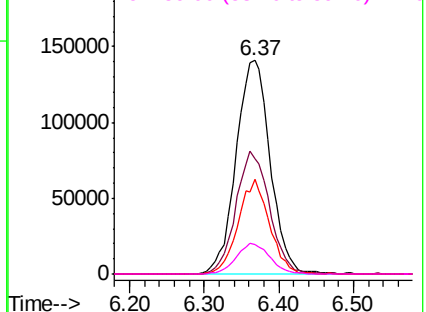
43 53.8 46.2 69.4

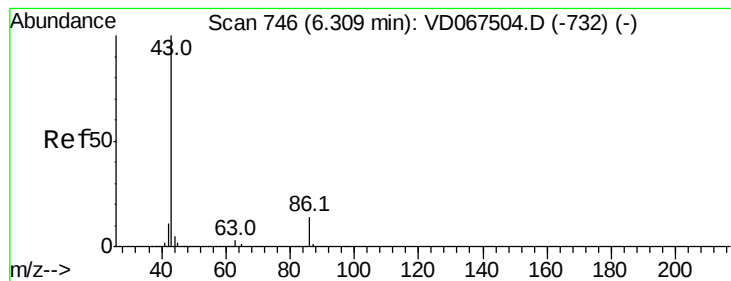
87 44.3 29.4 44.2#

59 14.0 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: 88.654 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.05 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

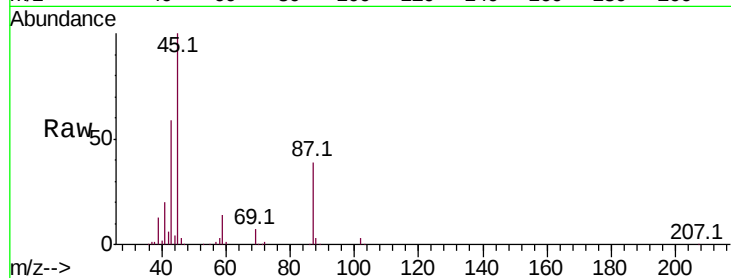
PT-VOA-SOILDL

Tot Ion: 43 Resp: 252889

Ion Ratio Lower Upper

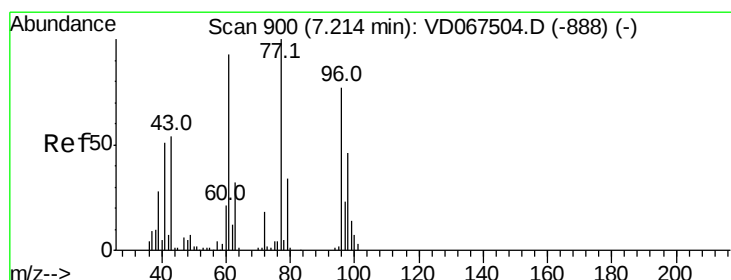
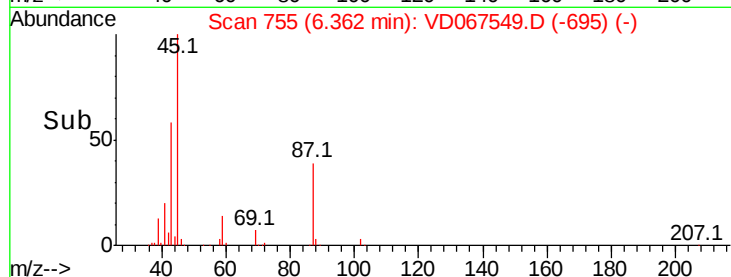
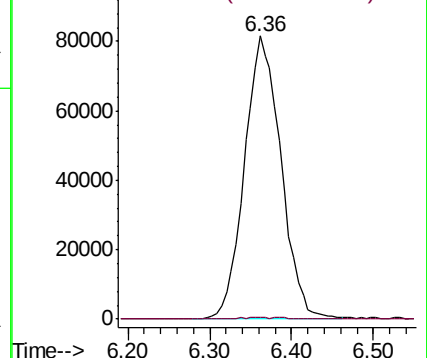
43 100

86 0.5 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: 148.041 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067549.D

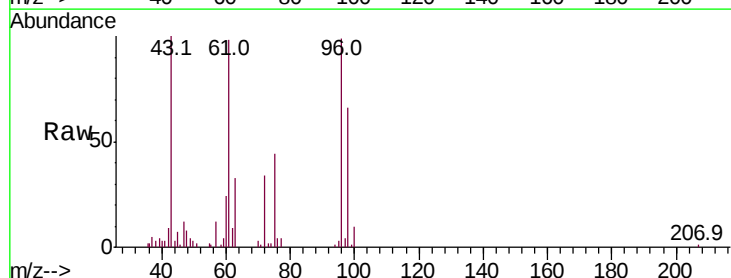
Acq: 06 Nov 2020 13:24

Tgt Ion: 43 Resp: 64796

Ion Ratio Lower Upper

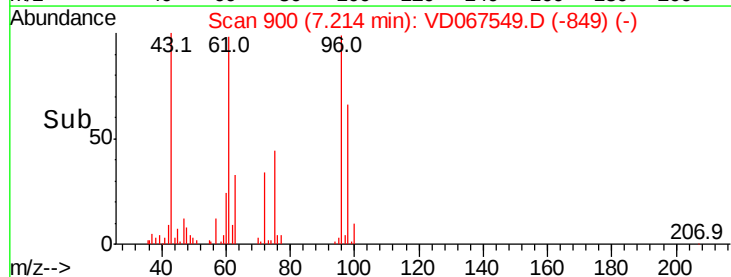
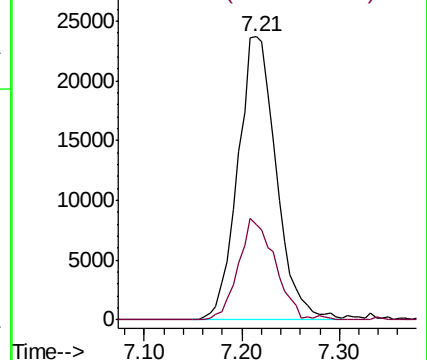
43 100

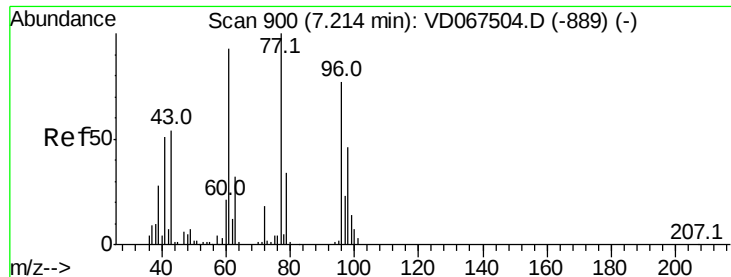
72 33.7 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



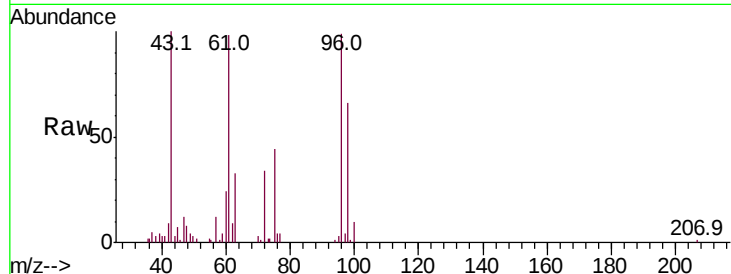


#27

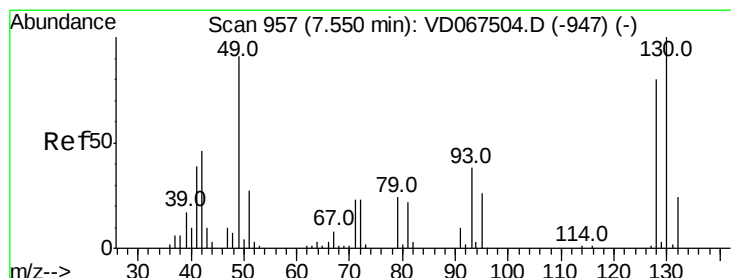
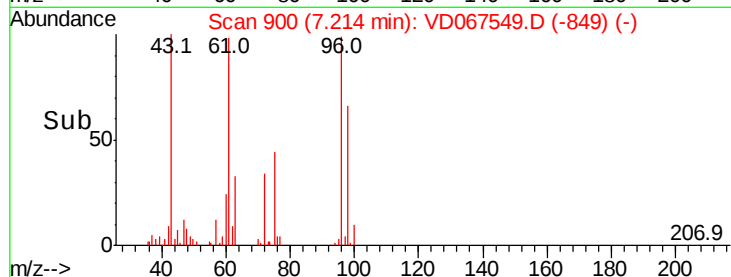
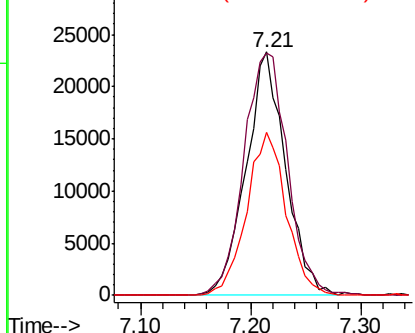
cis-1,2-Dichloroethene
 Concen: 18.544 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067549.D
 Acq: 06 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Tot Ion	96	Resp	58576
Ion	Ratio	Lower	Upper
96	100		
61	110.5	0.0	251.6
98	67.0	0.0	128.0



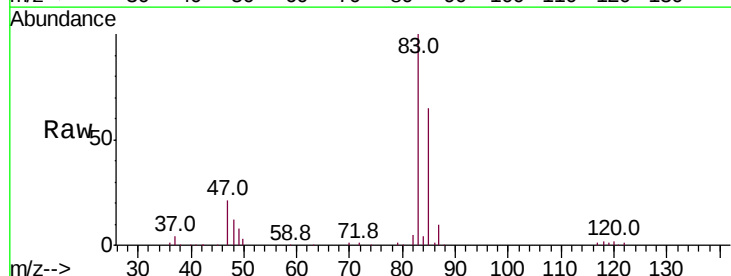
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



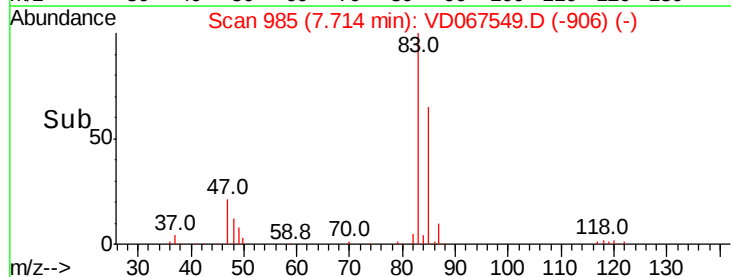
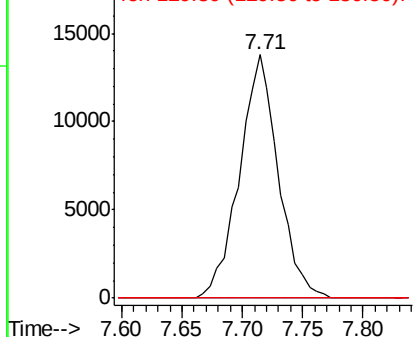
#28

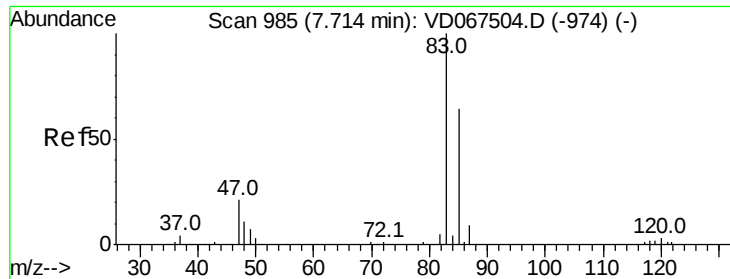
Bromochloromethane
 Concen: 19.438 ug/l
 RT: 7.71 min Scan# 985
 Delta R.T. 0.16 min
 Lab File: VD067549.D
 Acq: 06 Nov 2020 13:24

Tgt Ion	49	Resp	30825
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): V
 Ion 129.80 (129.50 to 130.50): V

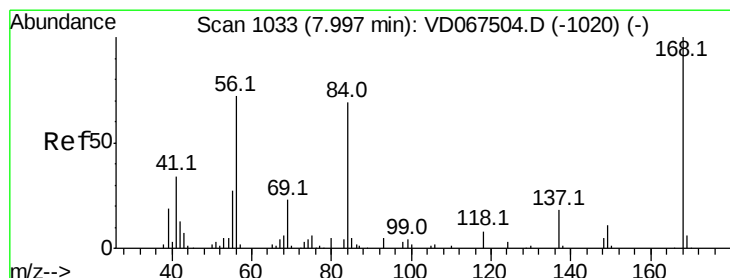
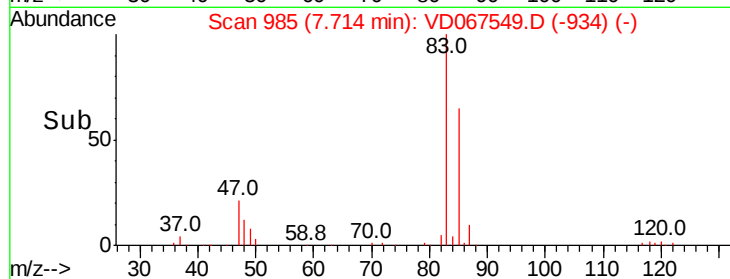
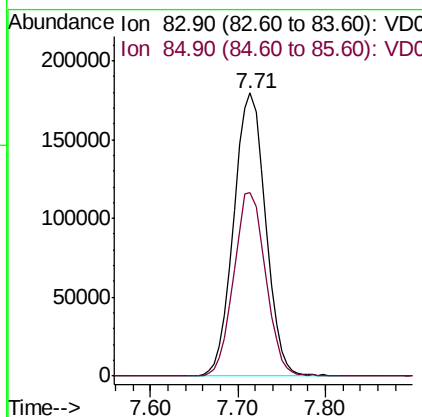
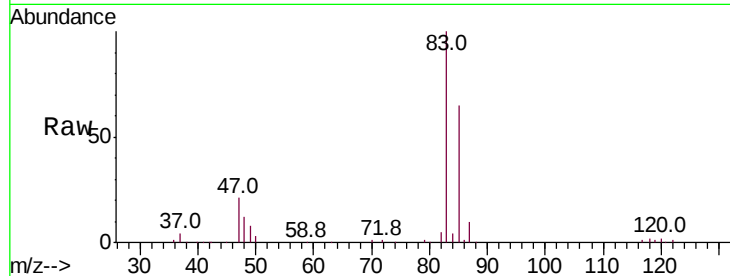




#30
Chloroform
Concen: 83.382 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067549.D
Acq: 06 Nov 2020 13:24

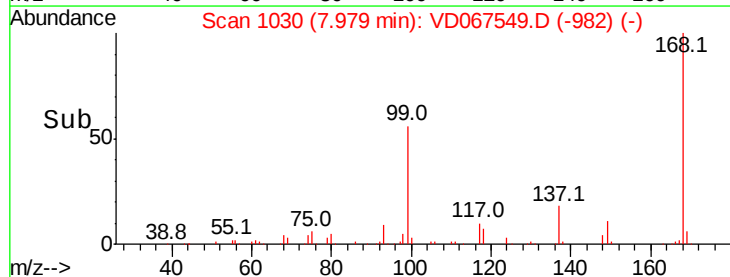
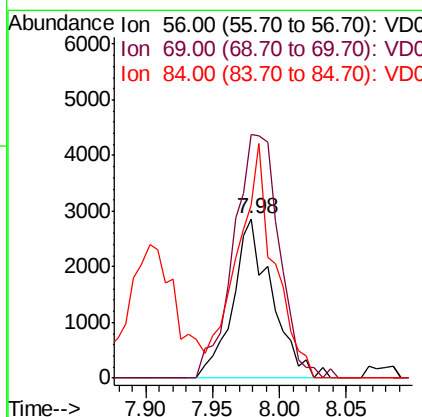
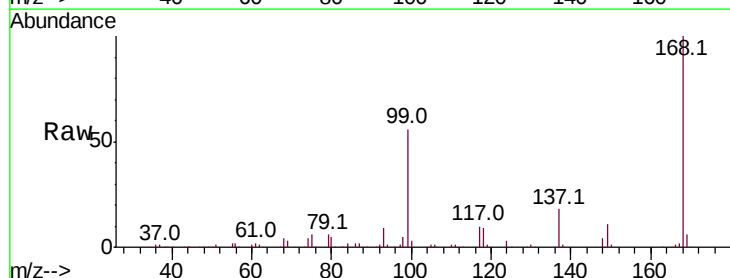
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

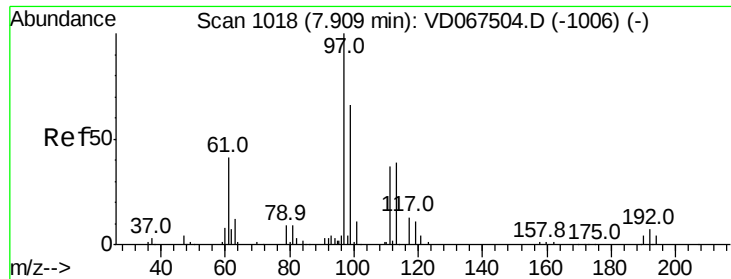
Tot Ion: 83 Resp: 443473
Ion Ratio Lower Upper
83 100
85 64.9 51.5 77.3



#31
Cyclohexane
Concen: 1.466 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067549.D
Acq: 06 Nov 2020 13:24

Tgt Ion: 56 Resp: 5820
Ion Ratio Lower Upper
56 100
69 152.5 25.9 38.9#
84 108.5 76.2 114.4





#32

1,1,1-Trichloroethane

Concen: 57.138 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

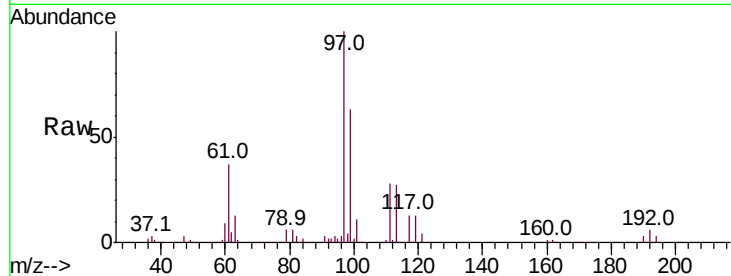
Tot Ion: 97 Resp: 313551

Ion Ratio Lower Upper

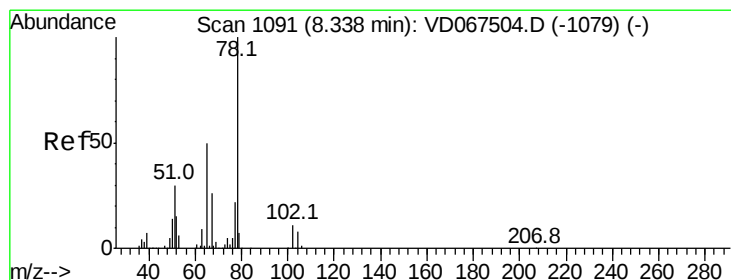
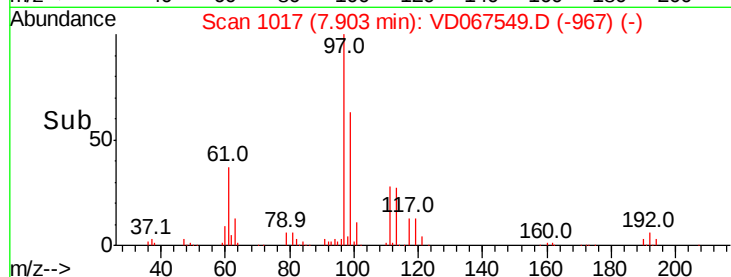
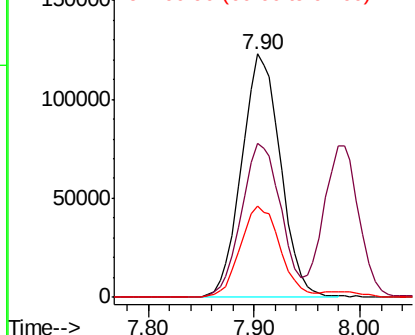
97 100

99 64.2 51.8 77.6

61 38.2 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: 49.113 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067549.D

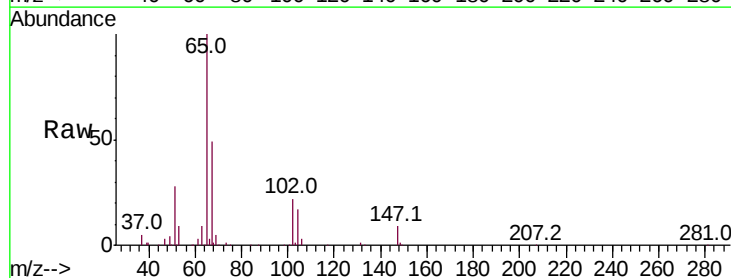
Acq: 06 Nov 2020 13:24

Tgt Ion: 65 Resp: 134435

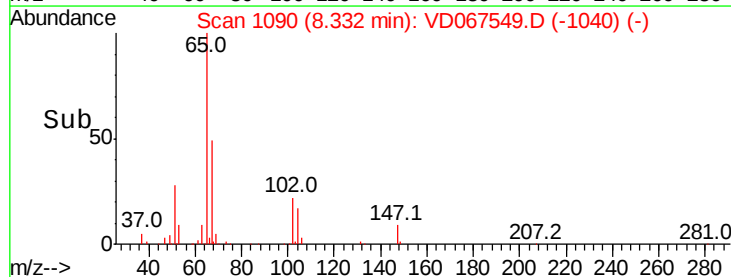
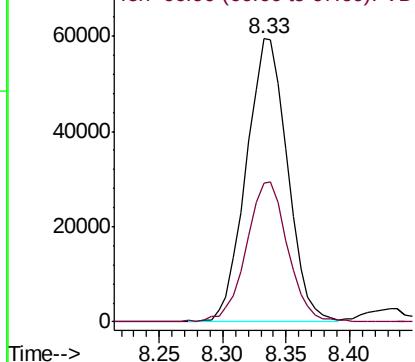
Ion Ratio Lower Upper

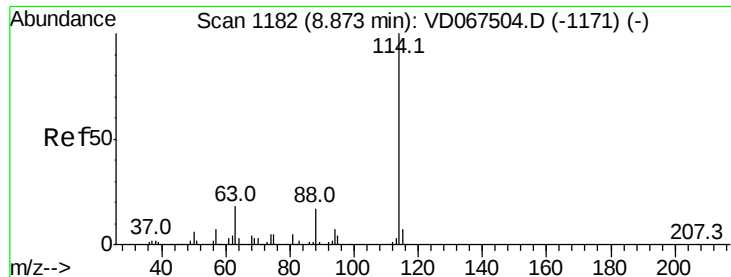
65 100

67 49.8 0.0 99.4



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

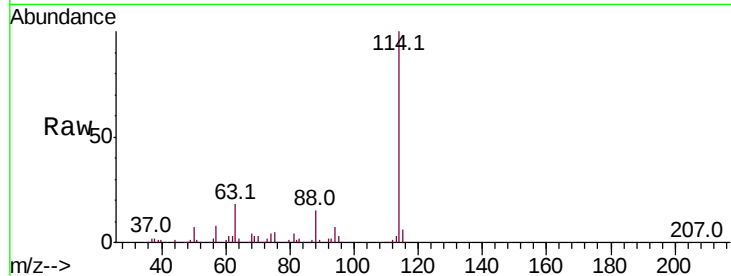




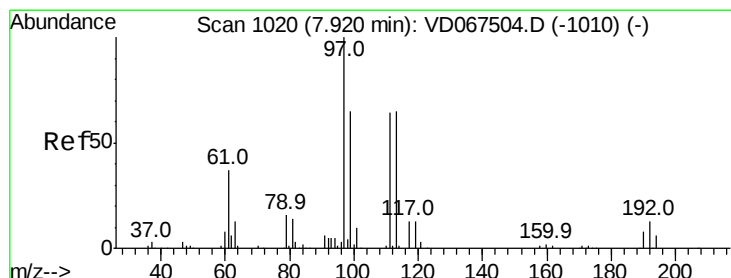
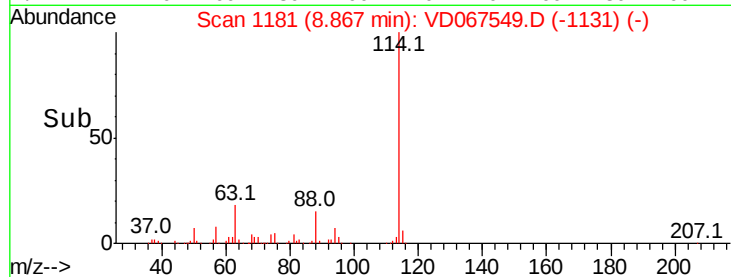
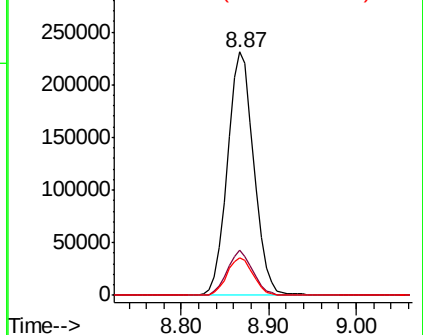
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067549.D
 Acq: 06 Nov 2020 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	35.0
88	15.4	0.0	33.0

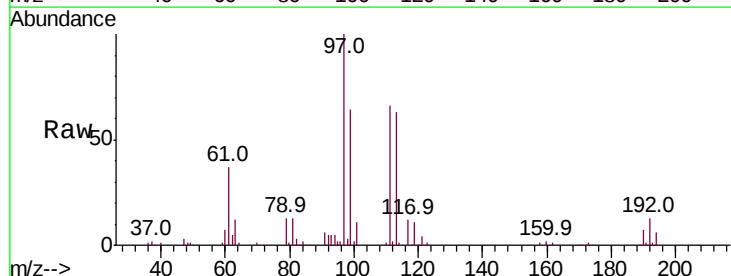


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

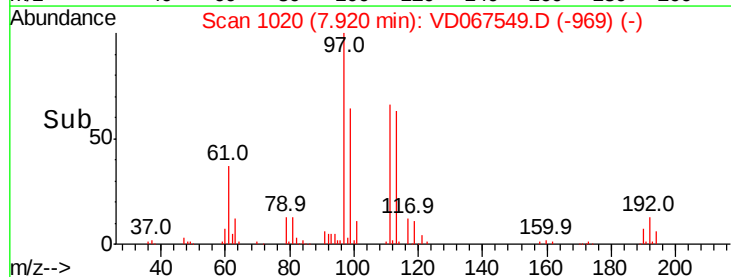
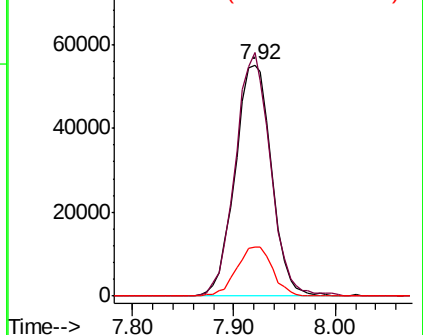


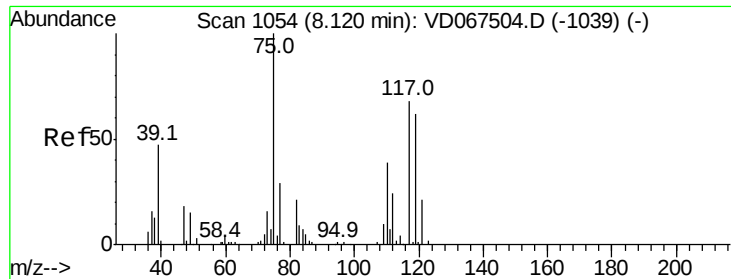
#35
 Dibromofluoromethane
 Concen: 48.008 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067549.D
 Acq: 06 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.0	120.0
192	21.0	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





#36

1,1-Dichloropropene

Concen: 5.434 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.15 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

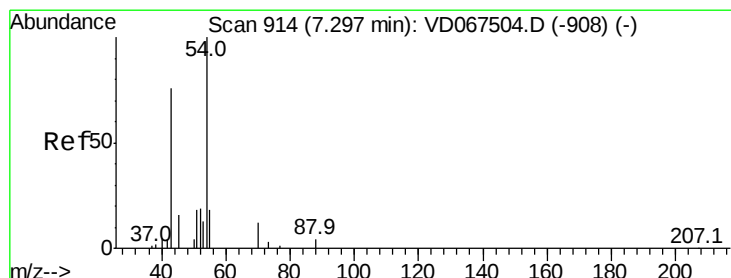
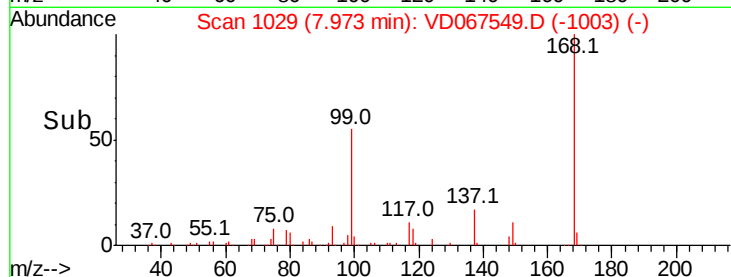
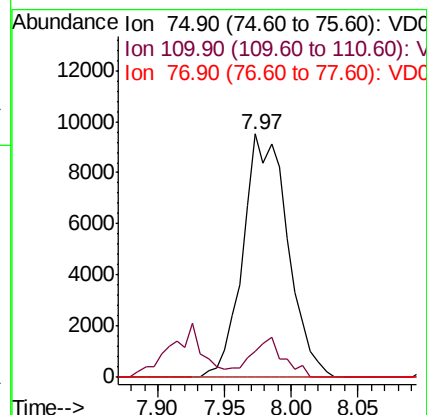
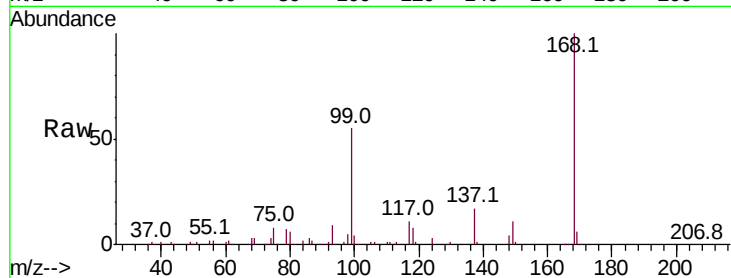
Tot Ion: 75 Resp: 22057

Ion Ratio Lower Upper

75 100

110 12.0 19.9 59.7#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 61.486 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

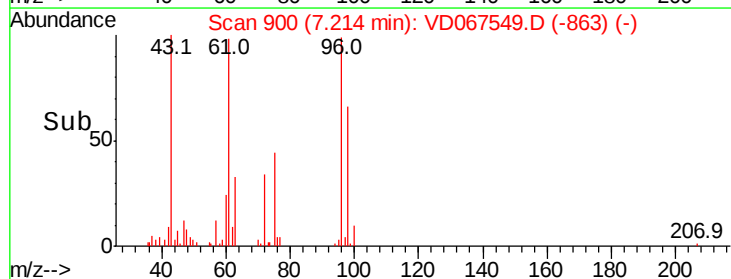
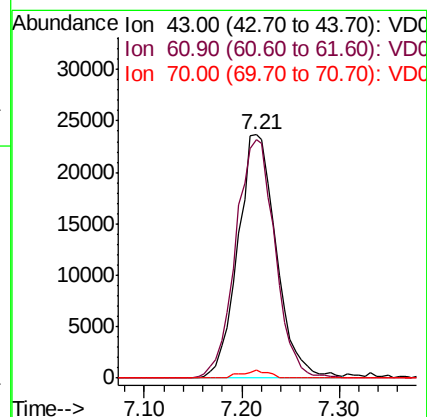
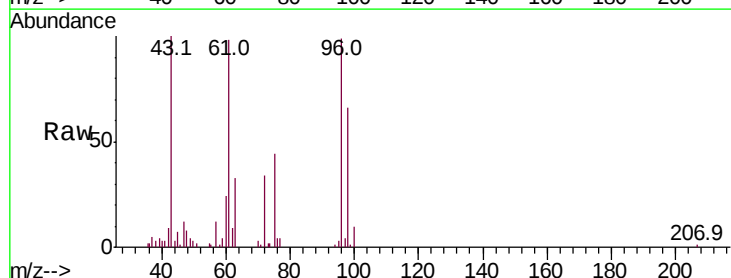
Tgt Ion: 43 Resp: 64796

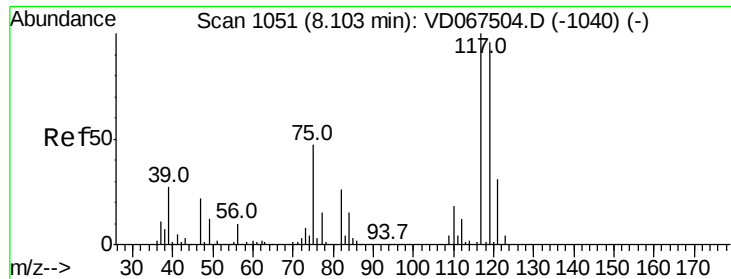
Ion Ratio Lower Upper

43 100

61 99.9 12.8 19.2#

70 2.2 11.7 17.5#





#38

Carbon Tetrachloride

Concen: 6.308 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

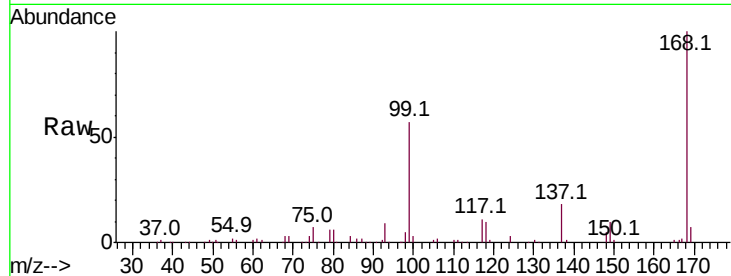
Tot Ion:117 Resp: 33266

Ion Ratio Lower Upper

117 100

119 6.5 76.9 115.3#

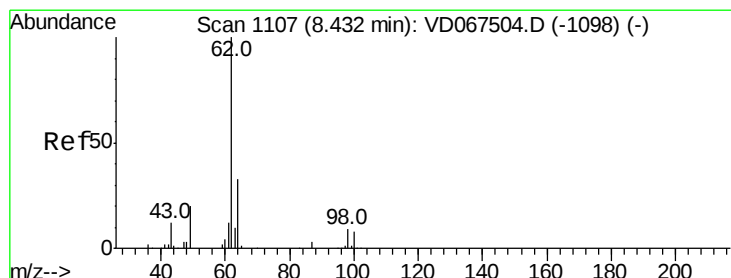
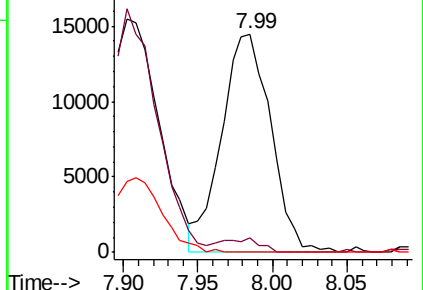
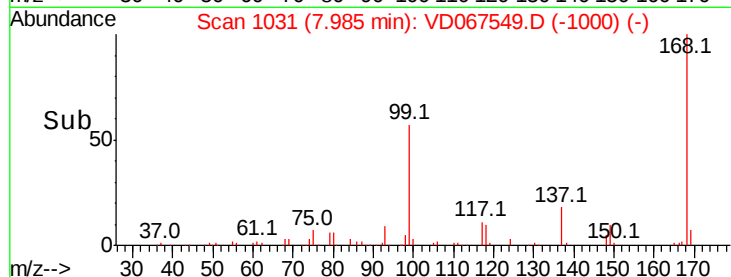
121 0.0 24.5 36.7#



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



#42

1,2-Dichloroethane

Concen: 47.592 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067549.D

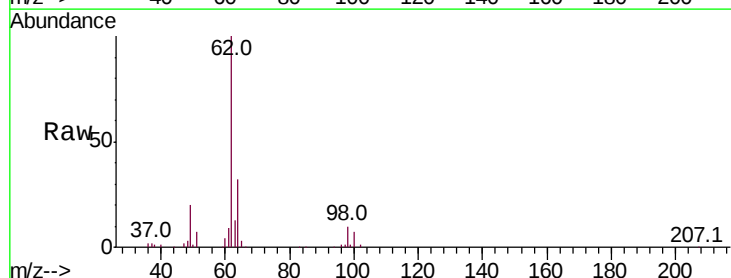
Acq: 06 Nov 2020 13:24

Tgt Ion: 62 Resp: 161679

Ion Ratio Lower Upper

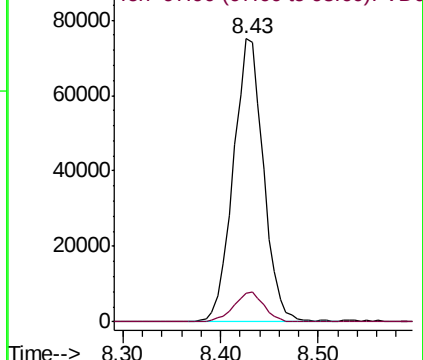
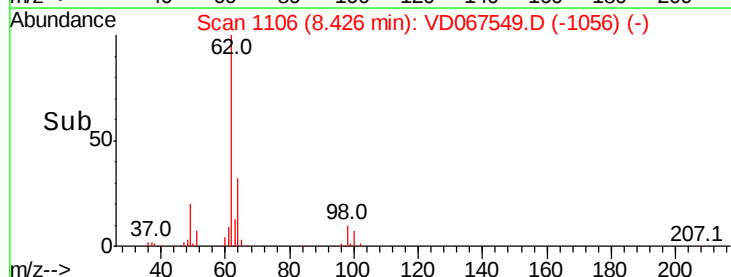
62 100

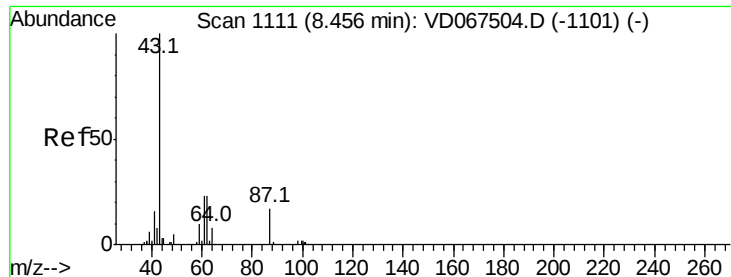
98 10.4 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): V

Ion 97.90 (97.60 to 98.60): V





#43

Isopropyl Acetate

Concen: 29.681 ug/l

RT: 8.53 min Scan# 1124

Delta R.T. 0.08 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

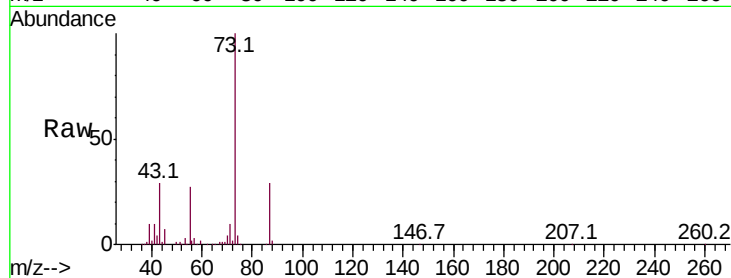
Tot Ion: 43 Resp: 61859

Ion Ratio Lower Upper

43 100

61 0.0 30.5 45.7#

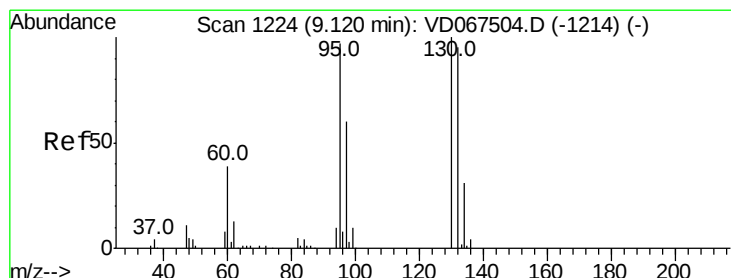
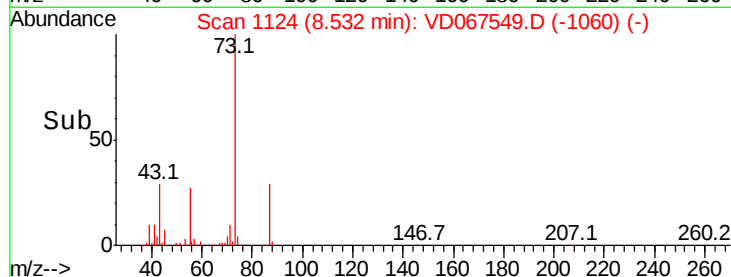
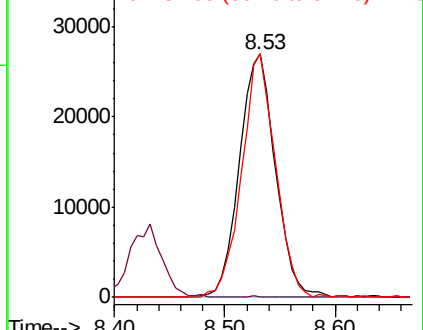
87 93.5 14.7 22.1#



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: 28.289 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067549.D

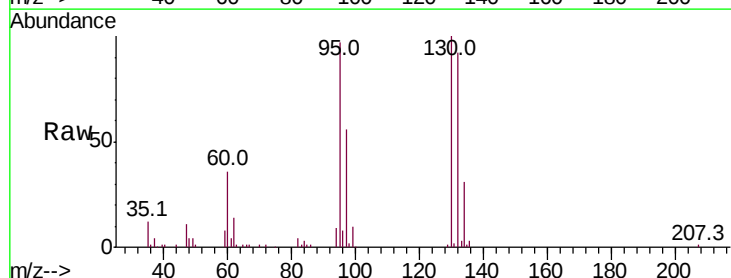
Acq: 06 Nov 2020 13:24

Tgt Ion:130 Resp: 102274

Ion Ratio Lower Upper

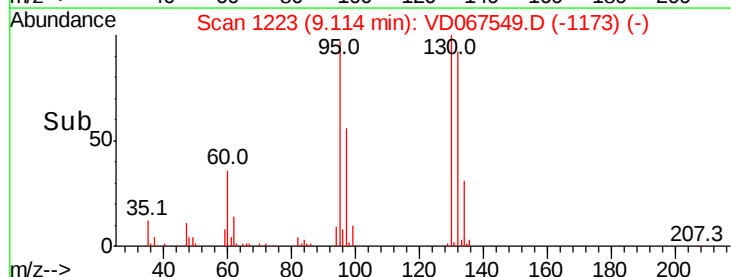
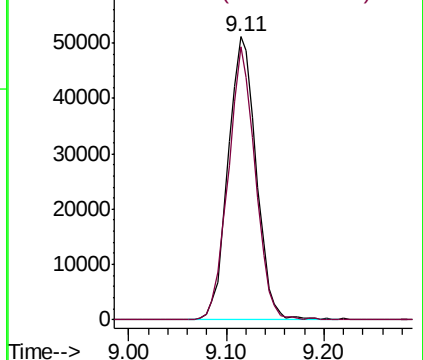
130 100

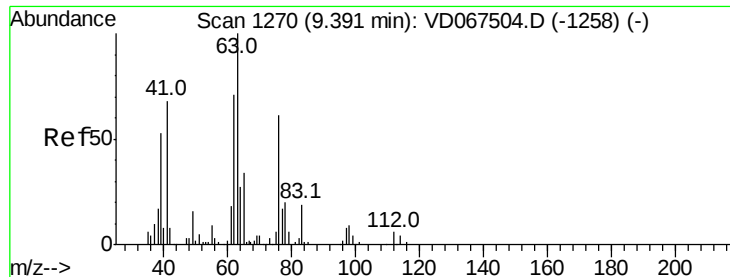
95 96.5 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 32.040 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

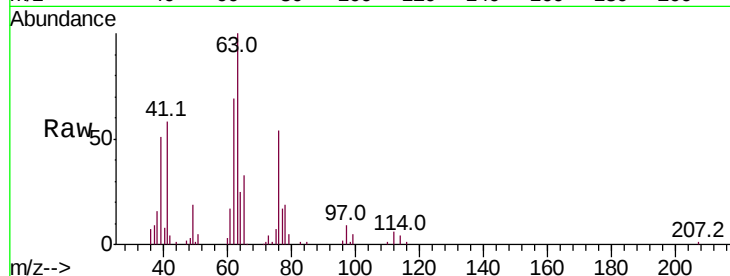
PT-VOA-SOILDL

Tot Ion: 63 Resp: 76167

Ion Ratio Lower Upper

63 100

65 33.2 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

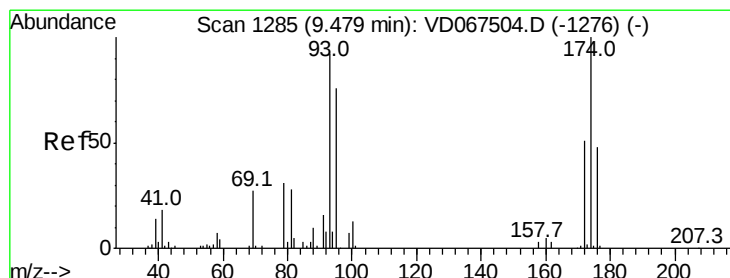
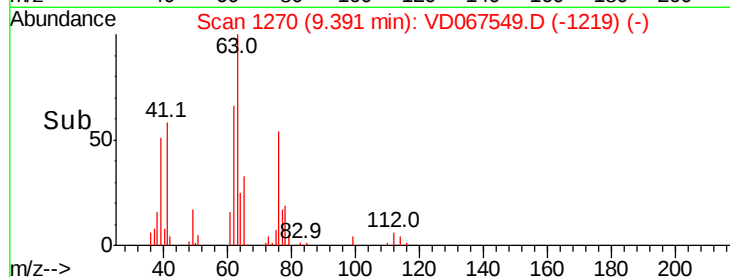
40000

30000

20000

10000

Time-->



#46

Dibromomethane

Concen: 71.477 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

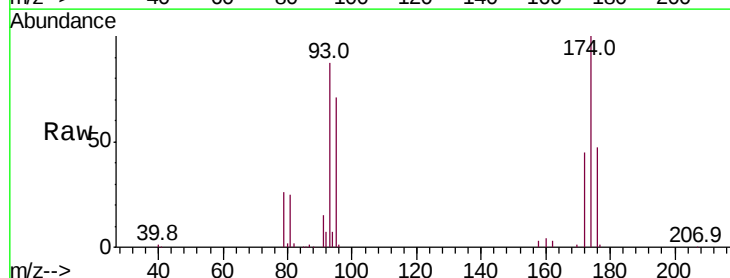
Tgt Ion: 93 Resp: 108038

Ion Ratio Lower Upper

93 100

95 81.4 66.4 99.6

174 113.8 88.2 132.4



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

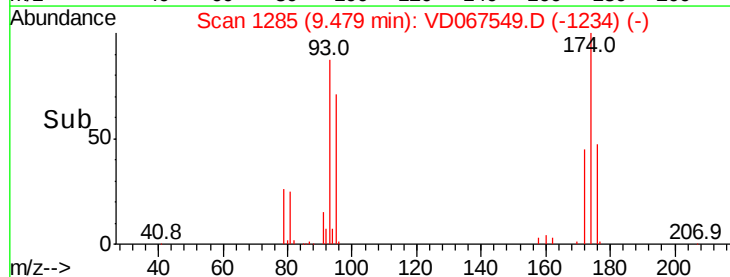
60000

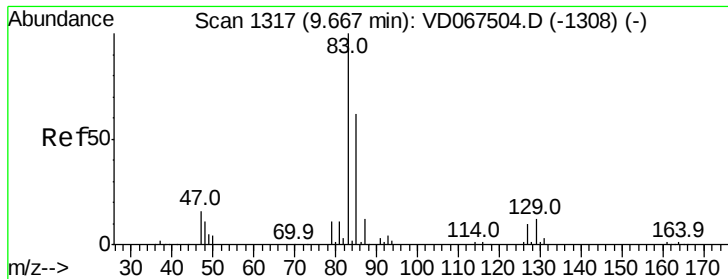
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 35.604 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

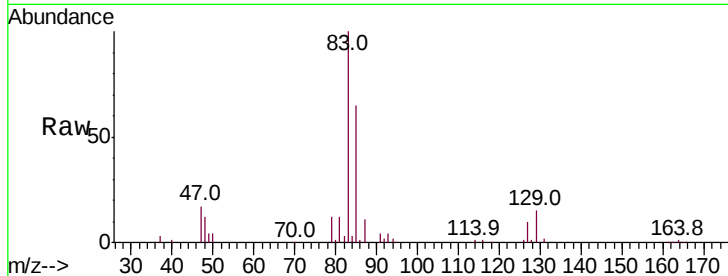
Tot Ion: 83 Resp: 146271

Ion Ratio Lower Upper

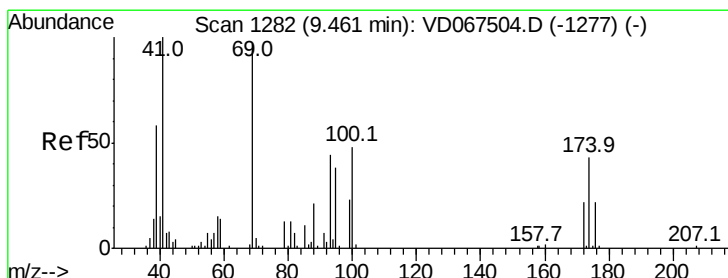
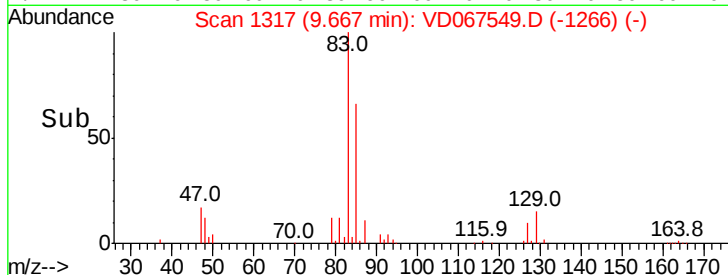
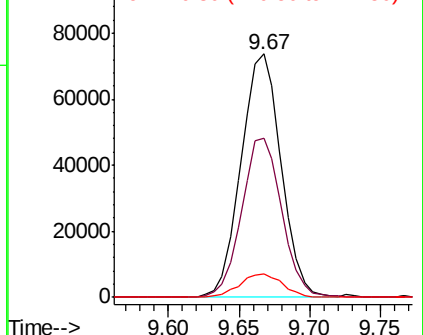
83 100

85 65.5 49.4 74.2

127 9.5 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: 42.758 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.07 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

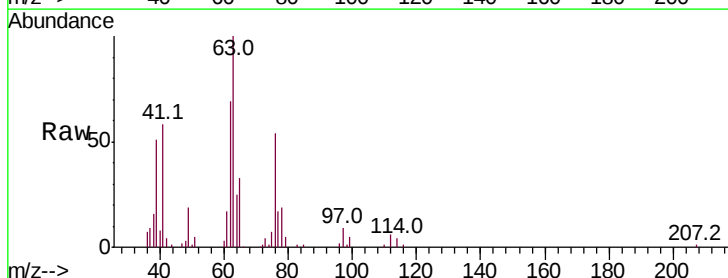
Tgt Ion: 41 Resp: 46011

Ion Ratio Lower Upper

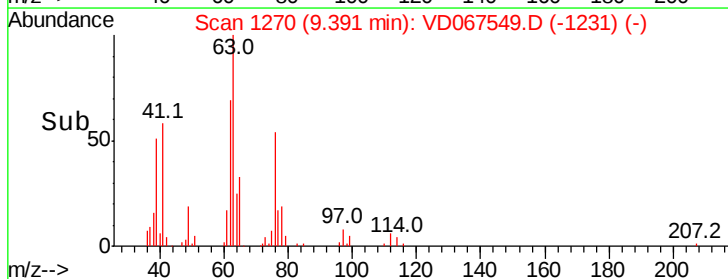
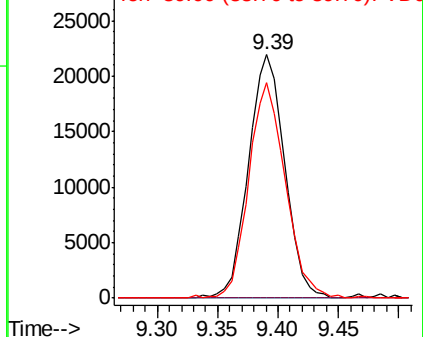
41 100

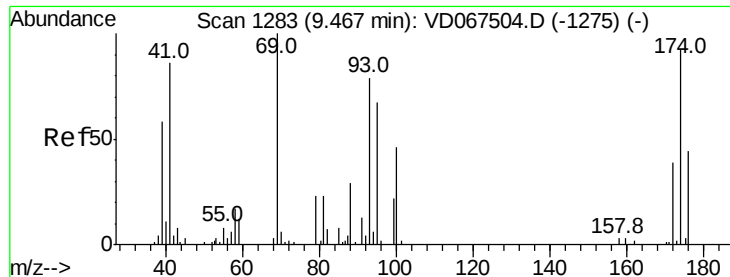
69 0.0 80.6 121.0#

39 89.5 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: 37.864 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.02 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

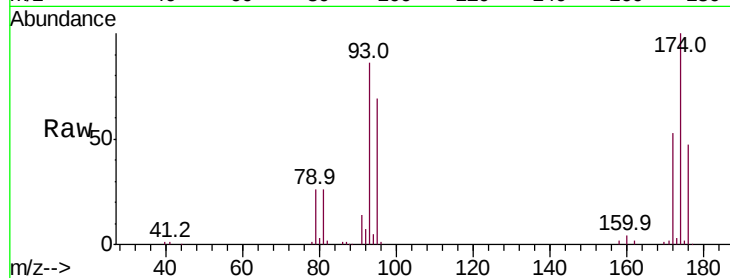
Tot Ion: 88 Resp: 581

Ion Ratio Lower Upper

88 100

43 0.0 23.6 35.4#

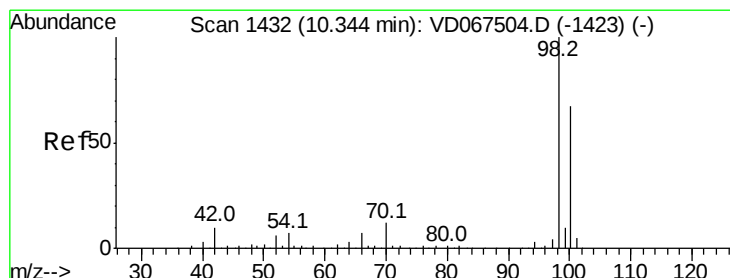
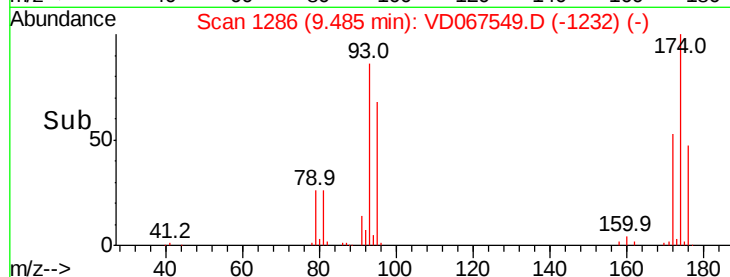
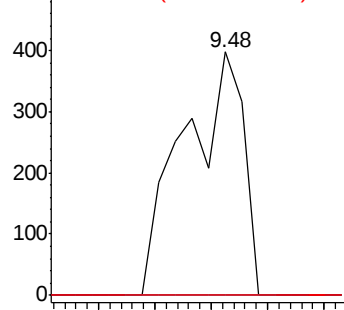
58 0.0 44.7 67.1#



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: 47.573 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067549.D

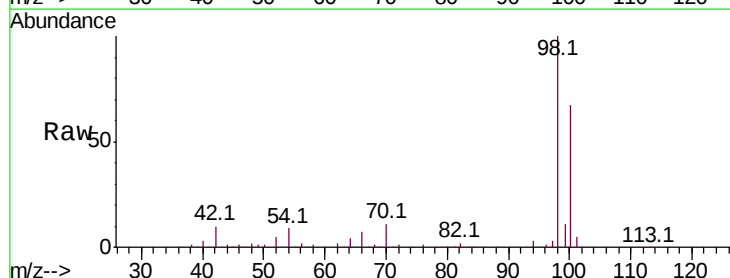
Acq: 06 Nov 2020 13:24

Tgt Ion: 98 Resp: 477652

Ion Ratio Lower Upper

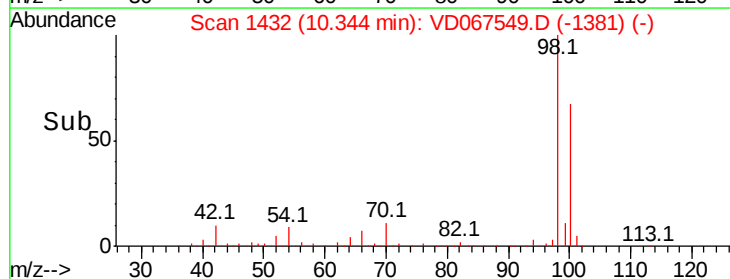
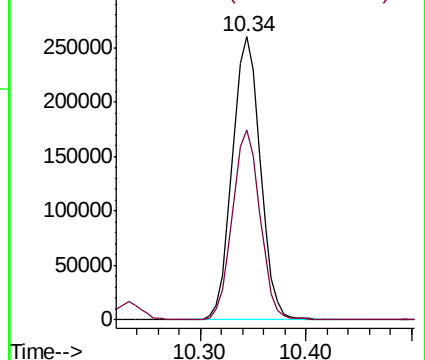
98 100

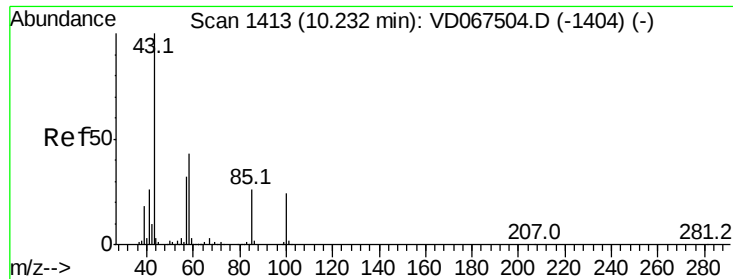
100 66.1 53.0 79.6



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: 122.402 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

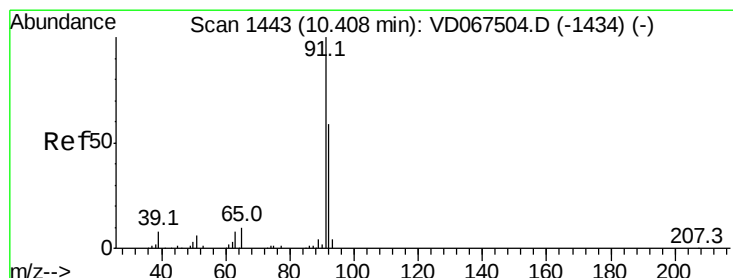
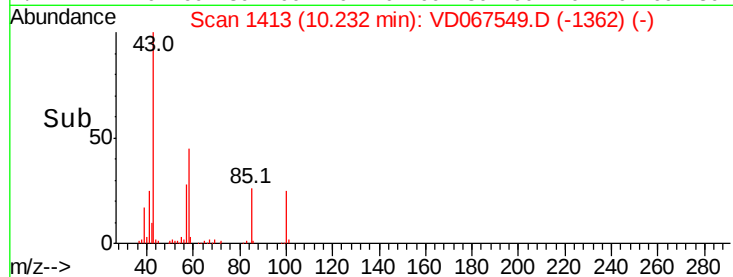
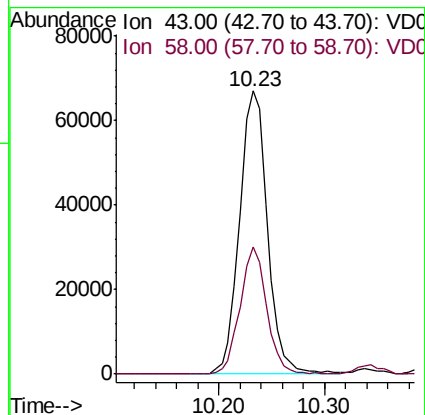
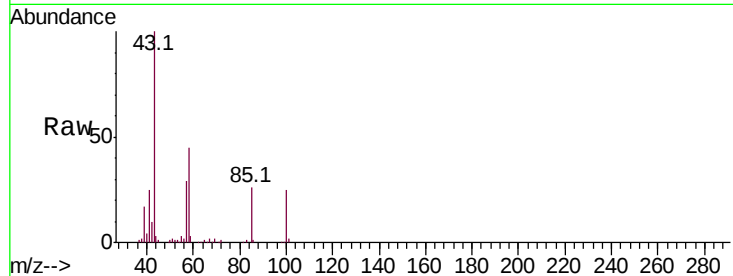
PT-VOA-SOILDL

Tot Ion: 43 Resp: 122004

Ion Ratio Lower Upper

43 100

58 43.1 35.6 53.4



#52

Toluene

Concen: 60.138 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067549.D

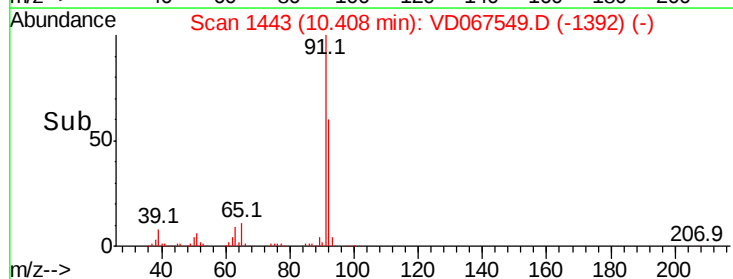
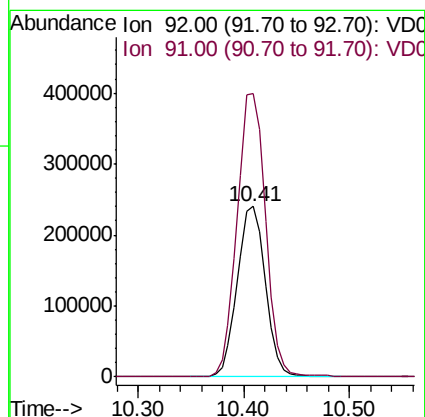
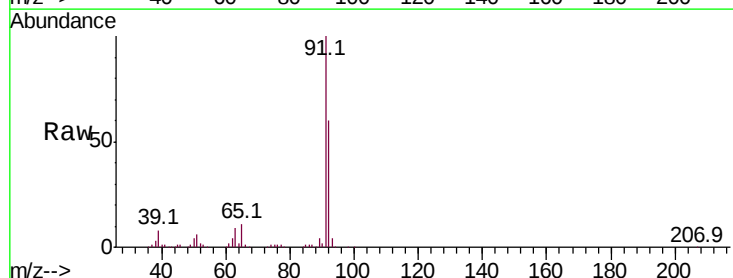
Acq: 06 Nov 2020 13:24

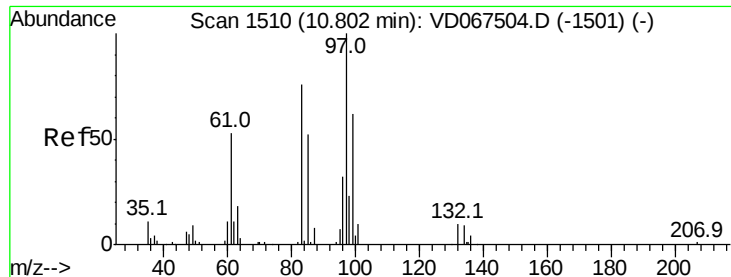
Tgt Ion: 92 Resp: 442887

Ion Ratio Lower Upper

92 100

91 168.8 137.0 205.6





#55

1,1,2-Trichloroethane

Concen: 60.571 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

Tot Ion: 97 Resp: 121138

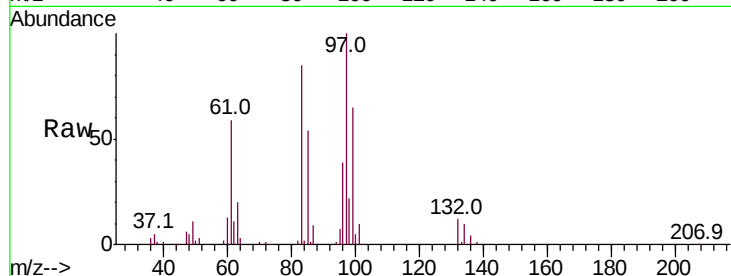
Ion	Ratio	Lower	Upper
97	100		
83	85.4	61.0	91.6
85	54.1	41.5	62.3
99	64.6	49.4	74.2

97 100

83 85.4 61.0 91.6

85 54.1 41.5 62.3

99 64.6 49.4 74.2



Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

100000

80000

60000

40000

20000

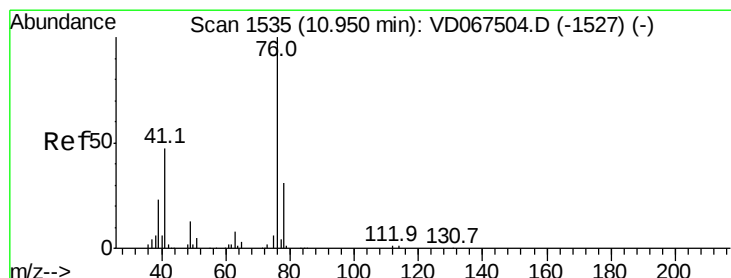
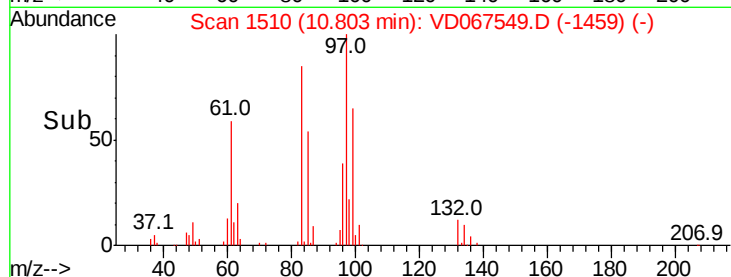
0

10.70

10.80

10.90

Time-->



#57

1,3-Dichloropropane

Concen: 26.277 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067549.D

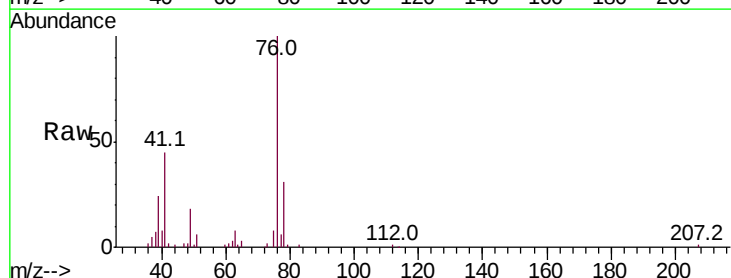
Acq: 06 Nov 2020 13:24

Tgt Ion: 76 Resp: 84566

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.1	39.1

76 100

78 33.1 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

50000

40000

30000

20000

10000

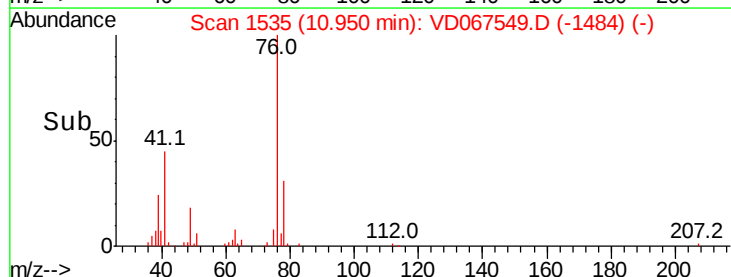
0

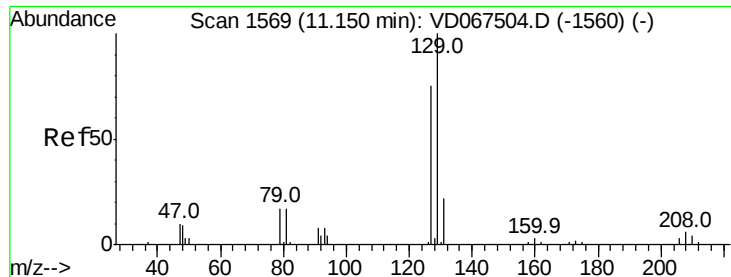
10.90

10.95

11.00

Time-->





#60

Dibromochloromethane

Concen: 27.257 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

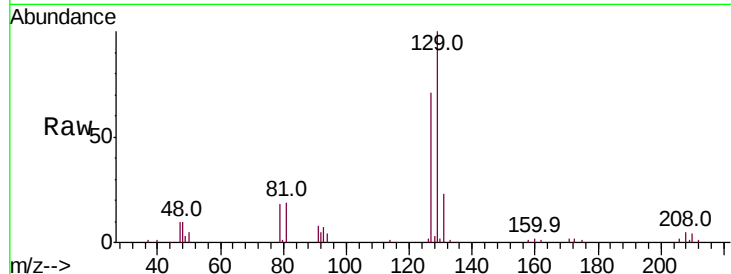
PT-VOA-SOILDL

Tot Ion:129 Resp: 80637

Ion Ratio Lower Upper

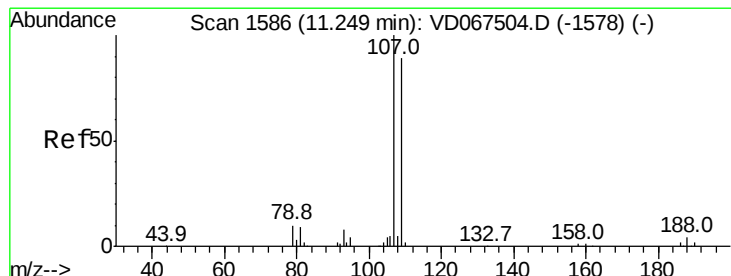
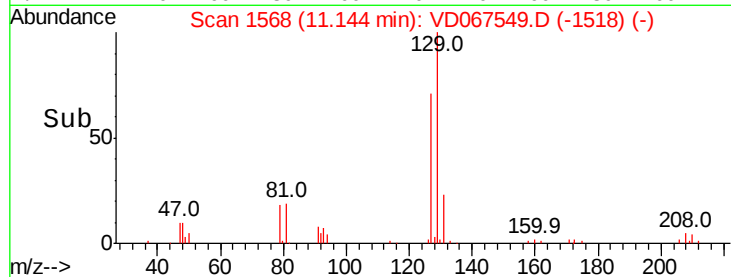
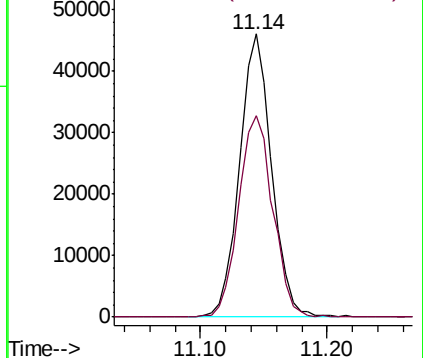
129 100

127 75.9 38.0 114.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 83.873 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067549.D

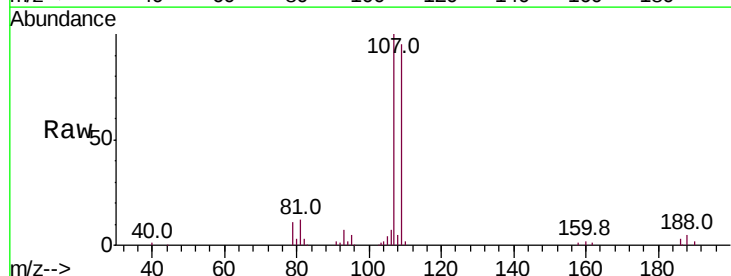
Acq: 06 Nov 2020 13:24

Tgt Ion:107 Resp: 168349

Ion Ratio Lower Upper

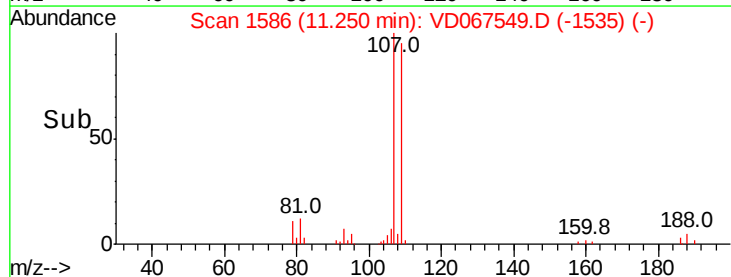
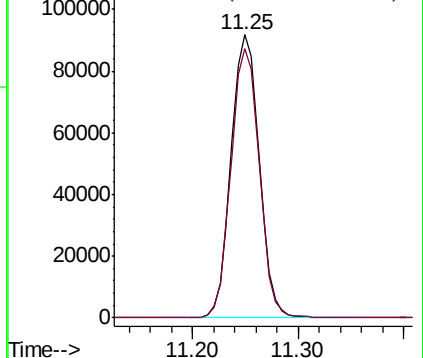
107 100

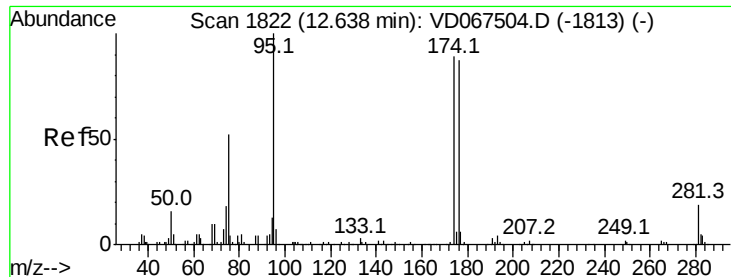
109 95.9 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 47.297 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

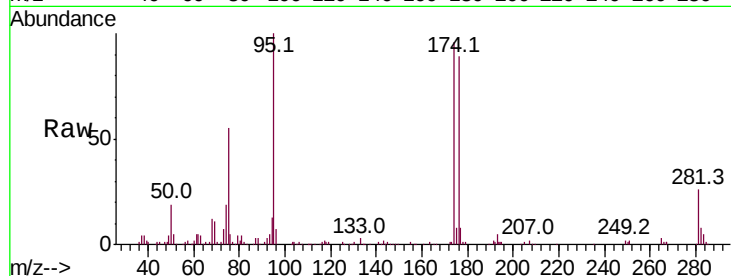
Tot Ion: 95 Resp: 163951

Ion Ratio Lower Upper

95 100

174 90.9 0.0 177.8

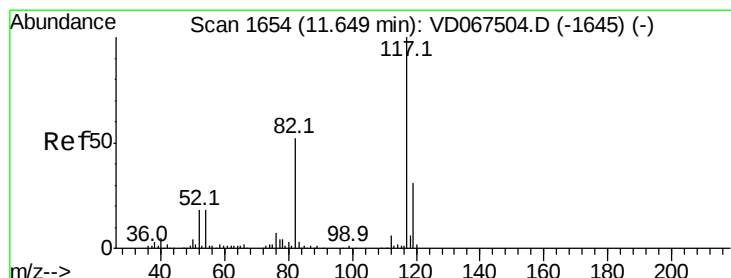
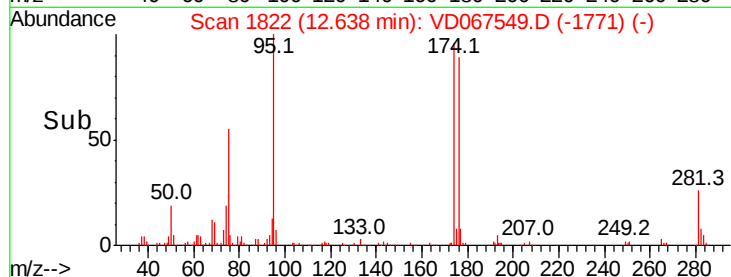
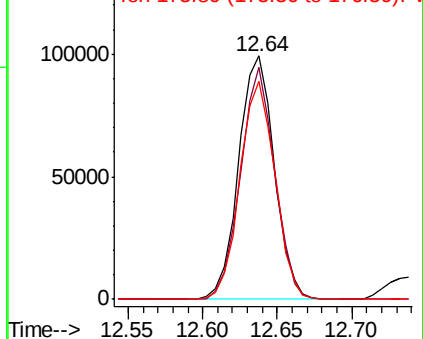
176 88.2 0.0 172.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

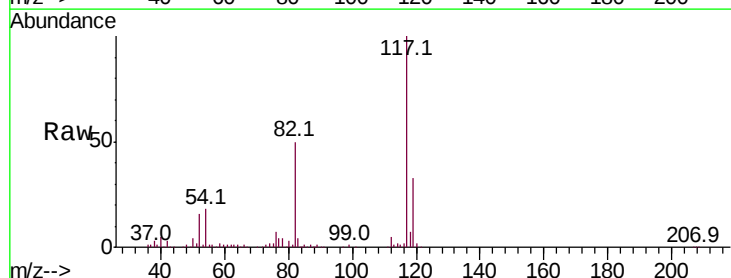
Tgt Ion: 117 Resp: 428751

Ion Ratio Lower Upper

117 100

82 50.1 41.6 62.4

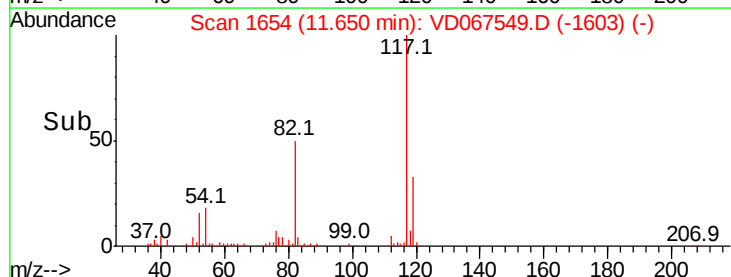
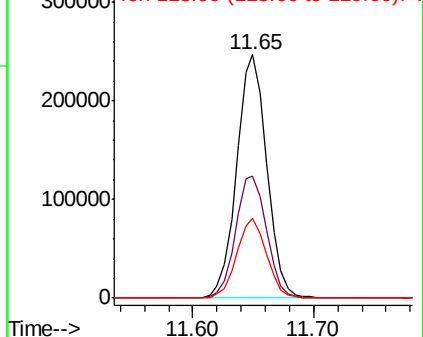
119 32.7 25.1 37.7

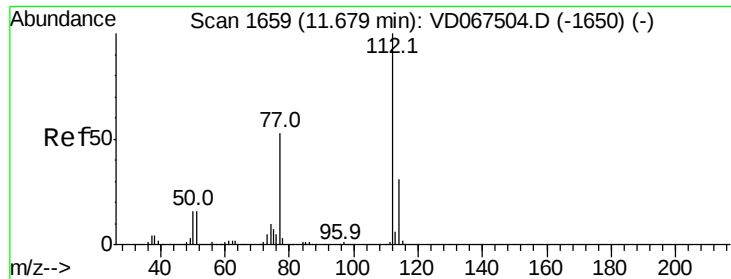


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

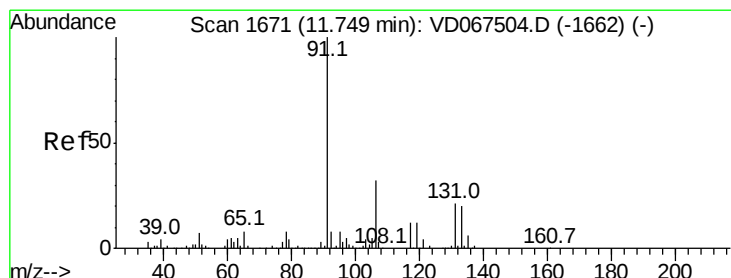
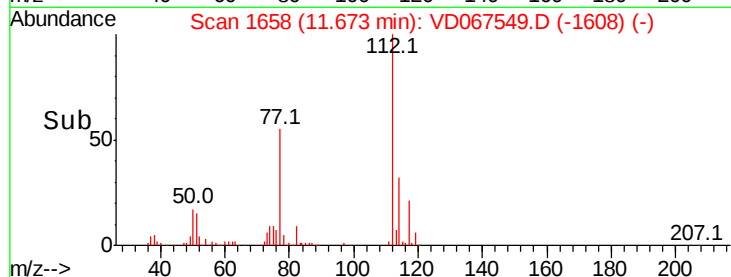
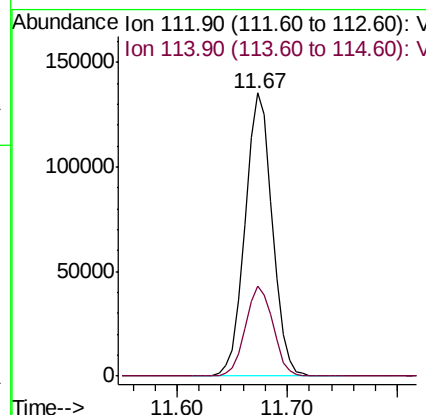
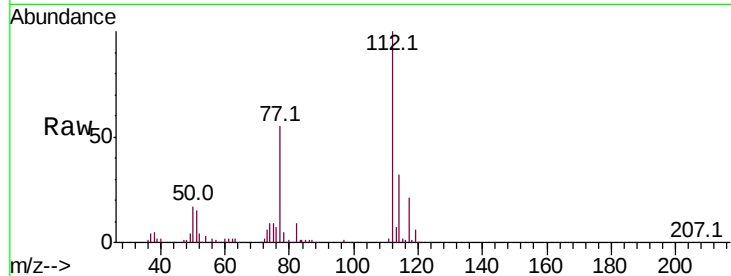




#65
Chlorobenzene
Concen: 28.377 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067549.D
Acq: 06 Nov 2020 13:24

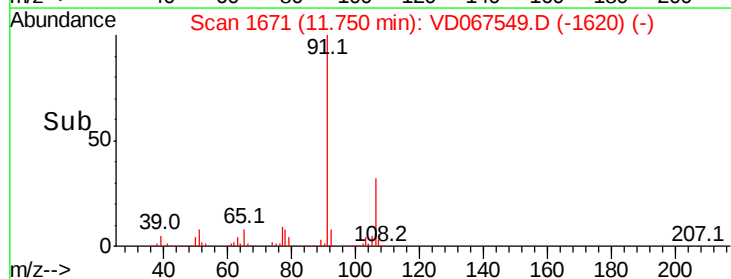
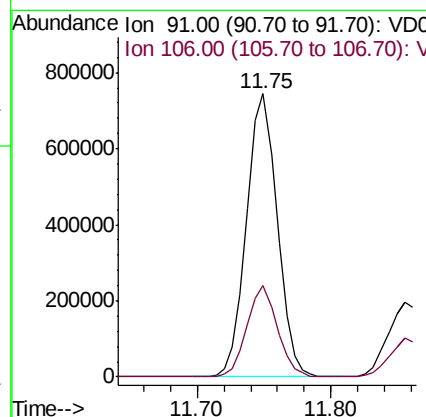
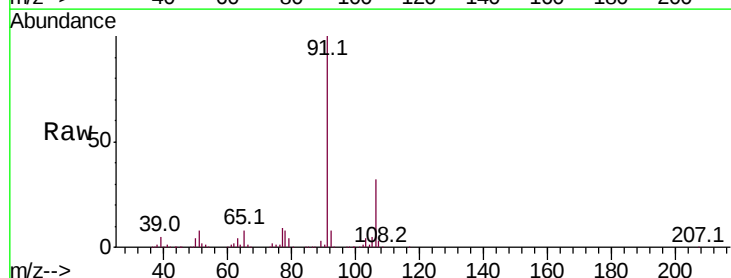
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

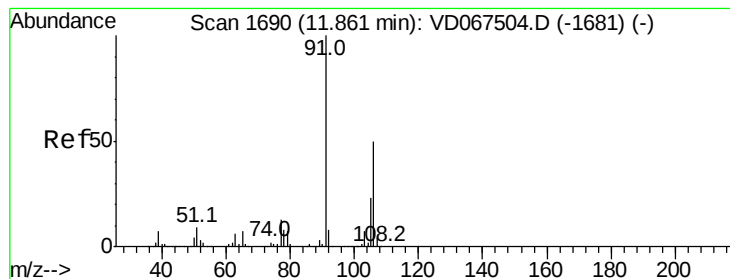
Tot Ion:112 Resp: 234362
Ion Ratio Lower Upper
112 100
114 31.7 24.9 37.3



#67
Ethyl Benzene
Concen: 84.037 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067549.D
Acq: 06 Nov 2020 13:24

Tgt Ion: 91 Resp: 1187663
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5





#68

m/p-Xylenes

Concen: 33.693 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

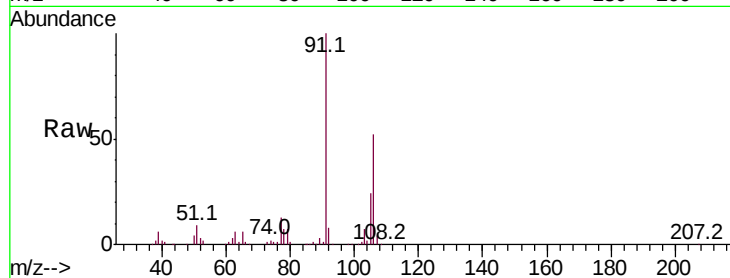
PT-VOA-SOILD

Tot Ion:106 Resp: 185250

Ion Ratio Lower Upper

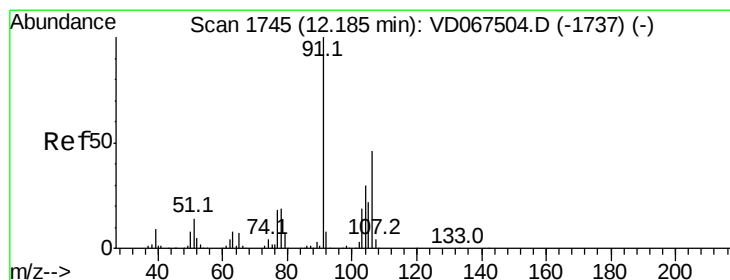
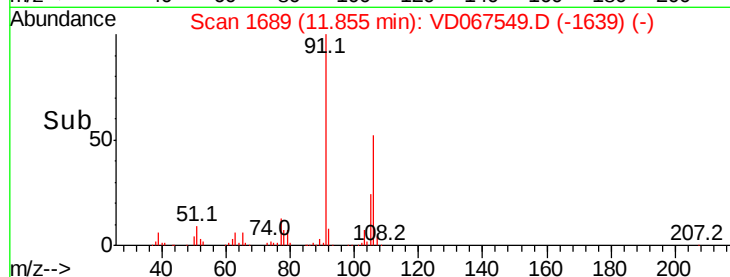
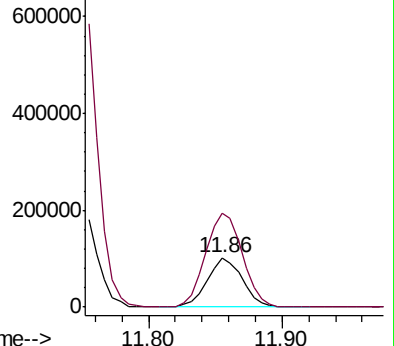
106 100

91 200.7 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 33.822 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD067549.D

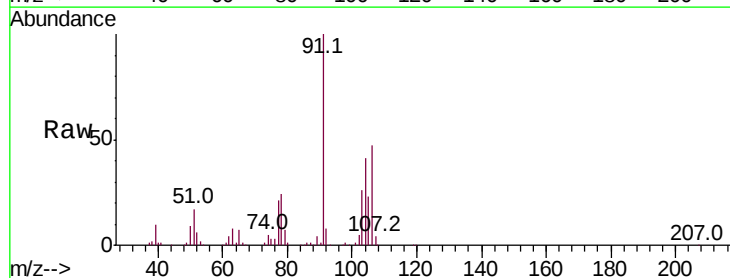
Acq: 06 Nov 2020 13:24

Tgt Ion:106 Resp: 166032

Ion Ratio Lower Upper

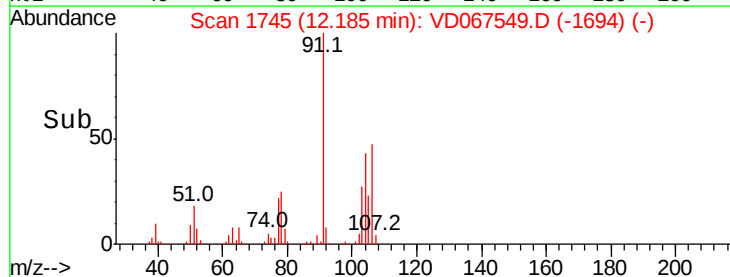
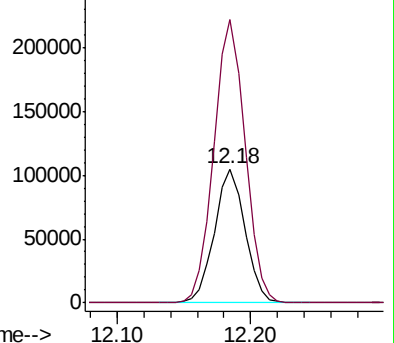
106 100

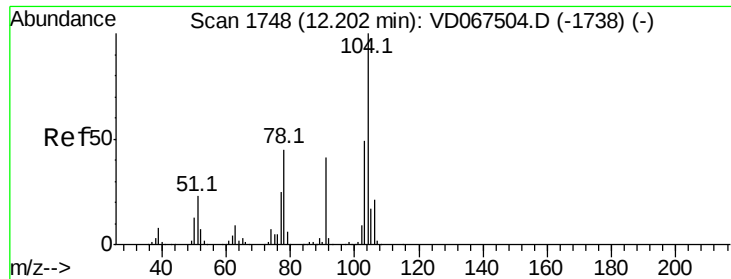
91 215.9 107.1 321.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

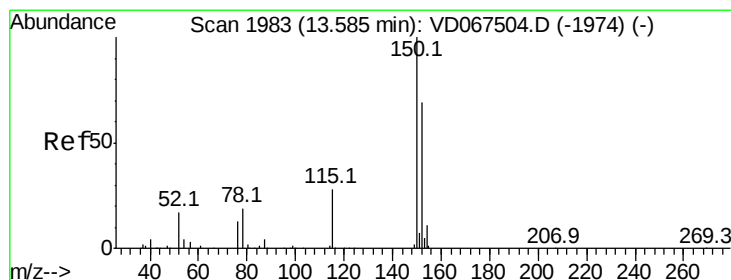
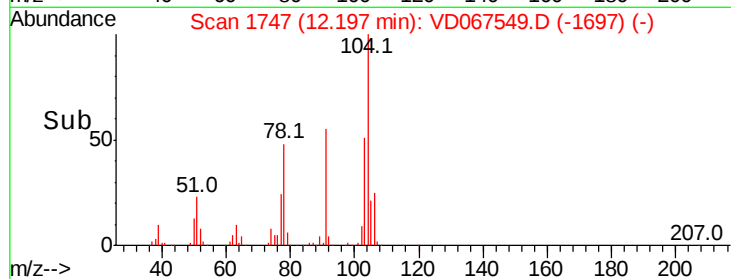
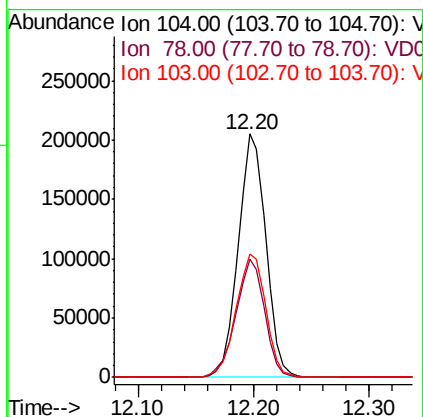
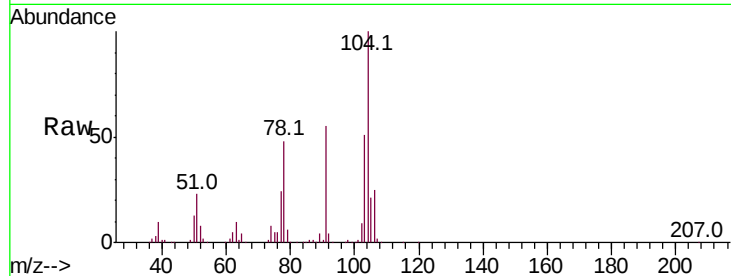




#70
Stvrene
Concen: 39.753 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067549.D
Acq: 06 Nov 2020 13:24

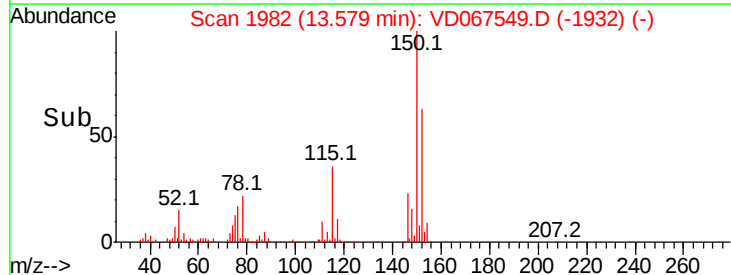
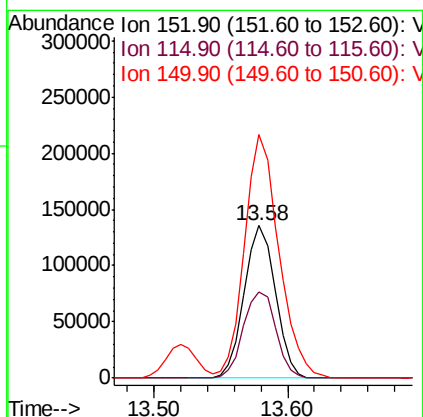
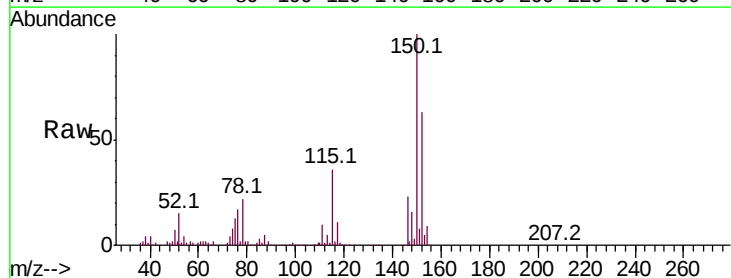
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

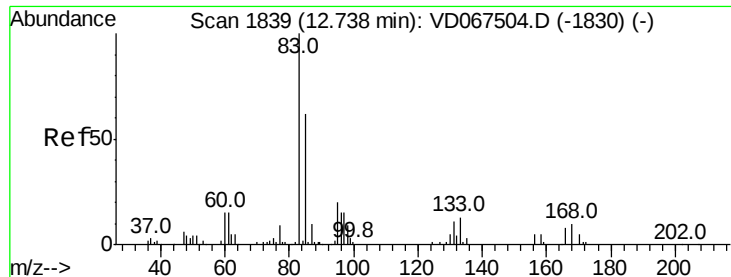
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.8	59.8
103	54.4	43.9	65.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067549.D
Acq: 06 Nov 2020 13:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.3	88.0
150	175.6	0.0	338.2





#75

1,1,2,2-Tetrachloroethane

Concen: 40.658 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

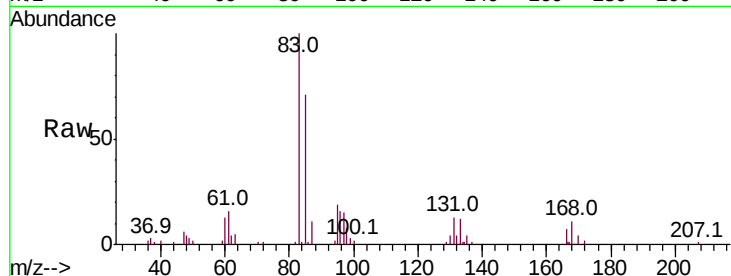
Tot Ion: 83 Resp: 78433

Ion Ratio Lower Upper

83 100

131 12.3 7.1 21.3

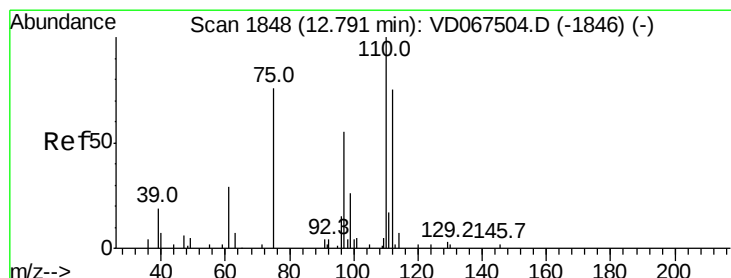
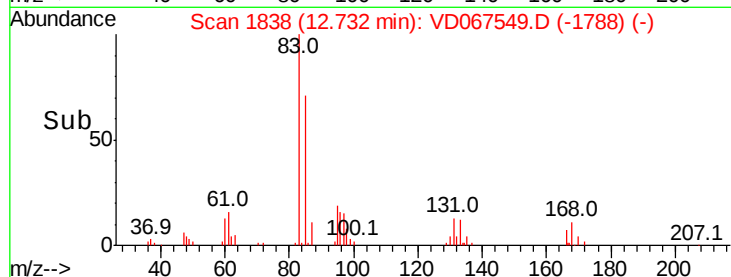
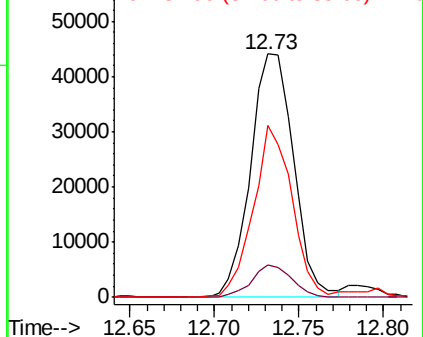
85 64.2 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 83.453 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067549.D

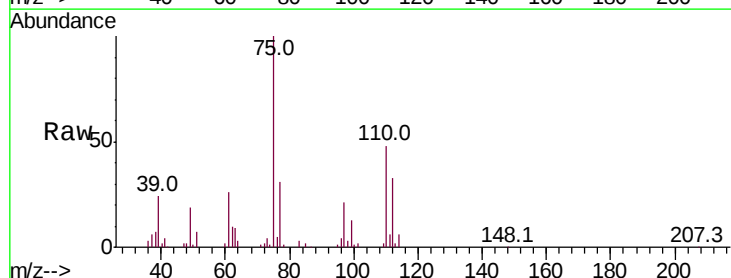
Acq: 06 Nov 2020 13:24

Tgt Ion: 75 Resp: 110200

Ion Ratio Lower Upper

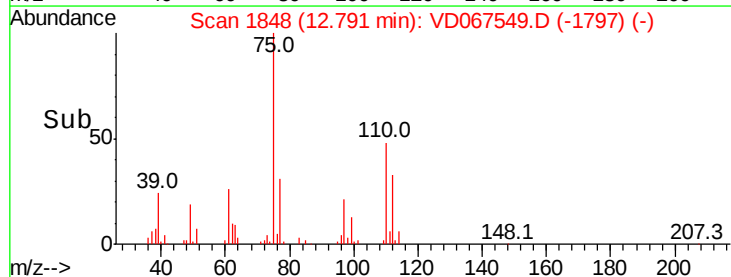
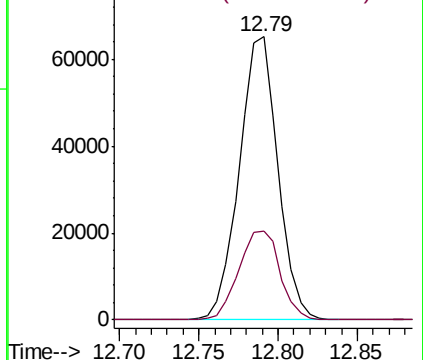
75 100

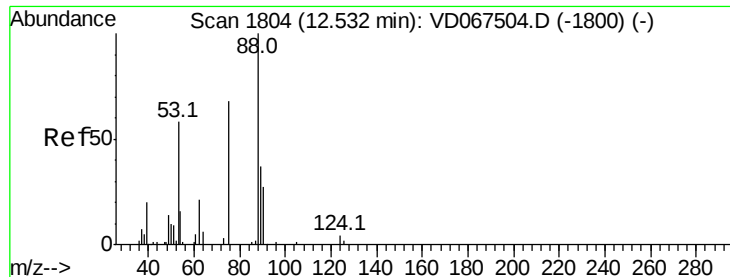
77 33.6 0.0 0.0#



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: 136.084 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

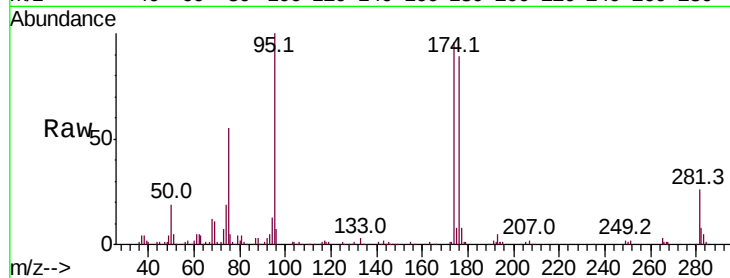
Tot Ion: 75 Resp: 88510

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

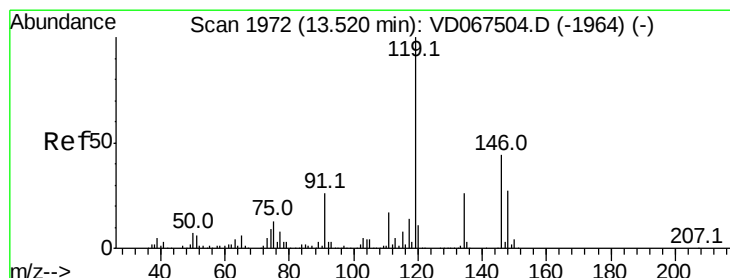
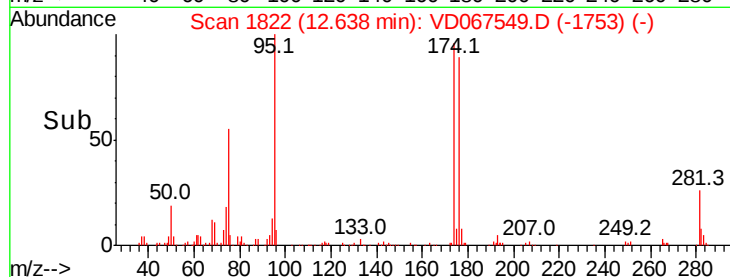
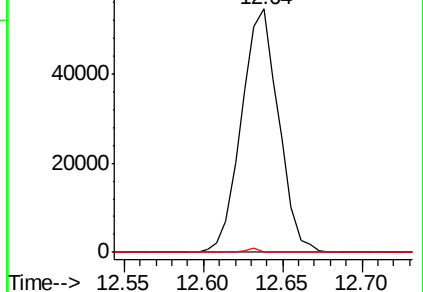
89 0.7 44.6 67.0#



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



#87

1,3-Dichlorobenzene

Concen: 68.254 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

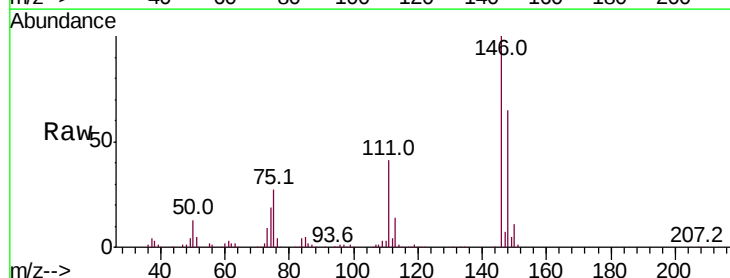
Tgt Ion: 146 Resp: 452485

Ion Ratio Lower Upper

146 100

111 39.7 20.3 60.8

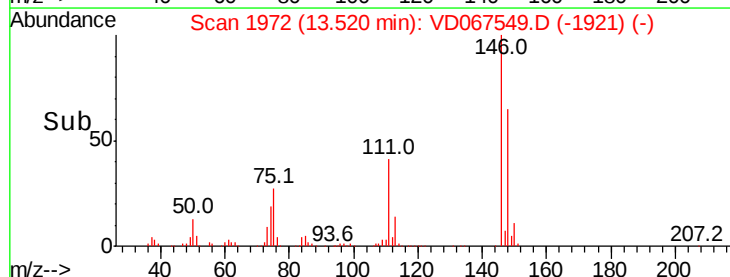
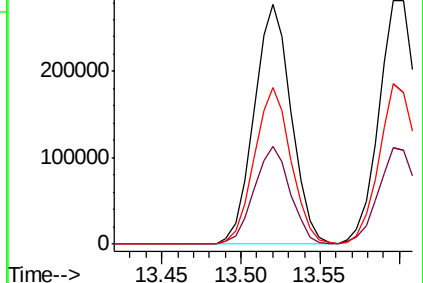
148 64.4 31.9 95.9

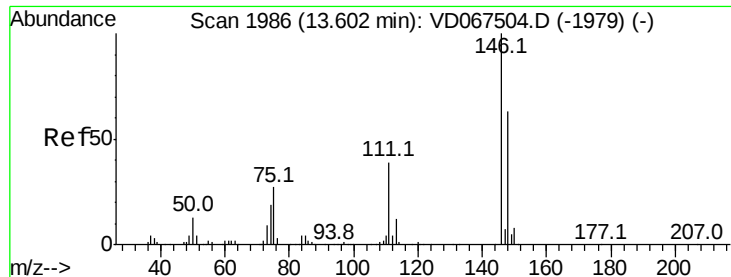


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 69.753 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

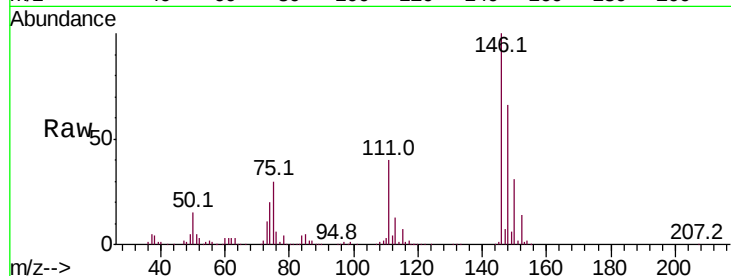
Tot Ion:146 Resp: 468232

Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.7

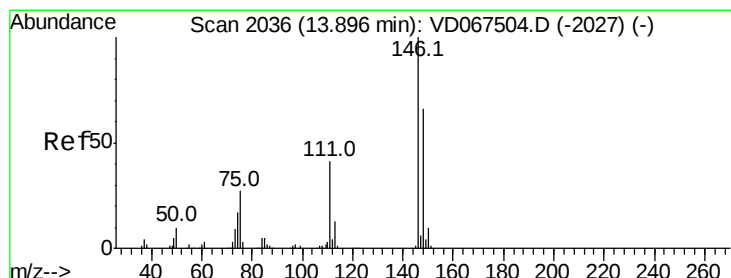
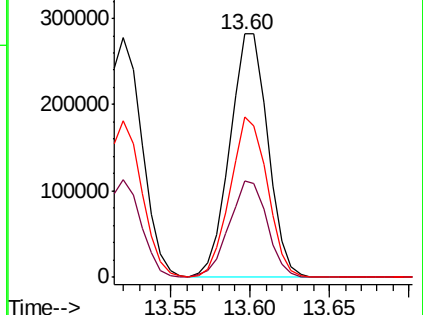
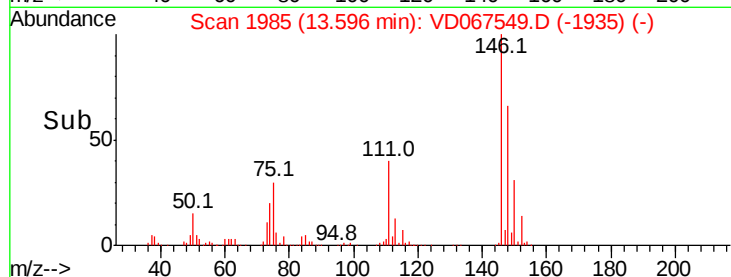
148 64.7 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 72.058 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

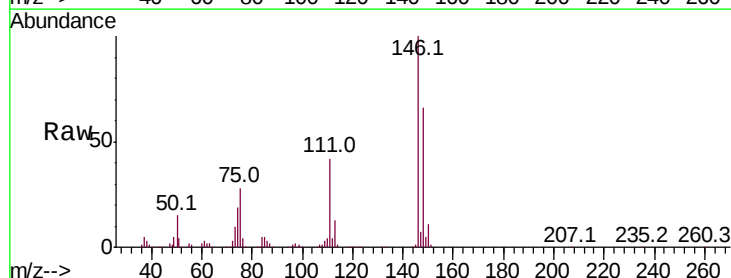
Tgt Ion:146 Resp: 413435

Ion Ratio Lower Upper

146 100

111 41.4 20.7 62.1

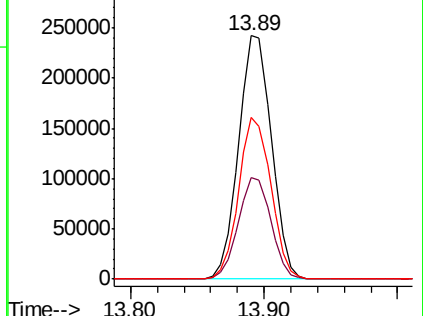
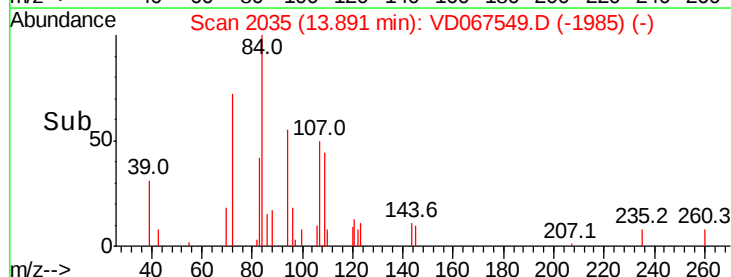
148 65.1 31.5 94.5

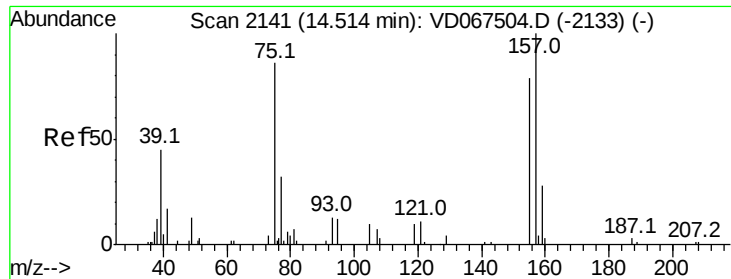


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 66.429 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

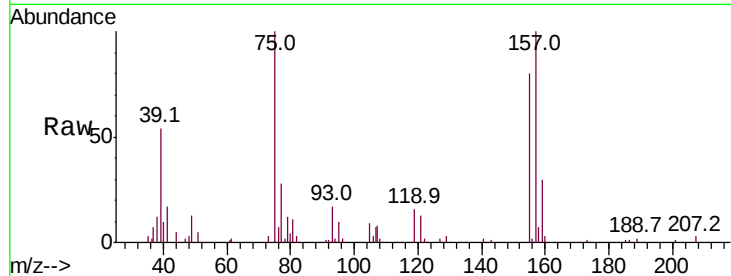
MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

Tot Ion: 75 Resp: 22689

Ion	Ratio	Lower	Upper
75	100		
155	91.2	46.6	139.8
157	112.5	58.1	174.2

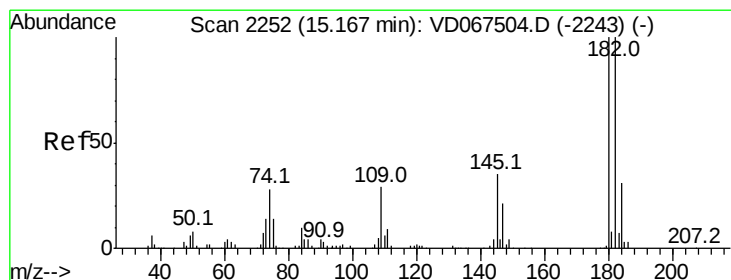
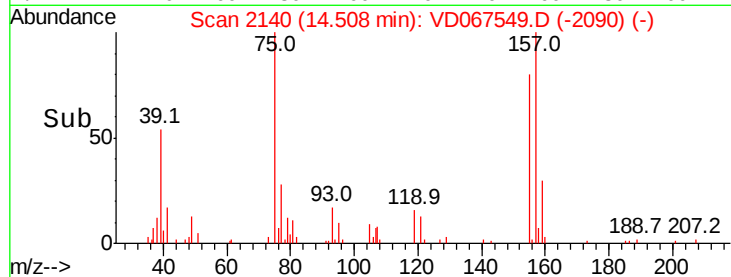
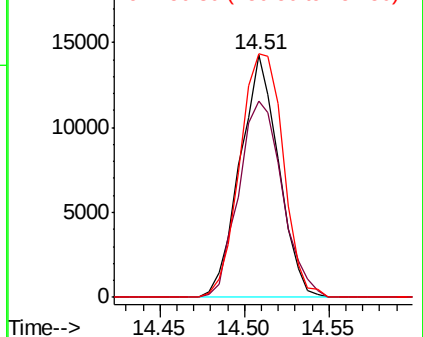


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 56.109 ug/l

RT: 15.17 min Scan# 2252

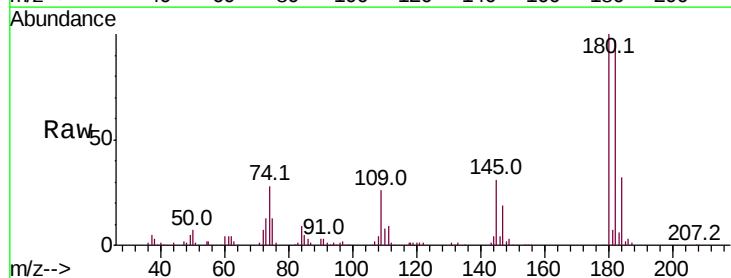
Delta R.T. 0.00 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Tgt Ion:180 Resp: 218500

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.4	142.3
145	32.1	16.2	48.6

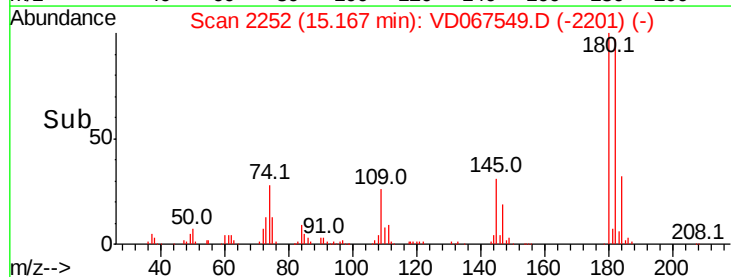
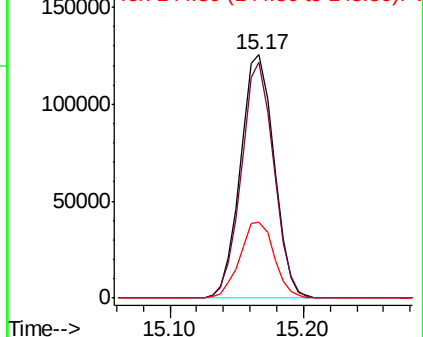


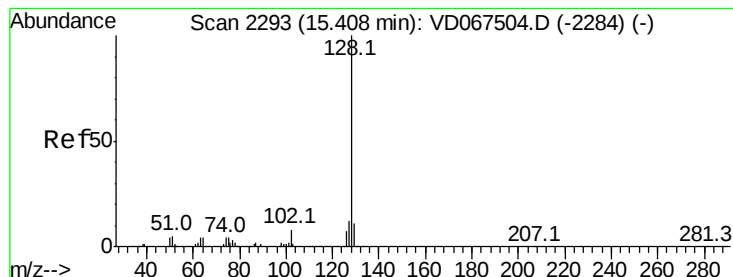
Abundance

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: 48.942 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067549.D

Acq: 06 Nov 2020 13:24

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

Tot Ion:128 Resp: 294125

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.9 8.9 13.3

