

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055183.D
 Acq On : 22 Apr 2019 16:02
 Operator : JC/SP
 Sample : K2510-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE-A

Quant Time: Apr 23 06:01:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	387277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	667671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	260040	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	7.59	113	216512	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
50) Toluene-d8	10.09	98	809121	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.40	95	246759	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds

						Qvalue
13) Acrolein	3.61	56	210	9.949	ug/l #	58
14) Allyl chloride	4.55	41	18365	2.332	ug/l #	26
16) Acetone	3.82	43	7678	4.431	ug/l	99
17) Carbon Disulfide	4.05	76	7881	0.708	ug/l #	94
18) Methyl Acetate	4.34	43	5197	0.274	ug/l #	82
20) Methylene Chloride	4.55	84	388739	78.033	ug/l	99
25) 2-Butanone	6.85	43	628	0.281	ug/l #	53
29) Tetrahydrofuran	7.23	42	1071	0.779	ug/l #	61
30) Chloroform	7.37	83	6186	0.770	ug/l	94
31) Cyclohexane	7.66	56	8419	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	28669	4.626	ug/l #	50
38) Carbon Tetrachloride	7.67	117	36937	6.365	ug/l #	16
43) Isopropyl Acetate	8.17	43	15944	1.969	ug/l #	90
45) 1,2-Dichloropropane	9.27	63	1786	0.331	ug/l #	45
47) Bromodichloromethane	9.40	83	1574	0.254	ug/l #	82
48) Methyl methacrylate	9.18	41	7901	2.011	ug/l #	15
49) 1,4-Dioxane	9.27	88	30	0.661	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4724	1.014	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	55296	7.846	ug/l #	65
57) 1,3-Dichloropropane	10.76	76	10360	1.440	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.90	63	106	11.333	ug/l #	51
59) 2-Hexanone	10.76	43	162740	55.286	ug/l #	56
68) m/p-Xylenes	11.62	106	1816	0.232	ug/l	98
71) Bromoform	12.40	173	1586	0.586	ug/l #	1
73) Isopropylbenzene	12.24	105	430	Below Cal		94
74) N-amyl acetate	11.88	43	12944	2.835	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.42	83	65	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	128587	35.795	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6740	0.508	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	128587	135.694	ug/l #	5
83) tert-Butylbenzene	12.99	119	171	Below Cal	#	57
84) 1,2,4-Trimethylbenzene	13.04	105	6116	0.489	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	256	2.831	ug/l #	76
94) Hexachlorobutadiene	15.00	225	64	Below Cal	#	18

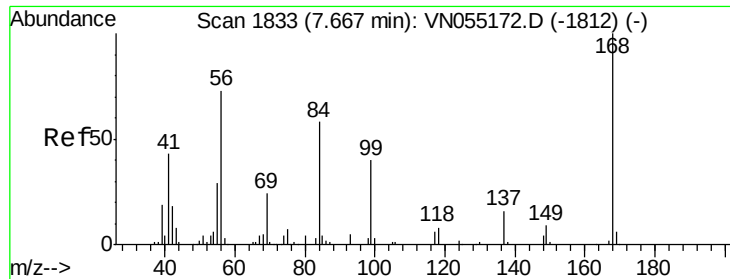
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
Data File : VN055183.D
Acq On : 22 Apr 2019 16:02
Operator : JC/SP
Sample : K2510-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE-A

Quant Time: Apr 23 06:01:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:52:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	5895	4.356	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.32	180	355	2.255	ug/l #	71

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

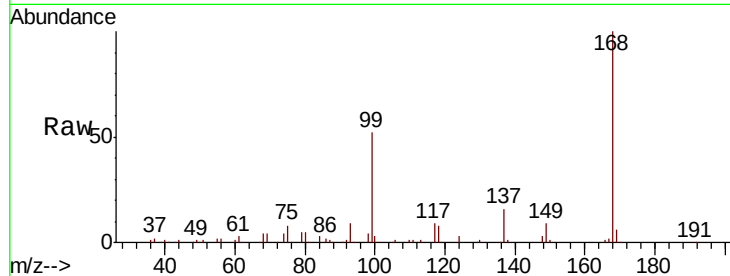
SOIL-PILE-A

Tot Ion:168 Resp: 387277

Ion Ratio Lower Upper

168 100

99 52.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN055183.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055183.D (-1740) (-)

7.67

150000

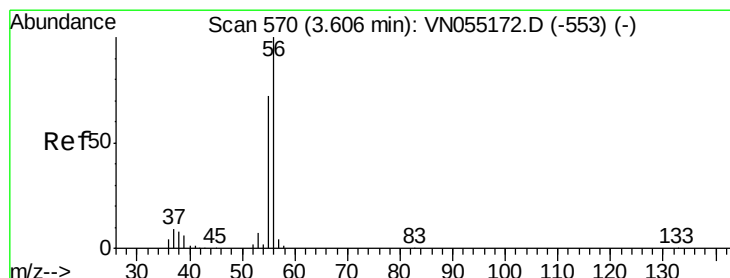
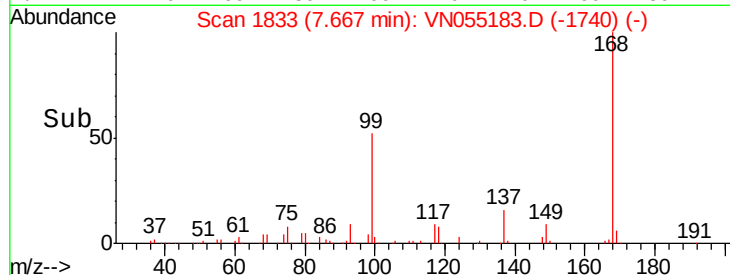
100000

50000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 9.949 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN055183.D

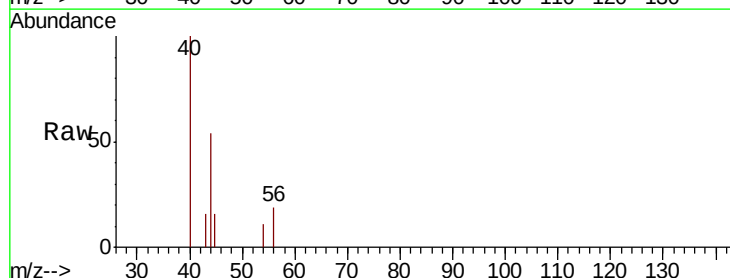
Acq: 22 Apr 2019 16:02

Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 37.1 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN055183.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN055183.D (-477) (-)

3.61

300

250

200

150

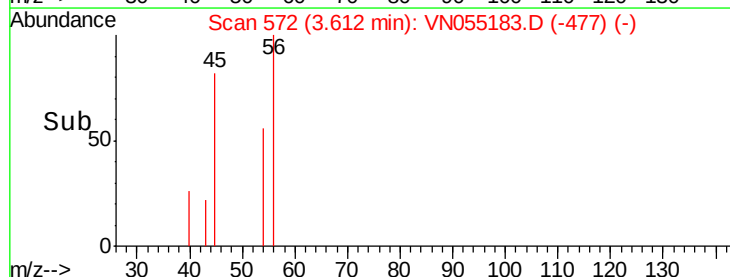
100

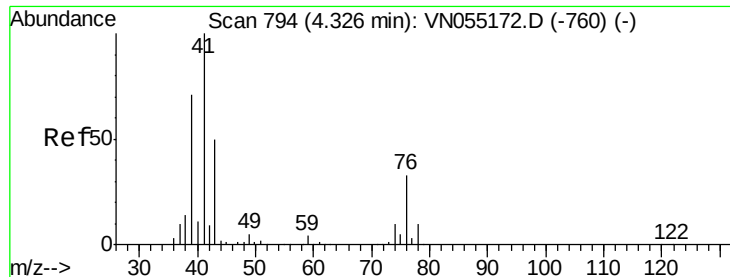
50

0

3.59 3.60 3.61 3.62 3.63

Time-->

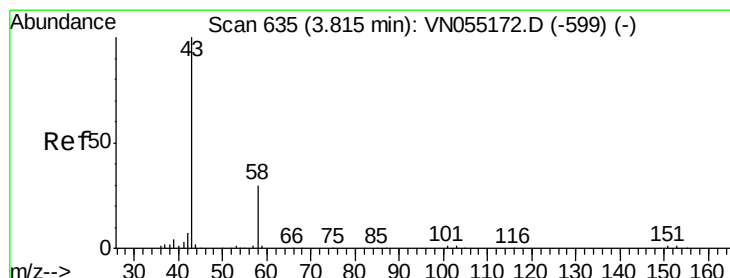
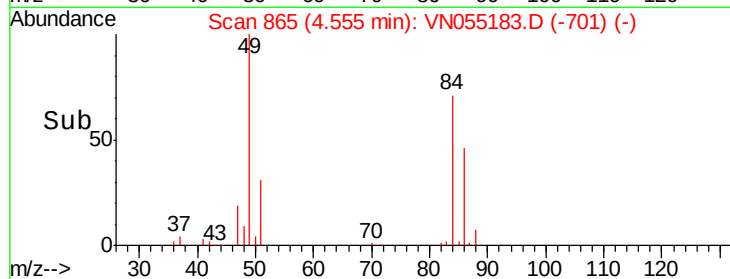
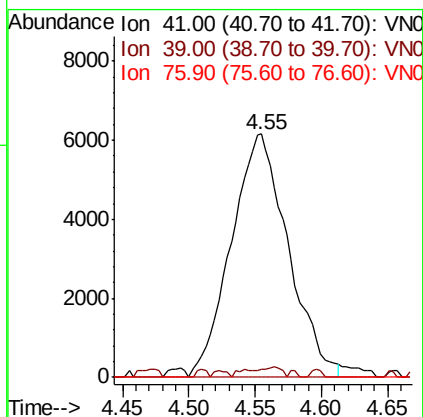
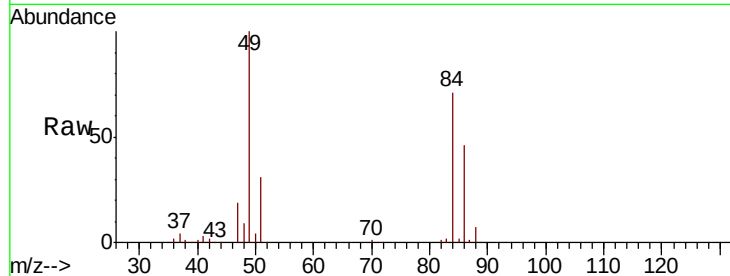




#14
Allvl chloride
Concen: 2.332 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.23 min
Lab File: VN055183.D
Acq: 22 Apr 2019 16:02

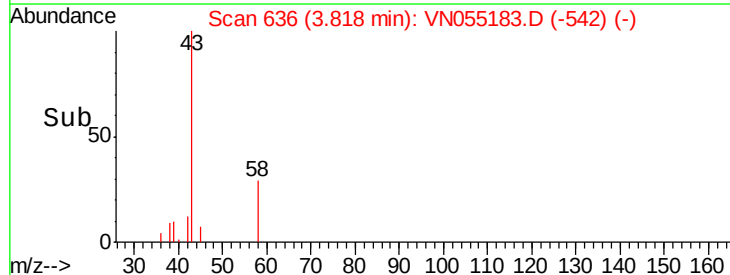
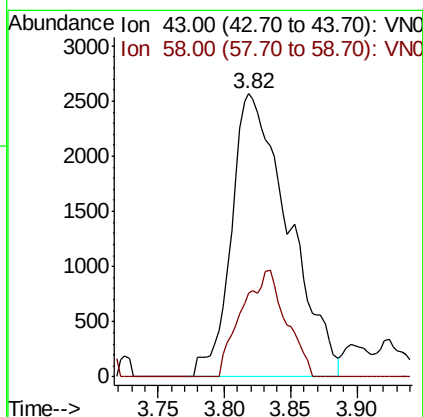
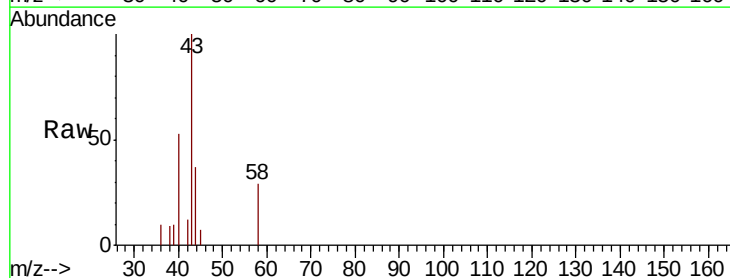
Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE-A

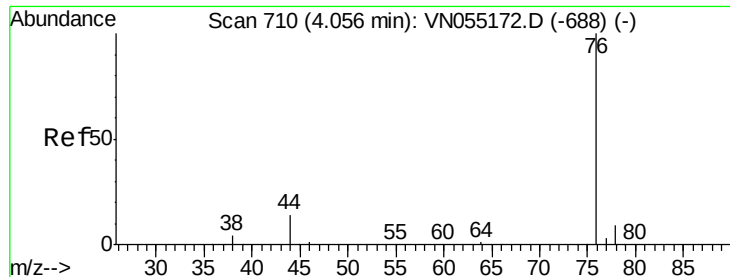
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.9	52.9	79.3#
76	0.0	23.6	35.4#



#16
Acetone
Concen: 4.431 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN055183.D
Acq: 22 Apr 2019 16:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.8	35.8





#17

Carbon Disulfide

Concen: 0.708 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

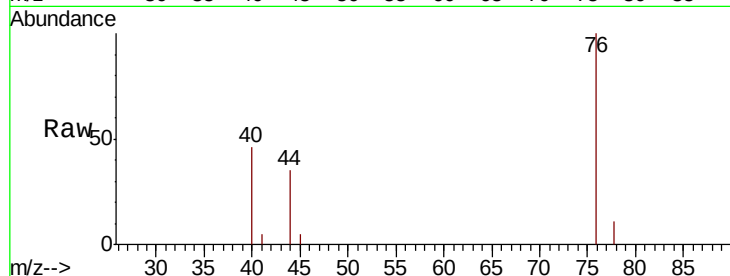
SOIL-PILE-A

Tot Ion: 76 Resp: 7881

Ion Ratio Lower Upper

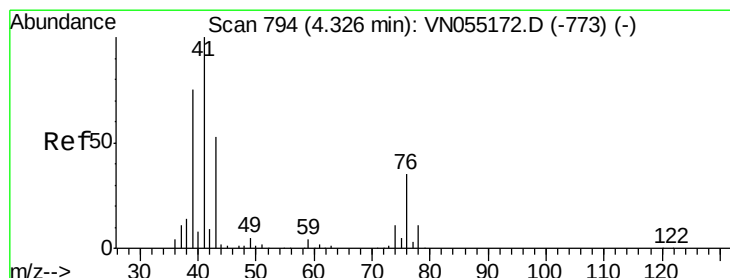
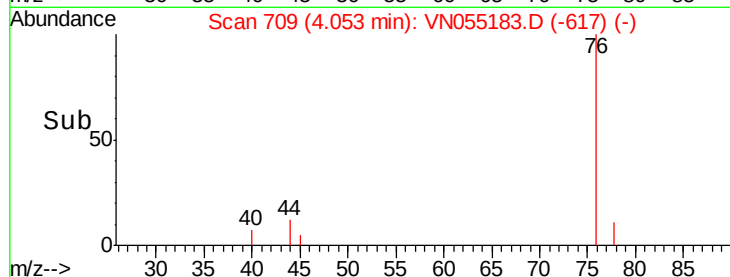
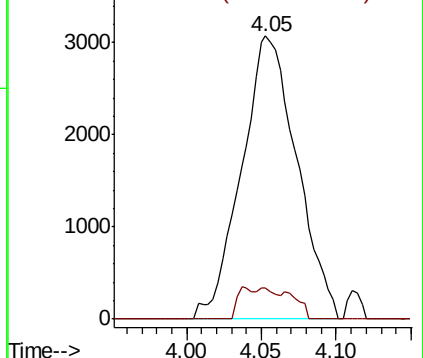
76 100

78 11.1 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.274 ug/l

RT: 4.34 min Scan# 799

Delta R.T. 0.02 min

Lab File: VN055183.D

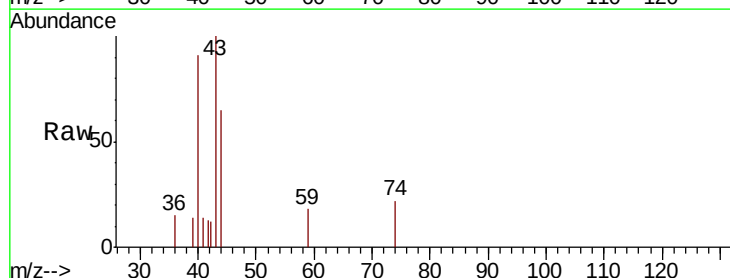
Acq: 22 Apr 2019 16:02

Tgt Ion: 43 Resp: 5197

Ion Ratio Lower Upper

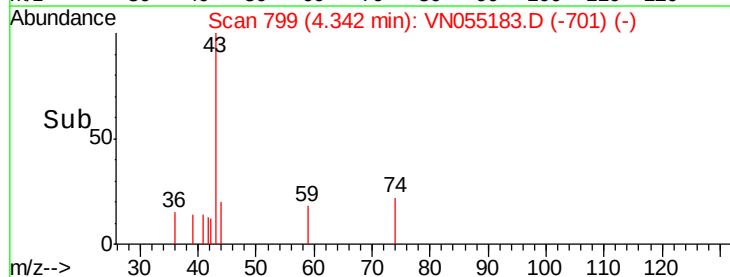
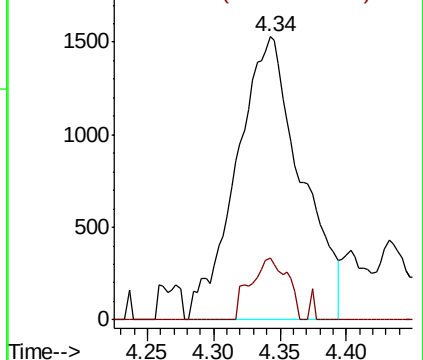
43 100

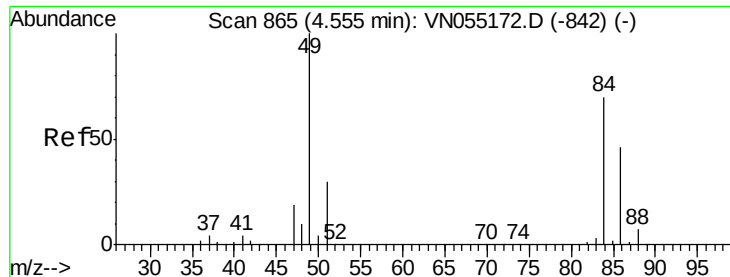
74 12.4 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

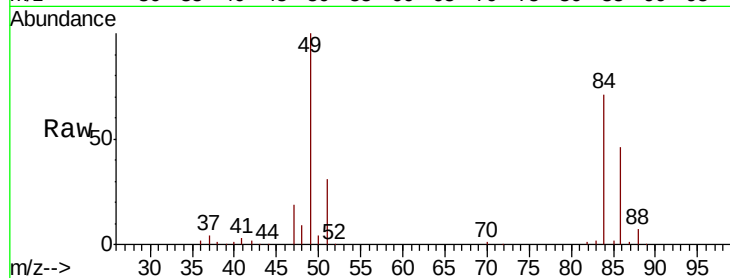




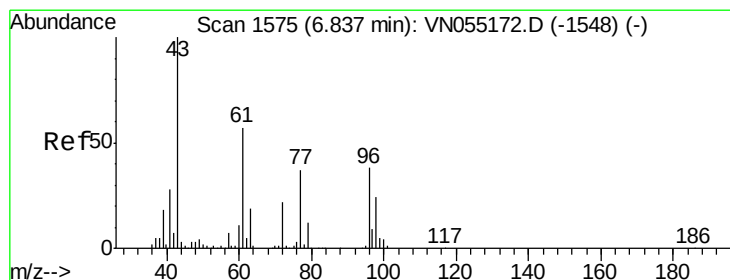
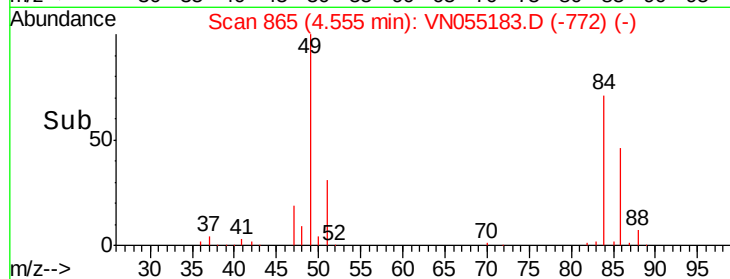
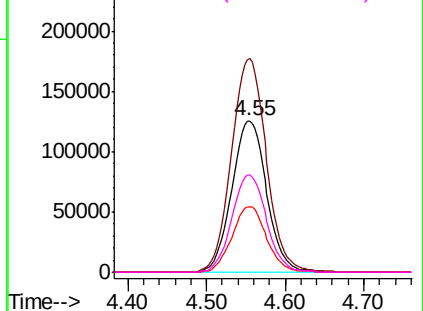
#20
Methvlene Chloride
Concen: 78.033 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN055183.D
Acq: 22 Apr 2019 16:02

Instrument :
MSVOA_N
ClientSampled :
SOIL-PILE-A

Tot Ion: 84 Resp: 388739
Ion Ratio Lower Upper
84 100
49 141.2 113.8 170.6
51 43.4 34.0 51.0
86 64.7 52.3 78.5

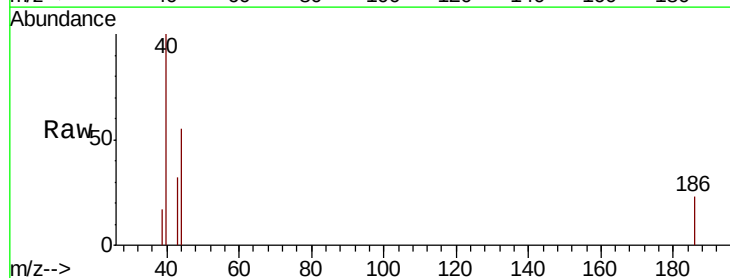


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

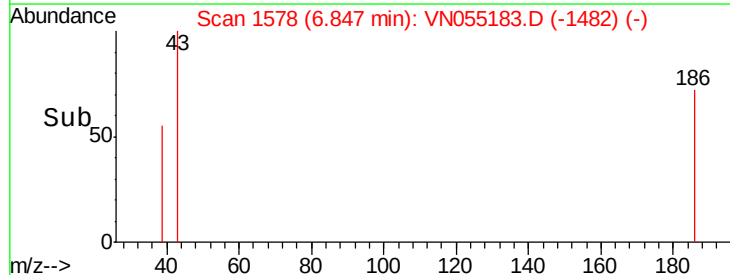
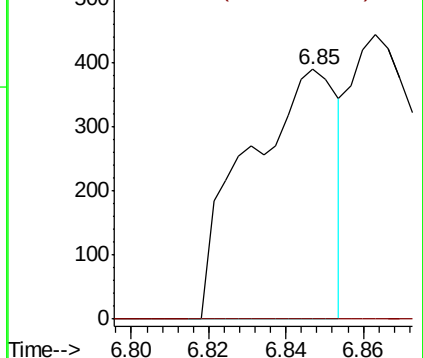


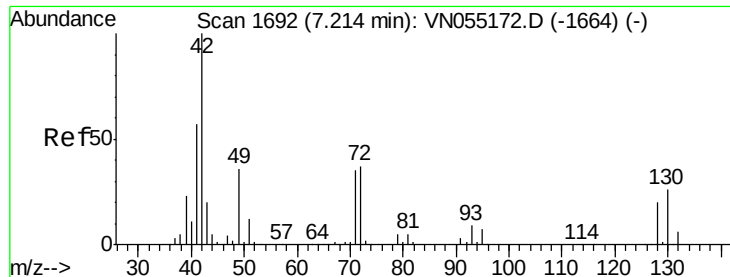
#25
2-Butanone
Concen: 0.281 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN055183.D
Acq: 22 Apr 2019 16:02

Tgt Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.779 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

SOIL-PILE-A

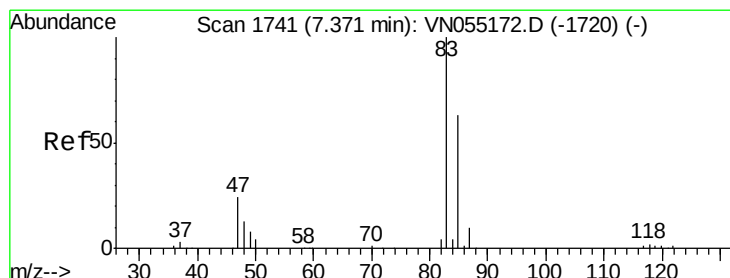
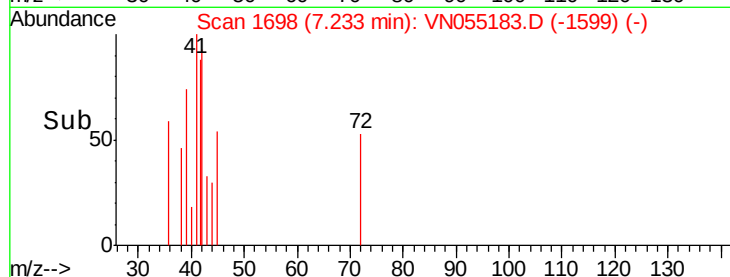
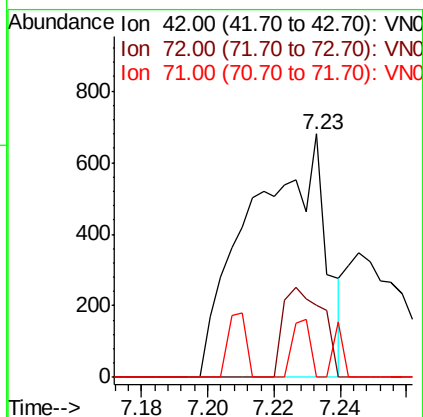
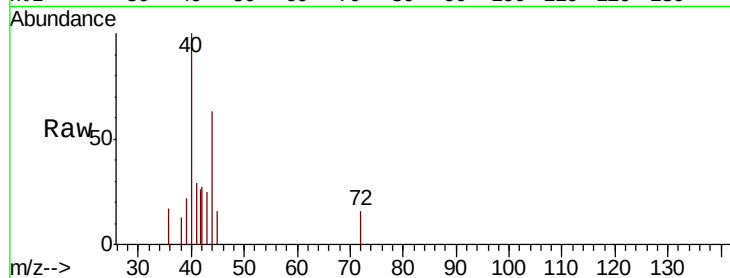
Tot Ion: 42 Resp: 1071

Ion Ratio Lower Upper

42 100

72 19.5 29.4 44.2#

71 5.7 27.8 41.8#



#30

Chloroform

Concen: 0.770 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055183.D

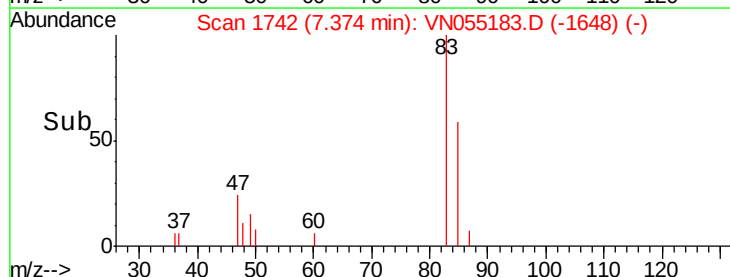
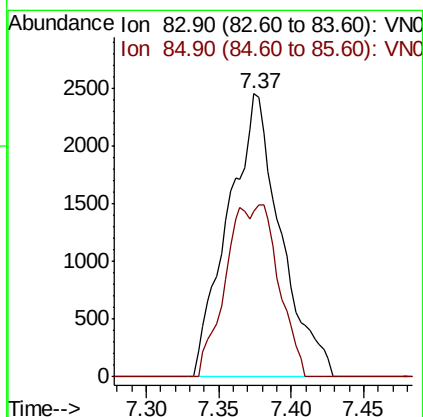
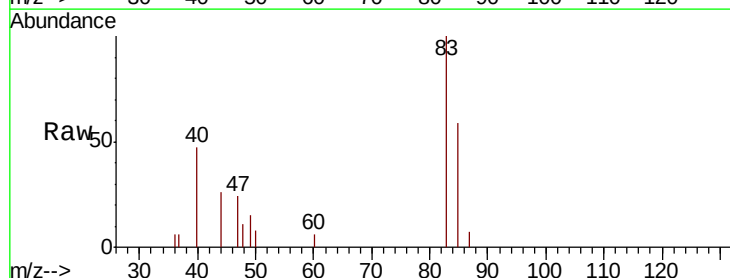
Acq: 22 Apr 2019 16:02

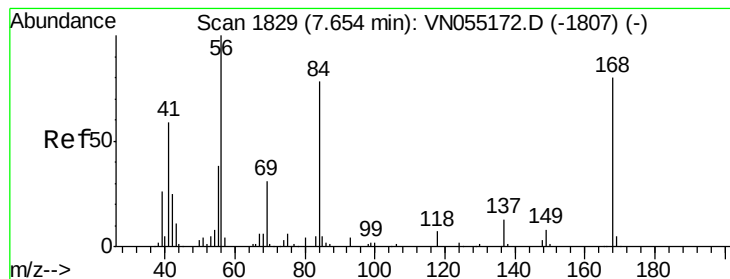
Tgt Ion: 83 Resp: 6186

Ion Ratio Lower Upper

83 100

85 58.5 50.6 76.0





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

SOIL-PILE-A

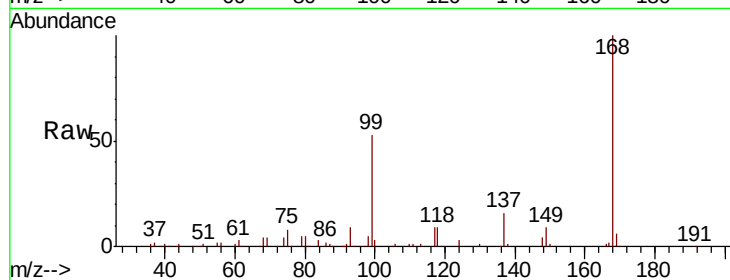
Tot Ion: 56 Resp: 8419

Ion Ratio Lower Upper

56 100

69 171.1 24.6 37.0#

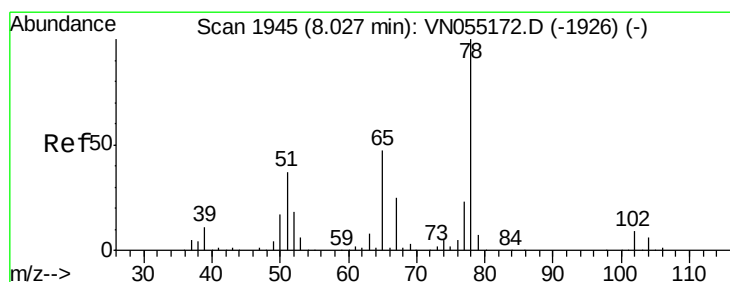
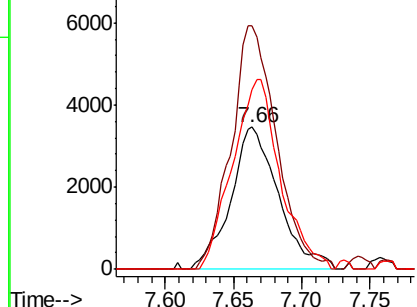
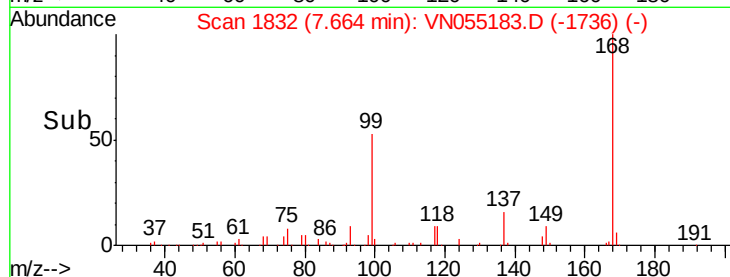
84 126.3 61.4 92.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.608 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055183.D

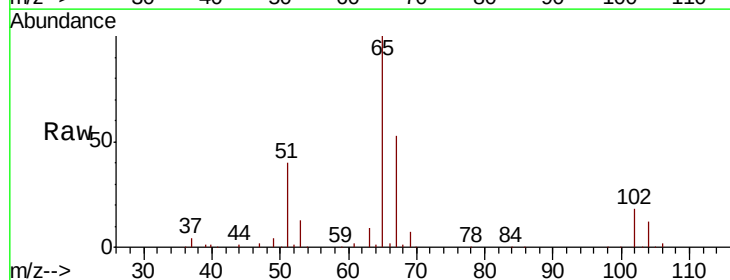
Acq: 22 Apr 2019 16:02

Tgt Ion: 65 Resp: 260040

Ion Ratio Lower Upper

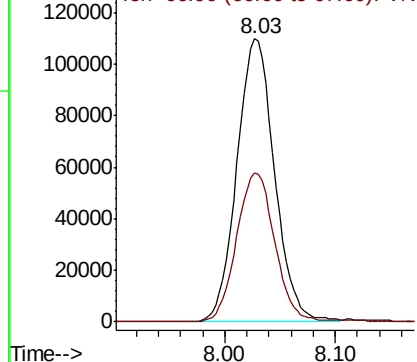
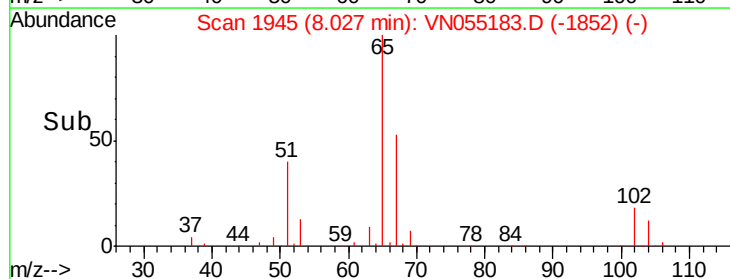
65 100

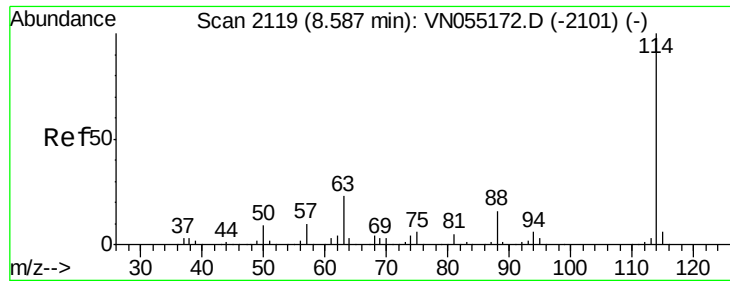
67 53.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

SOIL-PILE-A

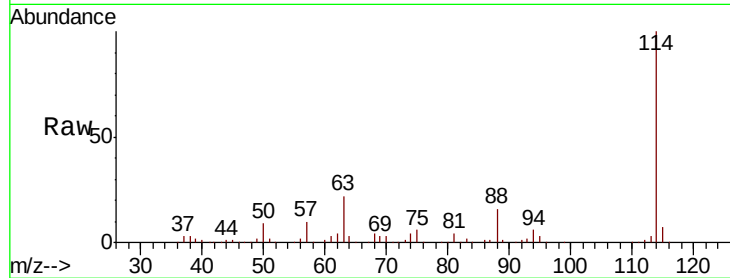
Tot Ion:114 Resp: 667671

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

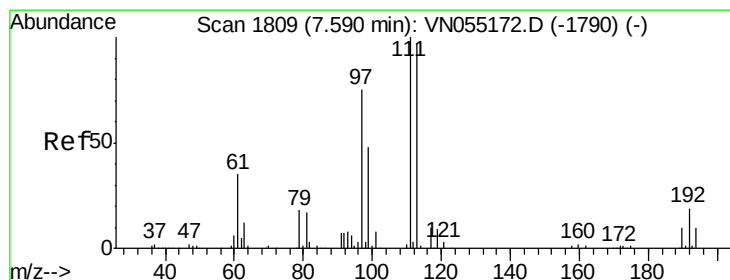
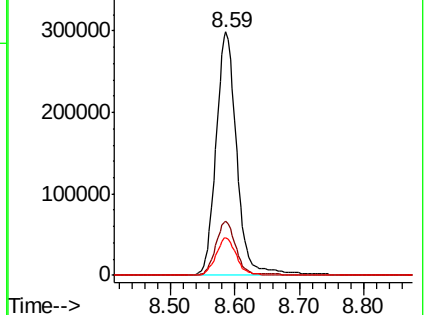
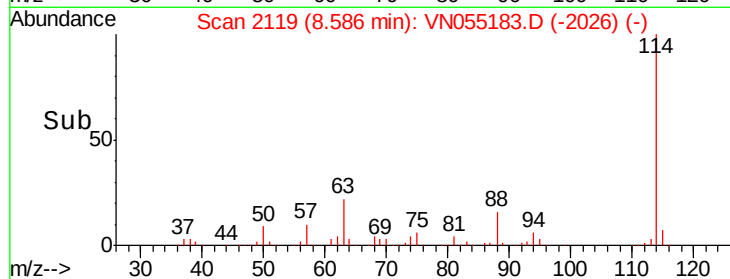
88 15.6 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.734 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

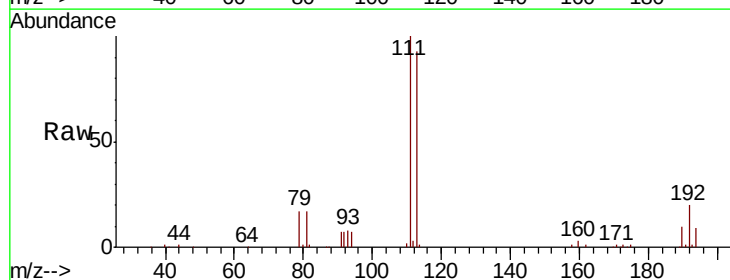
Tgt Ion:113 Resp: 216512

Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.4

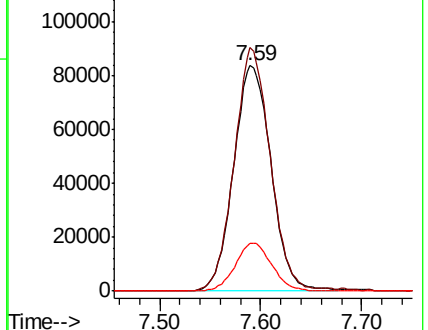
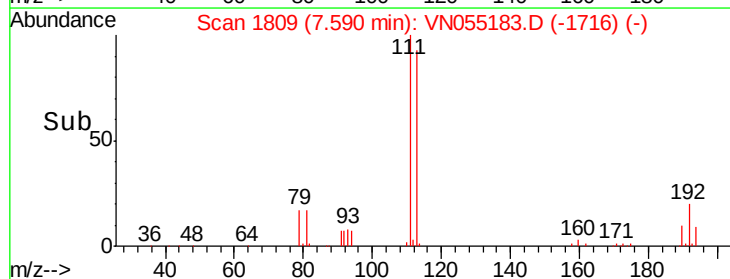
192 20.7 16.2 24.4

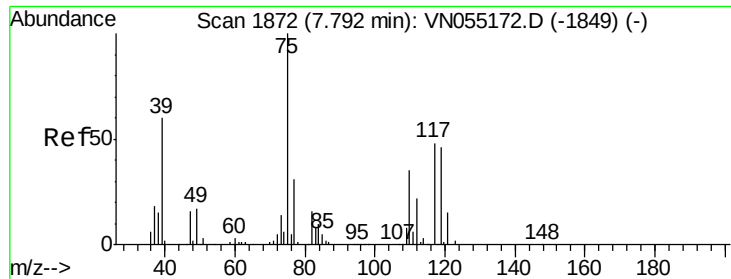


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

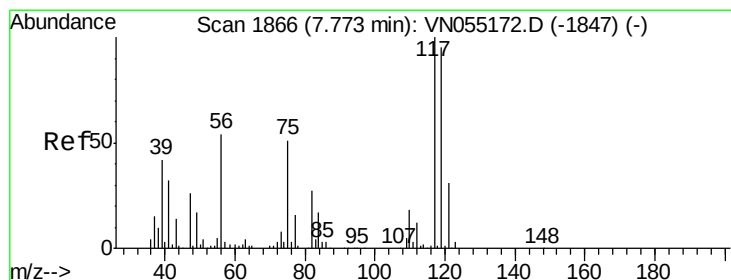
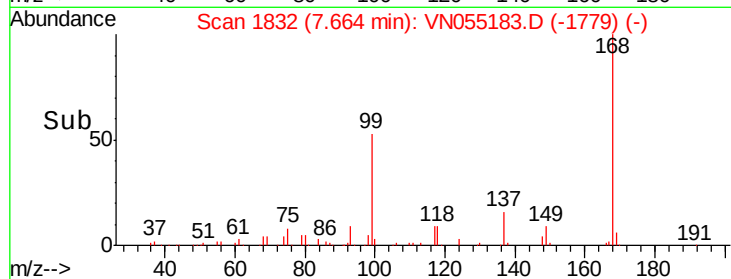
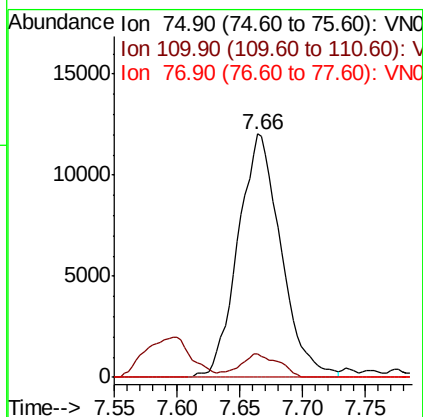
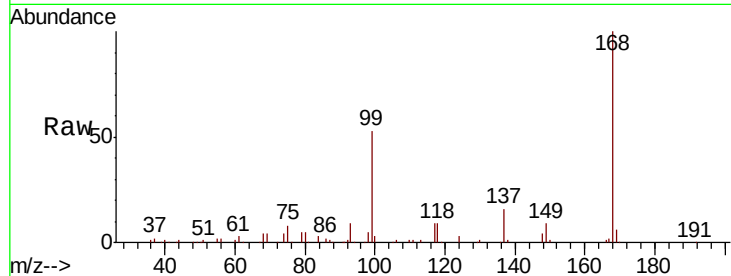




#36
 1,1-Dichloropropene
 Concen: 4.626 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055183.D
 Acq: 22 Apr 2019 16:02

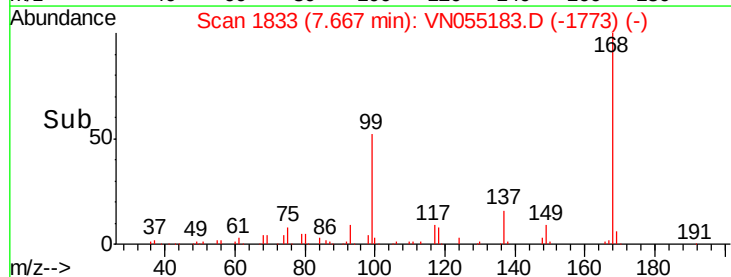
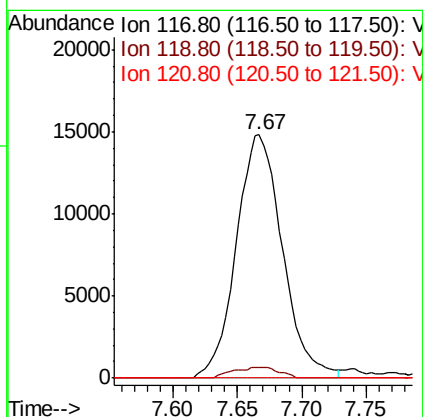
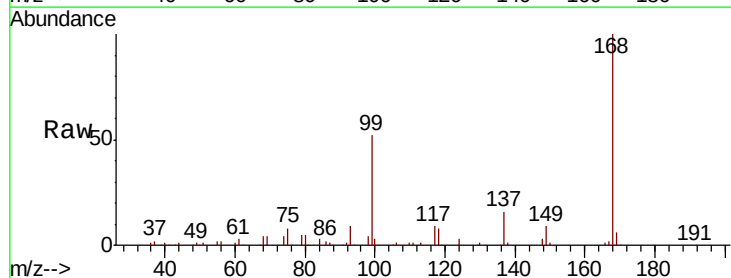
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE-A

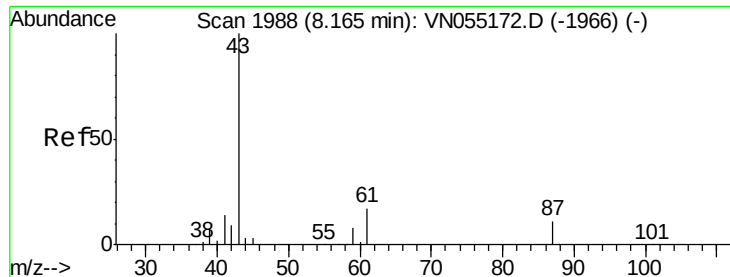
Tot Ion: 75 Resp: 28669
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.1 51.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.365 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055183.D
 Acq: 22 Apr 2019 16:02

Tgt Ion: 117 Resp: 36937
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.0 114.0#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 1.969 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

SOIL-PILE-A

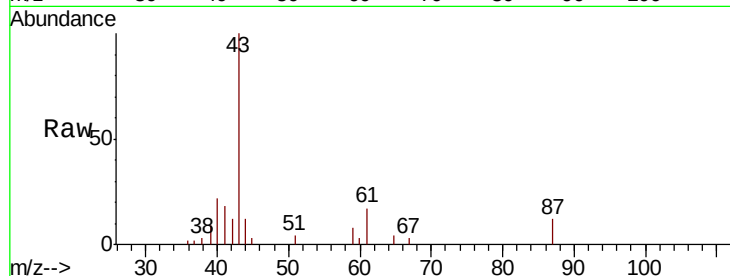
Tot Ion: 43 Resp: 15944

Ion Ratio Lower Upper

43 100

61 18.6 20.6 30.8#

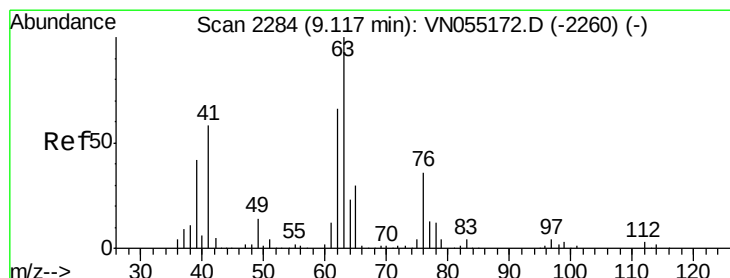
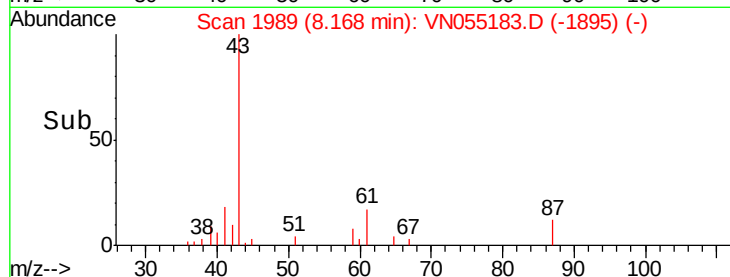
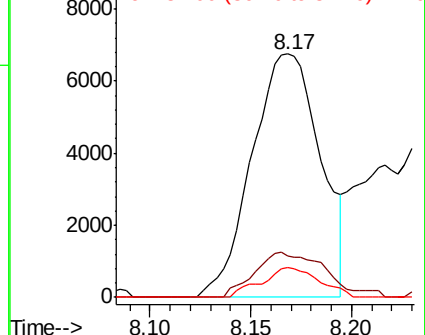
87 10.3 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.331 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN055183.D

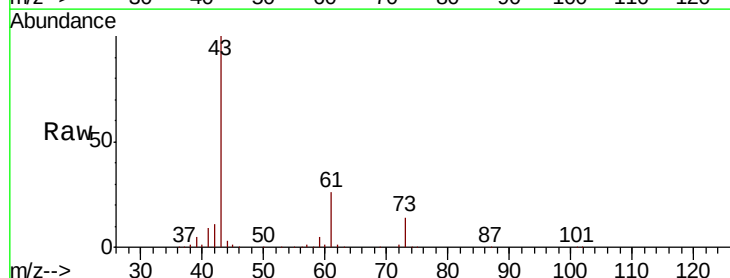
Acq: 22 Apr 2019 16:02

Tgt Ion: 63 Resp: 1786

Ion Ratio Lower Upper

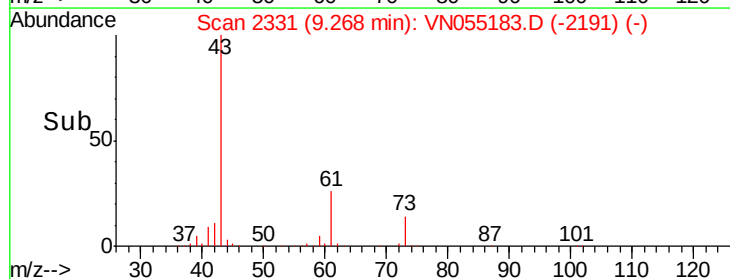
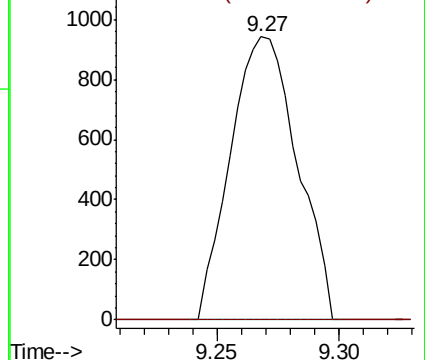
63 100

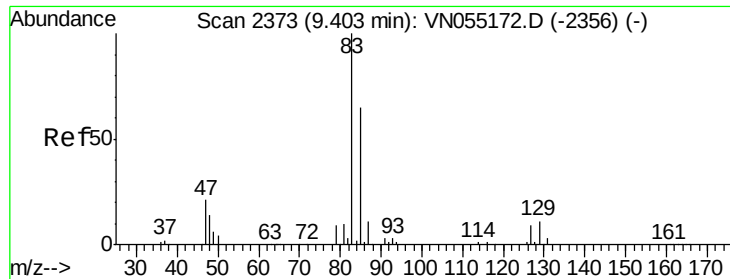
65 0.0 23.8 35.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 0.254 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

SOIL-PILE-A

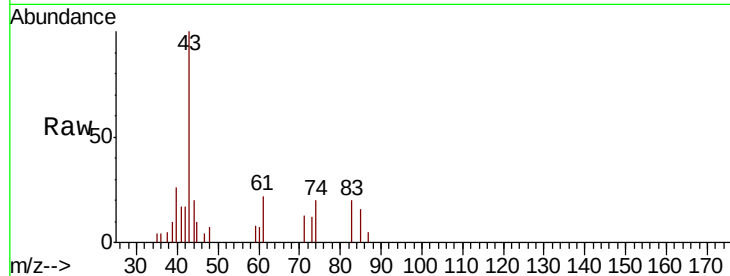
Tot Ion: 83 Resp: 1574

Ion Ratio Lower Upper

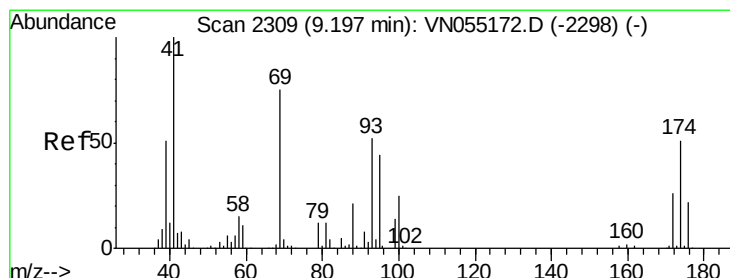
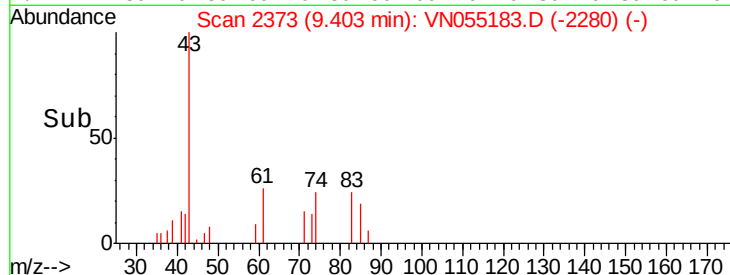
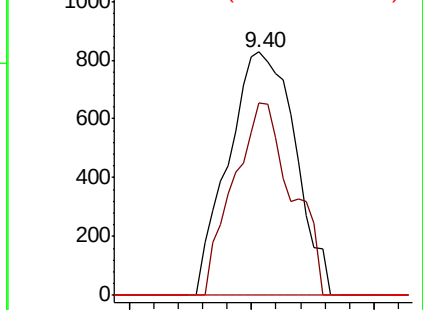
83 100

85 79.1 52.1 78.1#

127 0.0 6.9 10.3#



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



#48

Methyl methacrylate

Concen: 2.011 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

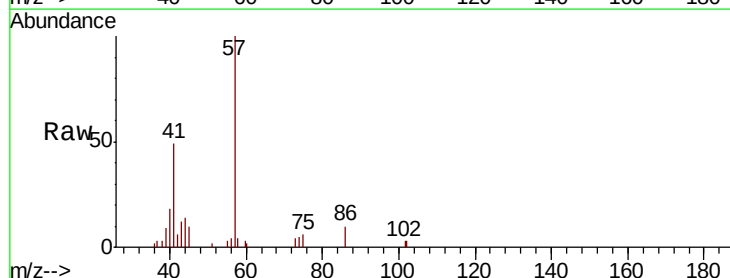
Tgt Ion: 41 Resp: 7901

Ion Ratio Lower Upper

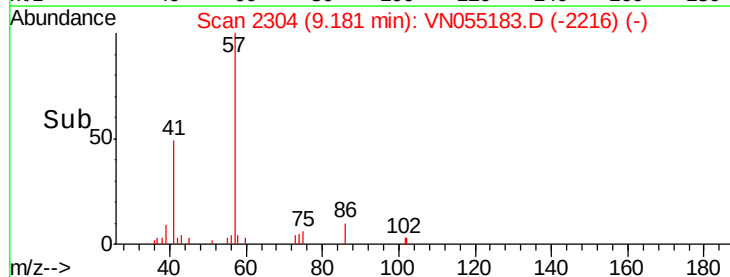
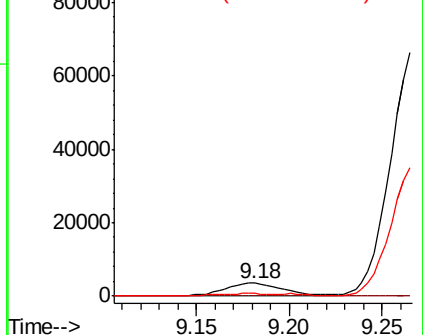
41 100

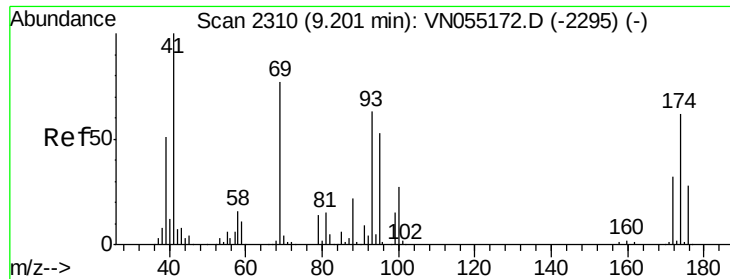
69 0.0 63.6 95.4#

39 0.0 43.8 65.8#



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





#49

1,4-Dioxane

Concen: 0.661 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

SOIL-PILE-A

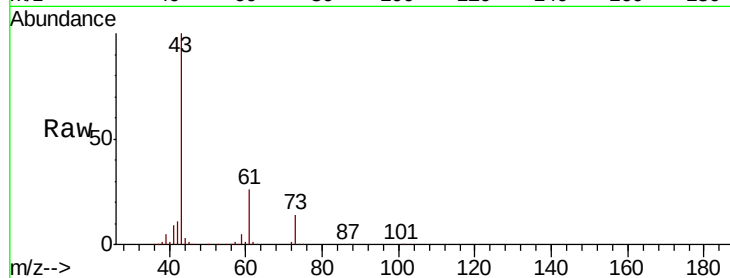
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 4665023.3 32.0 48.0#

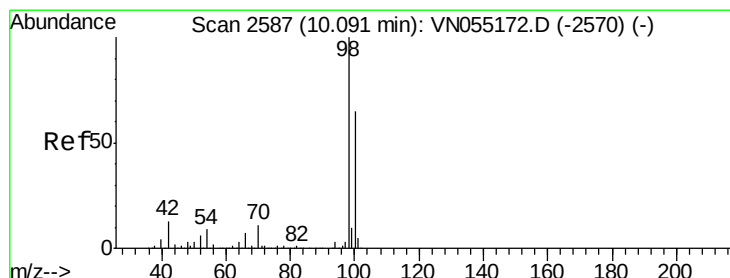
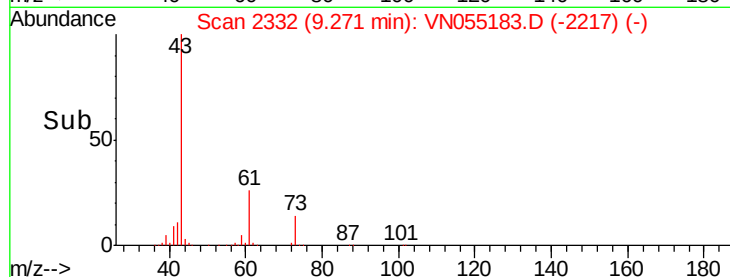
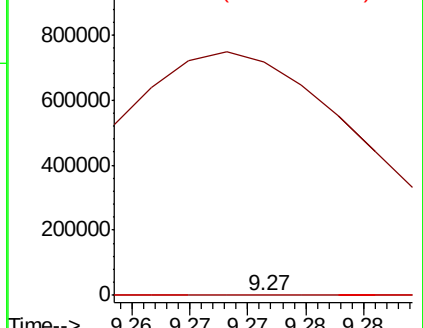
58 20866.7 60.4 90.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.145 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055183.D

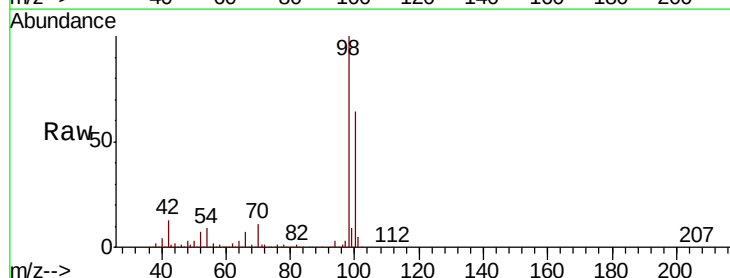
Acq: 22 Apr 2019 16:02

Tgt Ion: 98 Resp: 809121

Ion Ratio Lower Upper

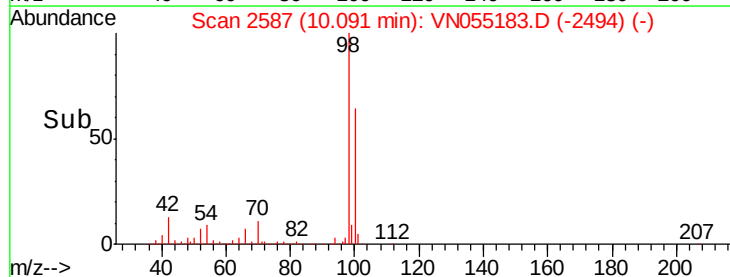
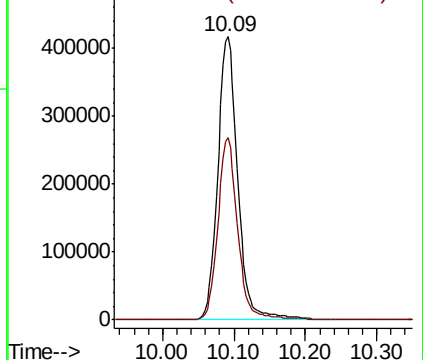
98 100

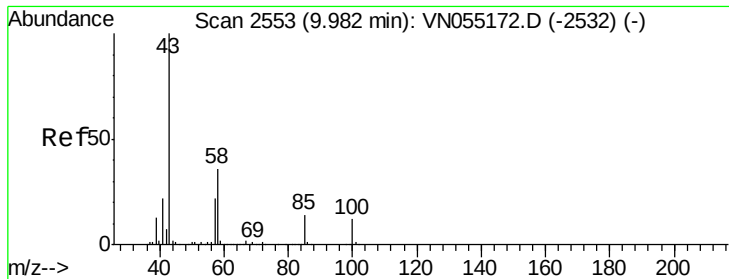
100 64.1 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.014 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

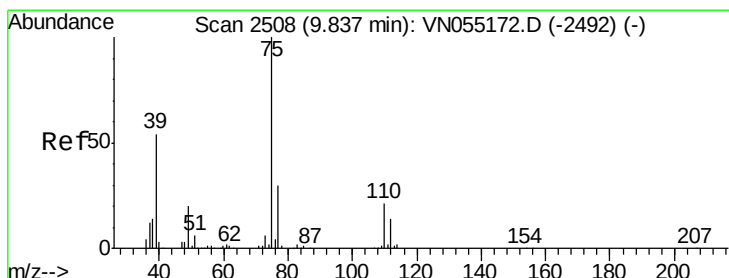
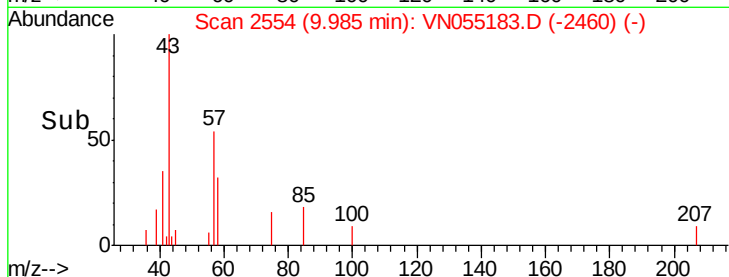
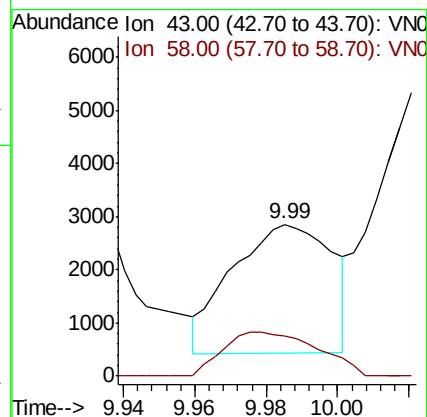
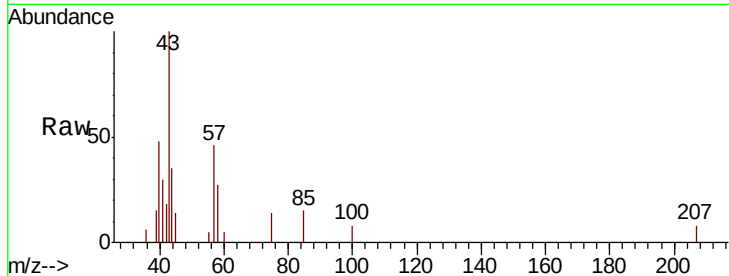
SOIL-PILE-A

Tot Ion: 43 Resp: 4724

Ion Ratio Lower Upper

43 100

58 32.3 28.3 42.5



#54

cis-1,3-Dichloropropene

Concen: 7.846 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

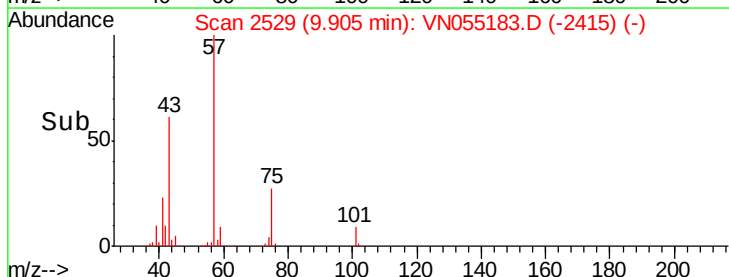
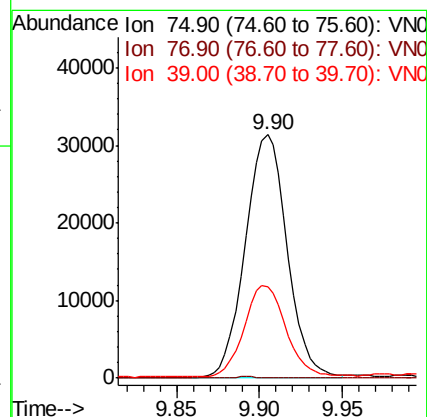
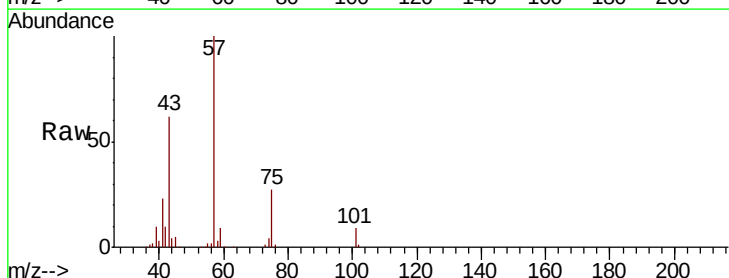
Tgt Ion: 75 Resp: 55296

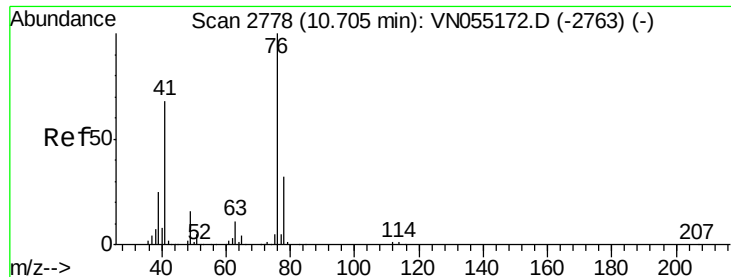
Ion Ratio Lower Upper

75 100

77 0.0 24.3 36.5#

39 36.8 43.0 64.4#





#57

1,3-Dichloropropane

Concen: 1.440 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

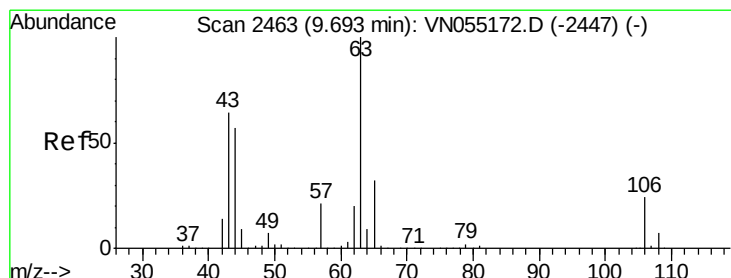
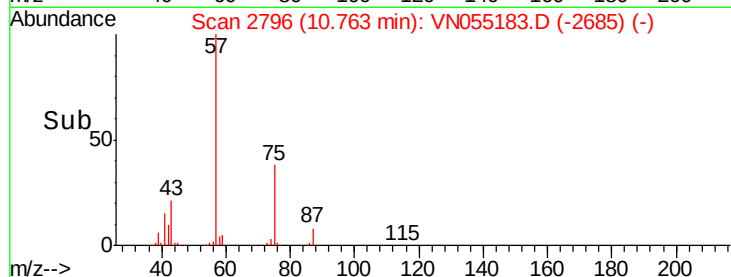
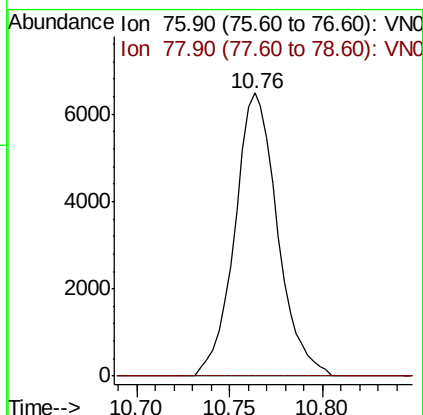
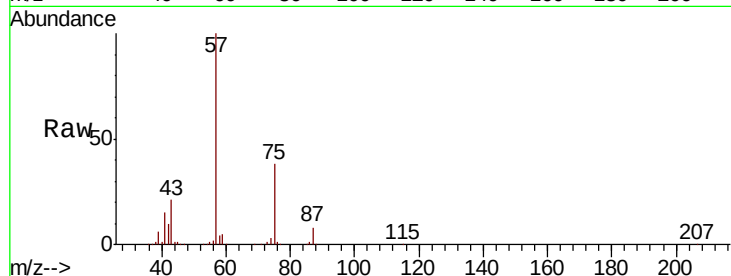
SOIL-PILE-A

Tot Ion: 76 Resp: 10360

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



#58

2-Chloroethyl Vinyl ether

Concen: 11.333 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.21 min

Lab File: VN055183.D

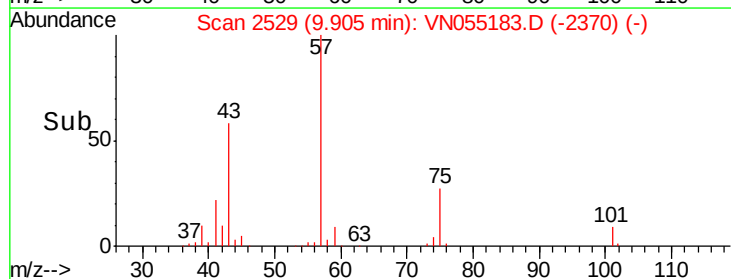
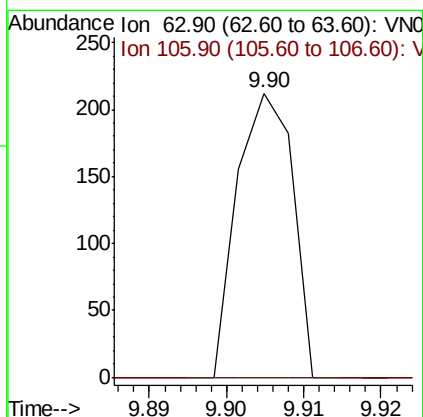
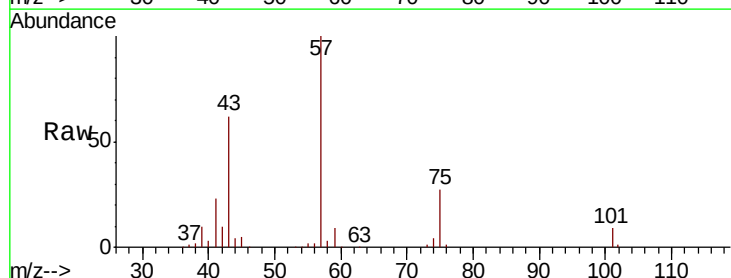
Acq: 22 Apr 2019 16:02

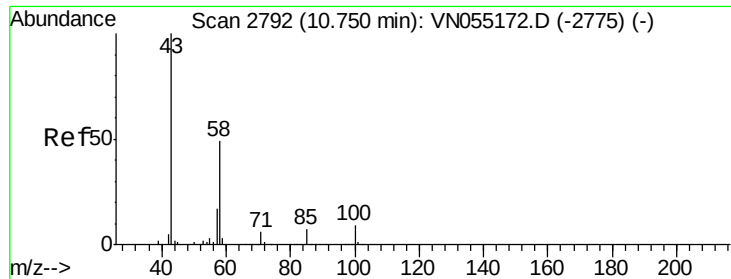
Tgt Ion: 63 Resp: 106

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.0#

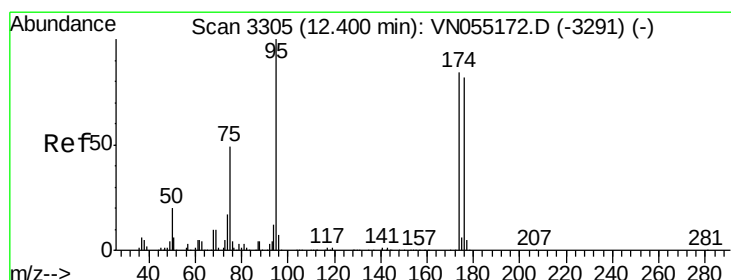
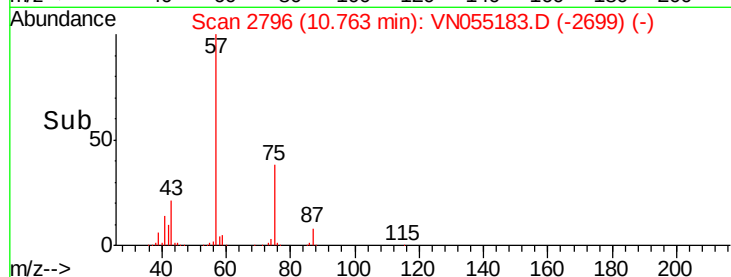
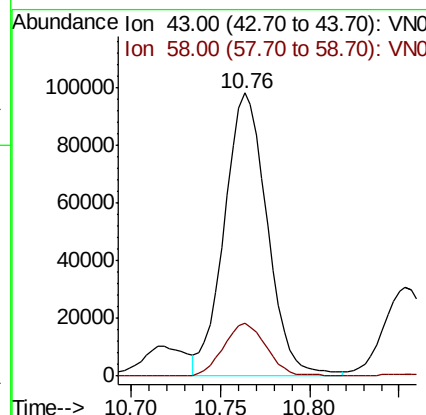
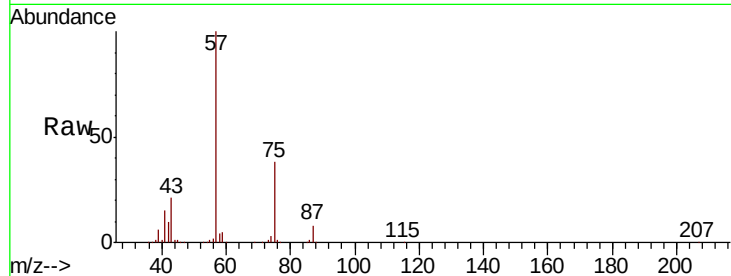




#59
2-Hexanone
Concen: 55.286 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN055183.D
Acq: 22 Apr 2019 16:02

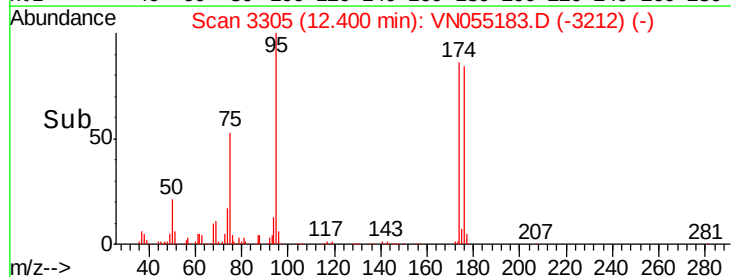
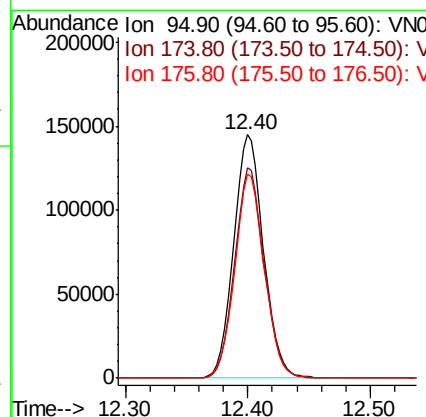
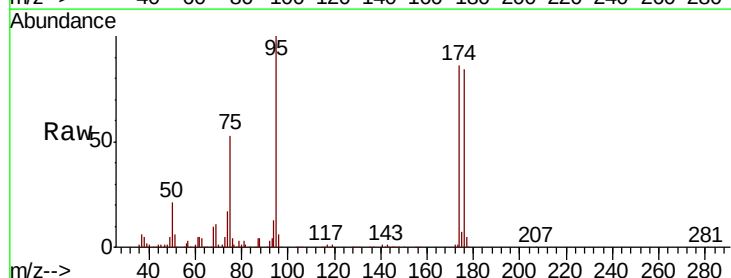
Instrument :
MSVOA_N
ClientSampled :
SOIL-PILE-A

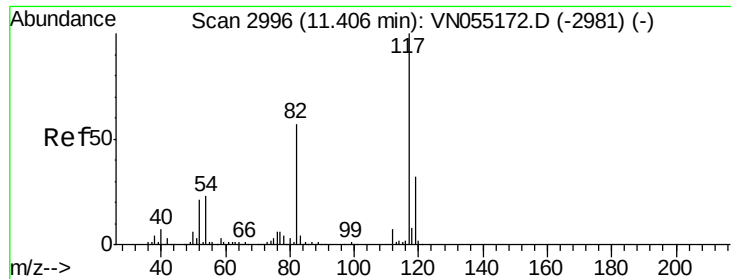
Tot Ion: 43 Resp: 162740
Ion Ratio Lower Upper
43 100
58 18.9 24.5 73.5#



#62
4-Bromofluorobenzene
Concen: 46.366 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055183.D
Acq: 22 Apr 2019 16:02

Tgt Ion: 95 Resp: 246759
Ion Ratio Lower Upper
95 100
174 85.6 0.0 168.4
176 82.8 0.0 164.0

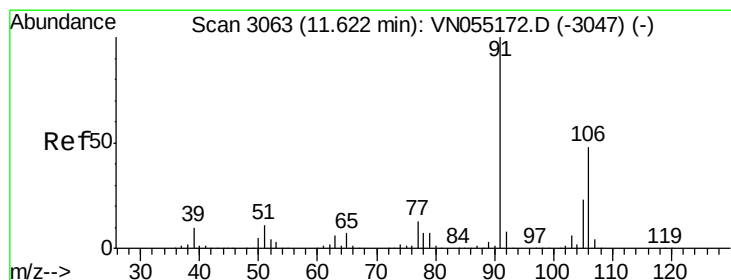
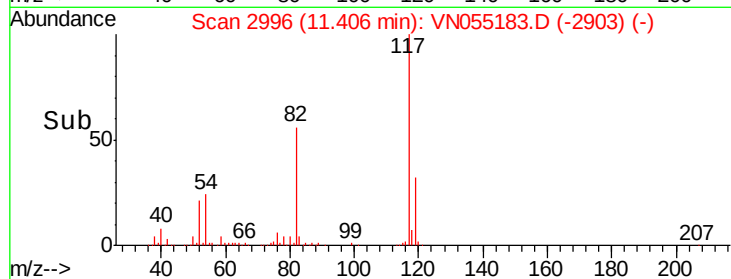
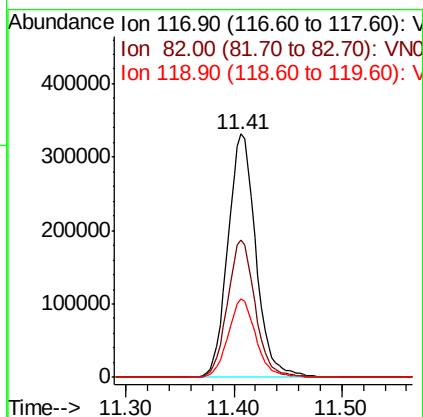
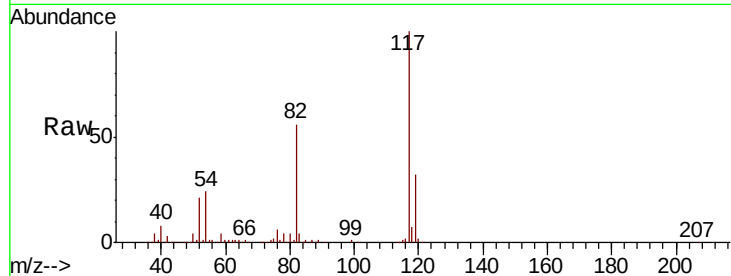




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055183.D
Acq: 22 Apr 2019 16:02

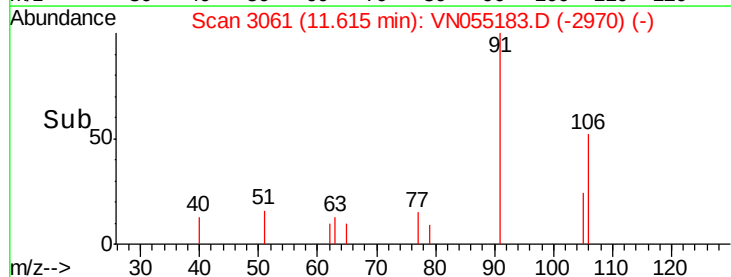
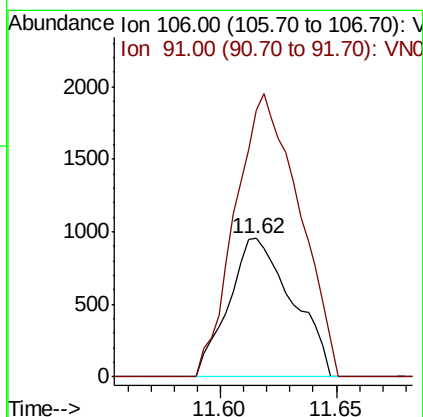
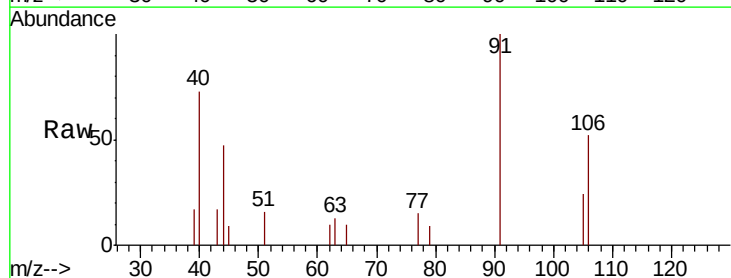
Instrument :
MSVOA_N
ClientSampleId :
SOIL-PILE-A

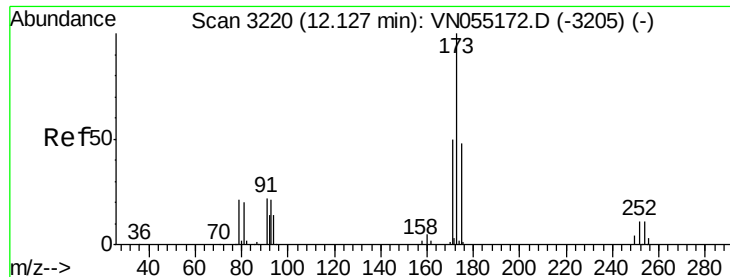
Tot Ion:117 Resp: 599914
Ion Ratio Lower Upper
117 100
82 56.3 45.7 68.5
119 32.0 25.4 38.2



#68
m/p-Xylenes
Concen: 0.232 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN055183.D
Acq: 22 Apr 2019 16:02

Tgt Ion:106 Resp: 1816
Ion Ratio Lower Upper
106 100
91 206.0 167.1 250.7





#71

Bromoform

Concen: 0.586 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

SOIL-PILE-A

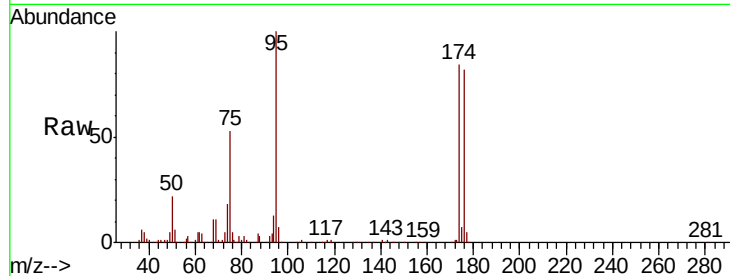
Tot Ion:173 Resp: 1586

Ion Ratio Lower Upper

173 100

175 933.4 23.8 71.2#

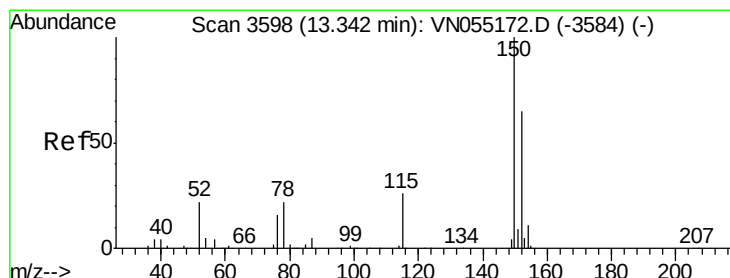
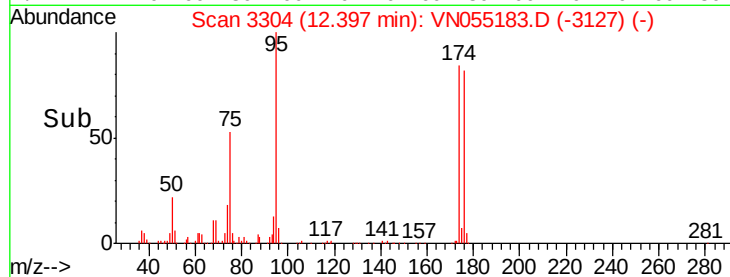
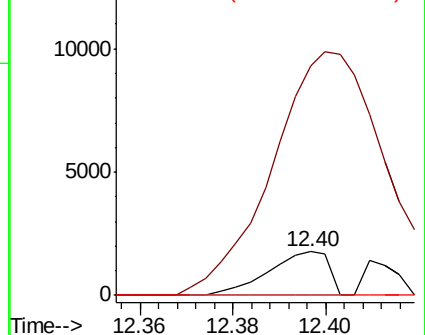
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

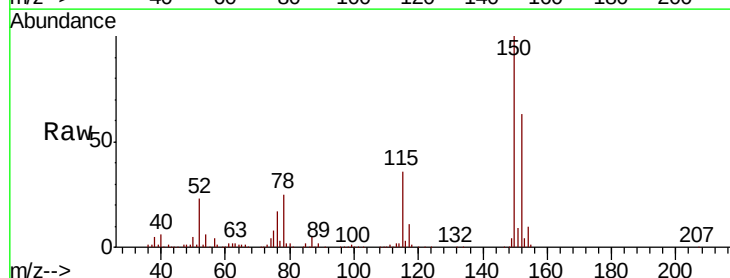
Tgt Ion:152 Resp: 177070

Ion Ratio Lower Upper

152 100

115 56.5 28.9 86.7

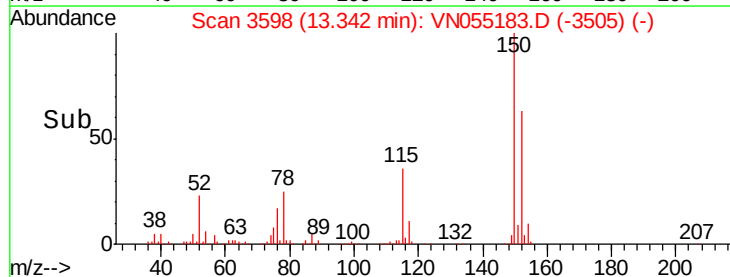
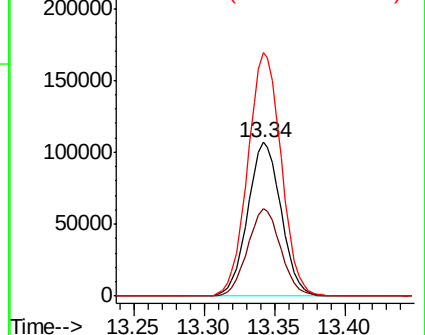
150 158.9 0.0 346.6

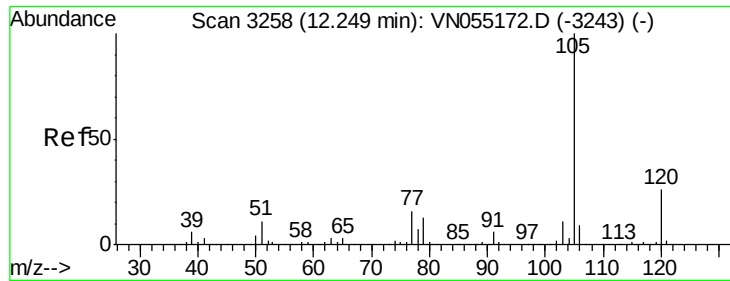


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3255

Delta R.T. -0.01 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

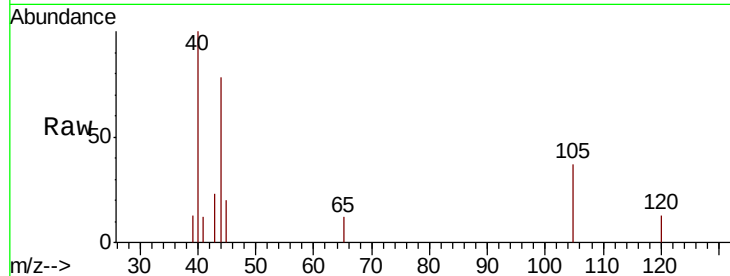
SOIL-PILE-A

Tot Ion:105 Resp: 430

Ion Ratio Lower Upper

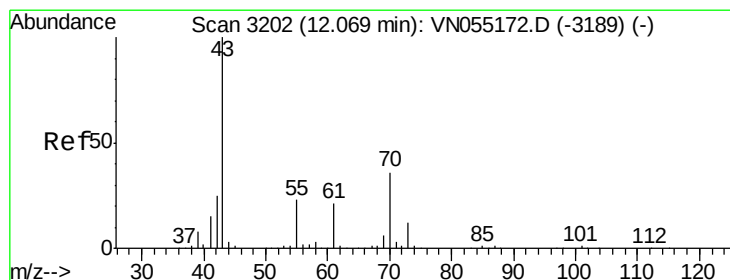
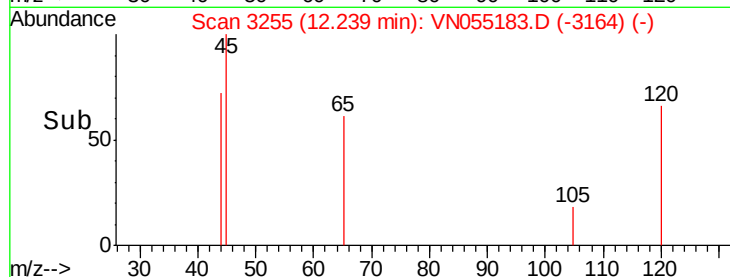
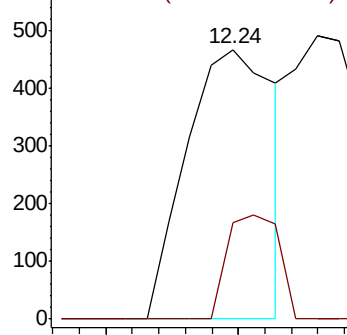
105 100

120 23.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.835 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Tgt Ion: 43 Resp: 12944

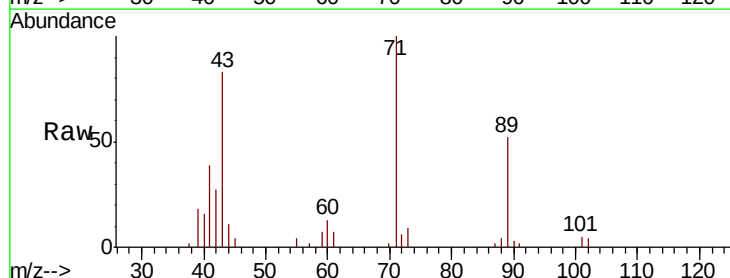
Ion Ratio Lower Upper

43 100

70 1.6 29.0 43.6#

55 4.0 18.5 27.7#

61 10.0 17.0 25.4#

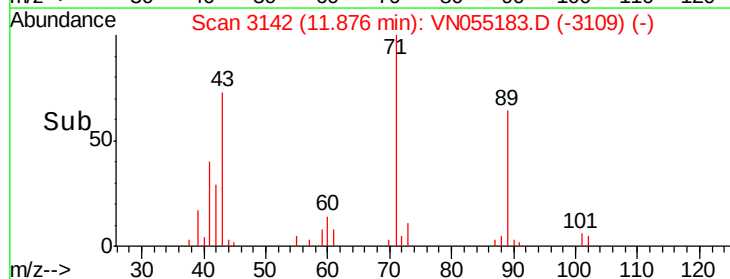
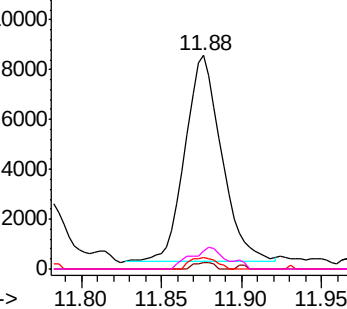


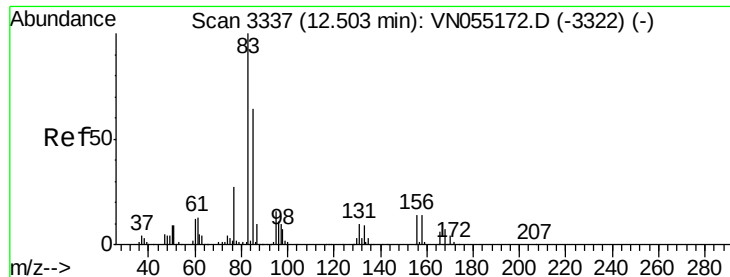
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.42 min Scan# 3312

Delta R.T. -0.08 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

SOIL-PILE-A

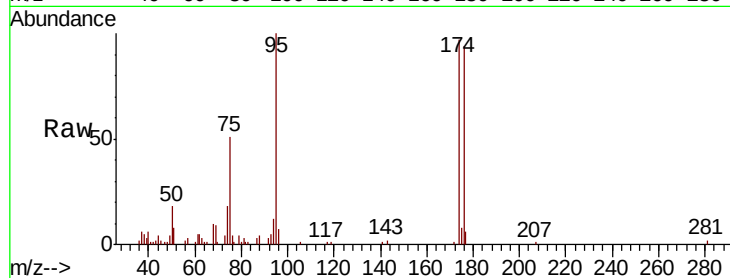
Tot Ion: 83 Resp: 65

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

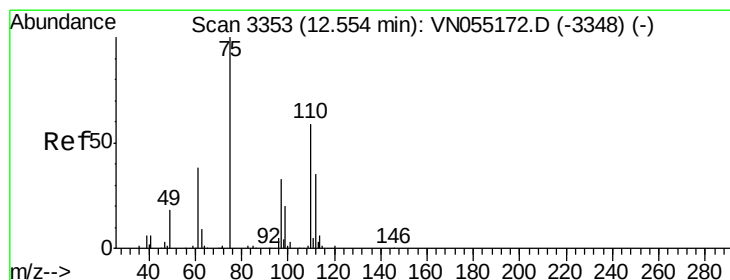
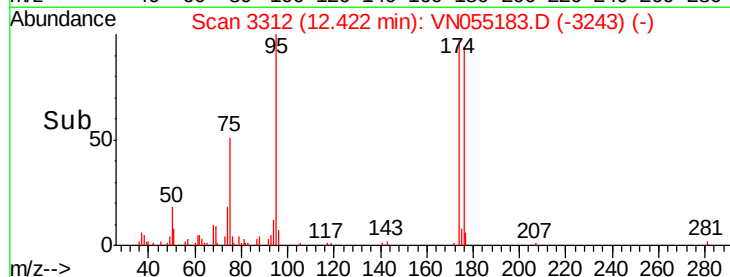
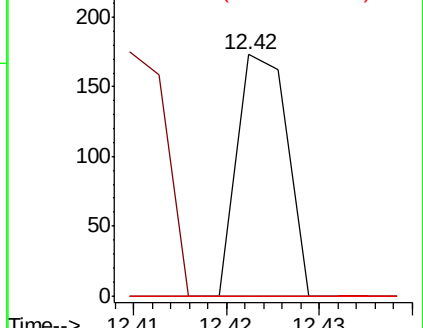
85 0.0 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.795 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055183.D

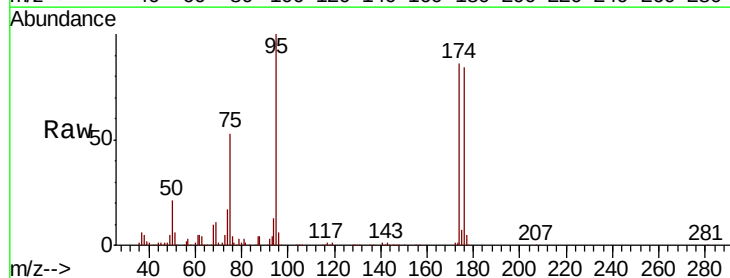
Acq: 22 Apr 2019 16:02

Tgt Ion: 75 Resp: 128587

Ion Ratio Lower Upper

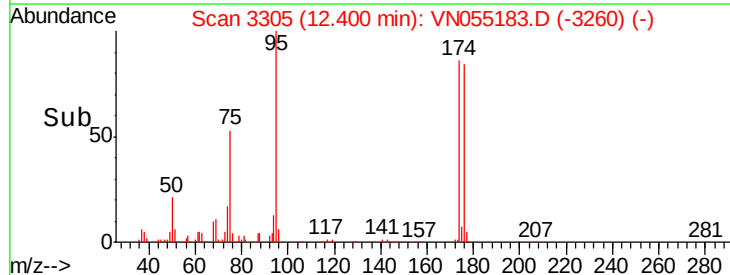
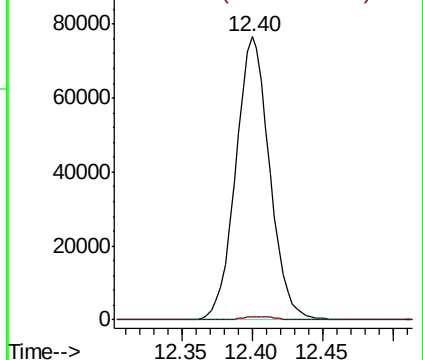
75 100

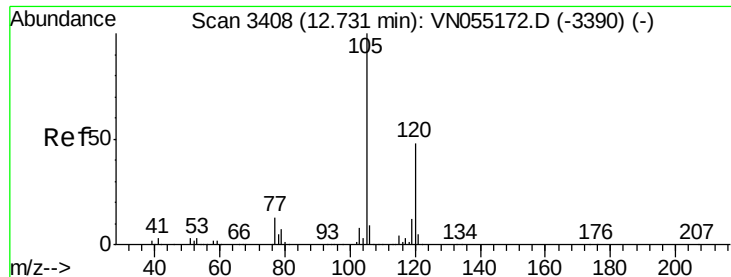
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.508 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

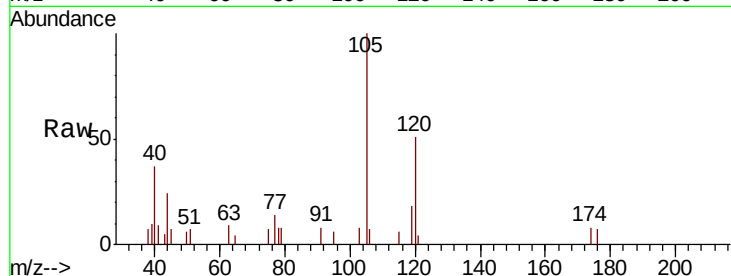
SOIL-PILE-A

Tot Ion:105 Resp: 6740

Ion Ratio Lower Upper

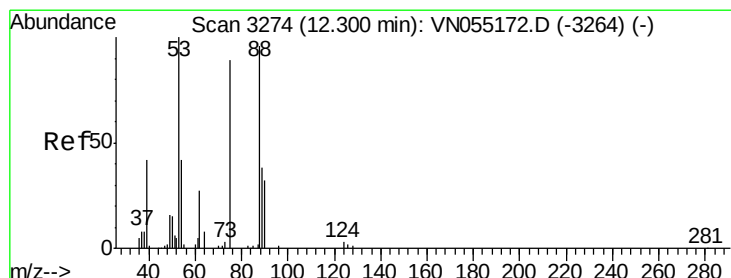
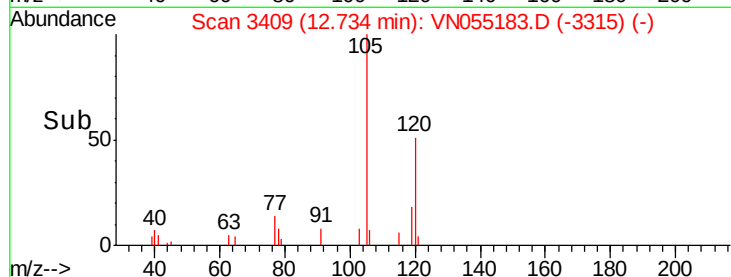
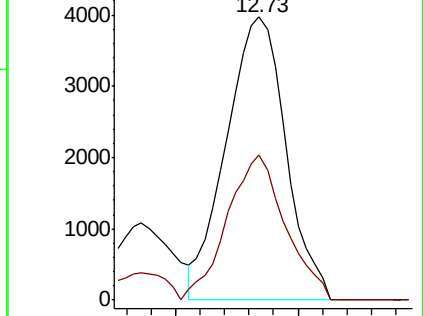
105 100

120 50.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 135.694 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

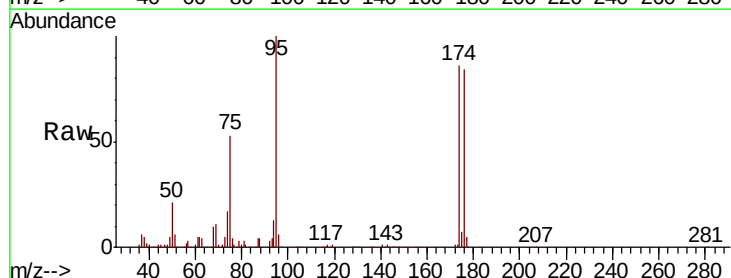
Tgt Ion: 75 Resp: 128587

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

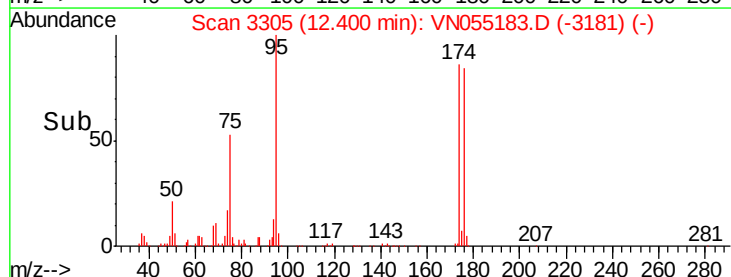
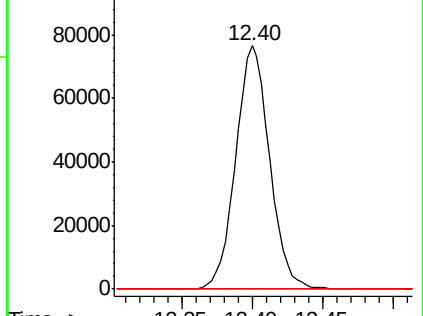
89 0.0 36.7 55.1#

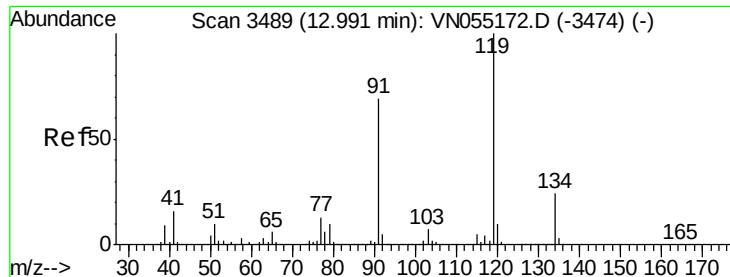


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

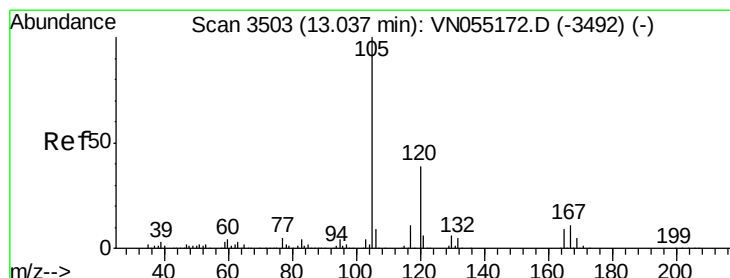
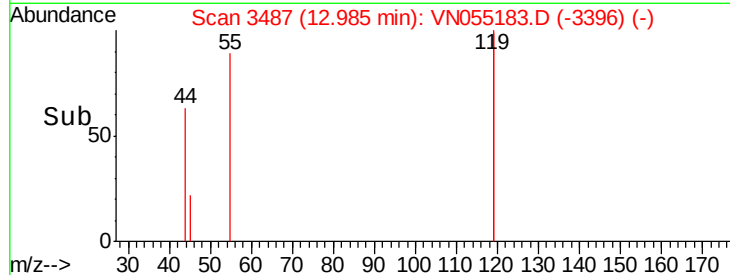
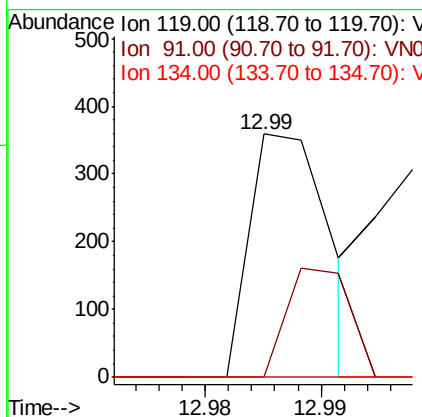
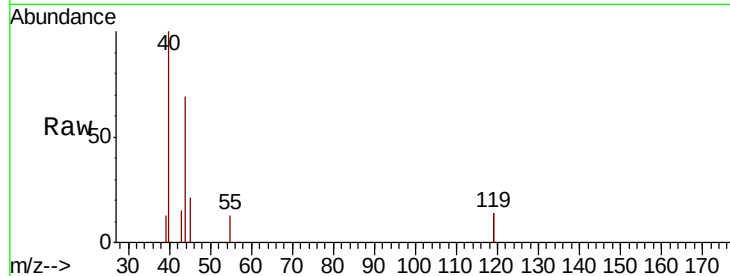




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3487
 Delta R.T. -0.01 min
 Lab File: VN055183.D
 Acq: 22 Apr 2019 16:02

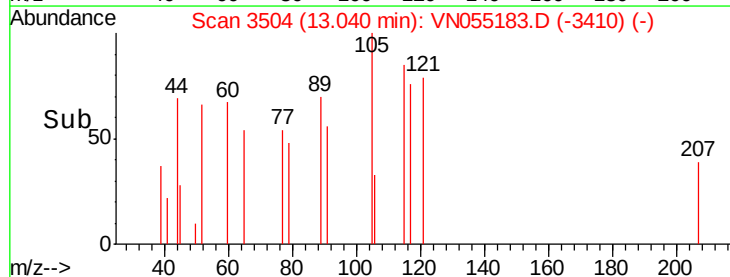
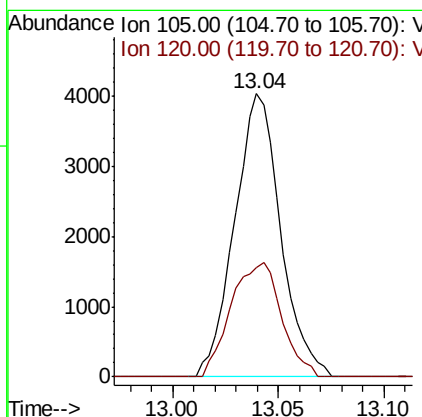
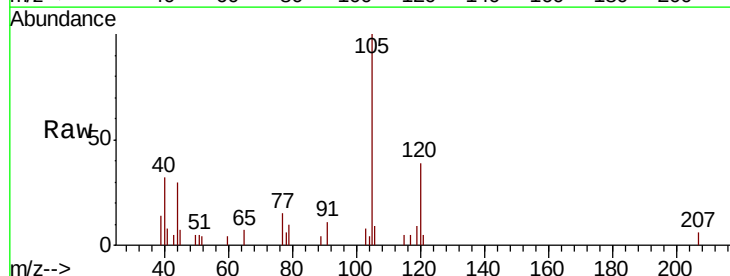
Instrument :
 MSVOA_N
 ClientSampleId :
 SOIL-PILE-A

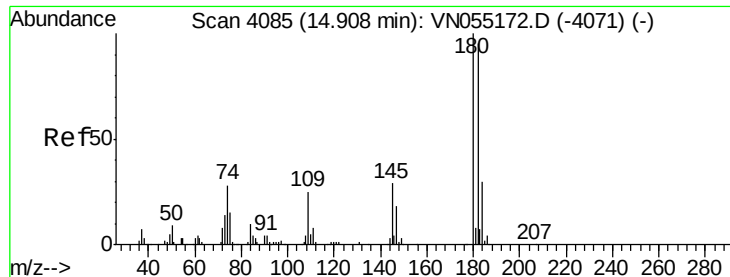
Tot Ion:119 Resp: 171
 Ion Ratio Lower Upper
 119 100
 91 35.7 33.8 101.3
 134 0.0 13.2 39.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.489 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055183.D
 Acq: 22 Apr 2019 16:02

Tgt Ion:105 Resp: 6116
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.7 68.1





#93

1,2,4-Trichlorobenzene

Concen: 2.831 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

SOIL-PILE-A

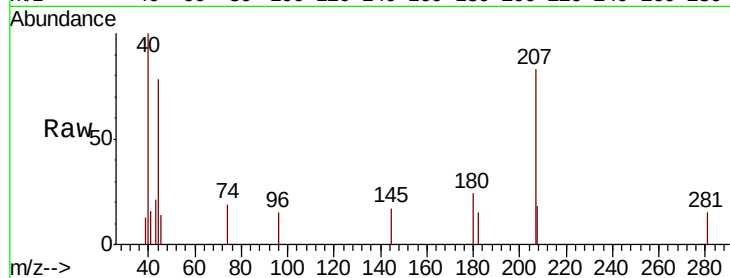
Tot Ion:180 Resp: 256

Ion Ratio Lower Upper

180 100

182 90.2 47.8 143.4

145 74.6 14.5 43.5#



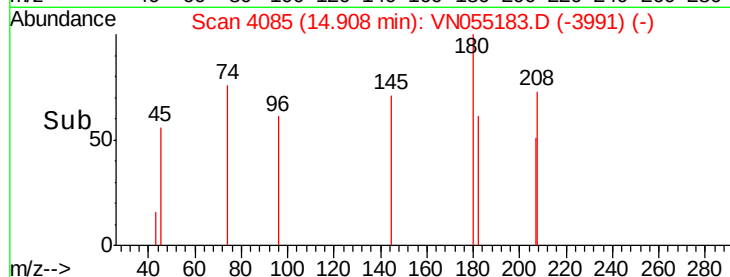
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

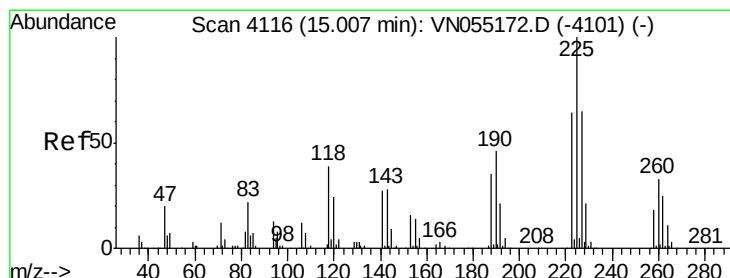
Ion 144.80 (144.50 to 145.50): V

14.91

14.92



Time-->



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4114

Delta R.T. -0.01 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

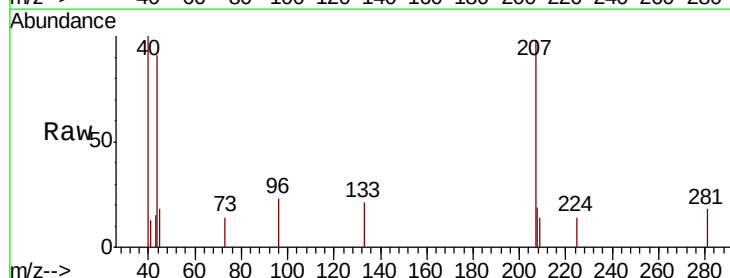
Tgt Ion:225 Resp: 64

Ion Ratio Lower Upper

225 100

223 0.0 32.2 96.6#

227 0.0 32.6 98.0#



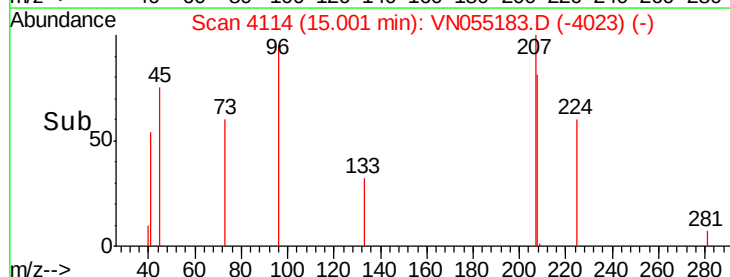
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

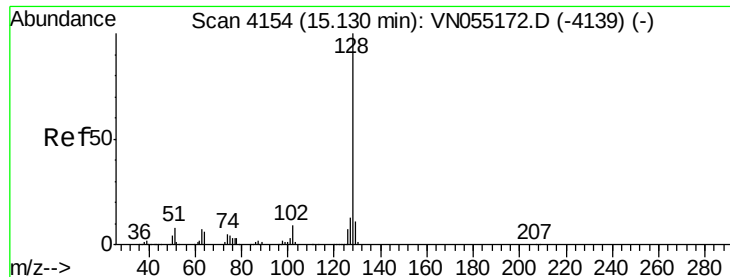
Ion 226.70 (226.40 to 227.40): V

15.00

15.01



Time-->



#95

Naphthalene

Concen: 4.356 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

Instrument :

MSVOA_N

ClientSampled :

SOIL-PILE-A

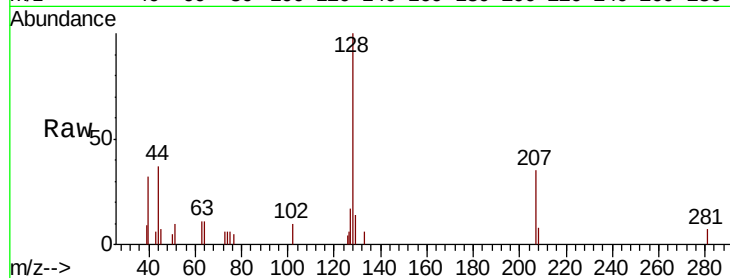
Tot Ion:128 Resp: 5895

Ion Ratio Lower Upper

128 100

127 16.6 10.3 15.5#

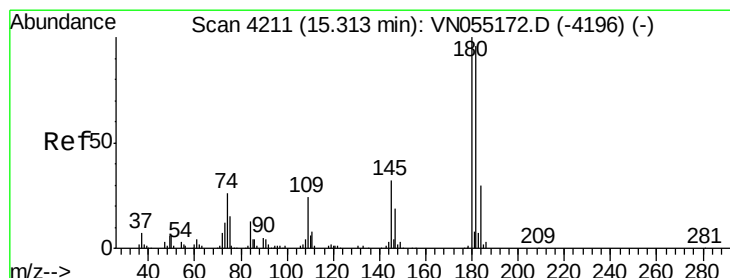
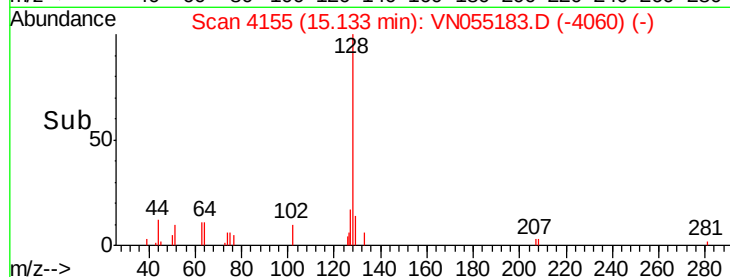
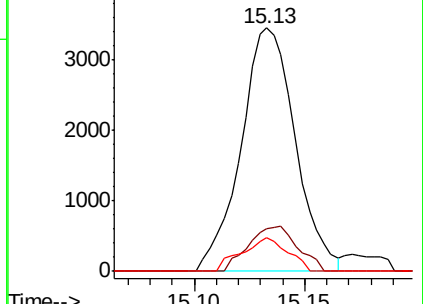
129 11.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.255 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN055183.D

Acq: 22 Apr 2019 16:02

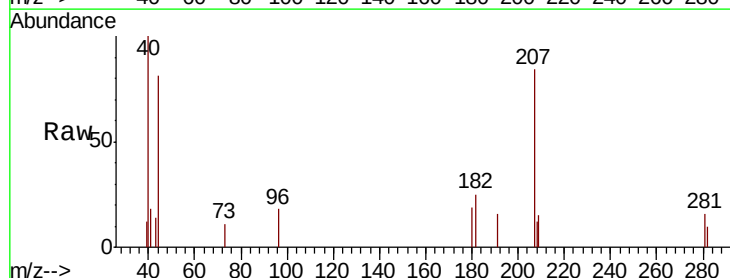
Tgt Ion:180 Resp: 355

Ion Ratio Lower Upper

180 100

182 114.4 47.2 141.6

145 0.0 15.4 46.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

