

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060351.D
 Acq On : 12 Nov 2018 22:08
 Operator : JC/SY
 Sample : J5807-23DL 4X
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILD

Quant Time: Nov 13 00:42:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1554496	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.43	114	2139588	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1740482	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	921701	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	574413	51.61	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	6.31	113	823144	51.59	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	9.44	98	2373105	50.82	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.42	95	845341	49.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.59	85	2893	Below Cal	88
11) Tert butyl alcohol	4.08	59	35095	76.785 ug/l #	1
15) Acrylonitrile	4.10	53	10382	3.895 ug/l #	8
16) Acetone	3.15	43	285591	147.921 ug/l	99
19) Methyl tert-butyl Ether	4.10	73	931936	41.033 ug/l	99
20) Methylene Chloride	3.71	84	833006	48.638 ug/l	96
21) trans-1,2-Dichloroethene	4.08	96	809414	48.061 ug/l	95
22) Diisopropyl ether	4.84	45	2310458	42.612 ug/l #	85
23) Vinyl Acetate	4.83	43	930833	34.502 ug/l #	79
24) 1,1-Dichloroethane	4.74	63	323187	11.624 ug/l	99
25) 2-Butanone	5.60	43	341700	85.147 ug/l	100
27) cis-1,2-Dichloroethene	5.58	96	366563	20.893 ug/l	98
28) Bromochloromethane	5.91	49	441889	36.019 ug/l	95
30) Chloroform	6.08	83	958470	34.482 ug/l	97
31) Cyclohexane	6.39	56	29078	1.094 ug/l #	1
32) 1,1,1-Trichloroethane	6.28	97	1004018	42.881 ug/l	99
36) 1,1-Dichloropropene	6.39	75	115465	5.462 ug/l #	46
37) Ethyl Acetate	5.60	43	345855	35.556 ug/l #	16
38) Carbon Tetrachloride	6.39	117	123772	6.312 ug/l #	17
40) Benzene	6.78	78	2631719	48.774 ug/l	100
42) 1,2-Dichloroethane	6.88	62	648812	45.940 ug/l	97
44) Trichloroethene	7.73	130	323678	19.789 ug/l	95
45) 1,2-Dichloropropane	8.09	63	298109	21.907 ug/l	97
46) Dibromomethane	8.20	93	188528	23.654 ug/l	98
48) Methyl methacrylate	8.08	41	197176	26.568 ug/l #	48
49) 1,4-Dioxane	8.21	88	1043	16.242 ug/l #	18
51) 4-Methyl-2-Pentanone	9.33	43	725419	91.220 ug/l	100
52) Toluene	9.54	92	1487564	43.159 ug/l	98
53) t-1,3-Dichloropropene	9.90	75	172892	10.895 ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	625167	30.716 ug/l	98
59) 2-Hexanone	10.47	43	163817	28.902 ug/l	94
60) Dibromochloromethane	10.63	129	177876	14.648 ug/l	94
61) 1,2-Dibromoethane	10.75	107	320836	32.054 ug/l	100
64) Tetrachloroethene	10.24	164	305905	19.688 ug/l	97

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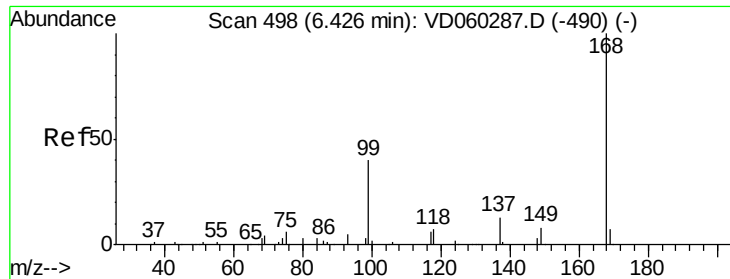
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Quant Time: Nov 13 00:42:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

65) Chlorobenzene	11.30	112	1379451	36.579	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	200094	16.217	ug/l	98
67) Ethyl Benzene	11.55	91	1882208	29.177	ug/l #	67
68) m/p-Xylenes	11.55	106	913862	38.403	ug/l	97
69) o-Xylene	11.93	106	865646	37.653	ug/l	93
70) Styrene	11.92	104	39988	1.076	ug/l #	1
71) Bromoform	12.10	173	261419	31.529	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	67057	6.106	ug/l	98
78) n-propylbenzene	12.63	91	1434290	17.112	ug/l	99
79) 2-Chlorotoluene	12.63	91	1434290	31.243	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.41	75	347575	110.728	ug/l #	15
86) p-Isopropyltoluene	13.33	119	1266338	22.121	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	420484	13.250	ug/l	94
88) 1,4-Dichlorobenzene	13.31	146	420484	13.567	ug/l	98
89) n-Butylbenzene	13.64	91	1573	Below Cal	#	85
91) 1,2-Dichlorobenzene	13.65	146	778105	29.850	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	21516	16.230	ug/l	88
95) Naphthalene	14.96	128	558942	22.148	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

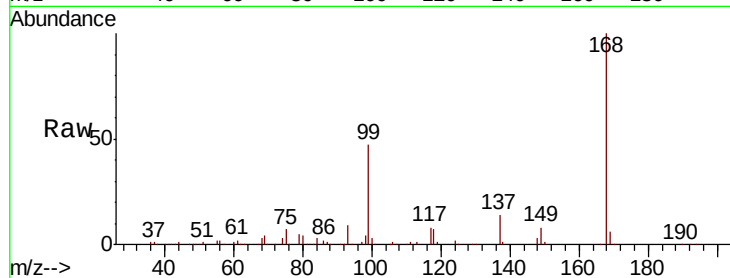
PT-VOA-SOILD

Tgt Ion:168 Resp: 1554496

Ion Ratio Lower Upper

168 100

99 47.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

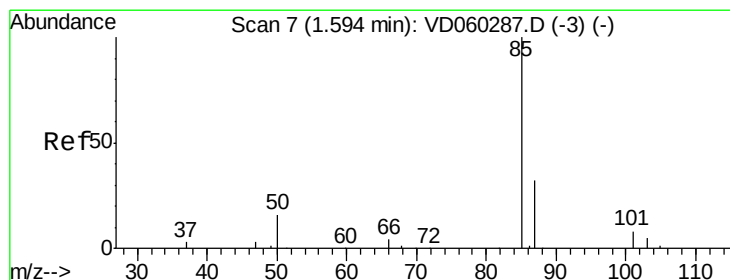
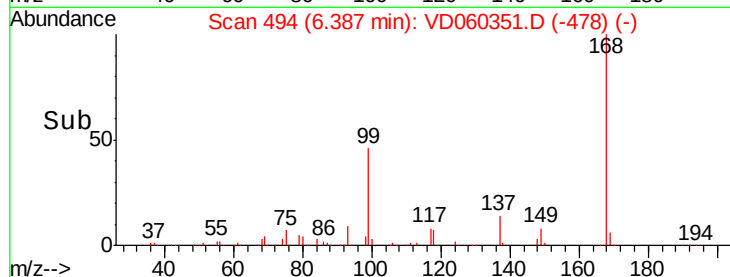
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060351.D

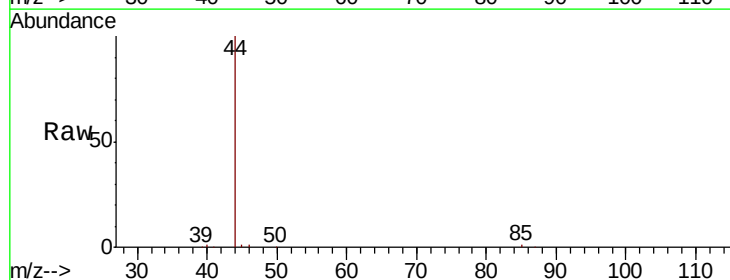
Acq: 12 Nov 2018 22:08

Tgt Ion: 85 Resp: 2893

Ion Ratio Lower Upper

85 100

87 27.0 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

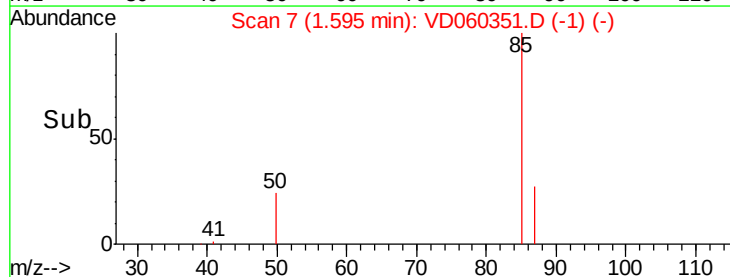
1500

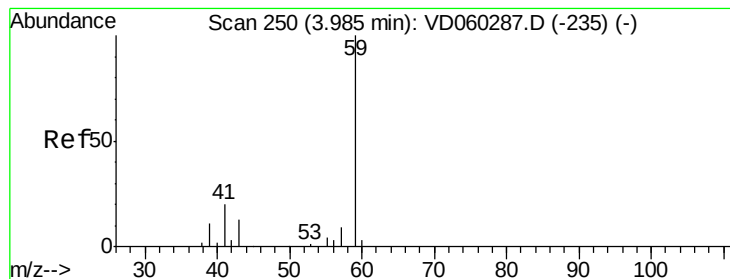
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 76.785 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.10 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

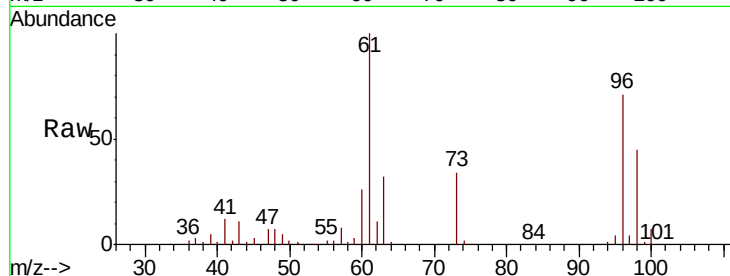
PT-VOA-SOILD

Tgt Ion: 59 Resp: 35095

Ion Ratio Lower Upper

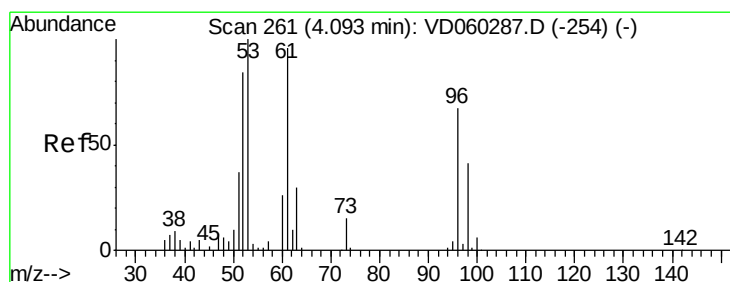
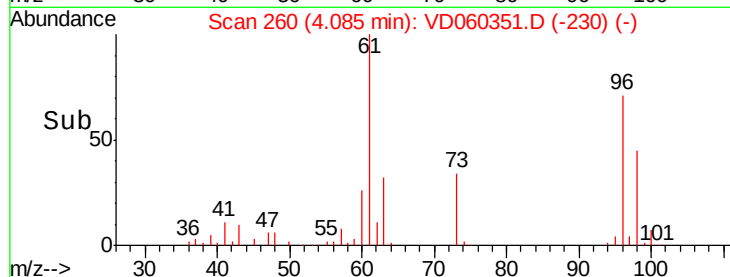
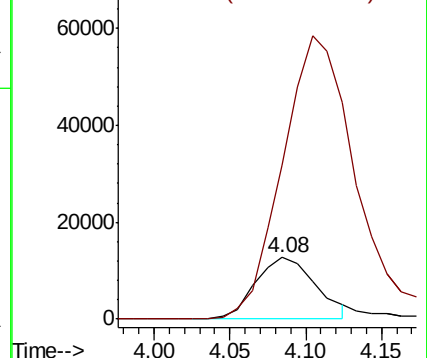
59 100

57 250.5 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#15

Acrylonitrile

Concen: 3.895 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

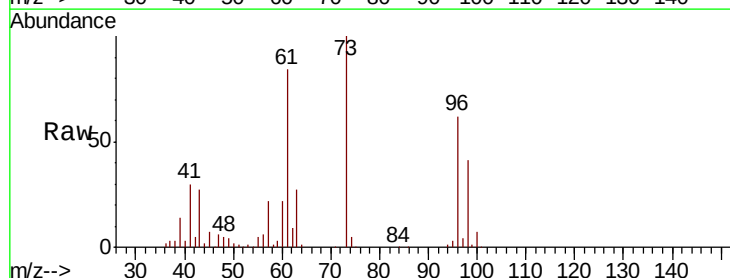
Tgt Ion: 53 Resp: 10382

Ion Ratio Lower Upper

53 100

52 13.8 67.0 100.4#

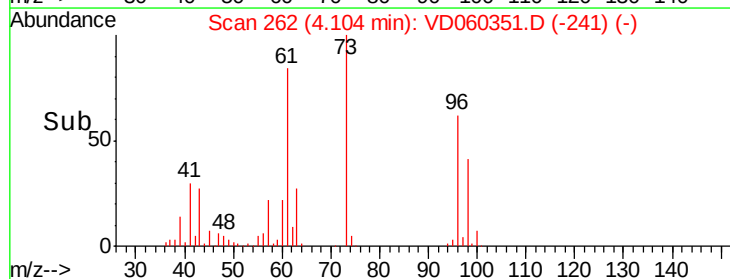
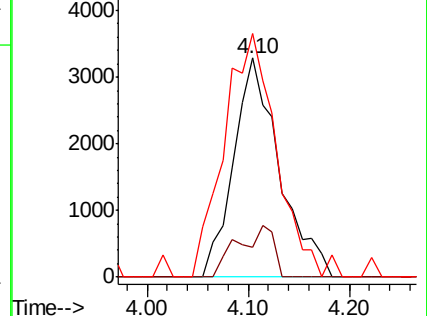
51 111.3 29.9 44.9#

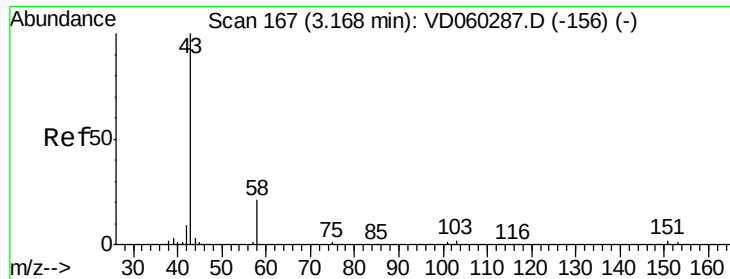


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 147.921 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

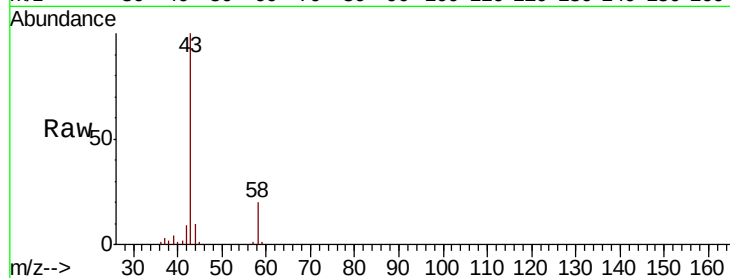
PT-VOA-SOILDL

Tgt Ion: 43 Resp: 285591

Ion Ratio Lower Upper

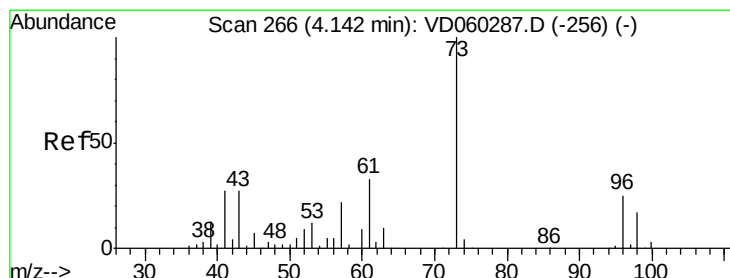
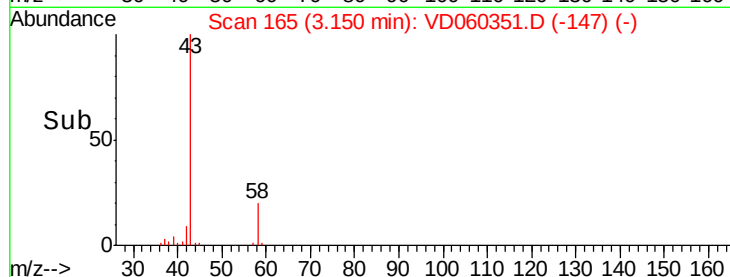
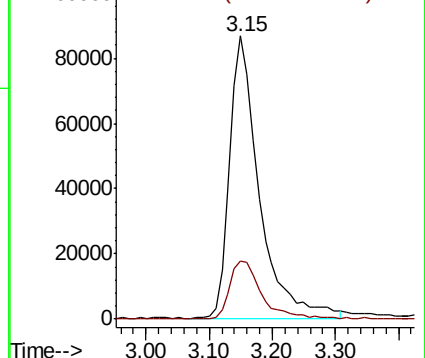
43 100

58 20.5 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#19

Methyl tert-butyl Ether

Concen: 41.033 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.04 min

Lab File: VD060351.D

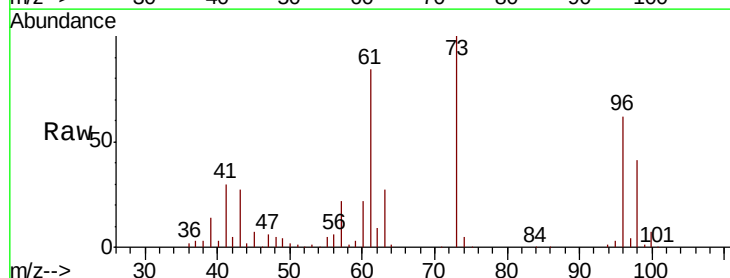
Acq: 12 Nov 2018 22:08

Tgt Ion: 73 Resp: 931936

Ion Ratio Lower Upper

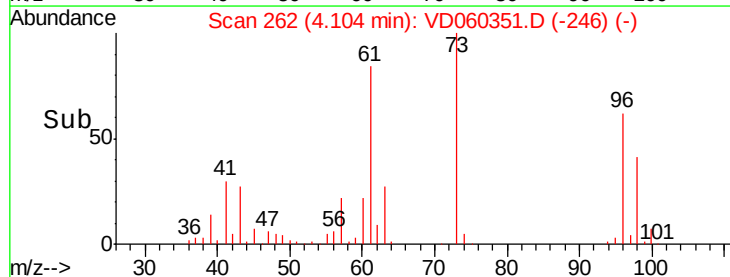
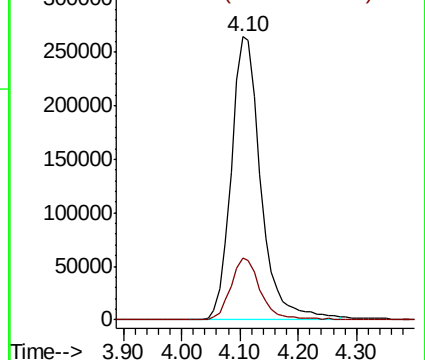
73 100

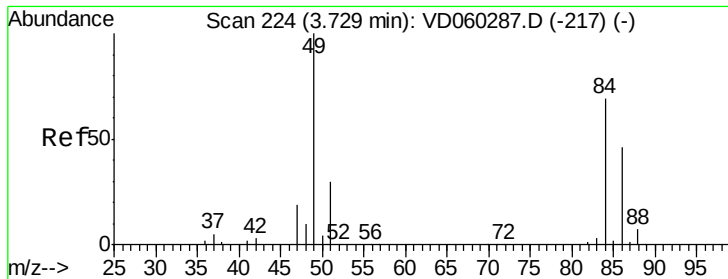
57 22.1 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

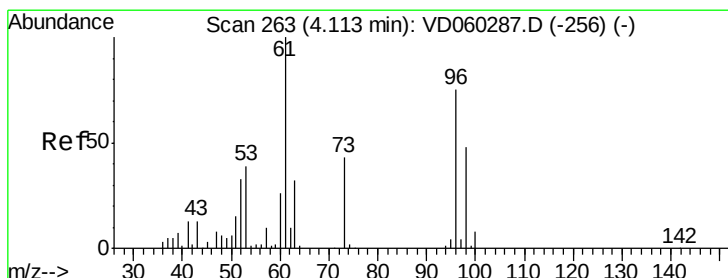
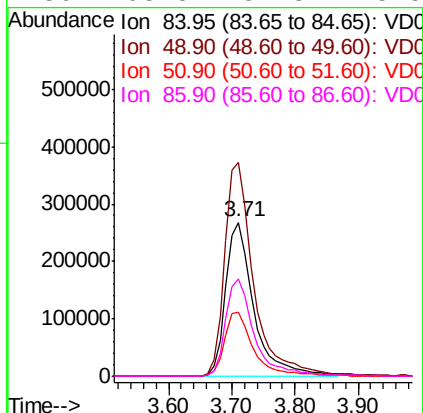
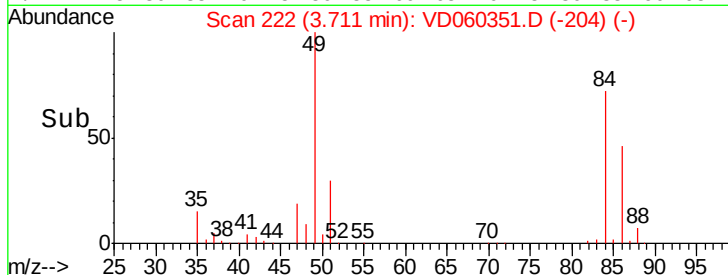
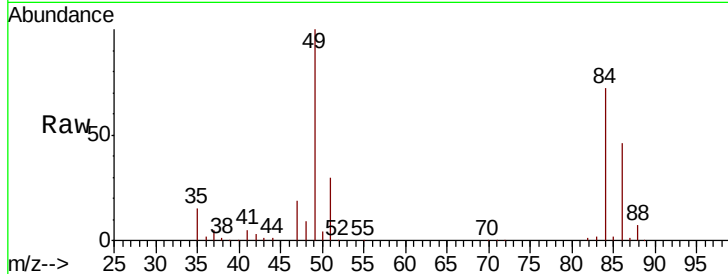




#20
Methylene Chloride
Concen: 48.638 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

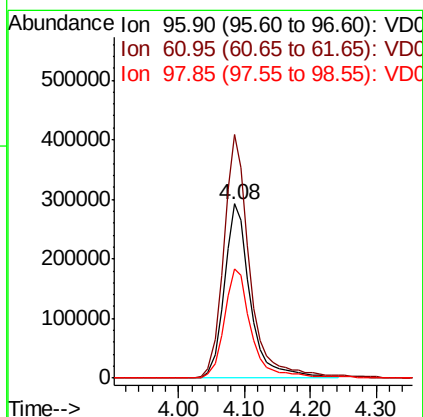
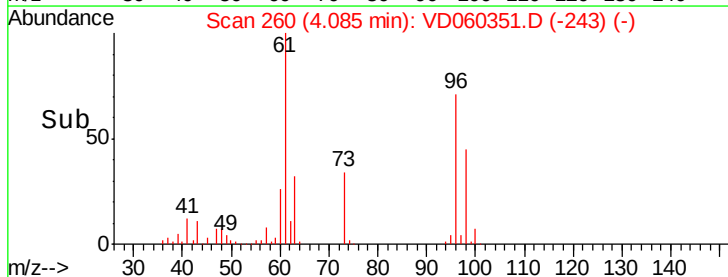
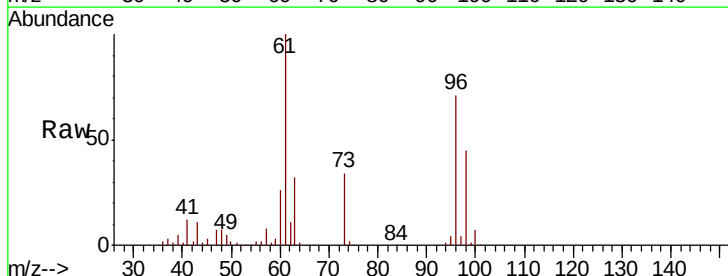
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

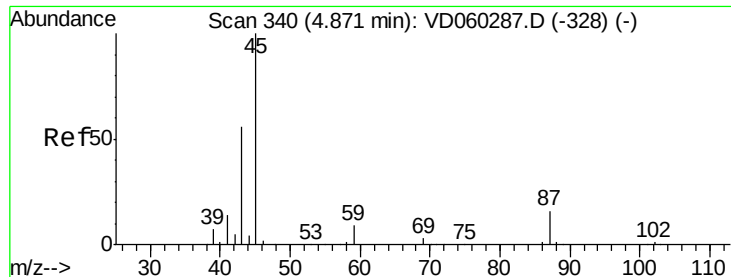
Tgt Ion:	84	Resp:	833006
Ion	Ratio	Lower	Upper
84	100		
49	138.6	115.6	173.4
51	41.8	35.6	53.4
86	63.3	52.3	78.5



#21
trans-1,2-Dichloroethene
Concen: 48.061 ug/l
RT: 4.08 min Scan# 260
Delta R.T. -0.03 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion:	96	Resp:	809414
Ion	Ratio	Lower	Upper
96	100		
61	139.9	105.8	158.6
98	62.6	50.8	76.2





#22

Diisopropyl ether

Concen: 42.612 ug/l

RT: 4.84 min Scan# 337

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILD

Tgt Ion: 45 Resp: 2310458

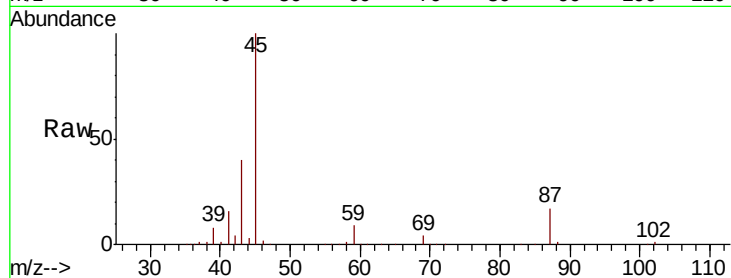
Ion Ratio Lower Upper

45 100

43 40.0 44.9 67.3#

87 17.1 13.9 20.9

59 9.0 7.0 10.6

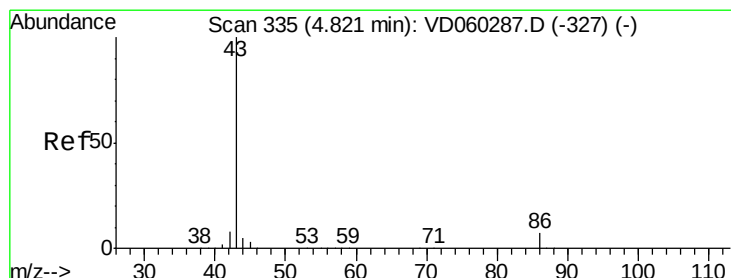
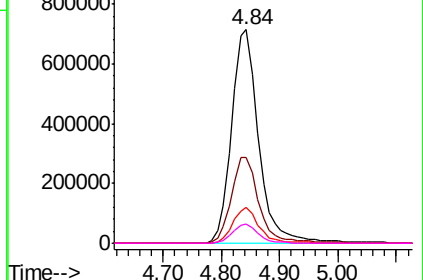
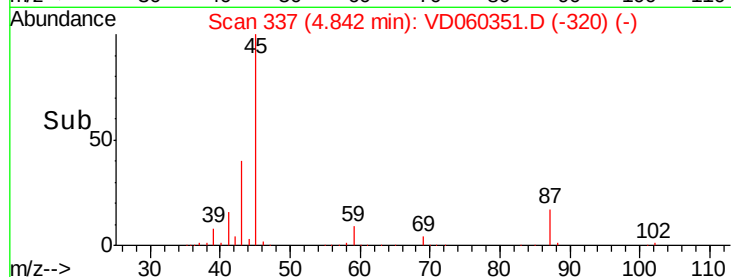


Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC



#23

Vinyl Acetate

Concen: 34.502 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060351.D

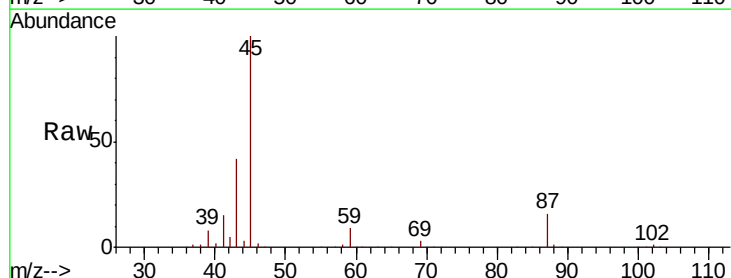
Acq: 12 Nov 2018 22:08

Tgt Ion: 43 Resp: 930833

Ion Ratio Lower Upper

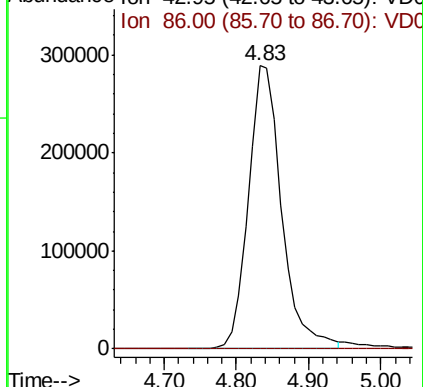
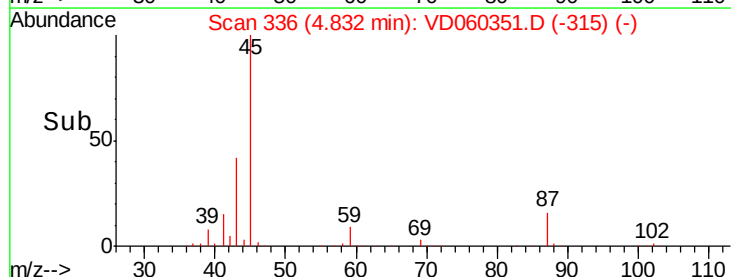
43 100

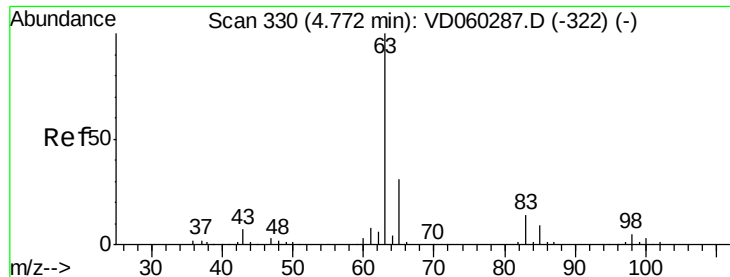
86 0.0 5.7 8.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

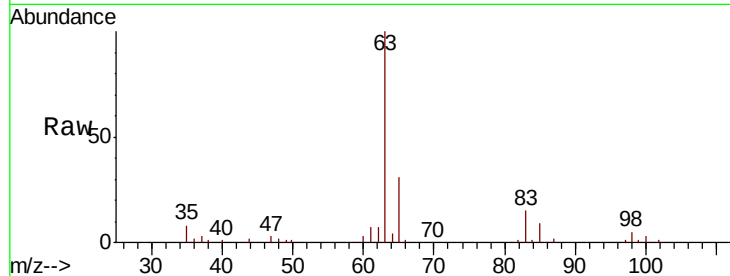




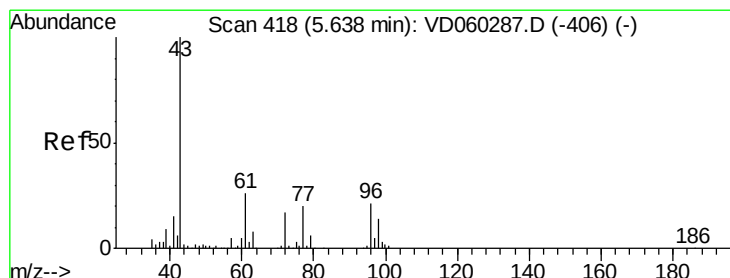
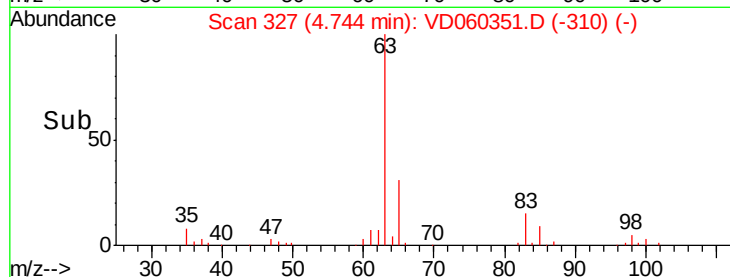
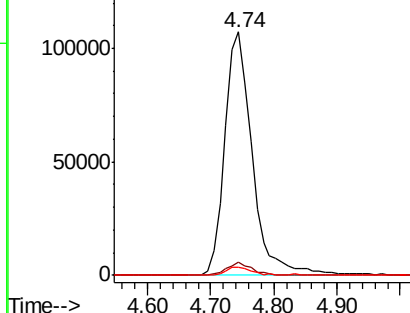
#24
 1,1-Dichloroethane
 Concen: 11.624 ug/l
 RT: 4.74 min Scan# 327
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Tgt Ion:	63	Resp:	323187
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.8	8.4
100	3.3	1.8	5.5

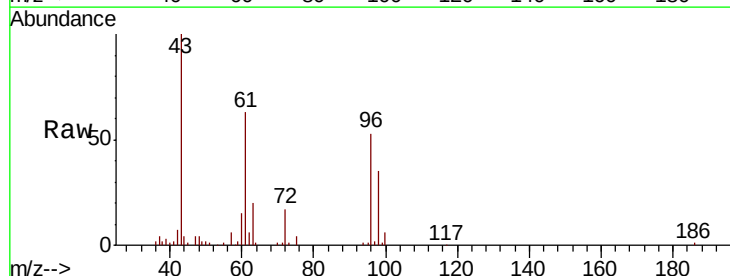


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 97.95 (97.65 to 98.65): VDC
 Ion 99.95 (99.65 to 100.65): VDC

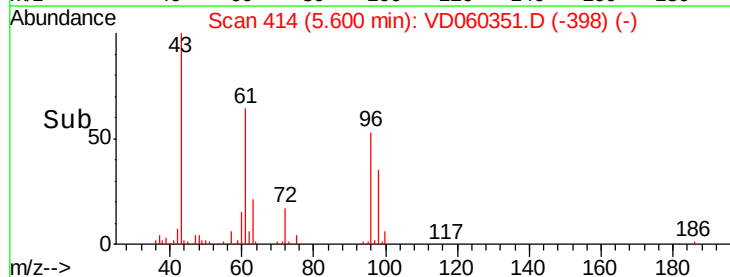
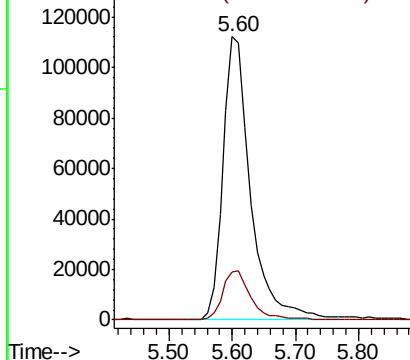


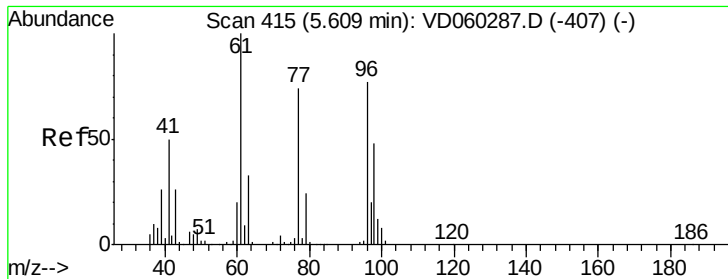
#25
 2-Butanone
 Concen: 85.147 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. -0.04 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion:	43	Resp:	341700
Ion	Ratio	Lower	Upper
43	100		
72	17.1	13.8	20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 72.00 (71.70 to 72.70): VDC



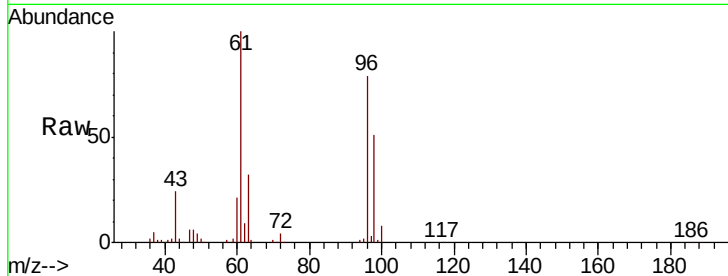


#27

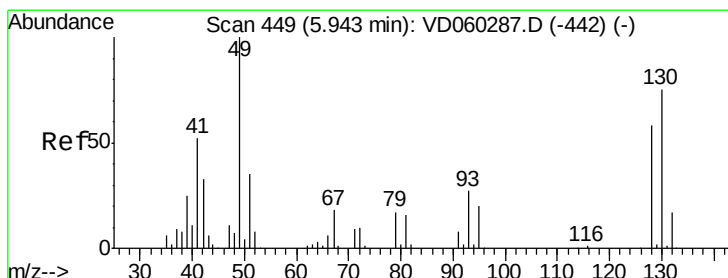
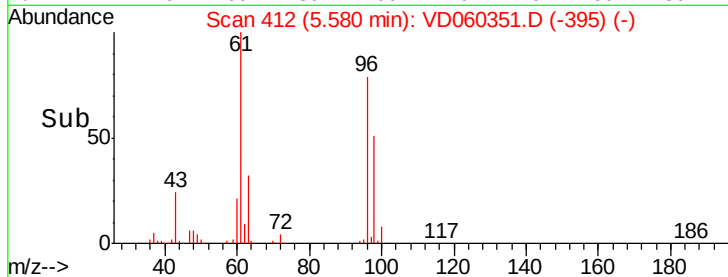
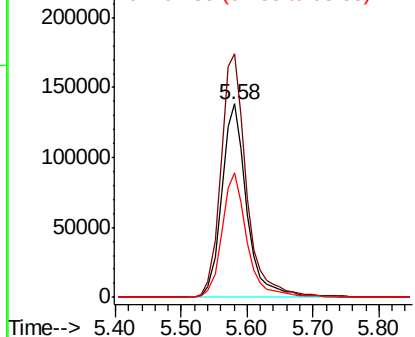
cis-1,2-Dichloroethene
Concen: 20.893 ug/l
RT: 5.58 min Scan# 412
Delta R.T. -0.03 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

Tgt Ion: 96 Resp: 366563
Ion Ratio Lower Upper
96 100
61 126.1 0.0 259.0
98 64.2 0.0 128.8



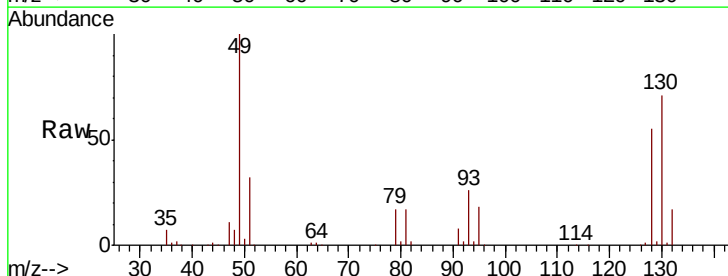
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



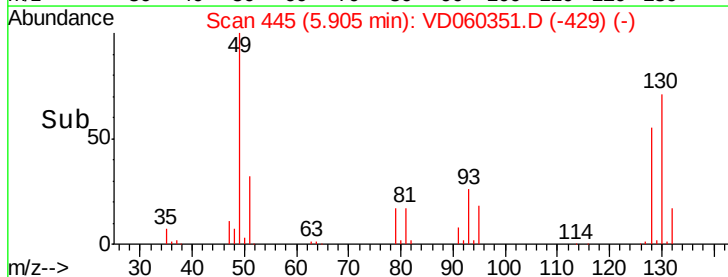
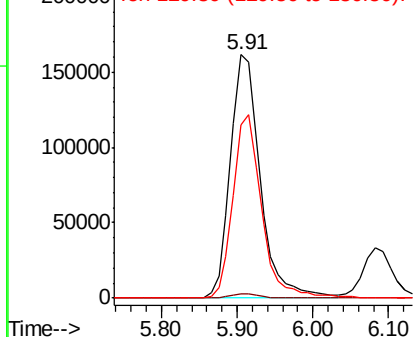
#28

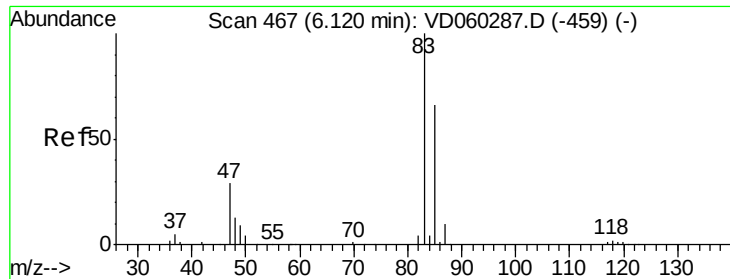
Bromochloromethane
Concen: 36.019 ug/l
RT: 5.91 min Scan# 445
Delta R.T. -0.04 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion: 49 Resp: 441889
Ion Ratio Lower Upper
49 100
129 1.6 0.0 2.8
130 70.9 53.6 80.4



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

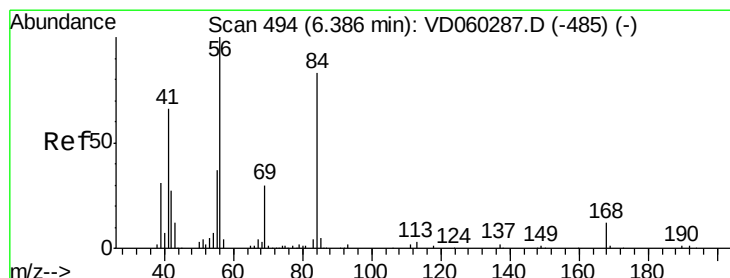
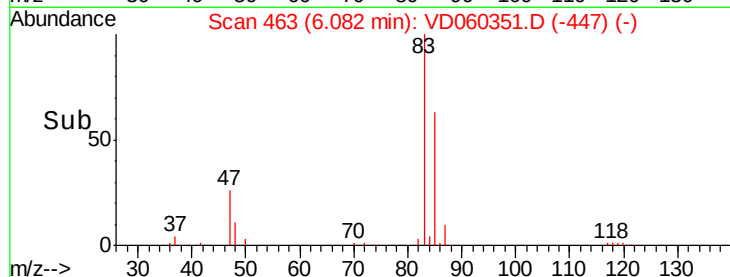
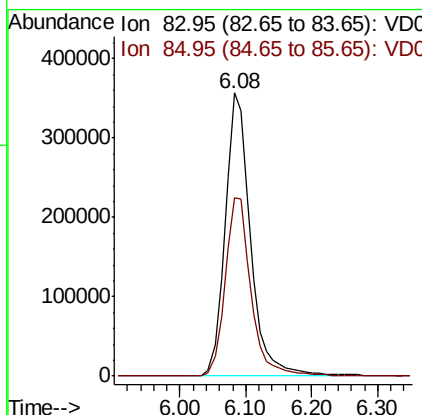
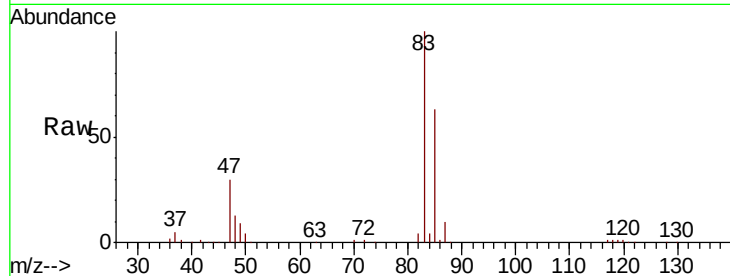




#30
Chloroform
Concen: 34.482 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.04 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

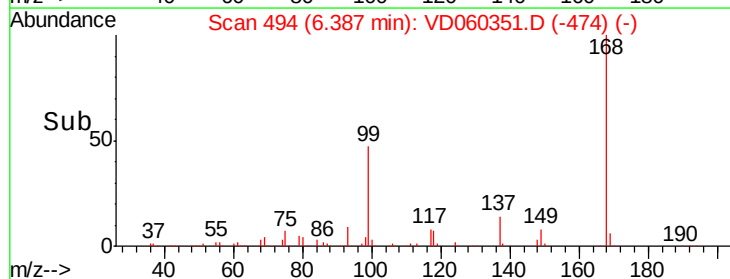
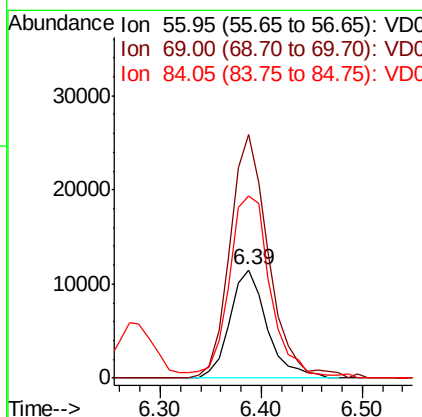
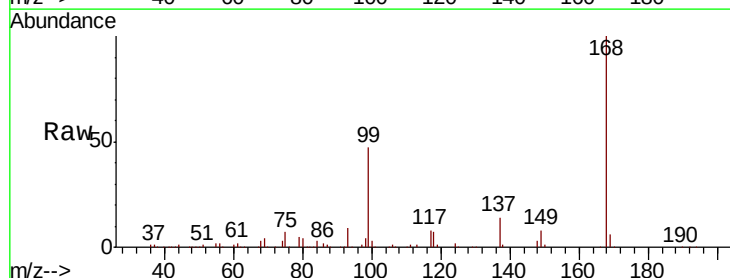
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

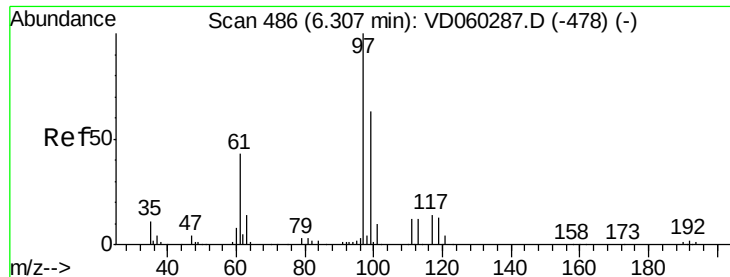
Tgt Ion: 83 Resp: 958470
Ion Ratio Lower Upper
83 100
85 63.1 52.5 78.7



#31
Cyclohexane
Concen: 1.094 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.00 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion: 56 Resp: 29078
Ion Ratio Lower Upper
56 100
69 225.6 22.2 33.2#
84 168.5 63.0 94.4#





#32

1,1,1-Trichloroethane

Concen: 42.881 ug/l

RT: 6.28 min Scan# 483

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

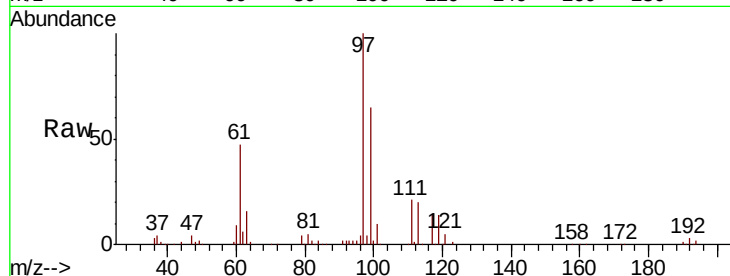
Tgt Ion: 97 Resp: 1004018

Ion Ratio Lower Upper

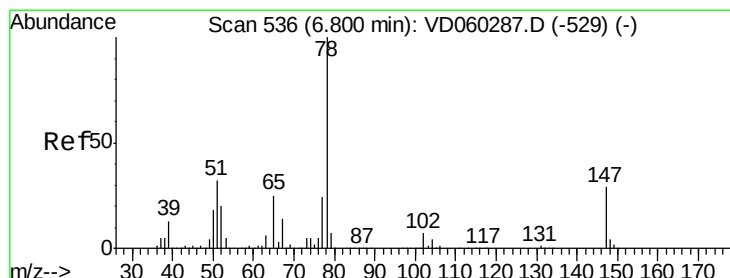
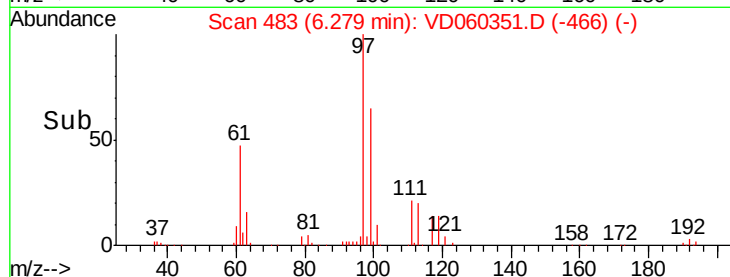
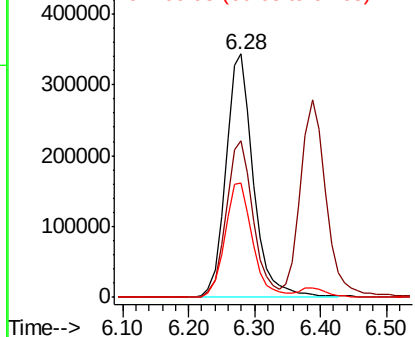
97 100

99 64.6 51.5 77.3

61 46.8 35.8 53.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 42.881 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.03 min

Lab File: VD060351.D

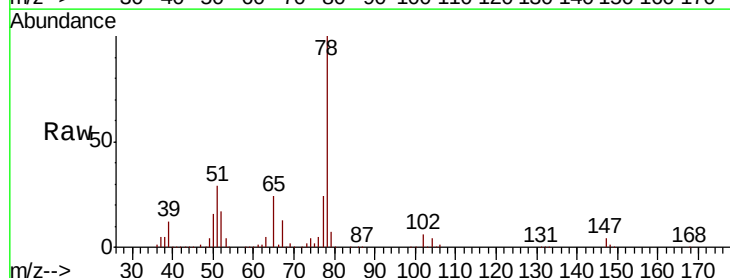
Acq: 12 Nov 2018 22:08

Tgt Ion: 65 Resp: 574413

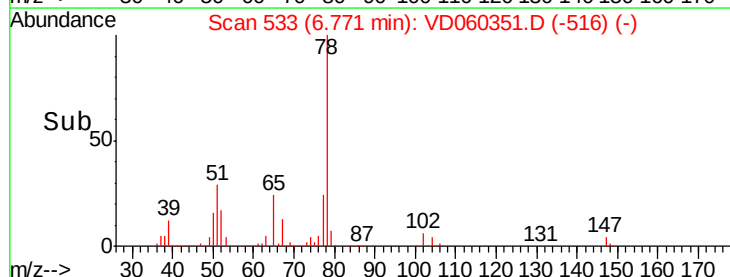
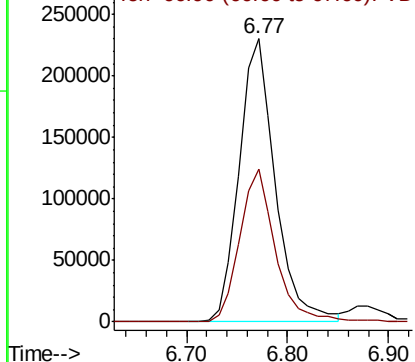
Ion Ratio Lower Upper

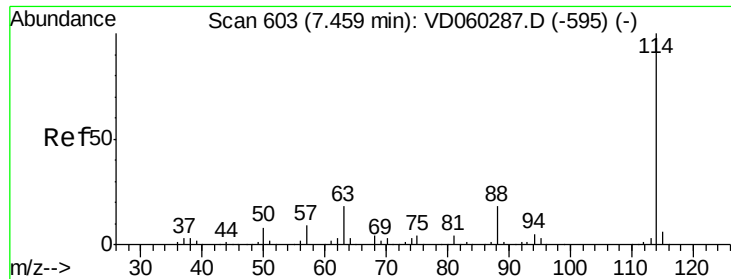
65 100

67 53.8 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

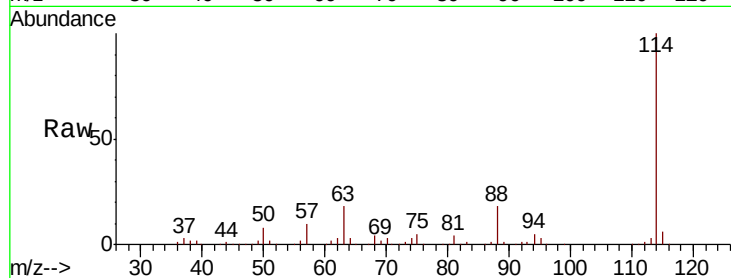




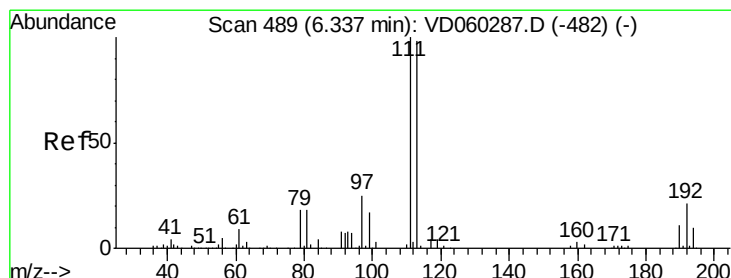
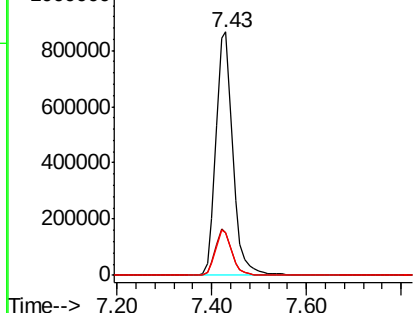
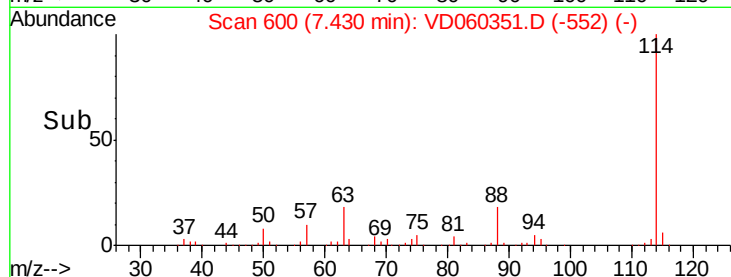
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Tgt Ion:114 Resp: 2139588
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.0
 88 17.6 0.0 35.4

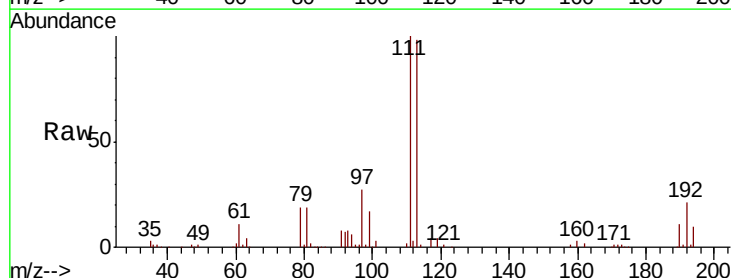


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

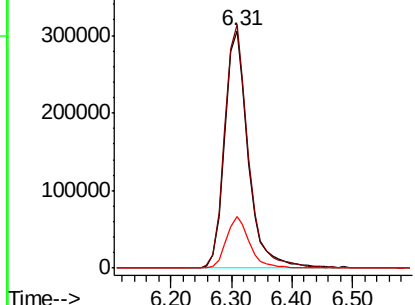
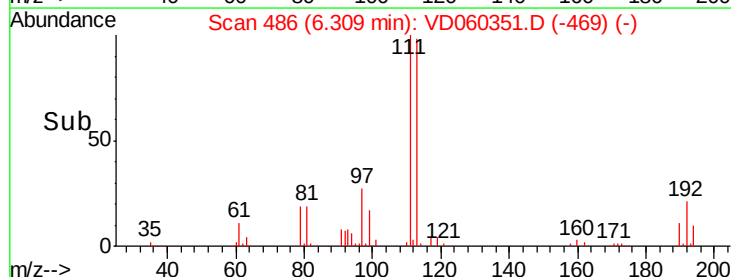


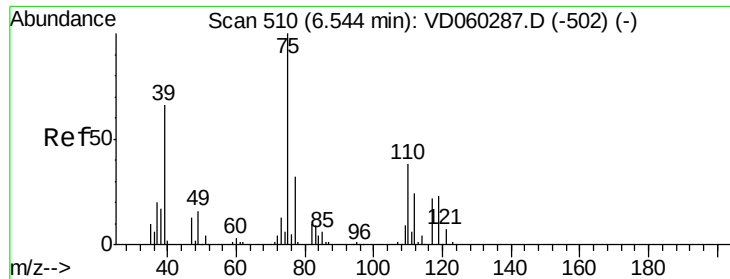
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion:113 Resp: 823144
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.6 122.4
 192 21.9 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.462 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.16 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

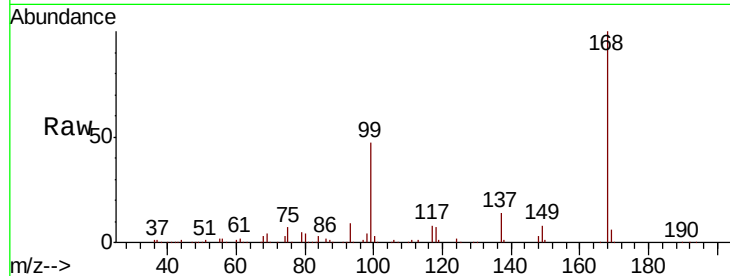
Tgt Ion: 75 Resp: 115465

Ion Ratio Lower Upper

75 100

110 6.6 18.0 54.0#

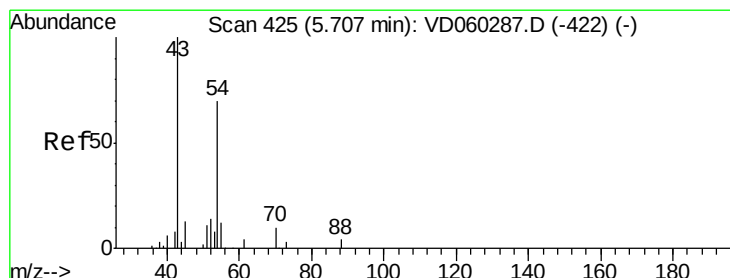
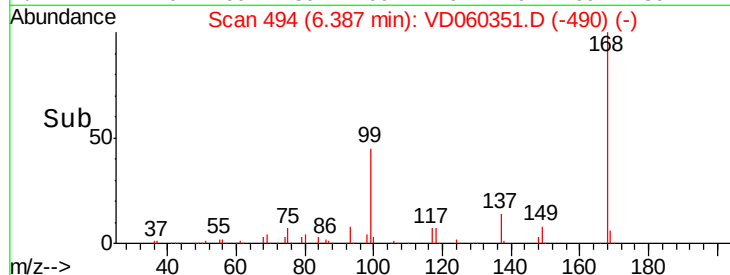
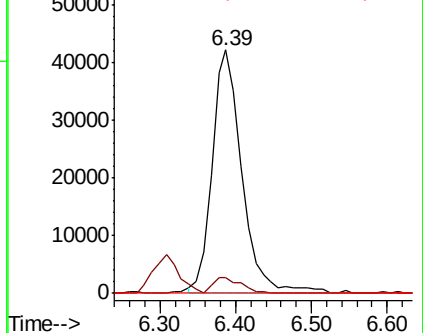
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 35.556 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.11 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

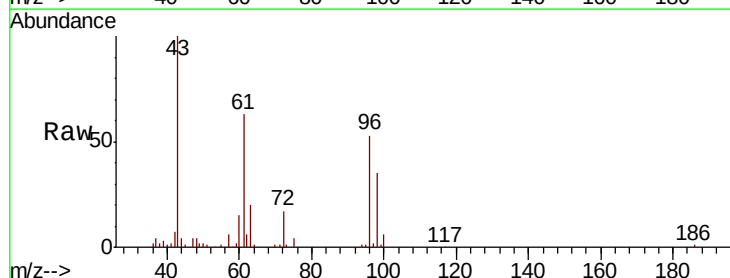
Tgt Ion: 43 Resp: 345855

Ion Ratio Lower Upper

43 100

61 63.3 11.8 17.6#

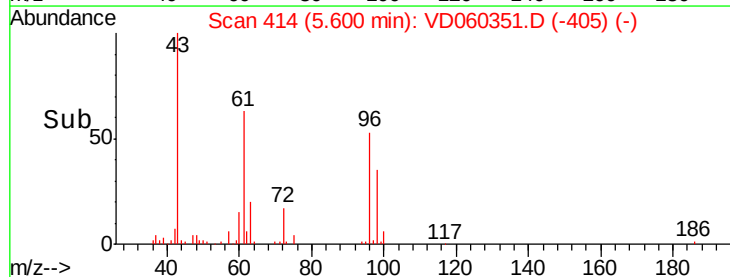
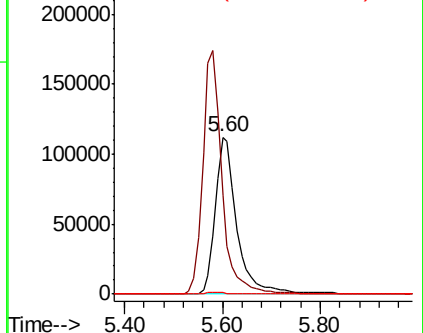
70 0.9 6.2 9.4#

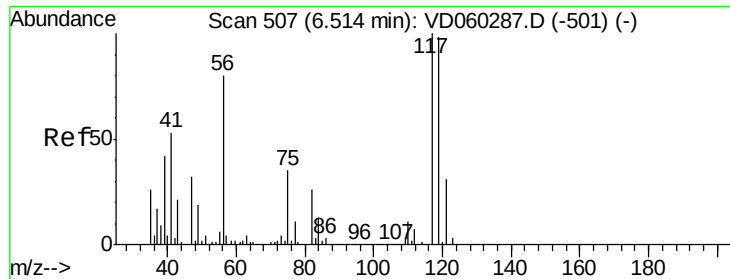


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.312 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.13 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

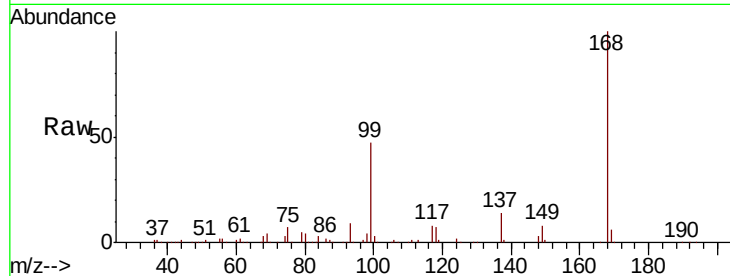
Tgt Ion:117 Resp: 123772

Ion Ratio Lower Upper

117 100

119 6.7 76.6 115.0#

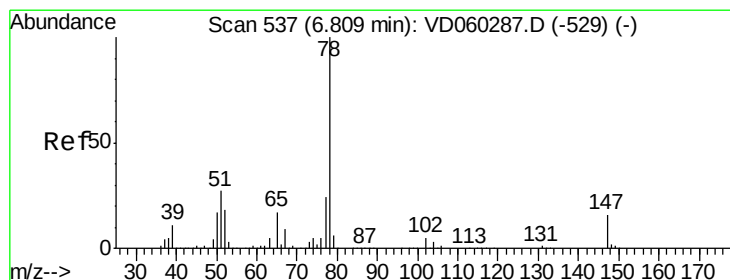
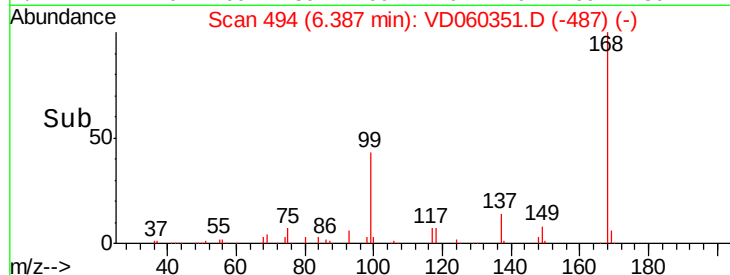
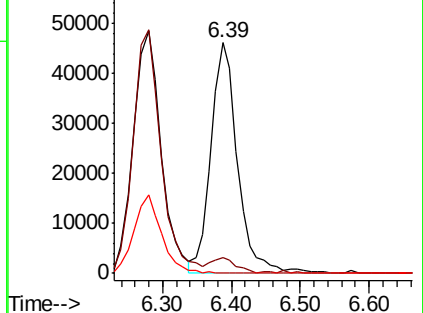
121 0.0 24.3 36.5#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#40

Benzene

Concen: 48.774 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.03 min

Lab File: VD060351.D

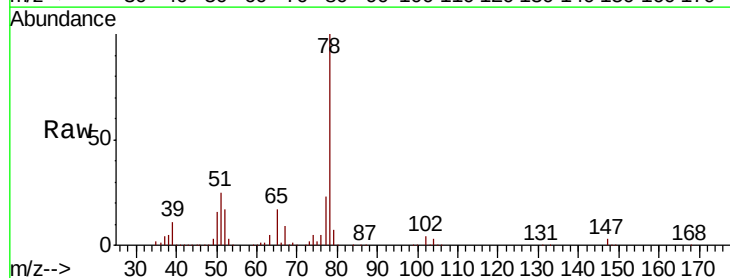
Acq: 12 Nov 2018 22:08

Tgt Ion: 78 Resp: 2631719

Ion Ratio Lower Upper

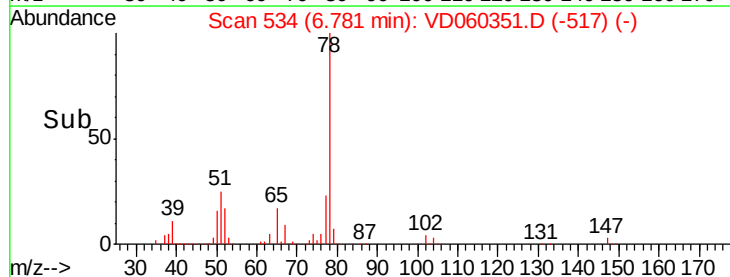
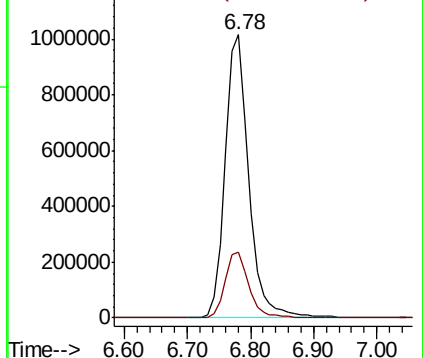
78 100

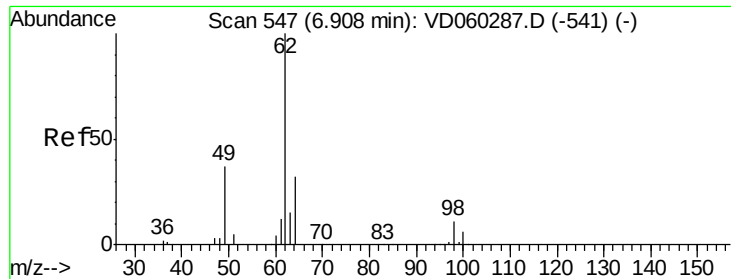
77 23.3 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

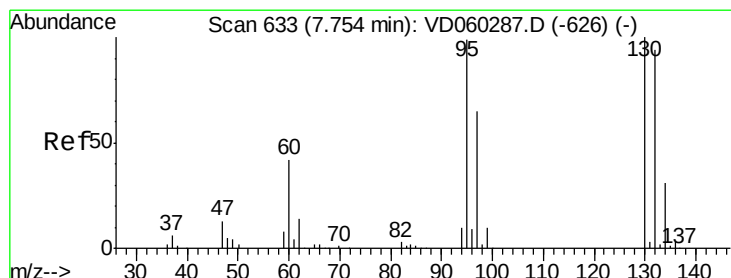
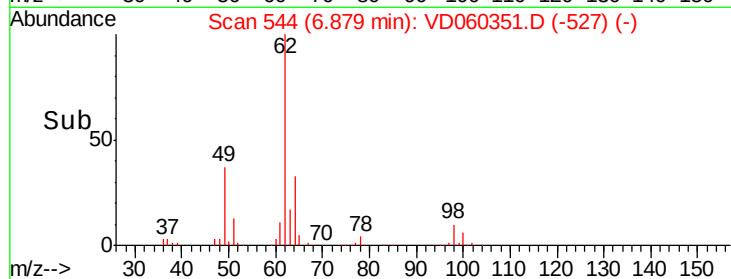
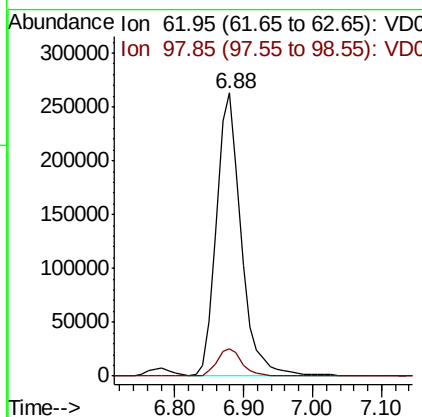
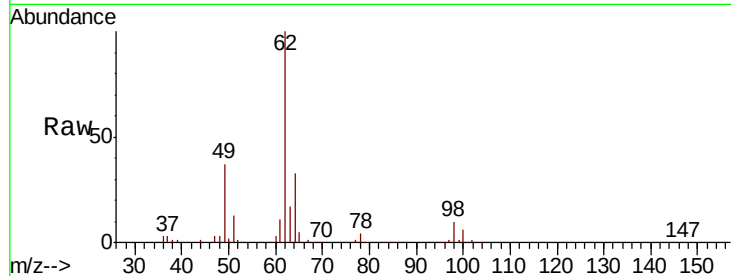




#42
 1,2-Dichloroethane
 Concen: 45.940 ug/l
 RT: 6.88 min Scan# 544
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

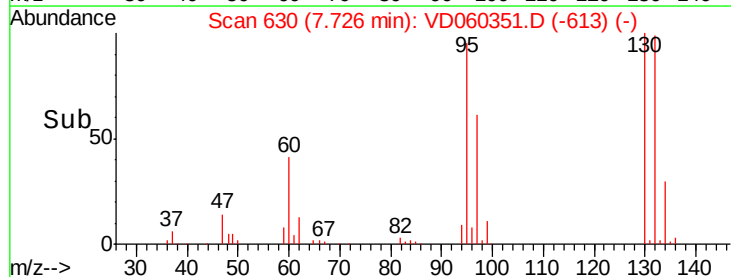
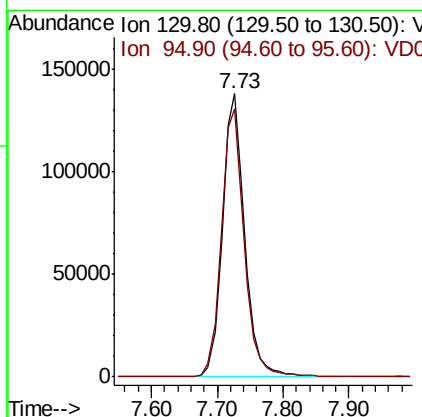
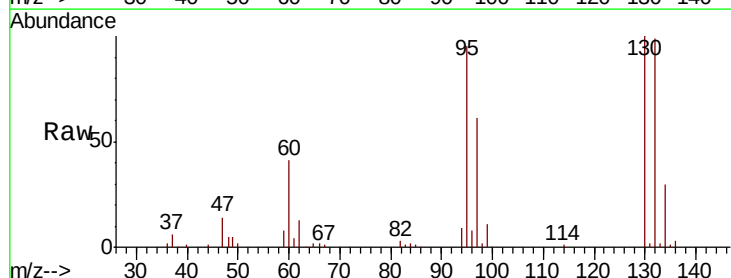
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

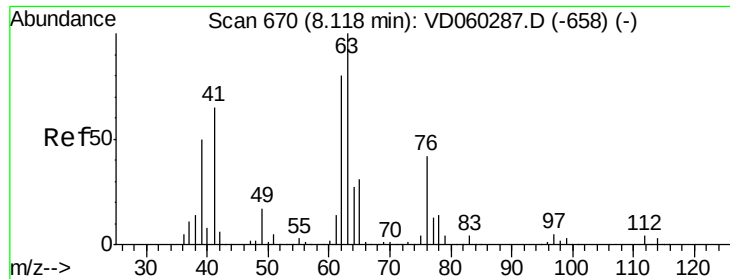
Tgt Ion: 62 Resp: 648812
 Ion Ratio Lower Upper
 62 100
 98 9.9 0.0 22.0



#44
 Trichloroethene
 Concen: 19.789 ug/l
 RT: 7.73 min Scan# 630
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion: 130 Resp: 323678
 Ion Ratio Lower Upper
 130 100
 95 94.9 0.0 200.0

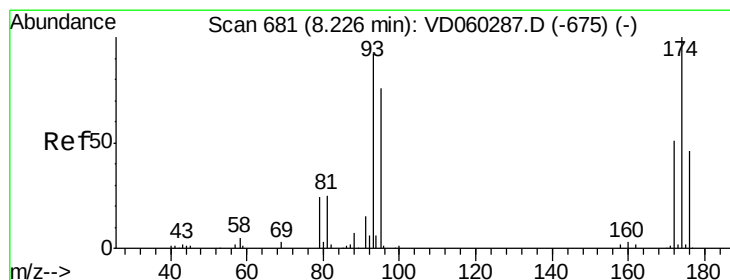
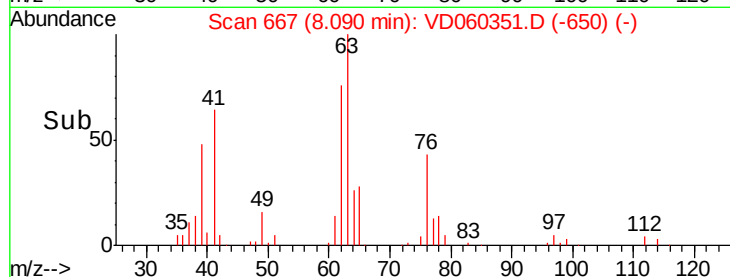
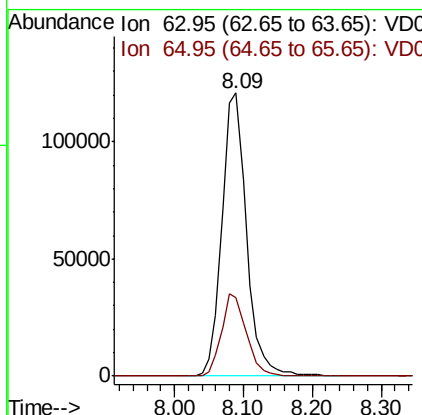
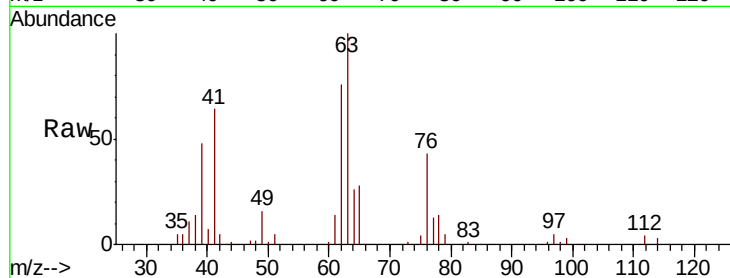




#45
 1,2-Dichloropropane
 Concen: 21.907 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

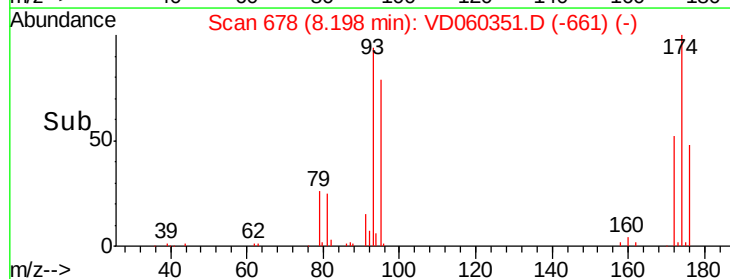
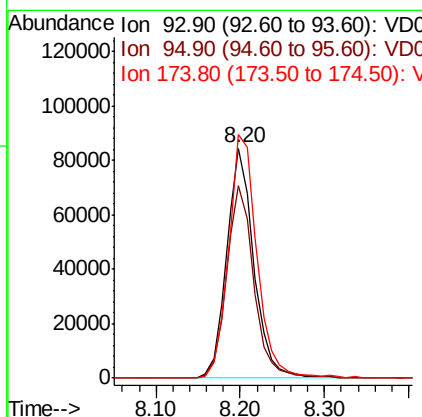
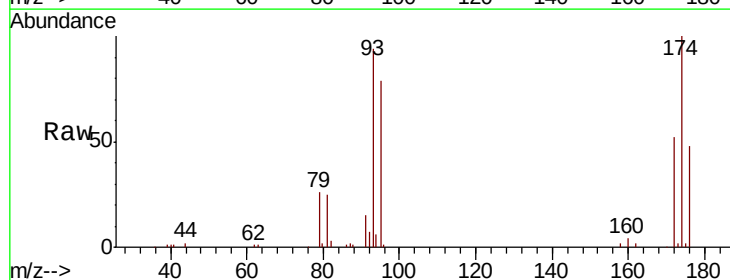
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

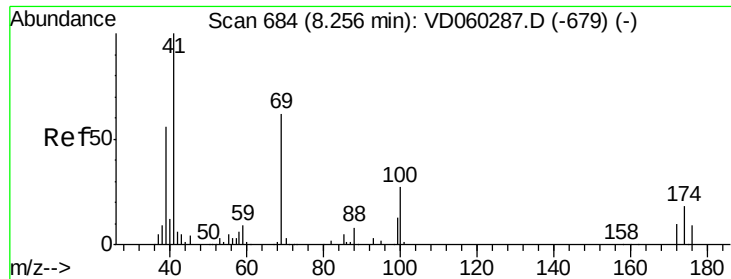
Tgt Ion: 63 Resp: 298109
 Ion Ratio Lower Upper
 63 100
 65 27.8 23.4 35.2



#46
 Dibromomethane
 Concen: 23.654 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion: 93 Resp: 188528
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.4 99.6
 174 105.9 87.8 131.8

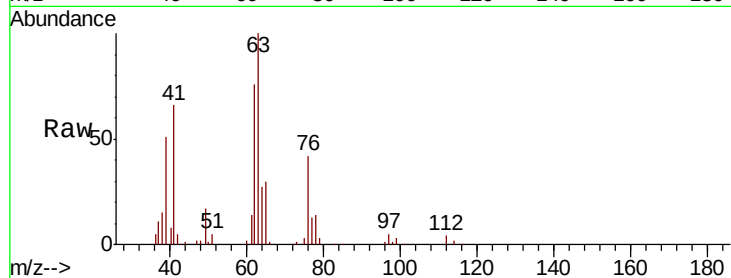




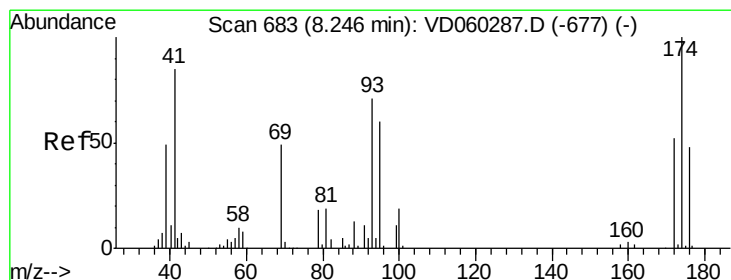
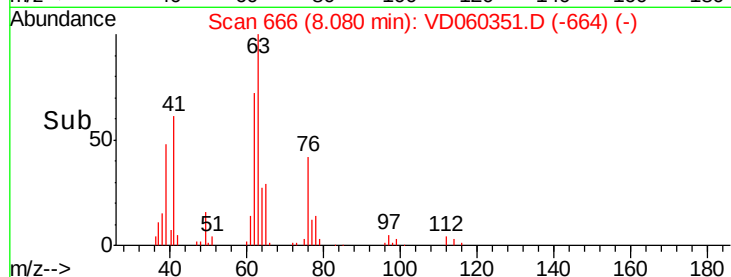
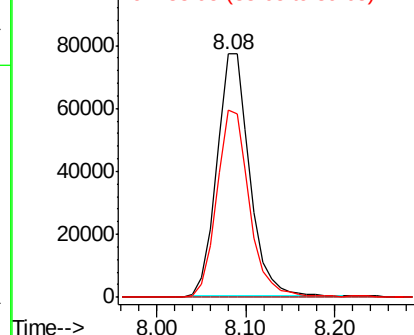
#48
Methyl methacrylate
Concen: 26.568 ug/l
RT: 8.08 min Scan# 666
Delta R.T. -0.18 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

Tgt Ion: 41 Resp: 197176
Ion Ratio Lower Upper
41 100
69 0.0 47.0 70.4#
39 76.8 46.2 69.4#

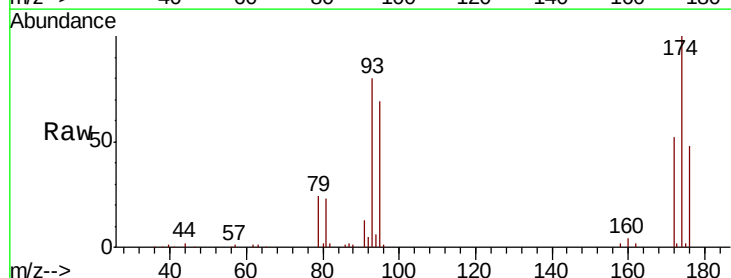


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

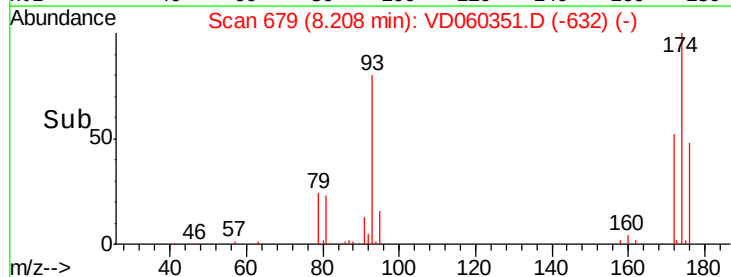
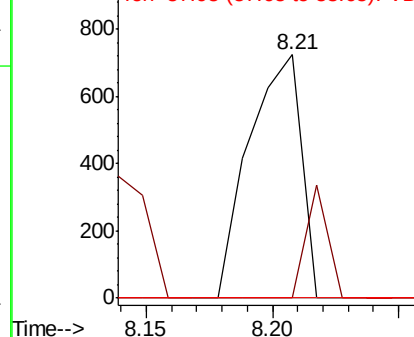


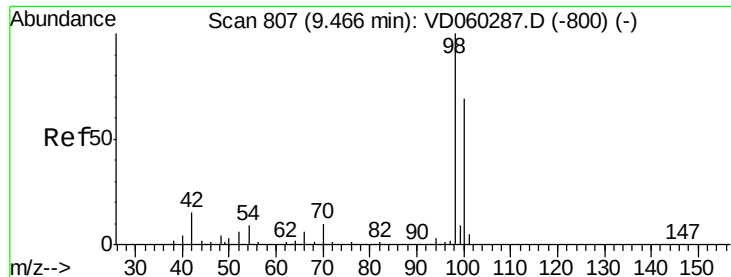
#49
1,4-Dioxane
Concen: 16.242 ug/l
RT: 8.21 min Scan# 679
Delta R.T. -0.04 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion: 88 Resp: 1043
Ion Ratio Lower Upper
88 100
43 0.0 39.7 59.5#
58 0.0 60.2 90.2#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

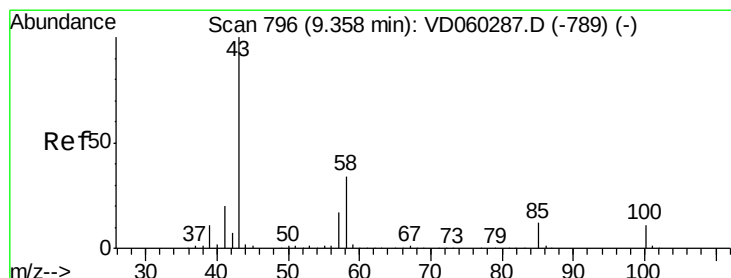
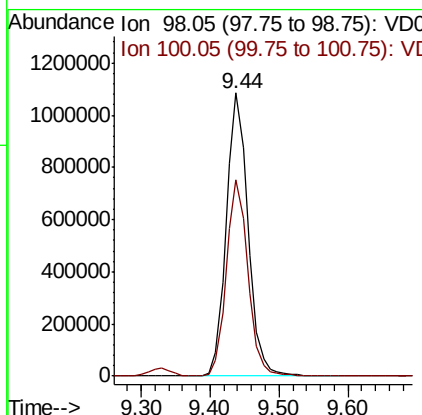
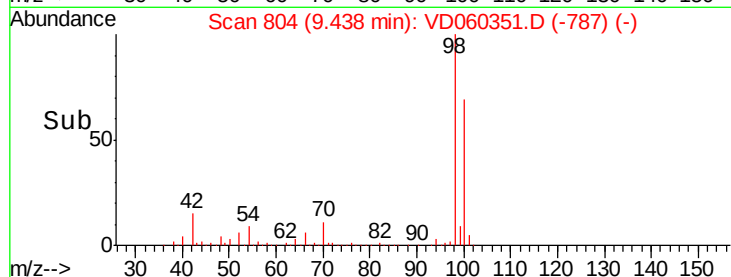
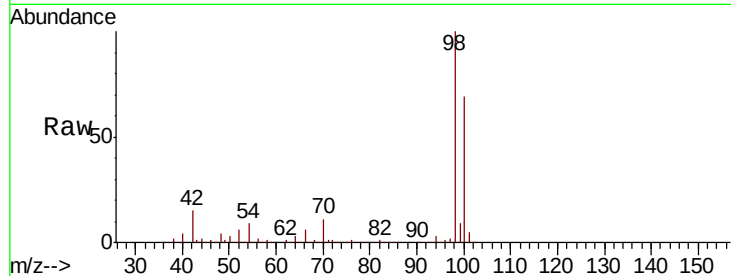




#50
Toluene-d8
Concen: 16.242 ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

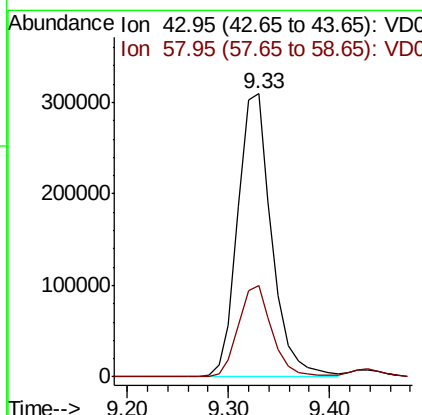
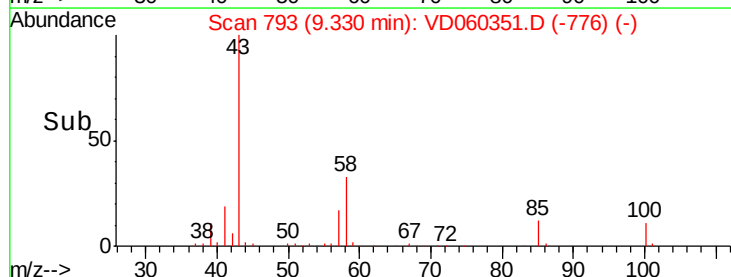
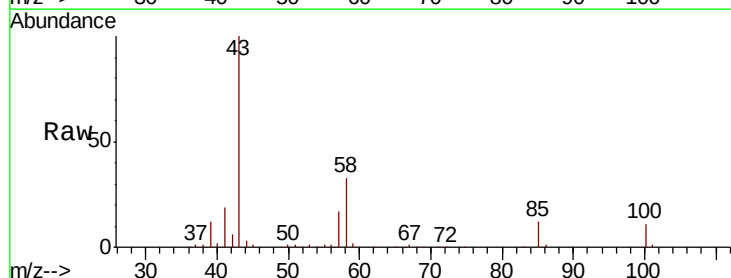
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

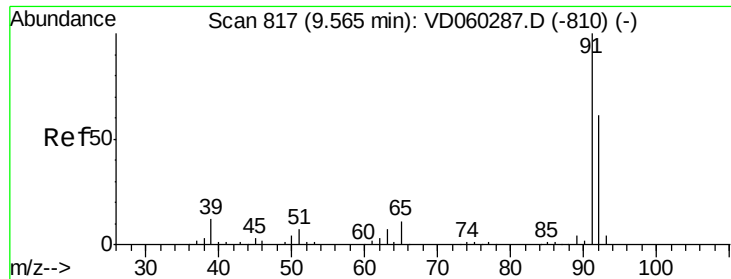
Tgt Ion: 98 Resp: 2373105
Ion Ratio Lower Upper
98 100
100 69.2 55.2 82.8



#51
4-Methyl-2-Pentanone
Concen: 91.220 ug/l
RT: 9.33 min Scan# 793
Delta R.T. -0.03 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion: 43 Resp: 725419
Ion Ratio Lower Upper
43 100
58 32.5 26.1 39.1





#52

Toluene

Concen: 43.159 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

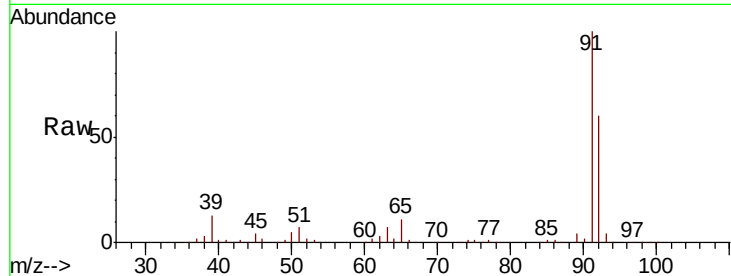
PT-VOA-SOILD

Tgt Ion: 92 Resp: 1487564

Ion Ratio Lower Upper

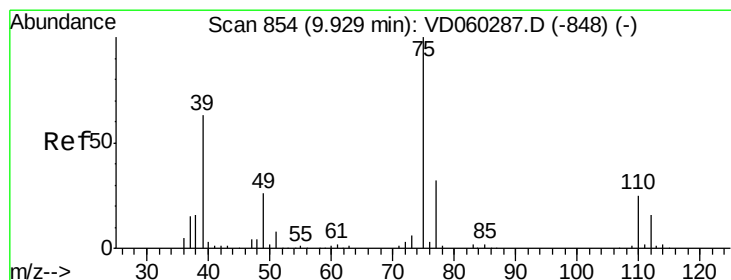
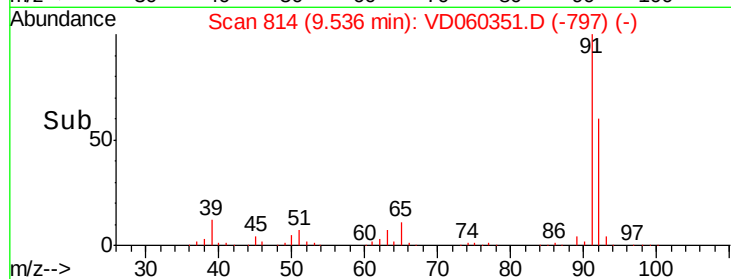
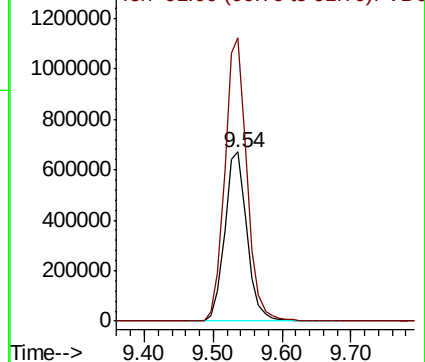
92 100

91 167.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 10.895 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.03 min

Lab File: VD060351.D

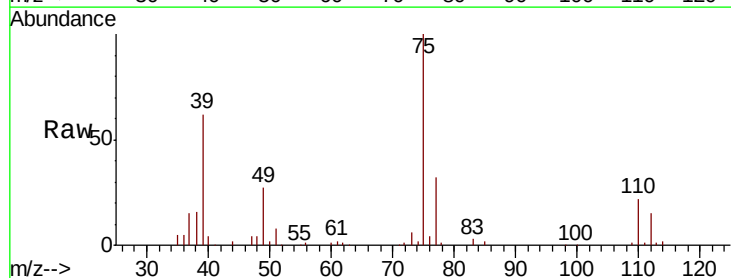
Acq: 12 Nov 2018 22:08

Tgt Ion: 75 Resp: 172892

Ion Ratio Lower Upper

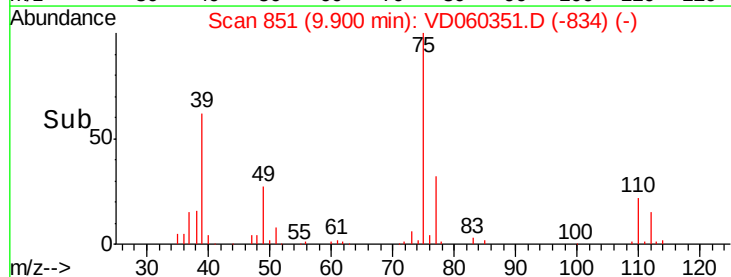
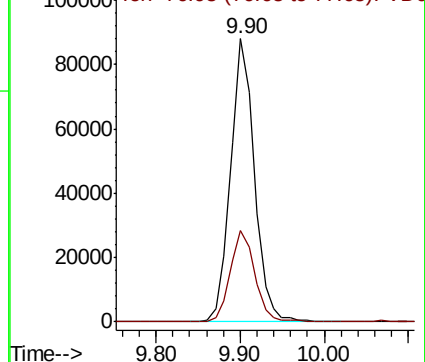
75 100

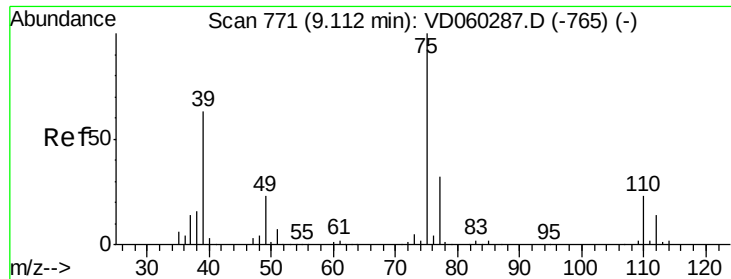
77 32.1 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#54

cis-1,3-Dichloropropene

Concen: 30.716 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

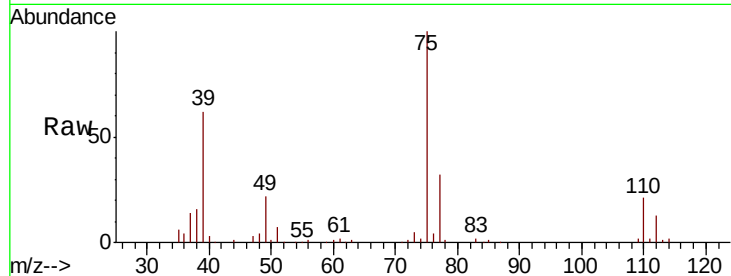
Tgt Ion: 75 Resp: 625167

Ion Ratio Lower Upper

75 100

77 32.3 26.3 39.5

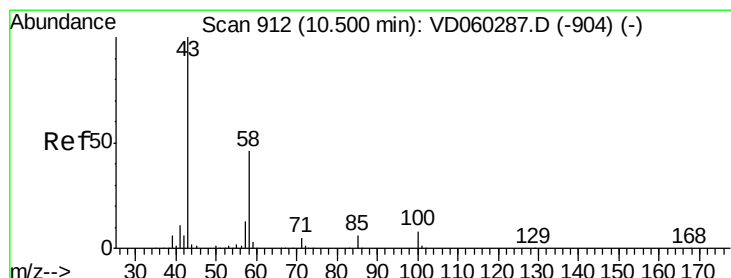
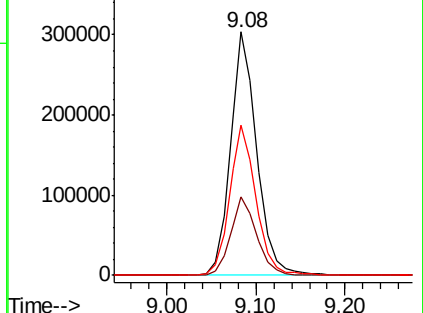
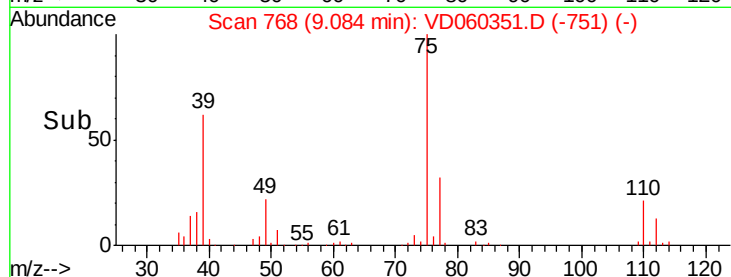
39 61.7 50.8 76.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



#59

2-Hexanone

Concen: 28.902 ug/l

RT: 10.47 min Scan# 909

Delta R.T. -0.03 min

Lab File: VD060351.D

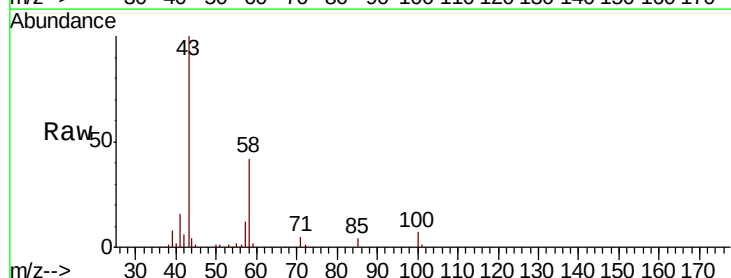
Acq: 12 Nov 2018 22:08

Tgt Ion: 43 Resp: 163817

Ion Ratio Lower Upper

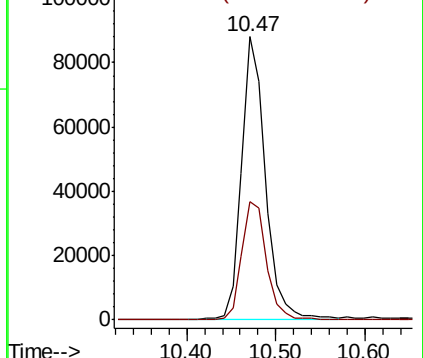
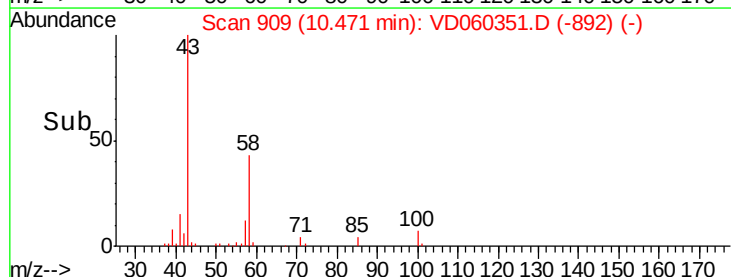
43 100

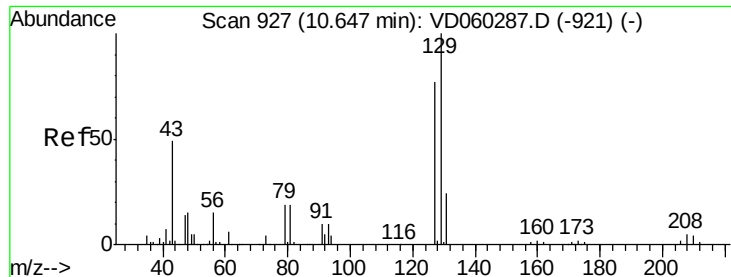
58 41.8 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#60

Dibromochloromethane

Concen: 14.648 ug/l

RT: 10.63 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

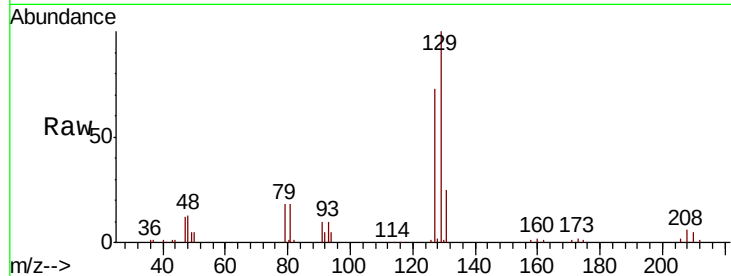
PT-VOA-SOILDL

Tgt Ion:129 Resp: 177876

Ion Ratio Lower Upper

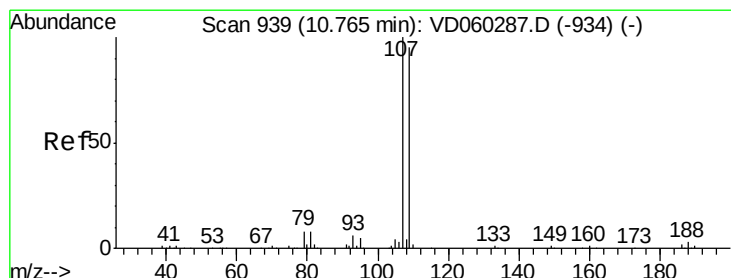
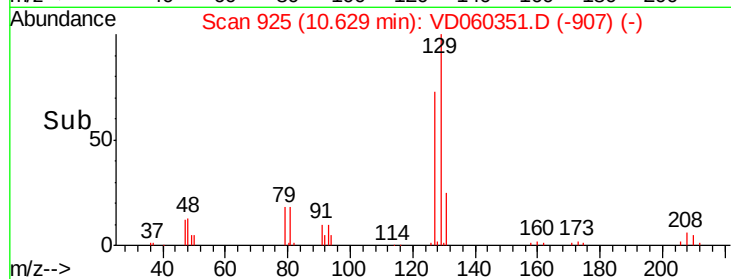
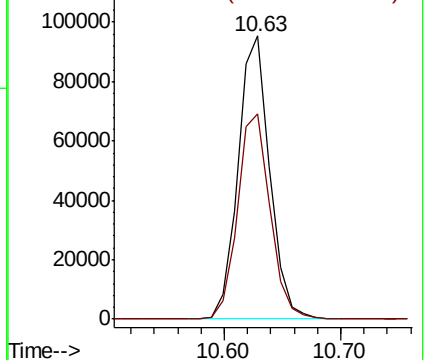
129 100

127 72.7 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 32.054 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060351.D

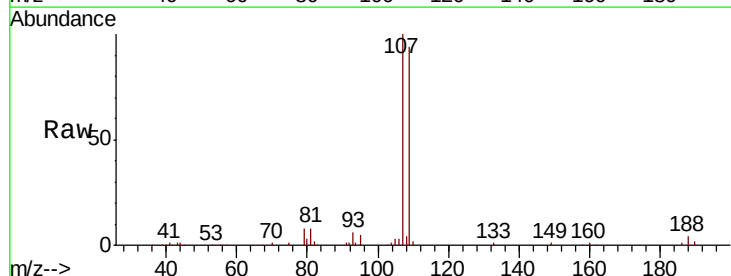
Acq: 12 Nov 2018 22:08

Tgt Ion:107 Resp: 320836

Ion Ratio Lower Upper

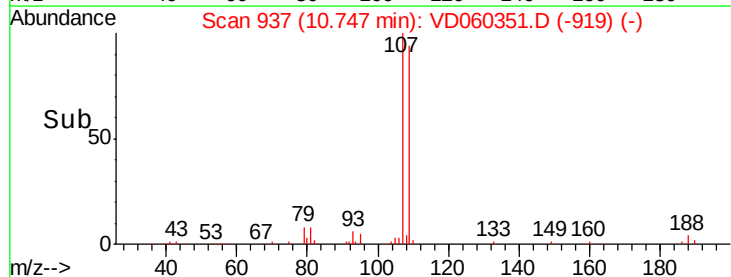
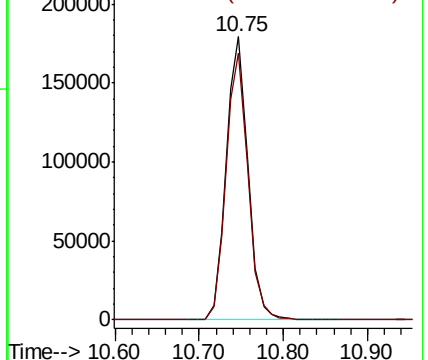
107 100

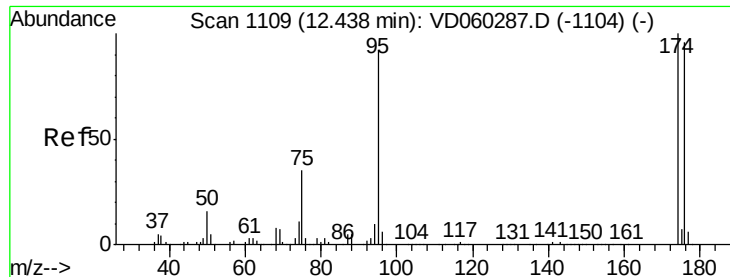
109 94.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V





#62

4-Bromofluorobenzene

Concen: 32.054 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILD

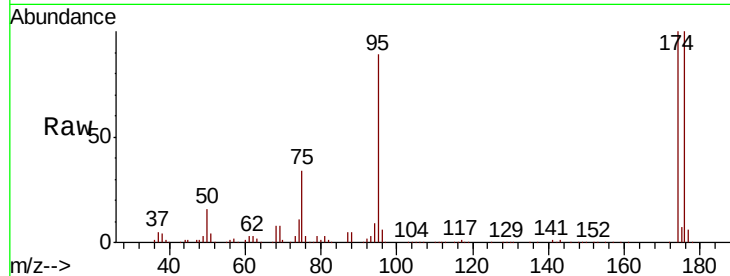
Tgt Ion: 95 Resp: 845341

Ion Ratio Lower Upper

95 100

174 112.9 0.0 160.8

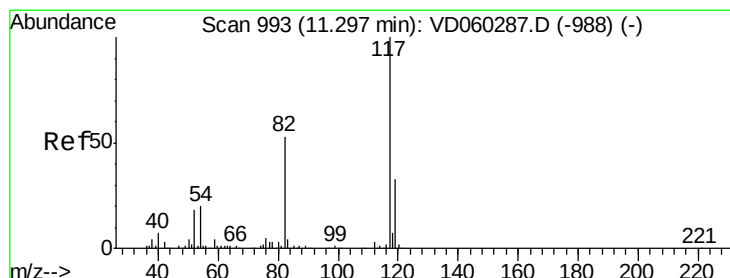
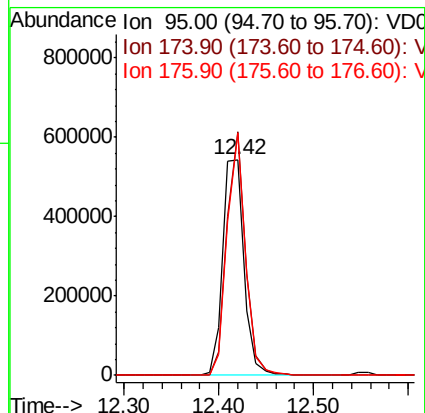
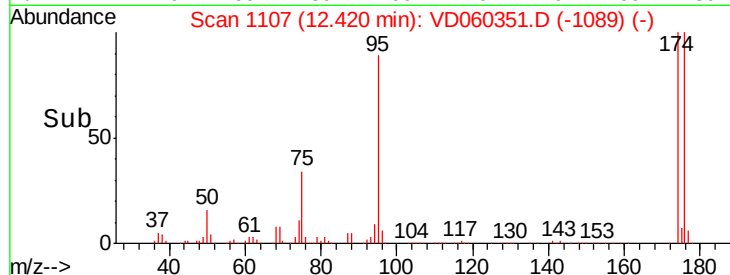
176 112.6 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 990

Delta R.T. -0.03 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

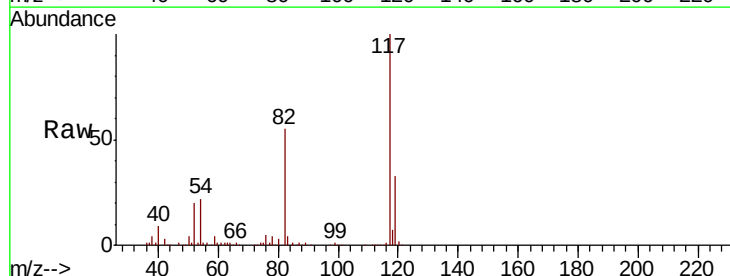
Tgt Ion: 117 Resp: 1740482

Ion Ratio Lower Upper

117 100

82 55.1 43.7 65.5

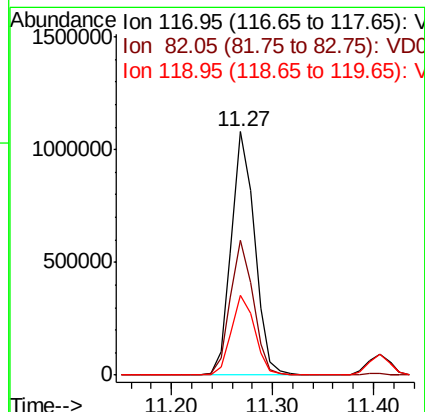
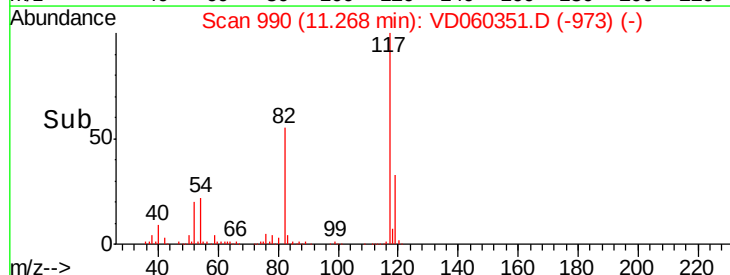
119 32.9 26.1 39.1

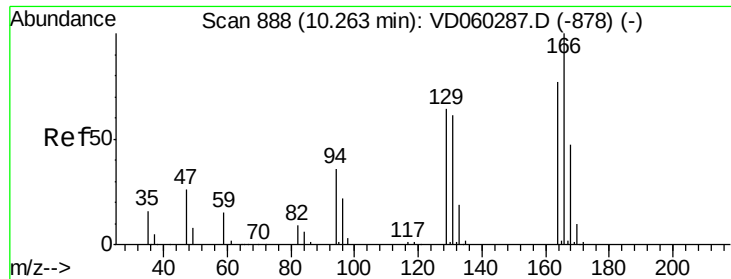


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

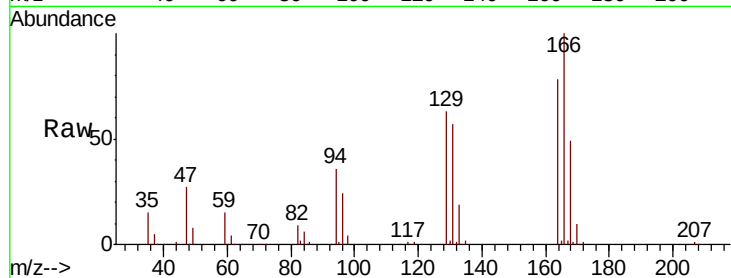




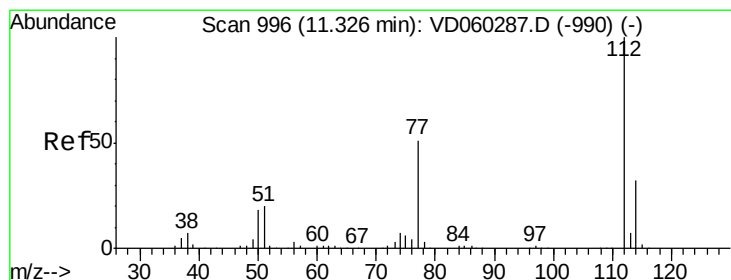
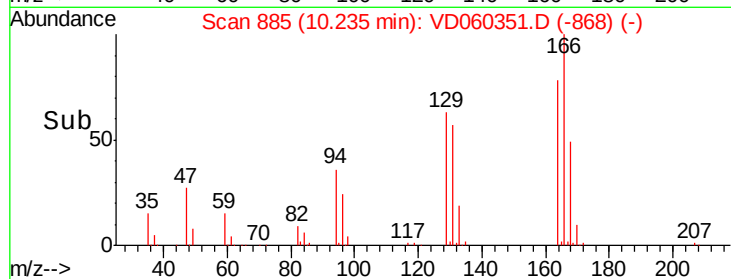
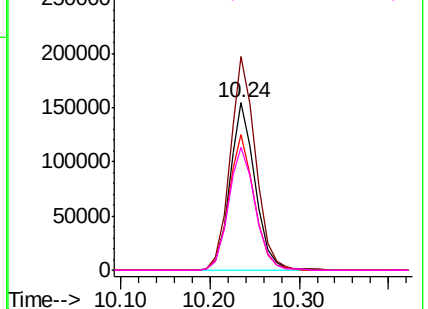
#64
Tetrachloroethene
Concen: 19.688 ug/l
RT: 10.24 min Scan# 885
Delta R.T. -0.03 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

Tgt Ion:164 Resp: 305905
Ion Ratio Lower Upper
164 100
166 127.7 103.7 155.5
129 80.8 65.6 98.4
131 73.4 64.4 96.6

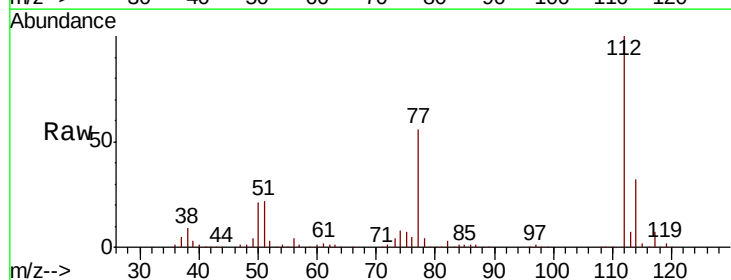


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

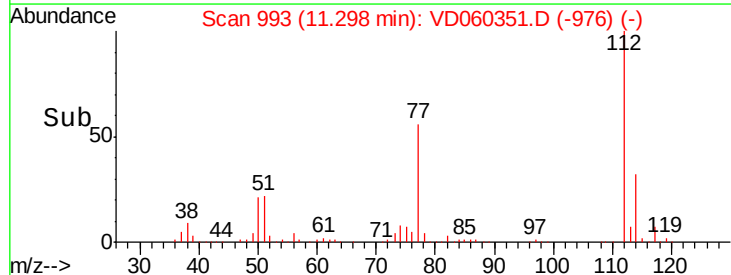
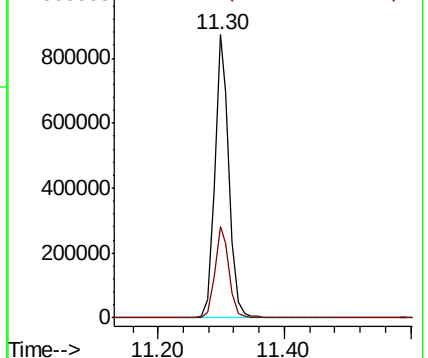


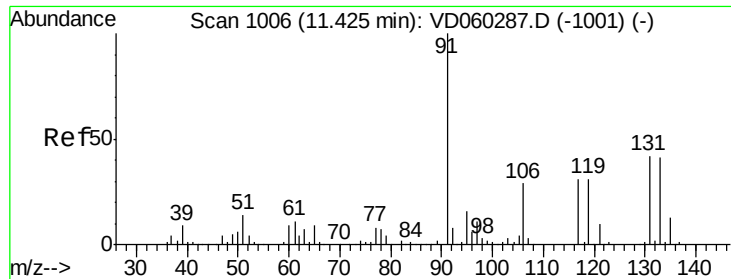
#65
Chlorobenzene
Concen: 36.579 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.03 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion:112 Resp: 1379451
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 16.217 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

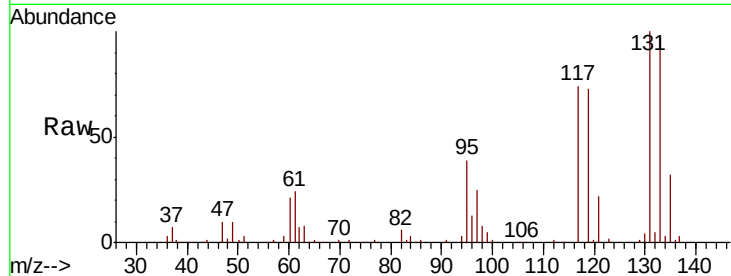
Tgt Ion: 131 Resp: 200094

Ion Ratio Lower Upper

131 100

133 97.2 50.0 150.0

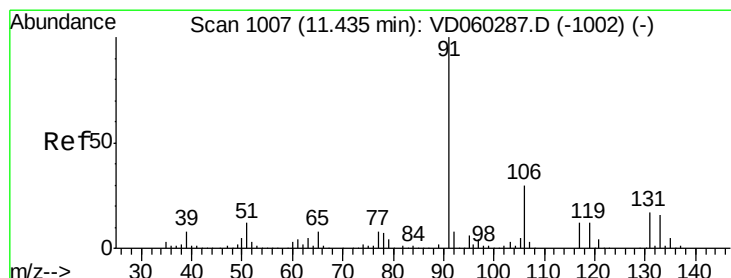
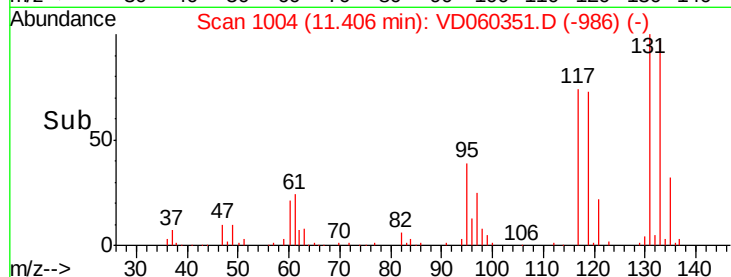
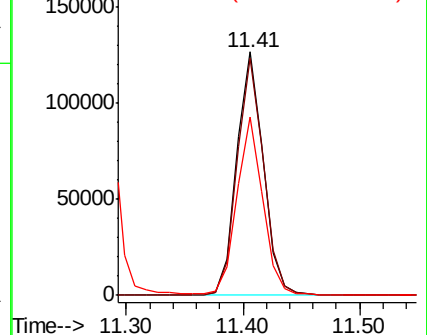
119 73.4 37.0 111.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#67

Ethyl Benzene

Concen: 29.177 ug/l

RT: 11.55 min Scan# 1019

Delta R.T. 0.12 min

Lab File: VD060351.D

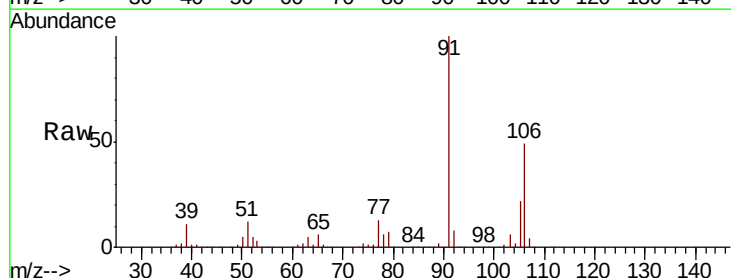
Acq: 12 Nov 2018 22:08

Tgt Ion: 91 Resp: 1882208

Ion Ratio Lower Upper

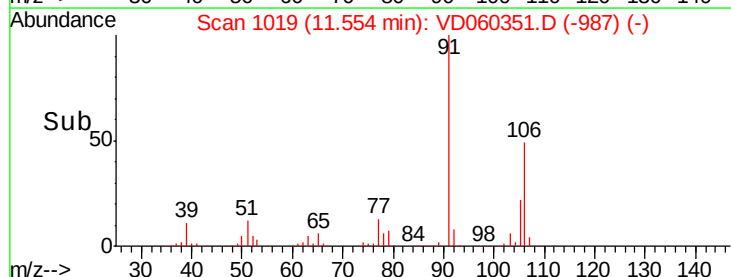
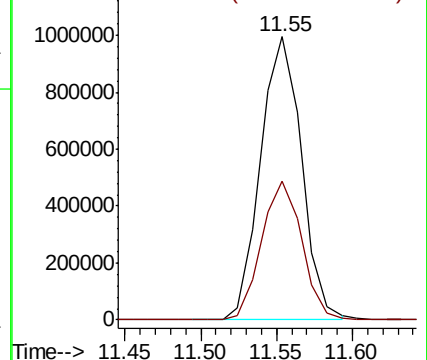
91 100

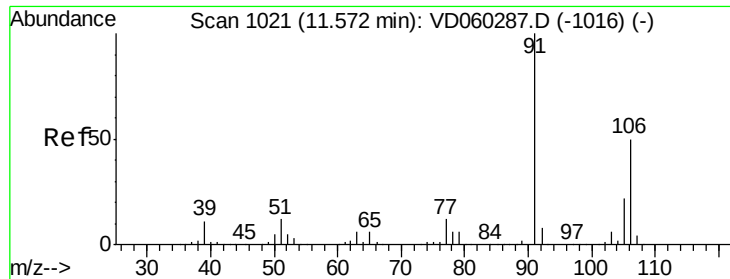
106 49.0 24.6 36.8#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

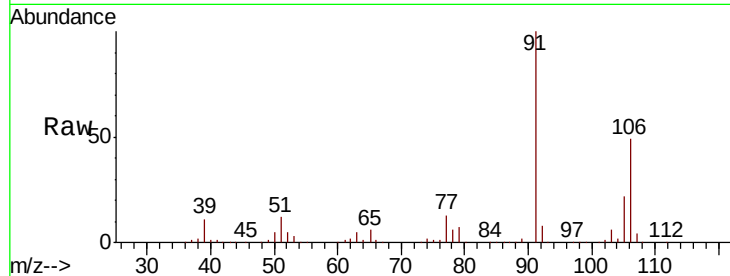




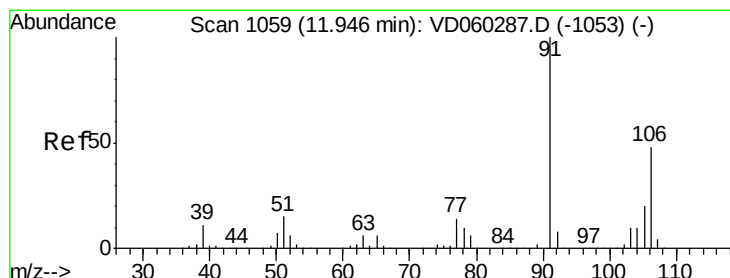
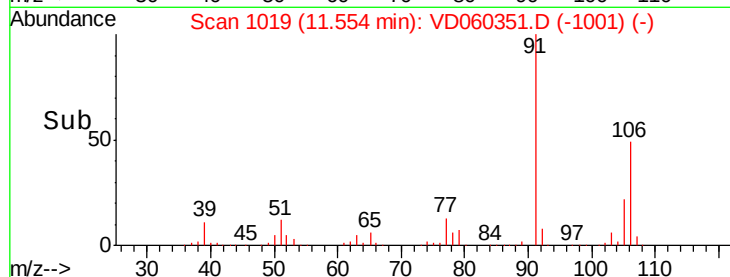
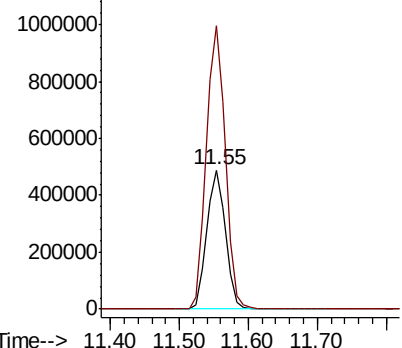
#68
m/p-Xylenes
Concen: 38.403 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Instrument :
MSVOA_D
ClientSampleID :
PT-VOA-SOILD

Tgt Ion:106 Resp: 913862
Ion Ratio Lower Upper
106 100
91 204.1 159.4 239.2

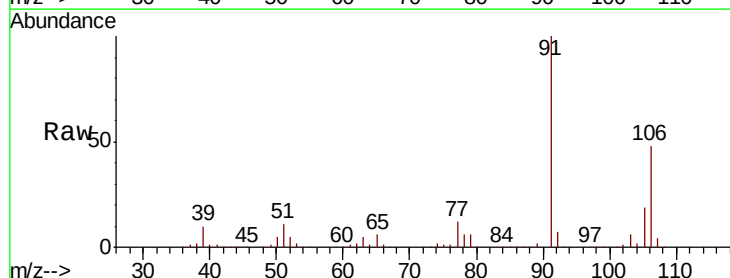


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

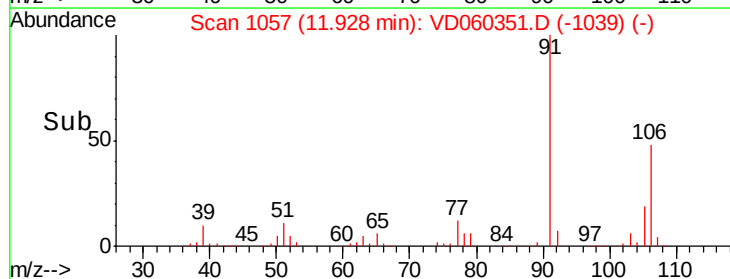
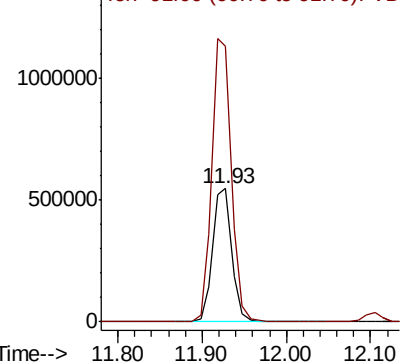


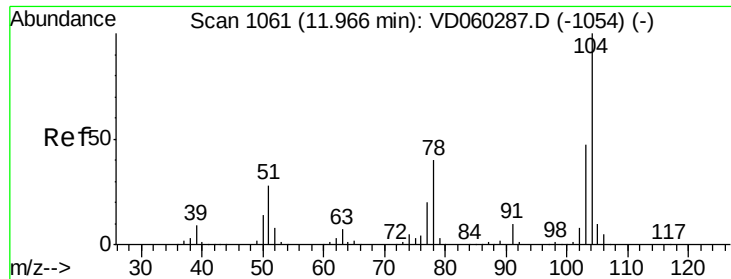
#69
o-Xylene
Concen: 37.653 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion:106 Resp: 865646
Ion Ratio Lower Upper
106 100
91 206.8 109.2 327.6



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

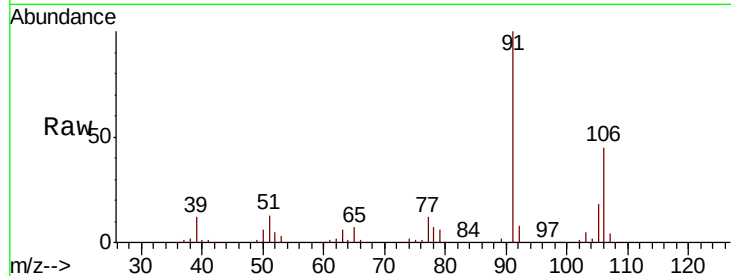




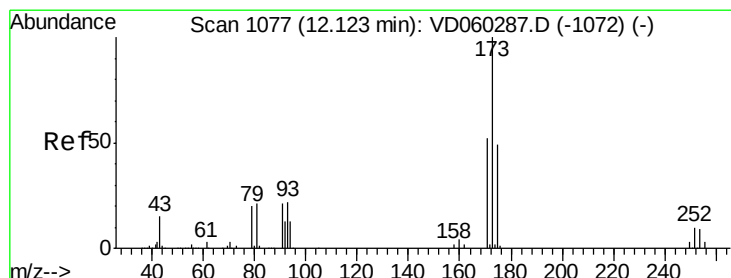
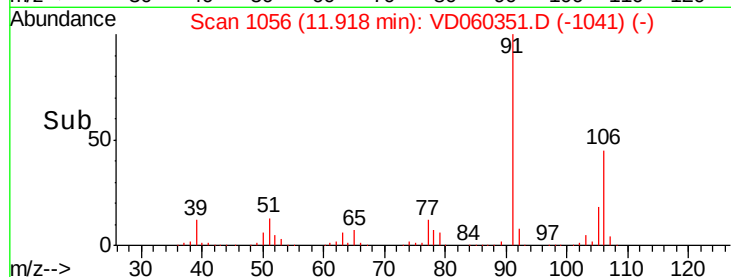
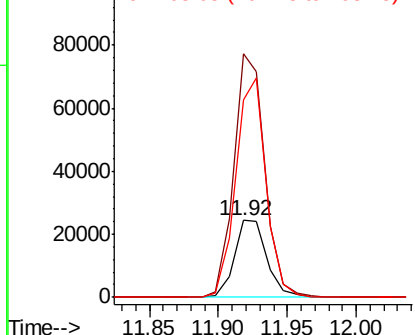
#70
Styrene
Concen: 1.076 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. -0.05 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

Tgt Ion:104 Resp: 39988
Ion Ratio Lower Upper
104 100
78 317.3 31.6 47.4#
103 257.0 37.0 55.6#

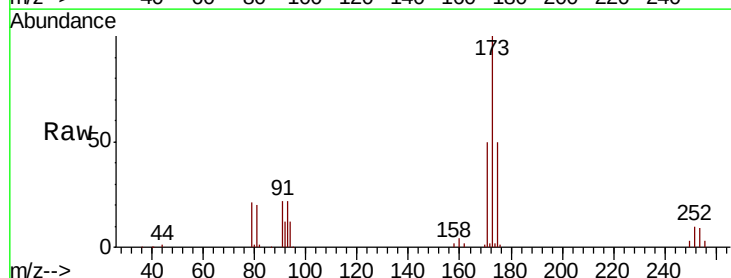


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

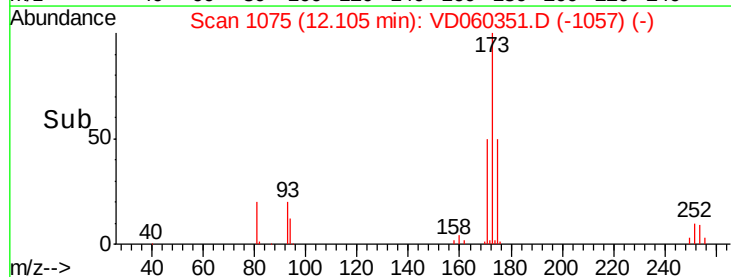
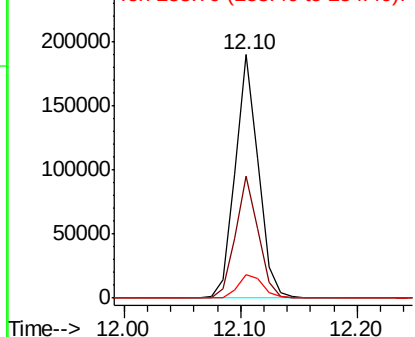


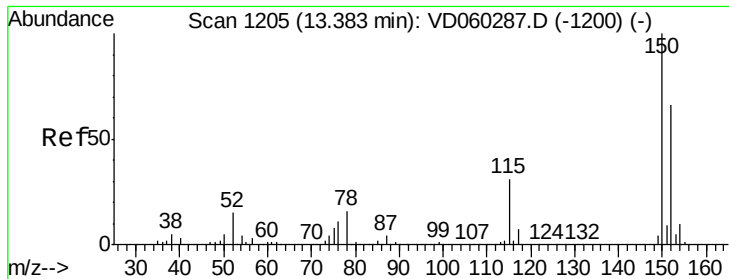
#71
Bromoform
Concen: 31.529 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion:173 Resp: 261419
Ion Ratio Lower Upper
173 100
175 50.0 24.3 73.0
254 9.5 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

Instrument :

MSVOA_D

ClientSampleId :

PT-VOA-SOILDL

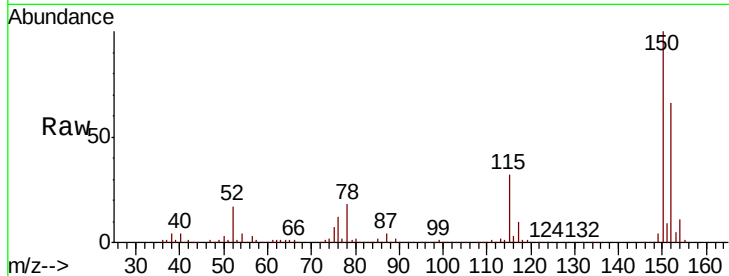
Tgt Ion: 152 Resp: 921701

Ion Ratio Lower Upper

152 100

115 48.3 24.1 72.3

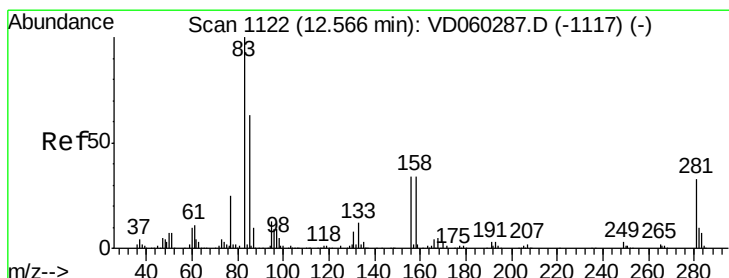
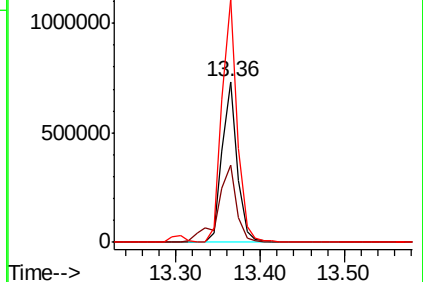
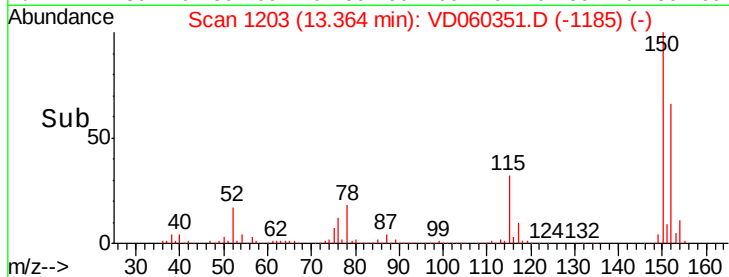
150 151.3 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: 6.106 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VD060351.D

Acq: 12 Nov 2018 22:08

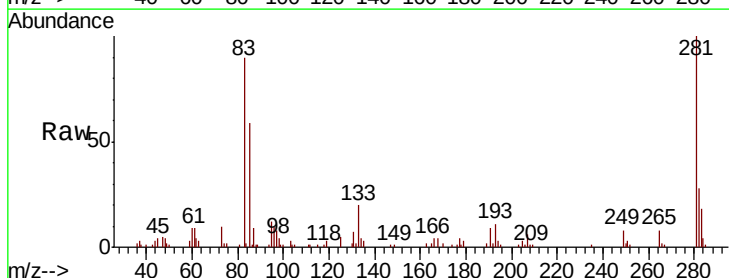
Tgt Ion: 83 Resp: 67057

Ion Ratio Lower Upper

83 100

131 7.7 3.9 11.5

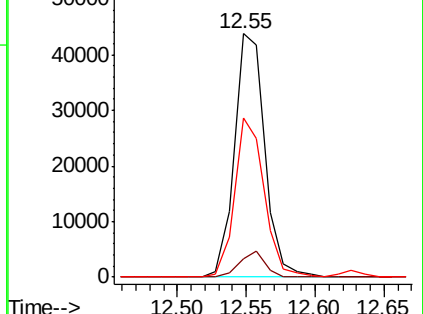
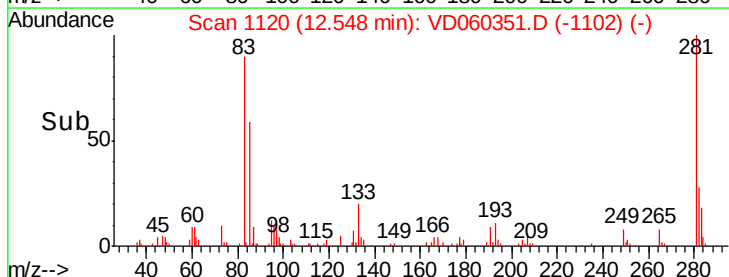
85 65.4 32.0 96.0

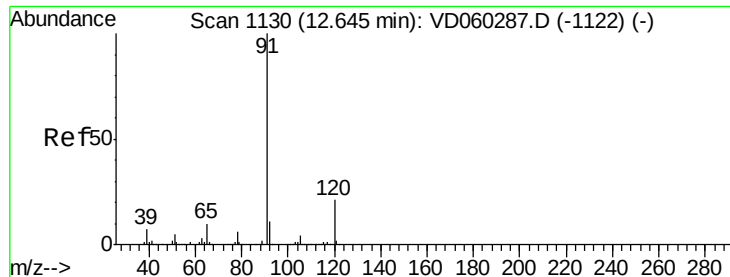


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): V

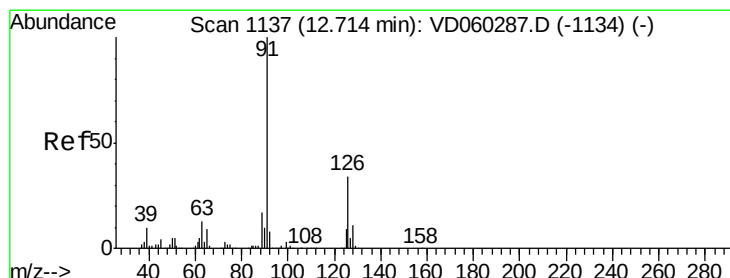
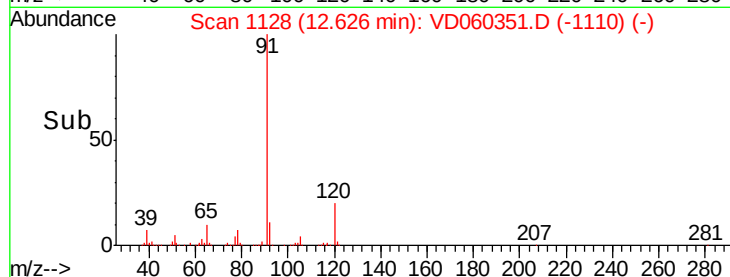
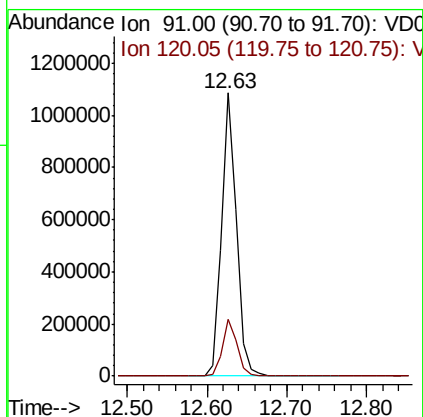
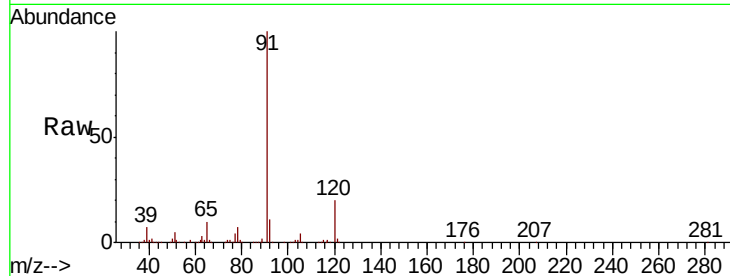




#78
n-propylbenzene
Concen: 17.112 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

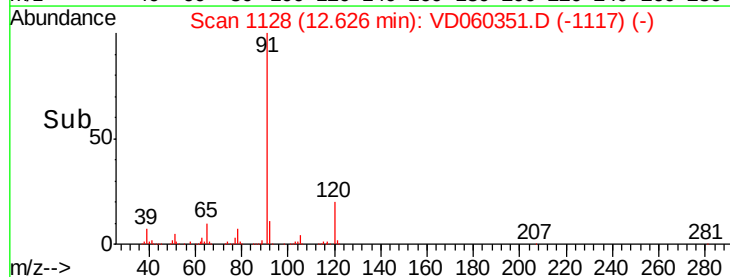
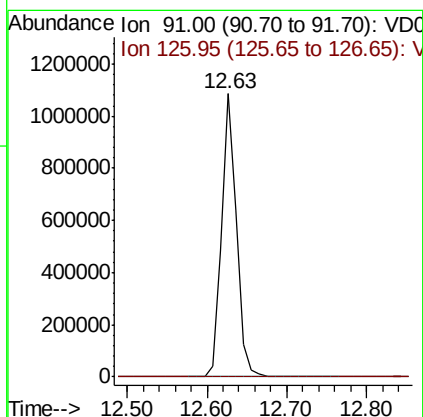
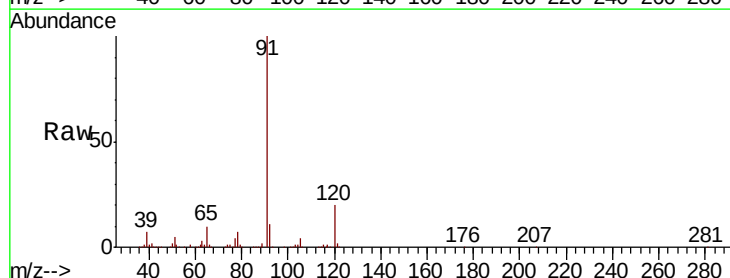
Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

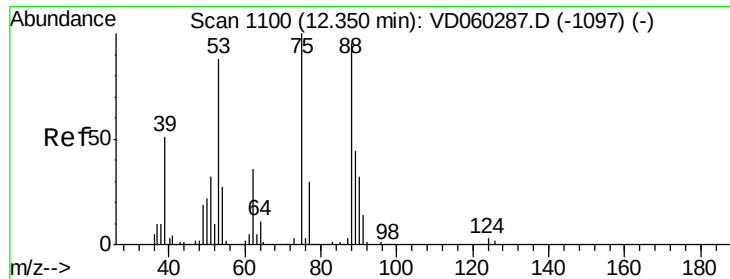
Tgt Ion: 91 Resp: 1434290
Ion Ratio Lower Upper
91 100
120 20.3 10.4 31.4



#79
2-Chlorotoluene
Concen: 31.243 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.09 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Tgt Ion: 91 Resp: 1434290
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.2#

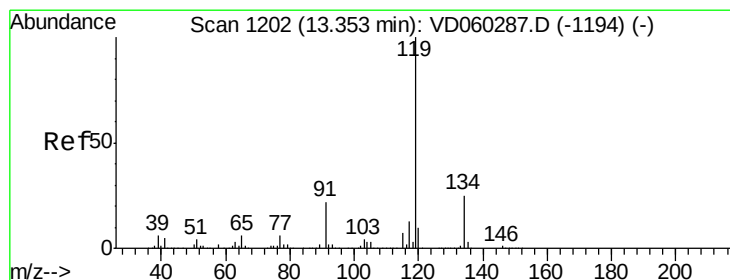
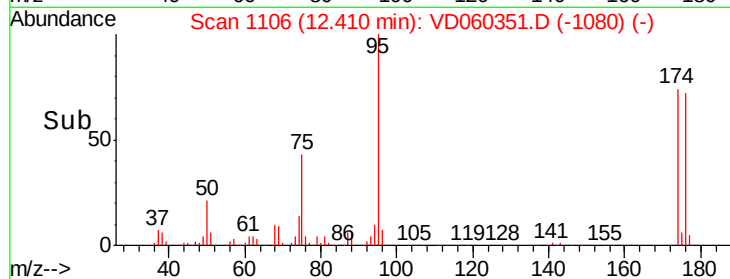
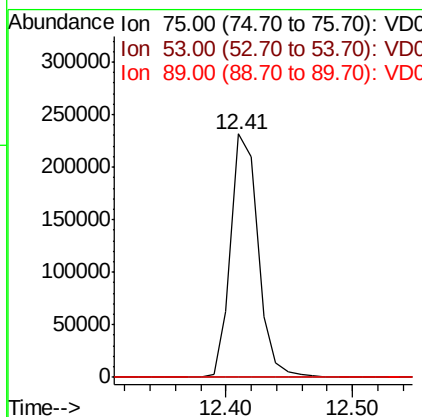
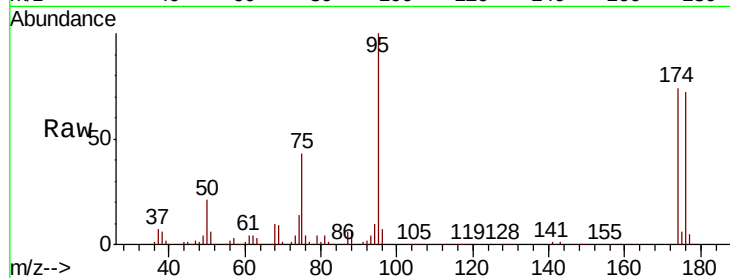




#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.728 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. 0.06 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

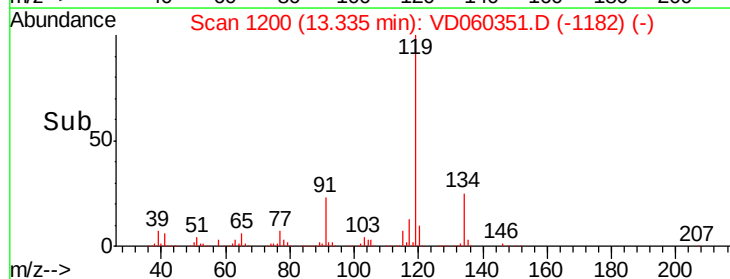
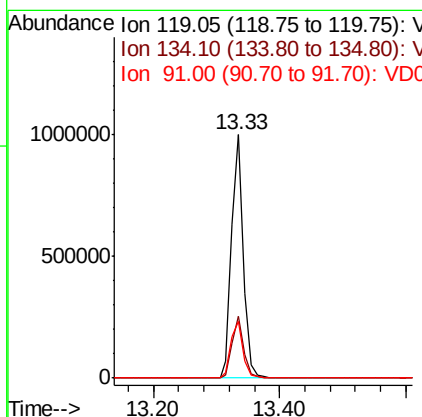
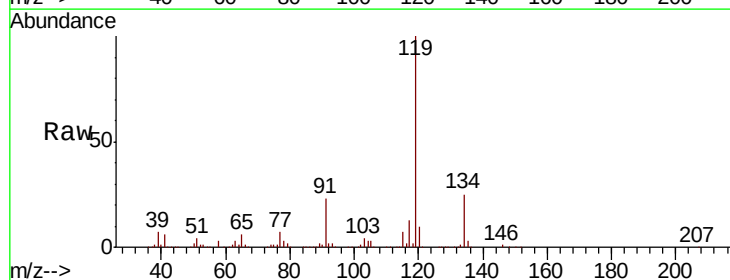
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

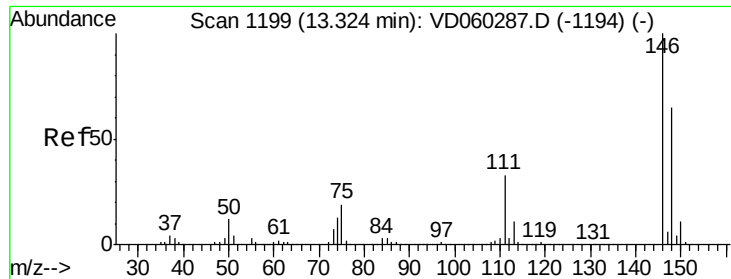
Tgt Ion: 75 Resp: 347575
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 34.1 51.1#



#86
 p-Isopropyltoluene
 Concen: 22.121 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion: 119 Resp: 1266338
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.9 38.6
 91 23.2 11.3 33.8

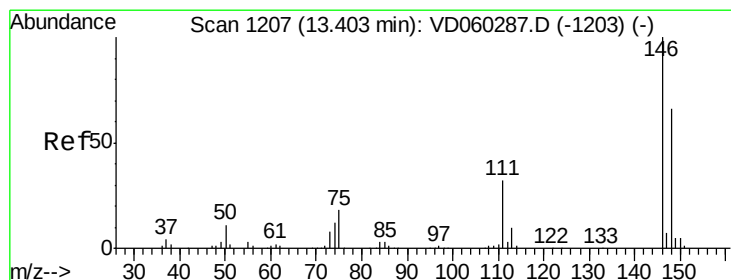
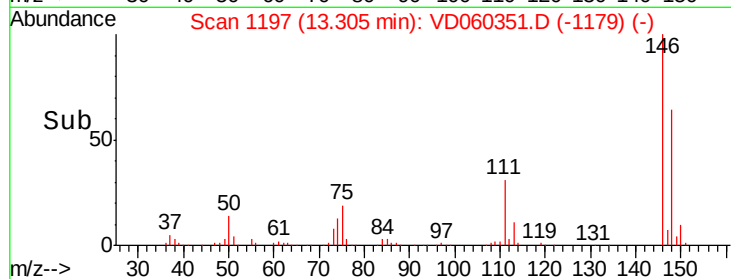
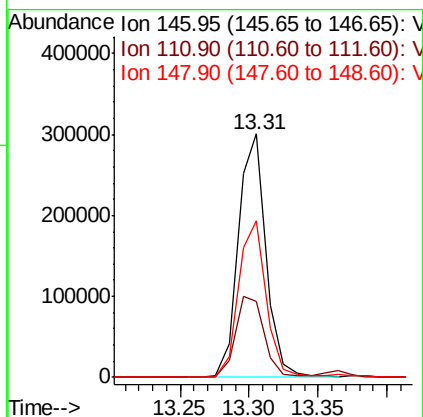
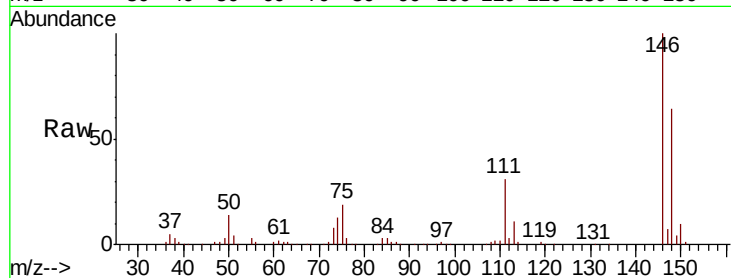




#87
 1,3-Dichlorobenzene
 Concen: 13.250 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

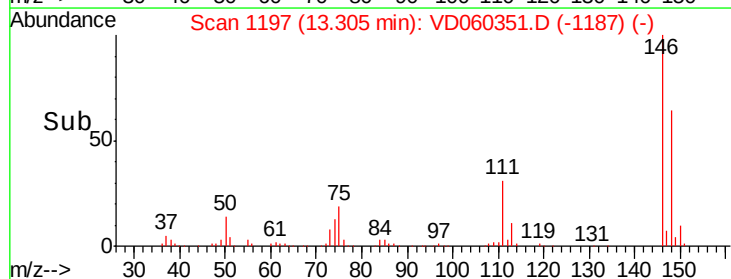
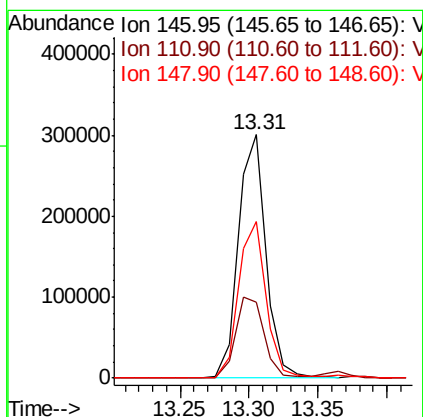
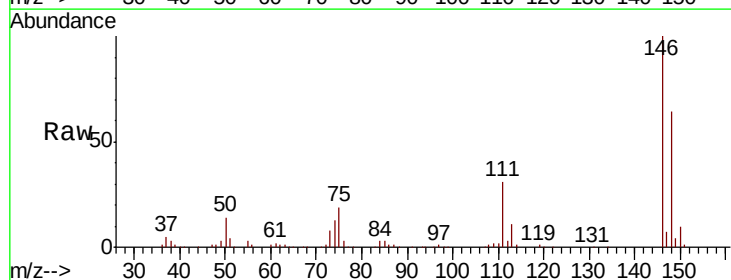
Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

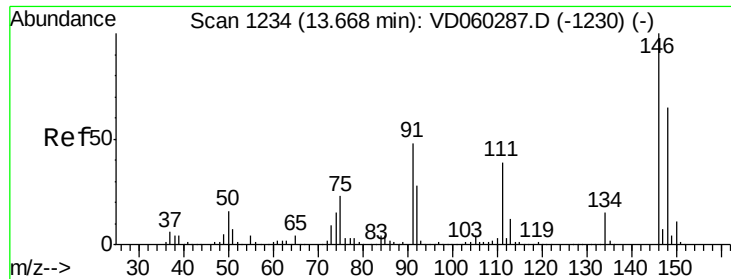
Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.4	20.2	60.5
148	64.2	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 13.567 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.10 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.4	16.0	47.9
148	64.2	32.9	98.7

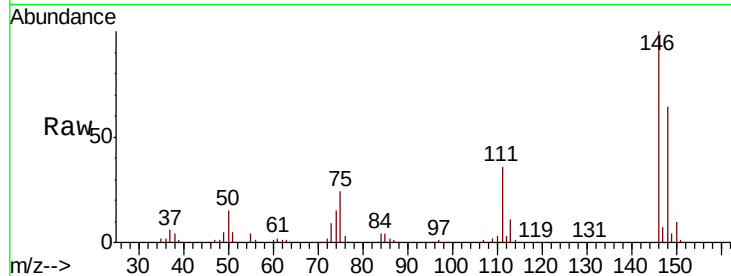




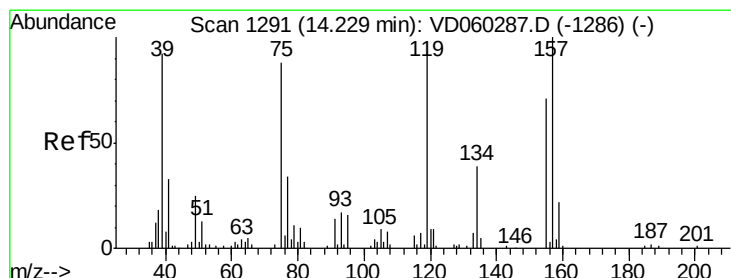
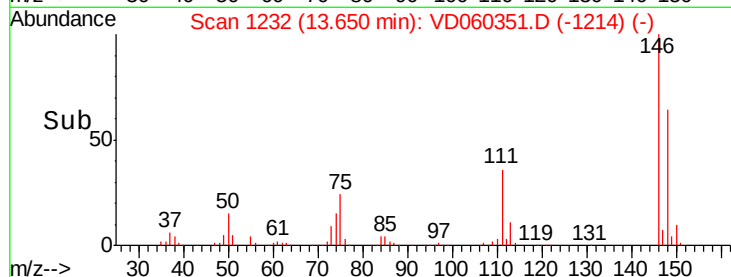
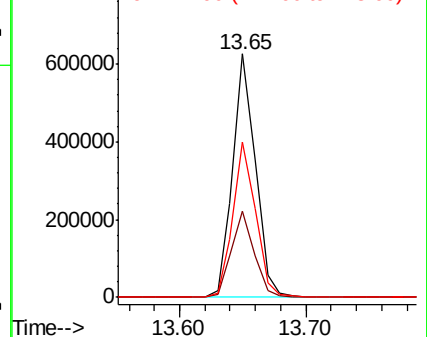
#91
 1,2-Dichlorobenzene
 Concen: 29.850 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Instrument :
 MSVOA_D
 ClientSampleId :
 PT-VOA-SOILDL

Tgt Ion: 146 Resp: 778105
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.9 56.9
 148 63.6 31.6 94.8

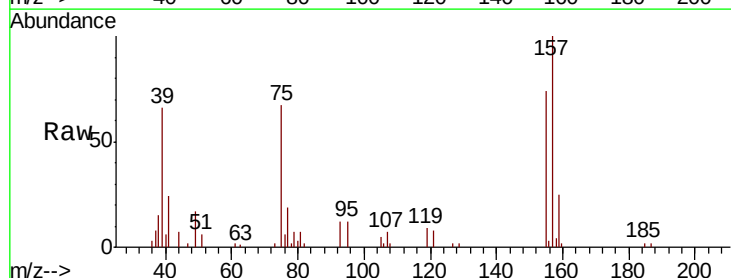


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

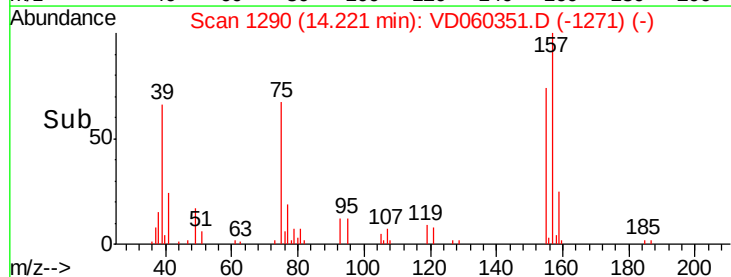
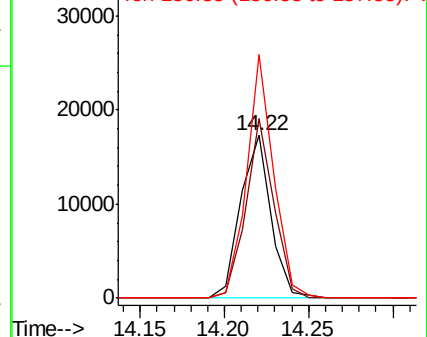


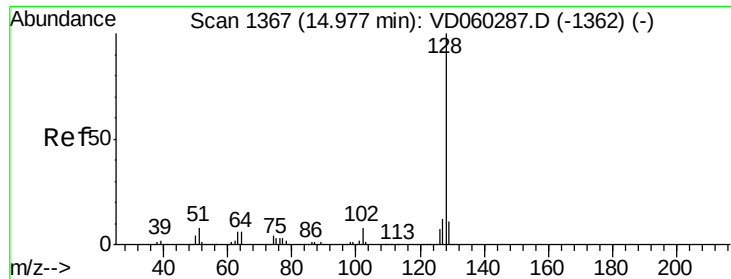
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.230 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD060351.D
 Acq: 12 Nov 2018 22:08

Tgt Ion: 75 Resp: 21516
 Ion Ratio Lower Upper
 75 100
 155 110.3 64.3 192.9
 157 149.5 81.0 243.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





#95
Naphthalene
Concen: 22.148 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060351.D
Acq: 12 Nov 2018 22:08

Instrument :
MSVOA_D
ClientSampleId :
PT-VOA-SOILDL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.6	14.4
129	10.6	8.6	12.8

