

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042319\
 Data File : VN055207.D
 Acq On : 23 Apr 2019 15:37
 Operator : JC/SP
 Sample : K2518-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MUDDY-SOIL

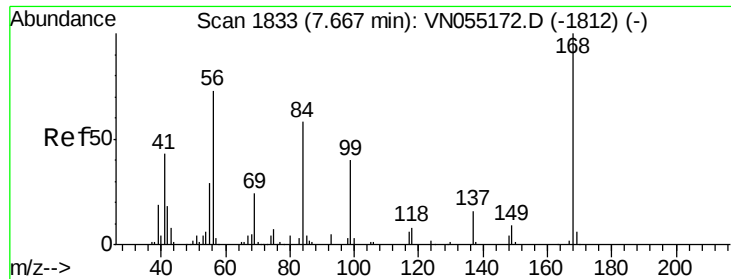
Quant Time: Apr 24 02:51:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	369417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	637879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	569025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168329	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	255349	51.07	ug/l	0.00
Spiked Amount						
			Recovery	=	102.14%	
35) Dibromofluoromethane	7.59	113	204948	47.29	ug/l	0.00
Spiked Amount						
			Recovery	=	94.58%	
50) Toluene-d8	10.09	98	782956	48.76	ug/l	0.00
Spiked Amount						
			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.40	95	240254	47.25	ug/l	0.00
Spiked Amount						
			Recovery	=	94.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	597	2.045	ug/l #	71
13) Acrolein	3.61	56	144	9.825	ug/l	100
14) Allyl chloride	4.55	41	30492	4.058	ug/l #	26
16) Acetone	3.82	43	26668	16.134	ug/l	95
17) Carbon Disulfide	4.05	76	3181	0.299	ug/l #	90
18) Methyl Acetate	4.34	43	6153	0.619	ug/l #	55
20) Methylene Chloride	4.55	84	642211	135.146	ug/l	97
25) 2-Butanone	6.85	43	10838	5.079	ug/l	99
29) Tetrahydrofuran	7.23	42	2105	1.604	ug/l #	58
31) Cyclohexane	7.66	56	7661	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	28483	4.811	ug/l #	45
37) Ethyl Acetate	6.85	43	10838	2.268	ug/l #	72
38) Carbon Tetrachloride	7.67	117	33839	6.104	ug/l #	16
43) Isopropyl Acetate	8.18	43	26308	3.400	ug/l #	73
48) Methyl methacrylate	9.18	41	9647	2.570	ug/l #	15
49) 1,4-Dioxane	9.27	88	154	3.553	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	8294	1.863	ug/l	99
52) Toluene	10.15	92	4774	0.446	ug/l	84
54) cis-1,3-Dichloropropene	9.90	75	58953	8.756	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	9591	1.396	ug/l #	43
59) 2-Hexanone	10.76	43	165309	58.782	ug/l #	56
71) Bromoform	12.39	173	794	0.309	ug/l #	29
73) Isopropylbenzene	12.25	105	347	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.53	83	143	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	123213	36.081	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3658	0.290	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	123213	136.775	ug/l #	5
83) tert-Butylbenzene	13.00	119	266	Below Cal	#	36
84) 1,2,4-Trimethylbenzene	13.04	105	4520	0.380	ug/l	98
94) Hexachlorobutadiene	15.01	225	113	Below Cal	#	18
95) Naphthalene	15.14	128	2067	3.747	ug/l #	75

(#) = 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: VN055207.D

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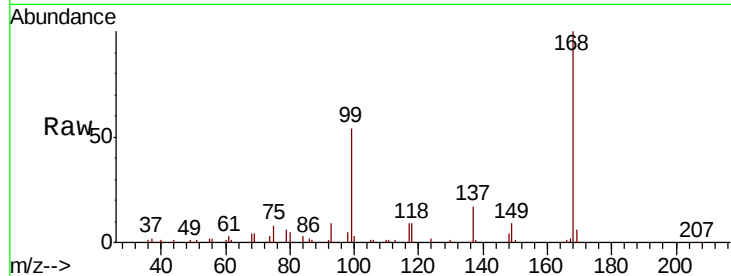
MUDDY-SOIL

Tgt Ion:168 Resp: 369417

Ion Ratio Lower Upper

168 100

99 54.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

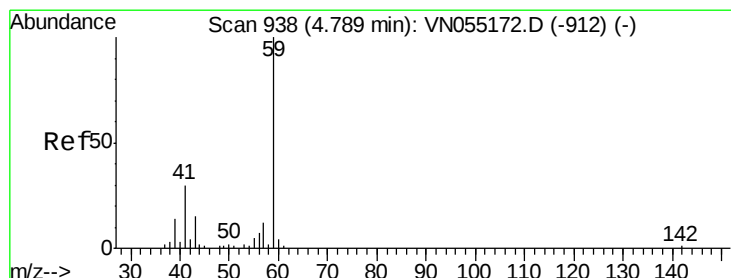
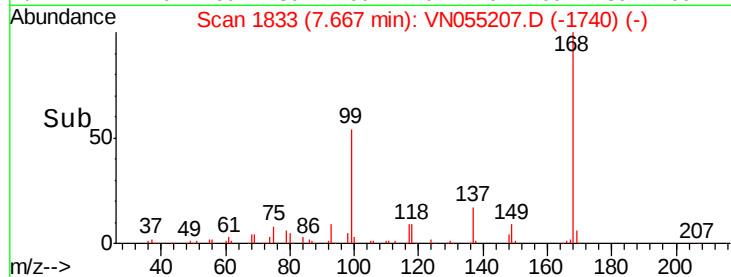
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.045 ug/l

RT: 4.81 min Scan# 943

Delta R.T. 0.02 min

Lab File: VN055207.D

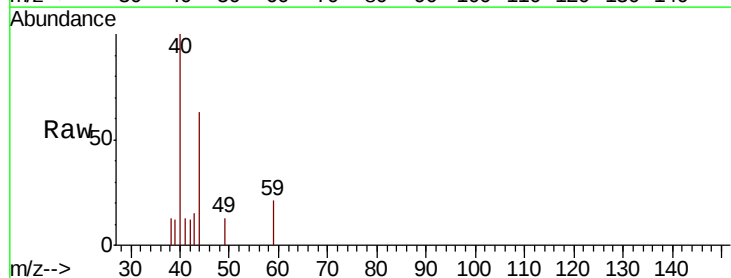
Acq: 23 Apr 2019 15:37

Tgt Ion: 59 Resp: 597

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.81

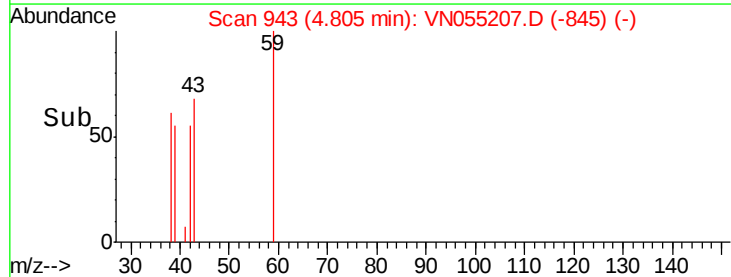
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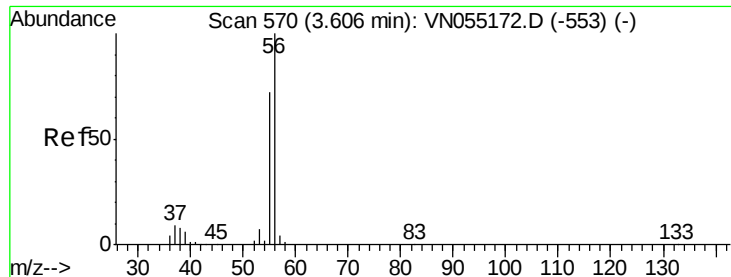
200

100

0

Time-->

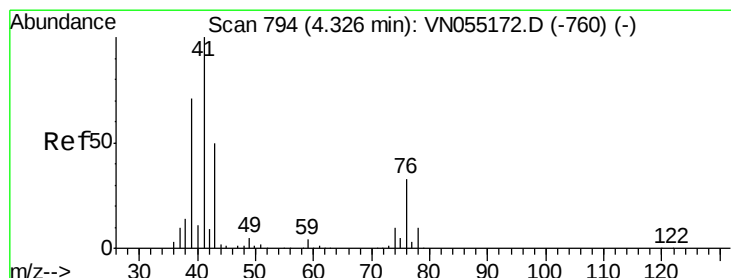
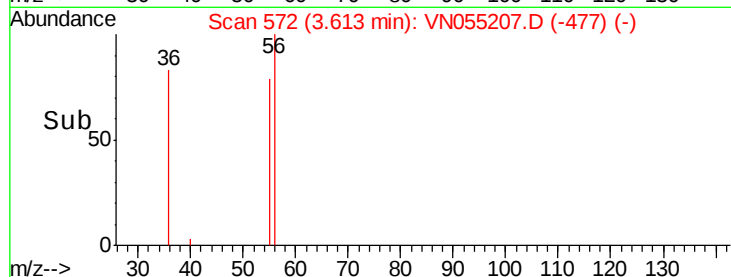
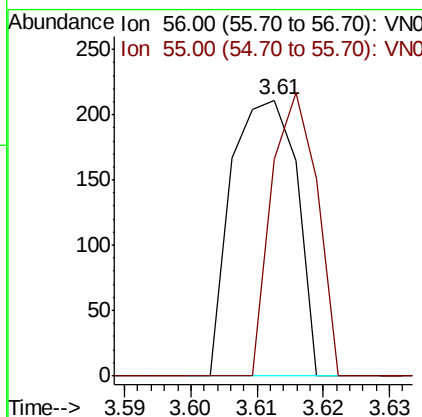
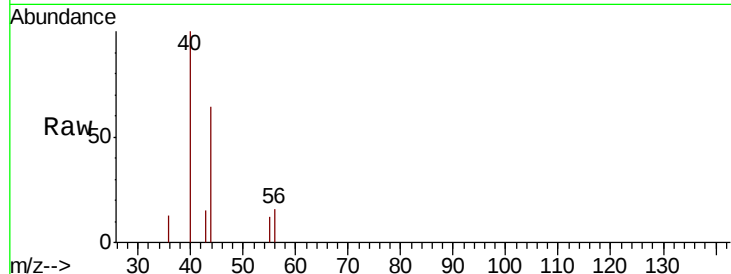




#13
 Acrolein
 Concen: 9.825 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VN055207.D
 Acq: 23 Apr 2019 15:37

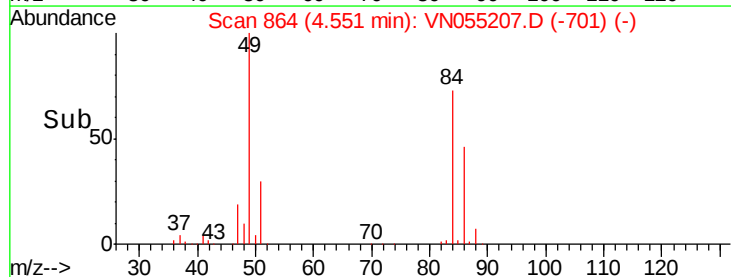
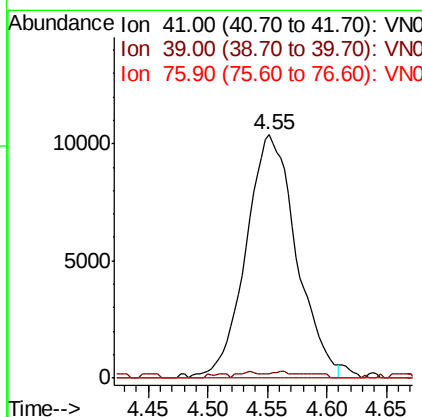
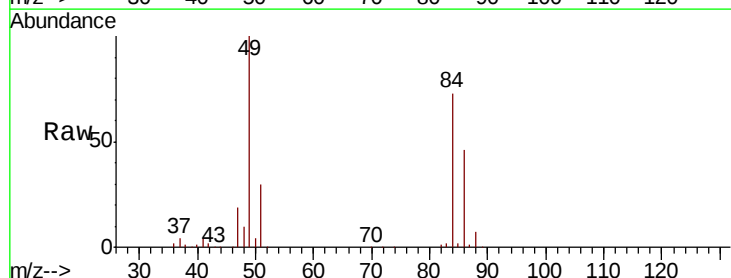
Instrument :
 MSVOA_N
 ClientSampleId :
 MUDDY-SOIL

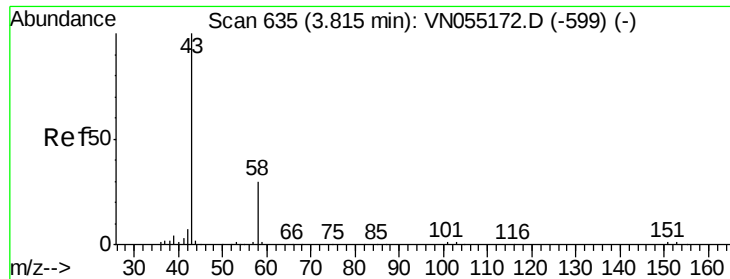
Tgt Ion: 56 Resp: 144
 Ion Ratio Lower Upper
 56 100
 55 71.5 57.4 86.0



#14
 Allyl chloride
 Concen: 4.058 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.23 min
 Lab File: VN055207.D
 Acq: 23 Apr 2019 15:37

Tgt Ion: 41 Resp: 30492
 Ion Ratio Lower Upper
 41 100
 39 0.3 52.9 79.3#
 76 0.0 23.6 35.4#





#16

Acetone

Concen: 16.134 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

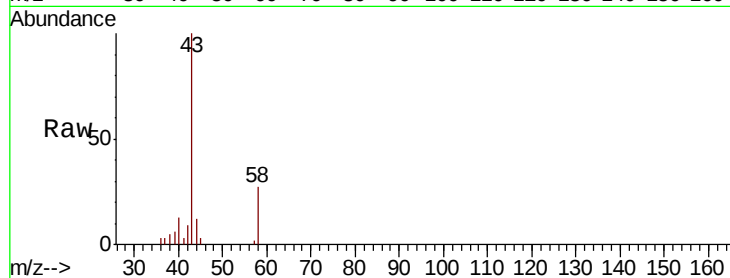
MUDDY-SOIL

Tgt Ion: 43 Resp: 26668

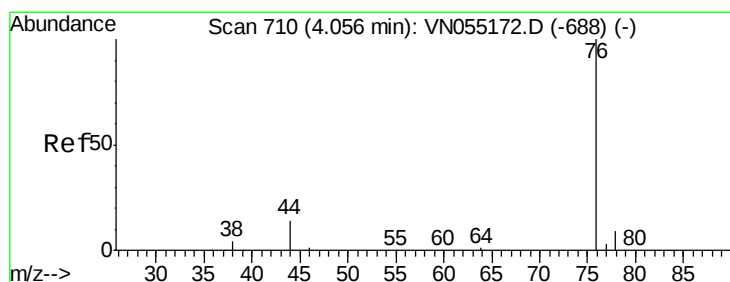
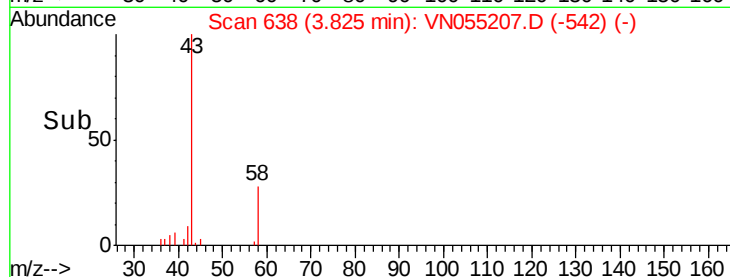
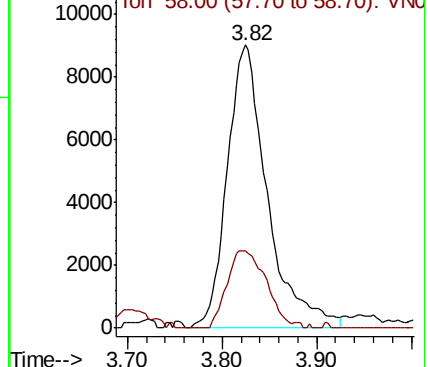
Ion Ratio Lower Upper

43 100

58 27.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-599) (-)



#17

Carbon Disulfide

Concen: 0.299 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VN055207.D

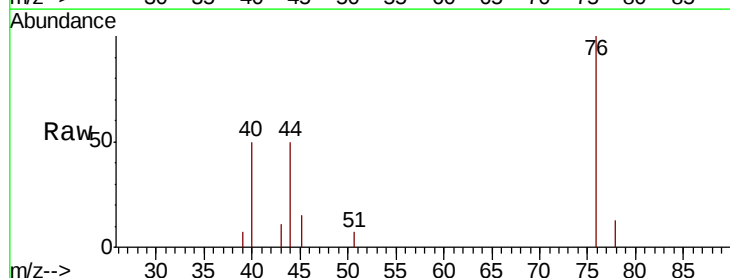
Acq: 23 Apr 2019 15:37

Tgt Ion: 76 Resp: 3181

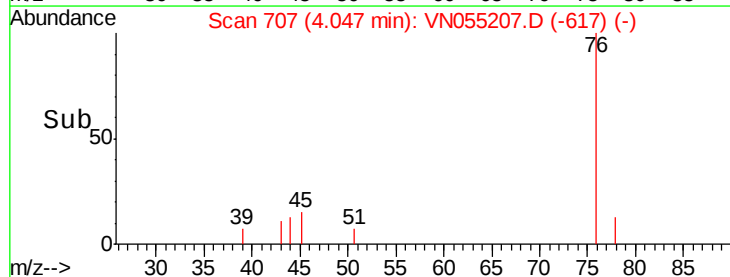
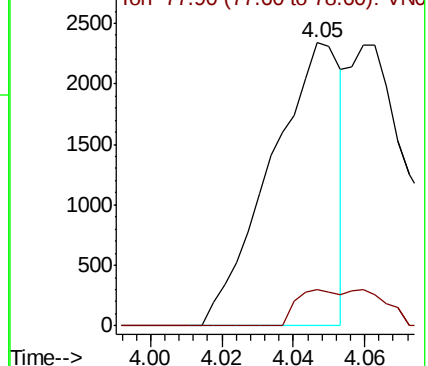
Ion Ratio Lower Upper

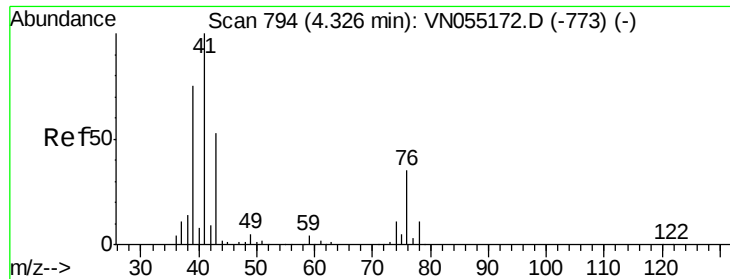
76 100

78 12.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN055172.D (-688) (-)

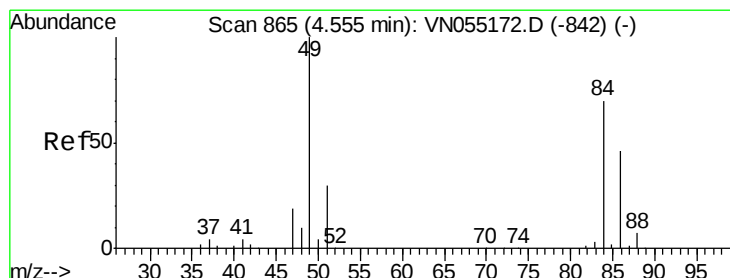
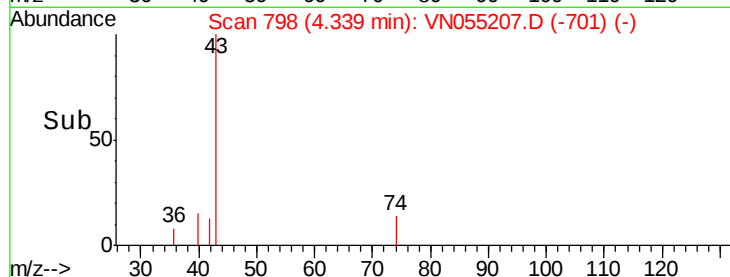
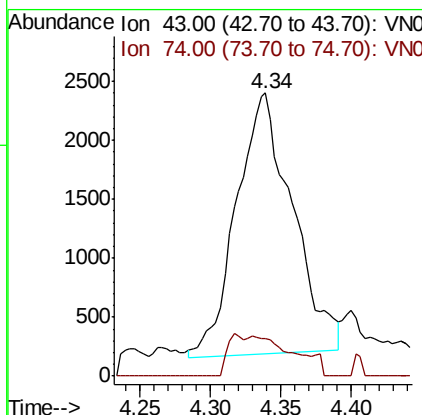
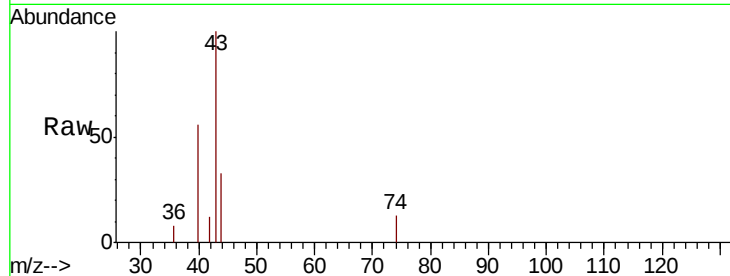




#18
Methyl Acetate
Concen: 0.619 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055207.D
Acq: 23 Apr 2019 15:37

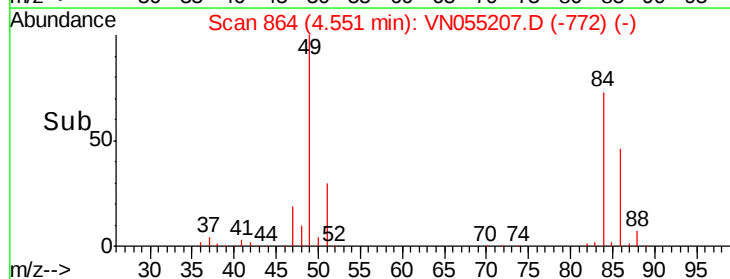
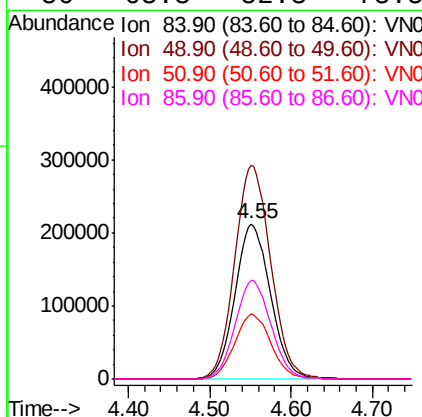
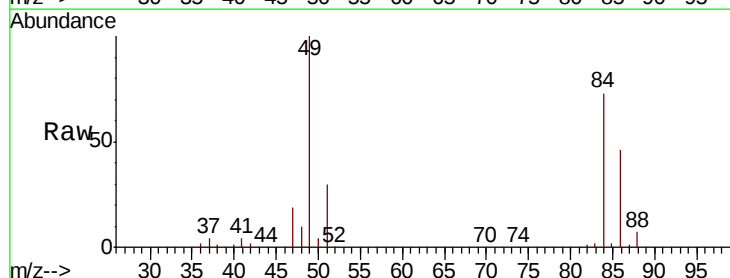
Instrument :
MSVOA_N
ClientSampled :
MUDDY-SOIL

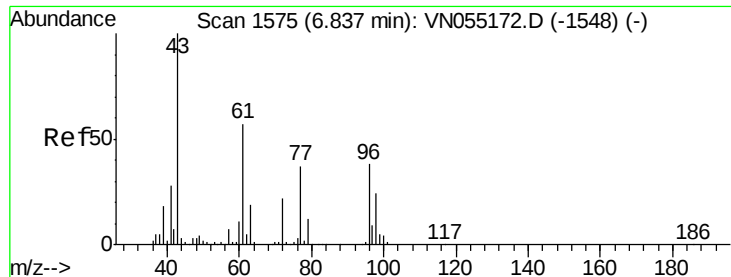
Tgt Ion: 43 Resp: 6153
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 135.146 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055207.D
Acq: 23 Apr 2019 15:37

Tgt Ion: 84 Resp: 642211
Ion Ratio Lower Upper
84 100
49 137.7 113.8 170.6
51 41.7 34.0 51.0
86 63.3 52.3 78.5

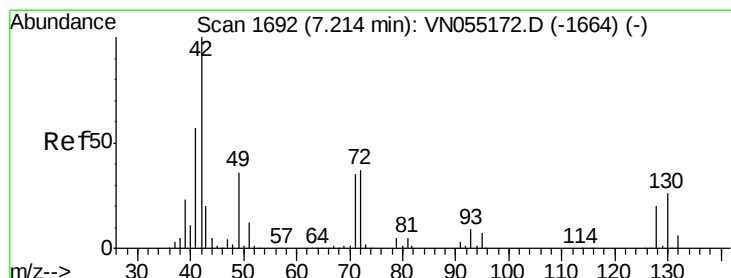
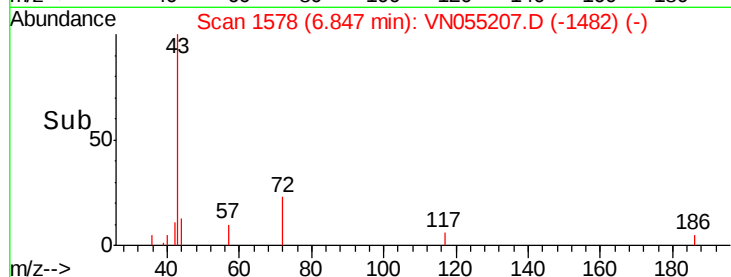
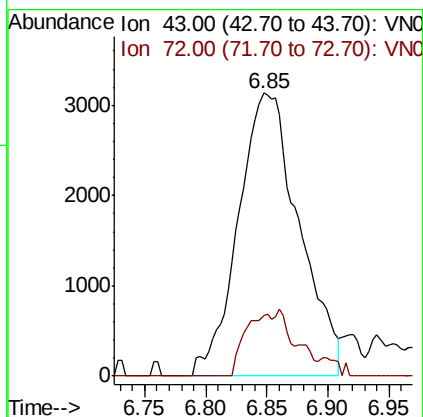
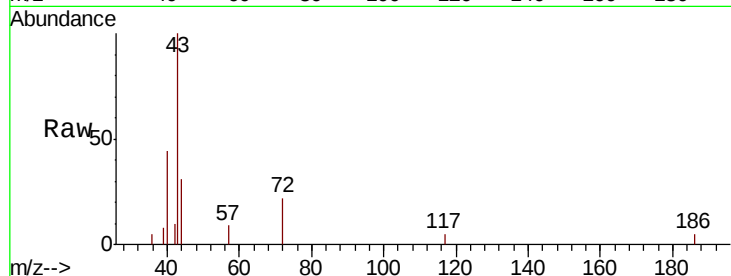




#25
2-Butanone
Concen: 5.079 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN055207.D
Acq: 23 Apr 2019 15:37

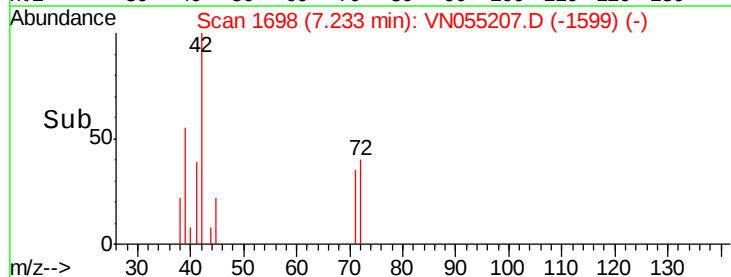
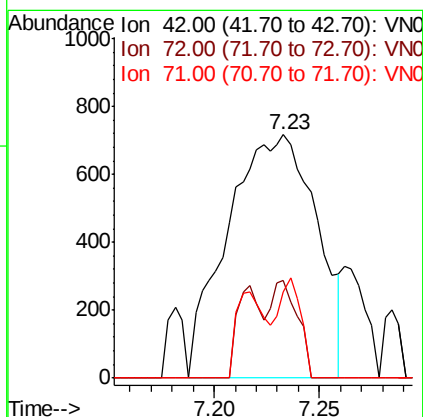
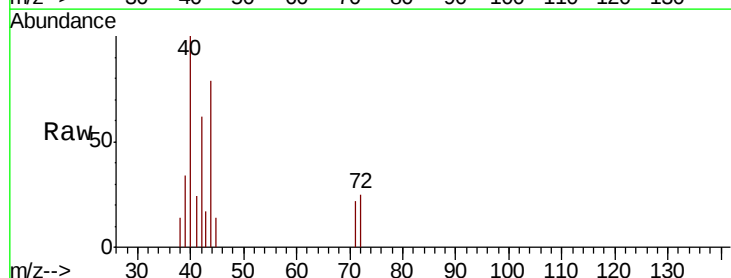
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MSVOA_N
ClientSampled :
MUDDY-SOIL

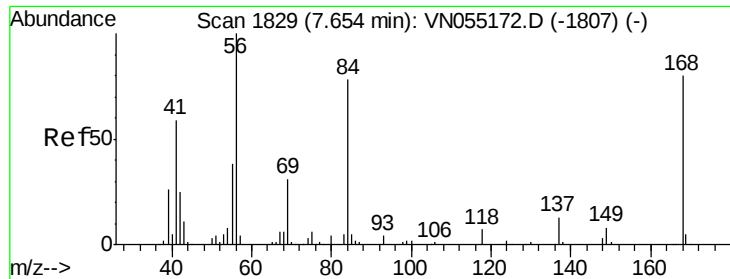
Tgt Ion: 43 Resp: 10838
Ion Ratio Lower Upper
43 100
72 21.6 17.8 26.8



#29
Tetrahydrofuran
Concen: 1.604 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.02 min
Lab File: VN055207.D
Acq: 23 Apr 2019 15:37

Tgt Ion: 42 Resp: 2105
Ion Ratio Lower Upper
42 100
72 12.2 29.4 44.2#
71 10.3 27.8 41.8#

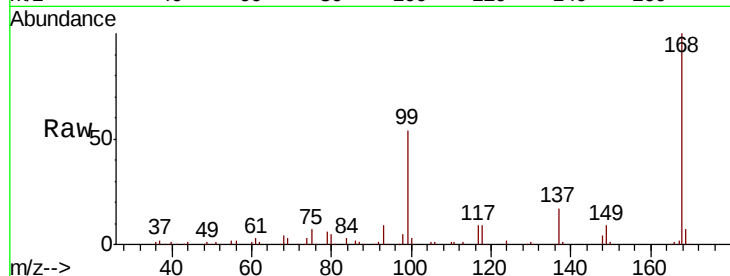




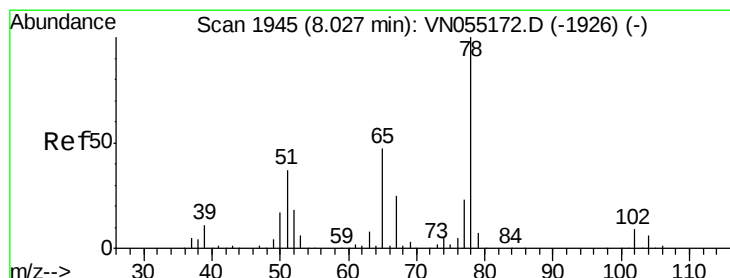
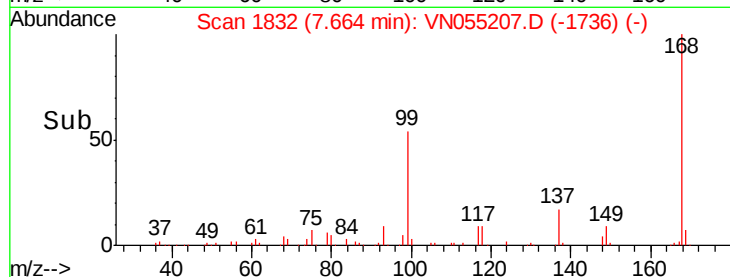
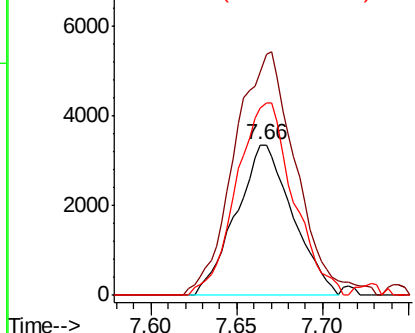
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055207.D
Acq: 23 Apr 2019 15:37

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ClientSampleId :
MUDDY-SOIL

Tgt Ion: 56 Resp: 7661
Ion Ratio Lower Upper
56 100
69 143.7 24.6 37.0#
84 124.9 61.4 92.2#

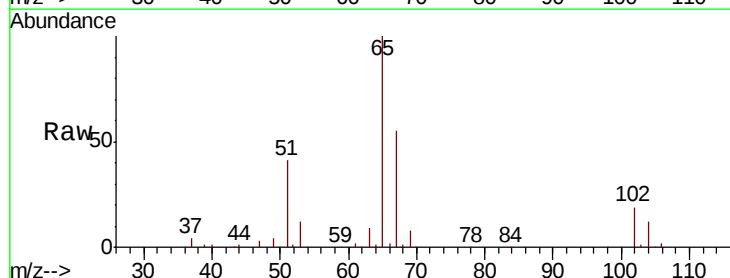


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

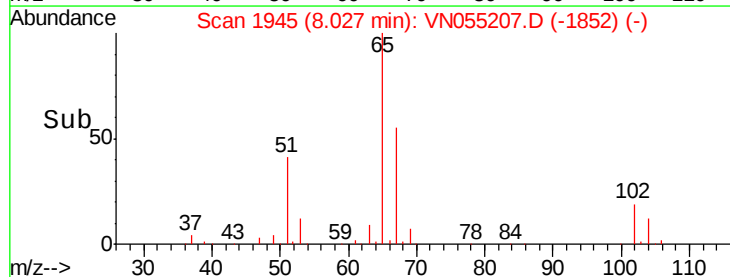
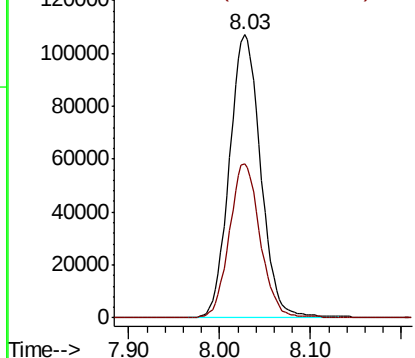


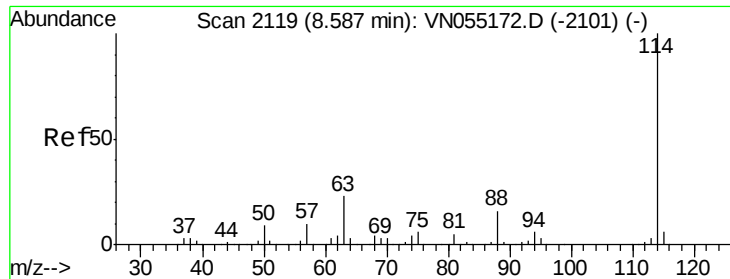
#33
1,2-Dichloroethane-d4
Concen: 51.068 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055207.D
Acq: 23 Apr 2019 15:37

Tgt Ion: 65 Resp: 255349
Ion Ratio Lower Upper
65 100
67 53.9 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: VN055207.D

Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

MUDDY-SOIL

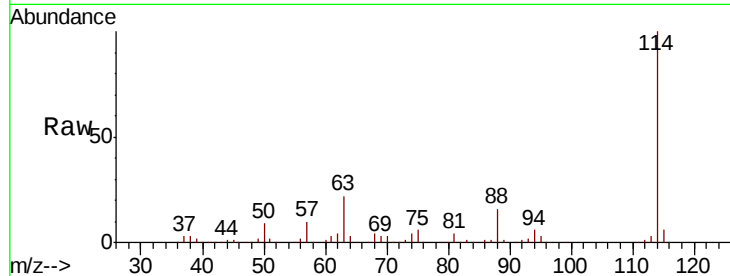
Tgt Ion:114 Resp: 637879

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

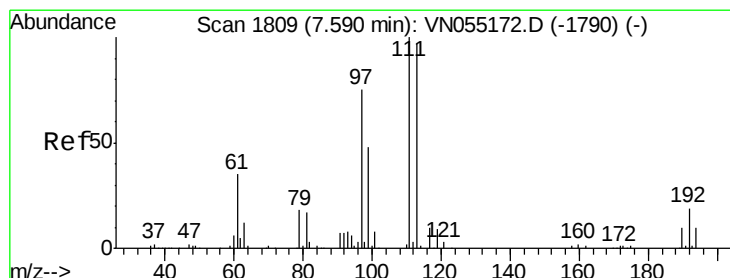
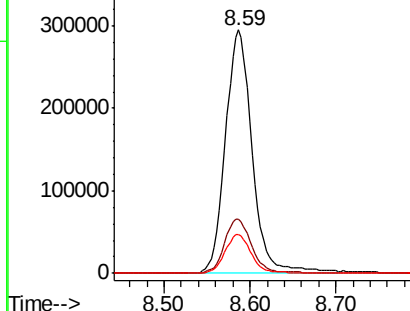
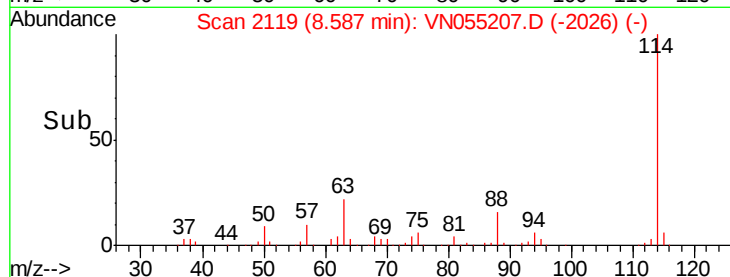
88 16.2 0.0 32.8



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: 47.295 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

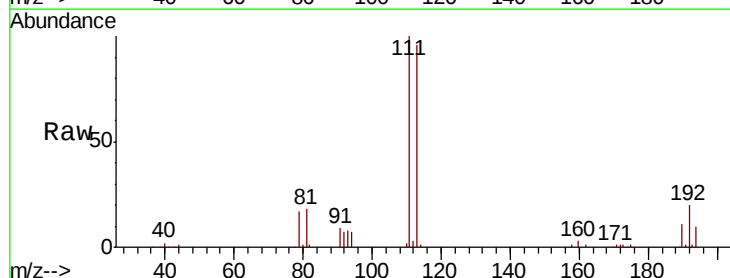
Tgt Ion:113 Resp: 204948

Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.4

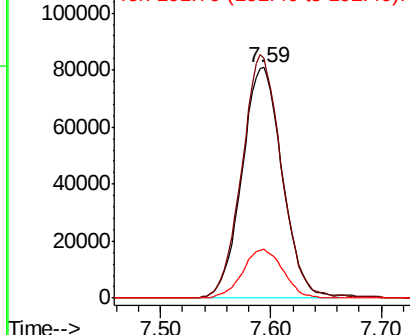
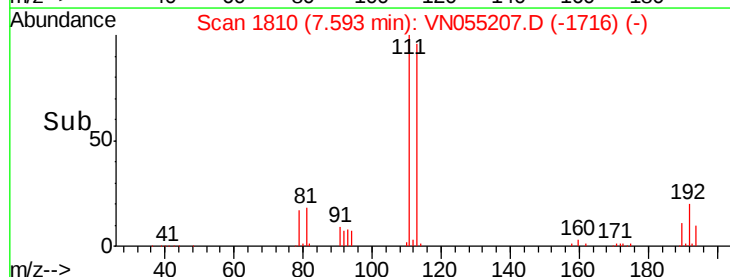
192 21.2 16.2 24.4

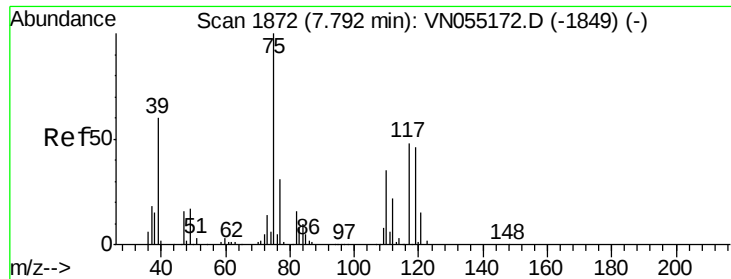


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.811 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

MUDDY-SOIL

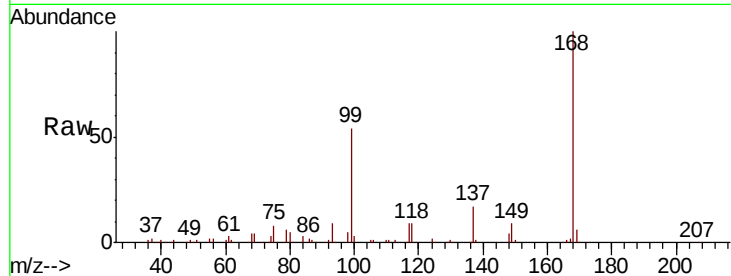
Tgt Ion: 75 Resp: 28483

Ion Ratio Lower Upper

75 100

110 3.6 17.1 51.2#

77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055207.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN055207.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN055207.D (-1779) (-)

7.67

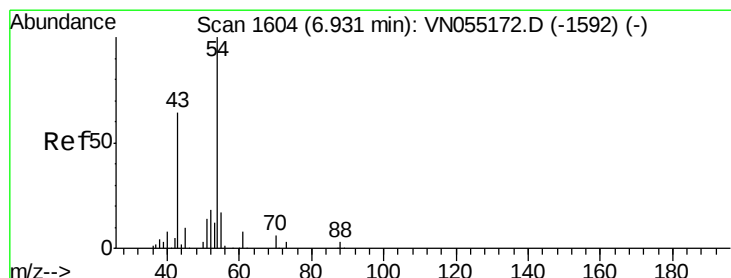
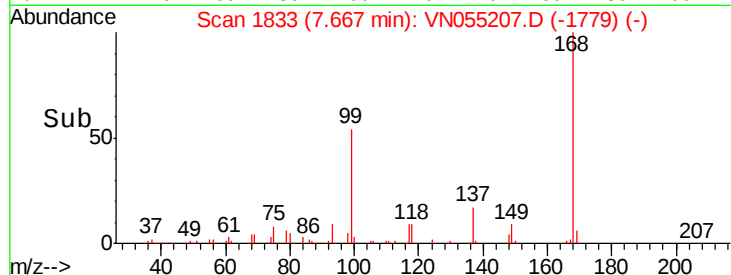
10000

5000

0

7.60 7.65 7.70 7.75

Time-->



#37

Ethyl Acetate

Concen: 2.268 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.08 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

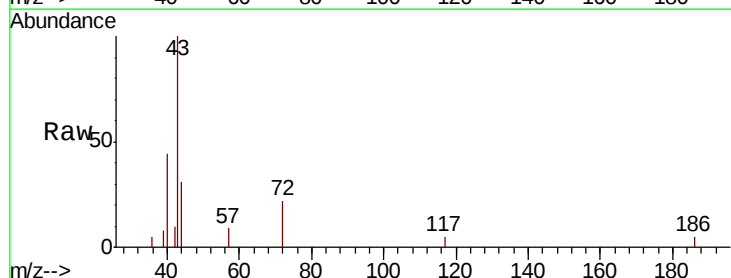
Tgt Ion: 43 Resp: 10838

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VN055207.D (-1511) (-)

Ion 60.90 (60.60 to 61.60): VN055207.D (-1511) (-)

Ion 70.00 (69.70 to 70.70): VN055207.D (-1511) (-)

6.85

4000

3000

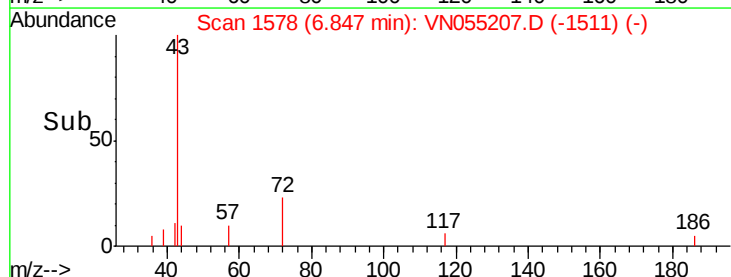
2000

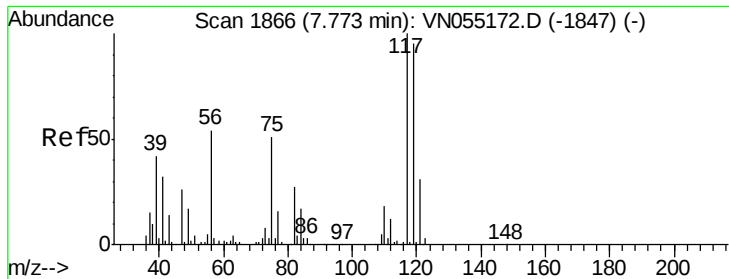
1000

0

6.75 6.80 6.85 6.90 6.95

Time-->

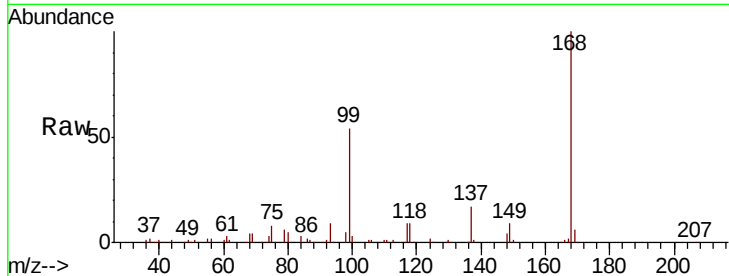




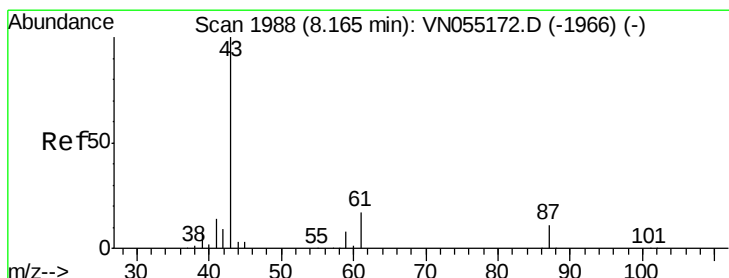
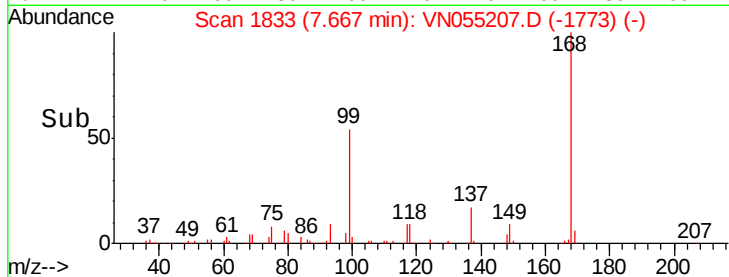
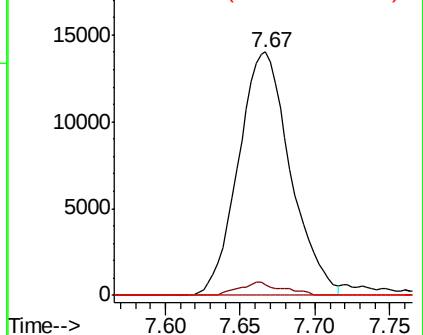
#38
Carbon Tetrachloride
Concen: 6.104 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055207.D
Acq: 23 Apr 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
MUDDY-SOIL

Tgt Ion:117 Resp: 33839
Ion Ratio Lower Upper
117 100
119 4.3 76.0 114.0#
121 0.0 24.6 36.8#

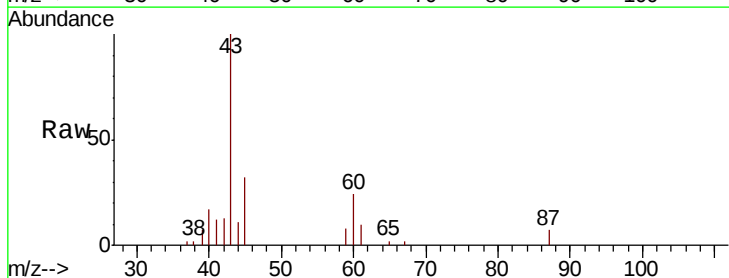


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

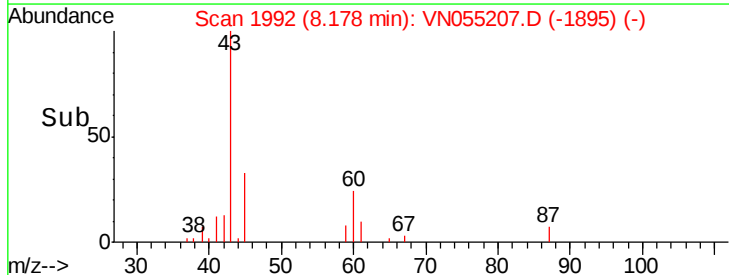
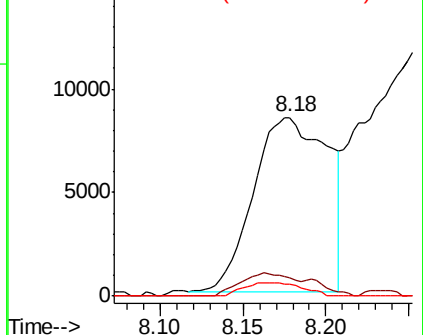


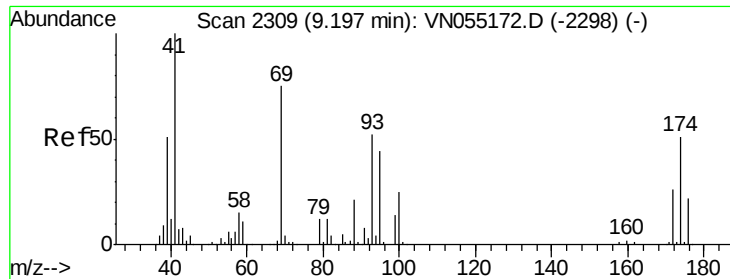
#43
Isopropyl Acetate
Concen: 3.400 ug/l
RT: 8.18 min Scan# 1992
Delta R.T. 0.01 min
Lab File: VN055207.D
Acq: 23 Apr 2019 15:37

Tgt Ion: 43 Resp: 26308
Ion Ratio Lower Upper
43 100
61 9.3 20.6 30.8#
87 5.9 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

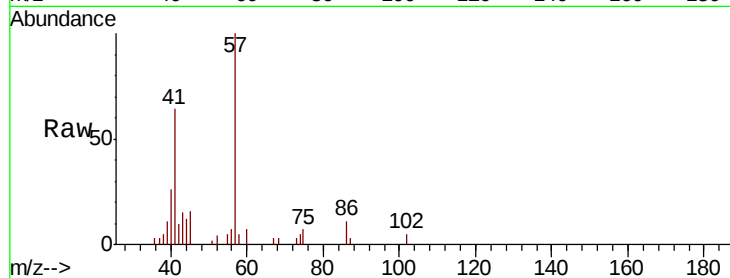




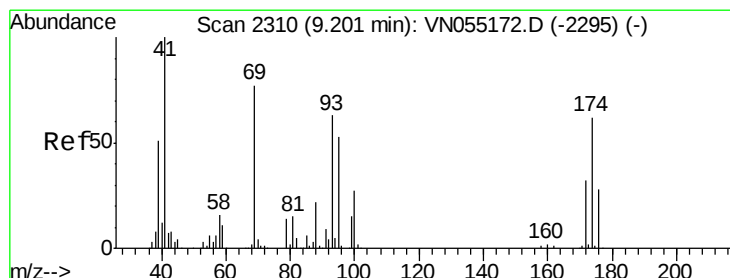
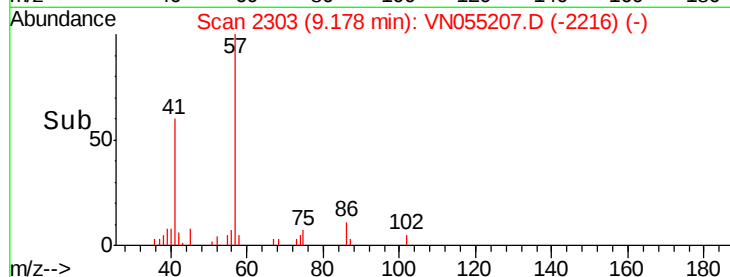
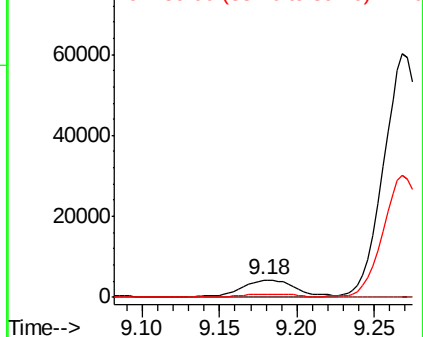
#48
Methyl methacrylate
Concen: 2.570 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN055207.D
Acq: 23 Apr 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
MUDDY-SOIL

Tgt Ion: 41 Resp: 9647
Ion Ratio Lower Upper
41 100
69 0.0 63.6 95.4#
39 0.0 43.8 65.8#

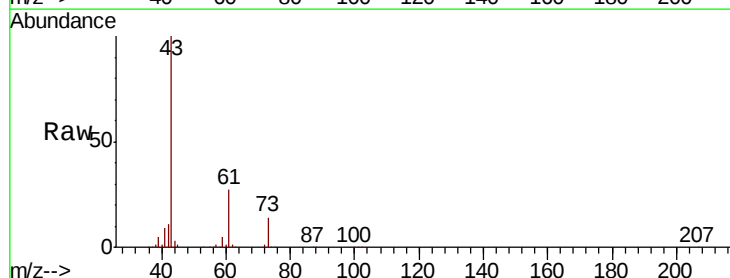


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

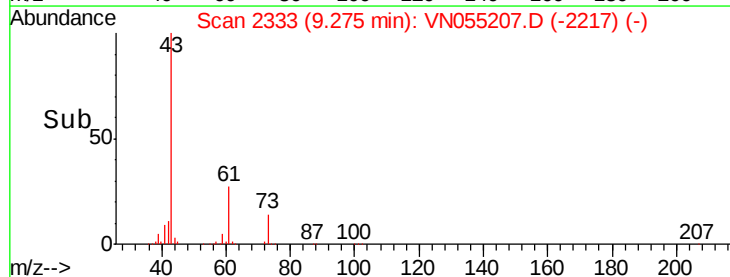
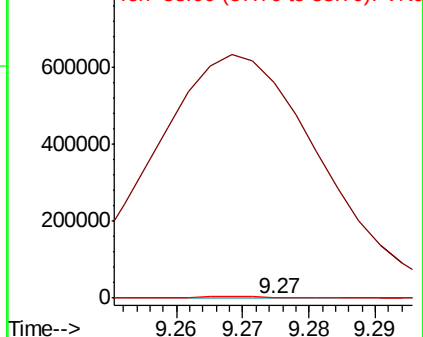


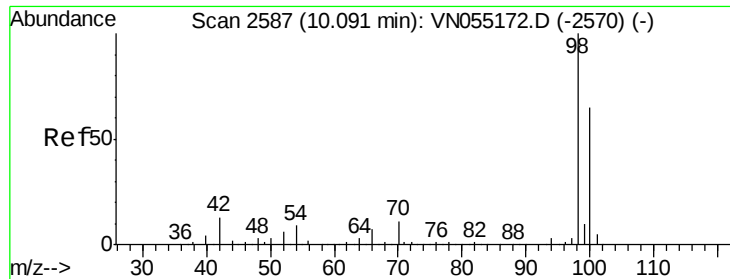
#49
1,4-Dioxane
Concen: 3.553 ug/l
RT: 9.27 min Scan# 2333
Delta R.T. 0.07 min
Lab File: VN055207.D
Acq: 23 Apr 2019 15:37

Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 779092.9 32.0 48.0#
58 3787.0 60.4 90.6#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 48.764 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

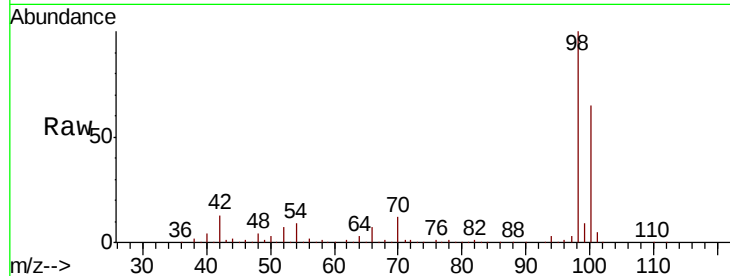
MUDDY-SOIL

Tgt Ion: 98 Resp: 782956

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN055172.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055172.D (-2570) (-)

10.09

400000

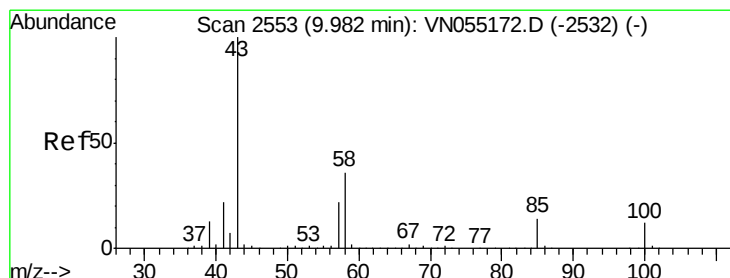
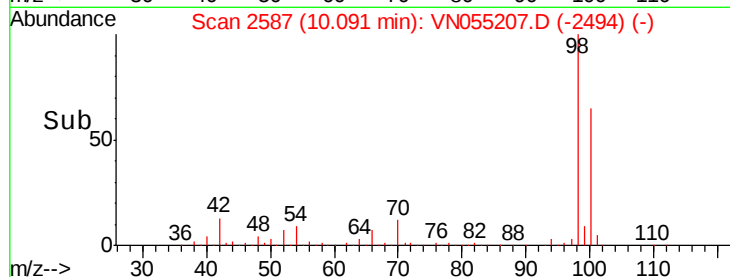
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.863 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055207.D

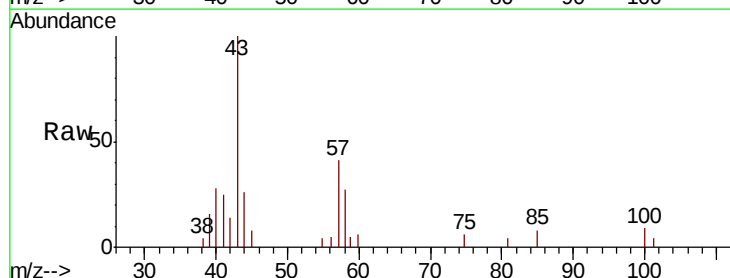
Acq: 23 Apr 2019 15:37

Tgt Ion: 43 Resp: 8294

Ion Ratio Lower Upper

43 100

58 35.8 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2532) (-)

8000

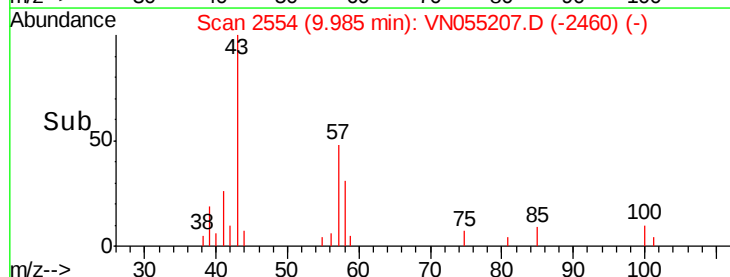
6000

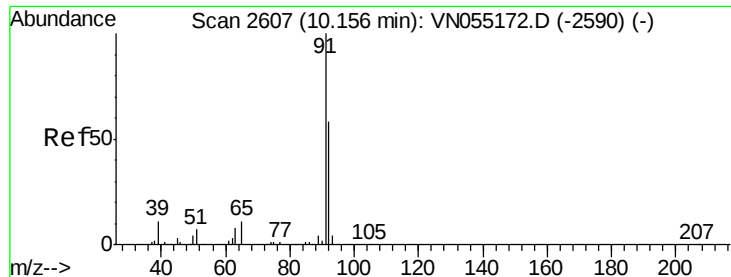
4000

2000

0

Time-->





#52

Toluene

Concen: 0.446 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampled :

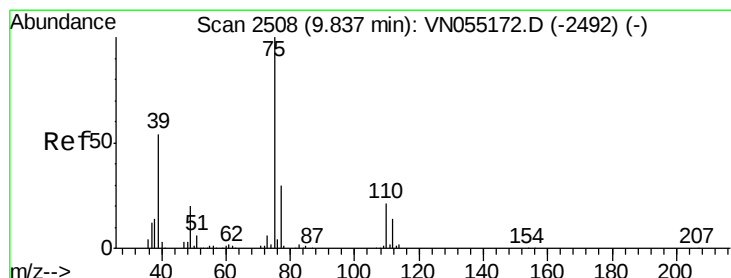
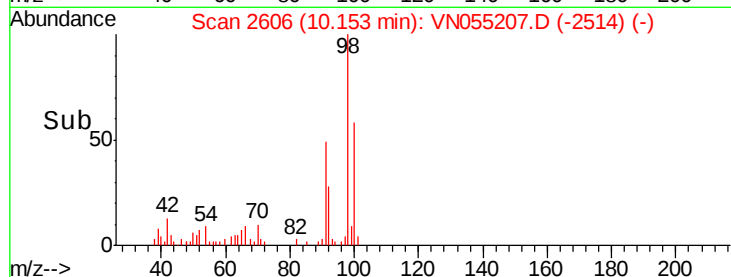
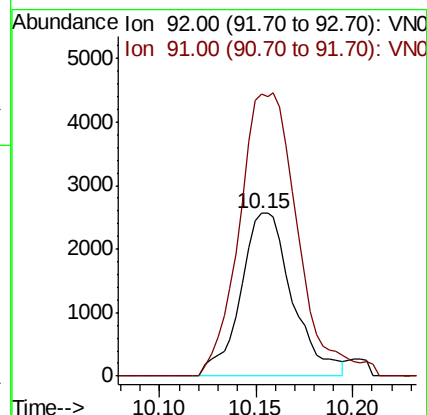
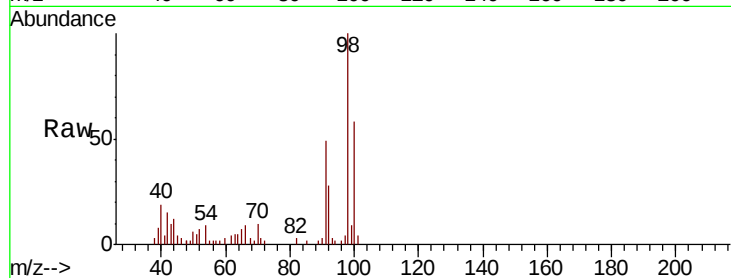
MUDDY-SOIL

Tgt Ion: 92 Resp: 4774

Ion Ratio Lower Upper

92 100

91 195.5 138.7 208.1



#54

cis-1,3-Dichloropropene

Concen: 8.756 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

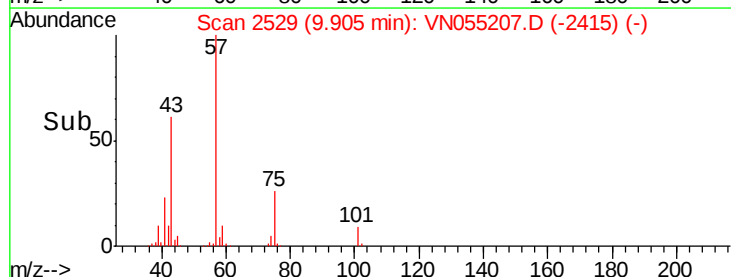
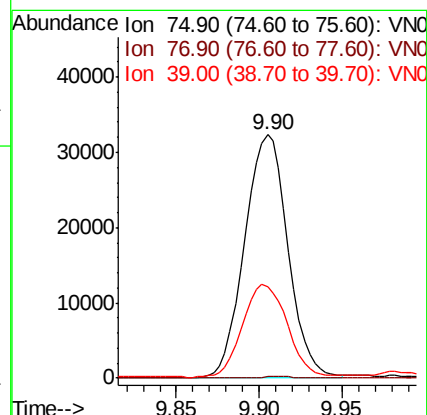
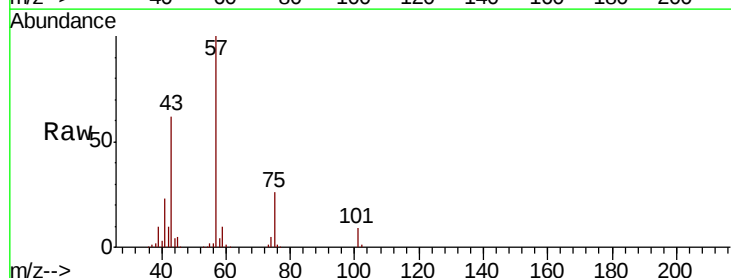
Tgt Ion: 75 Resp: 58953

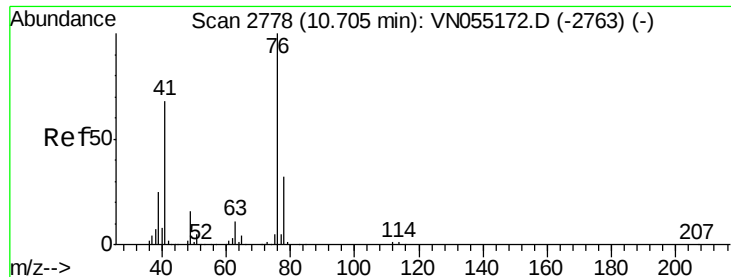
Ion Ratio Lower Upper

75 100

77 0.6 24.3 36.5#

39 37.3 43.0 64.4#

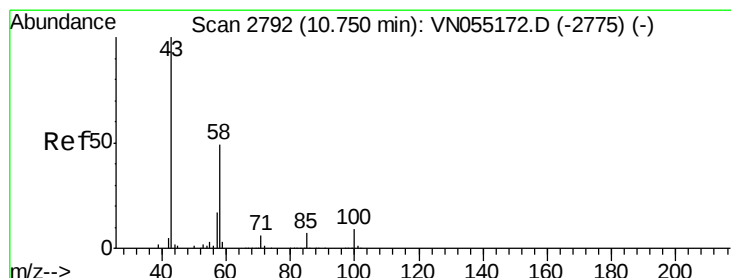
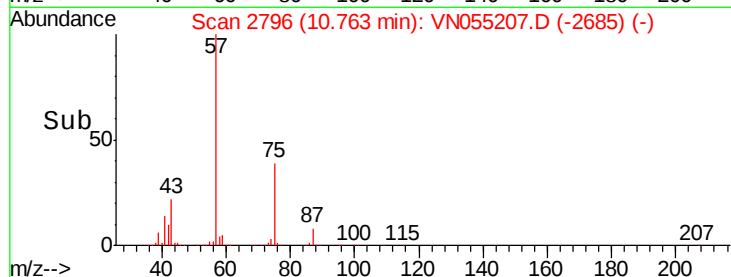
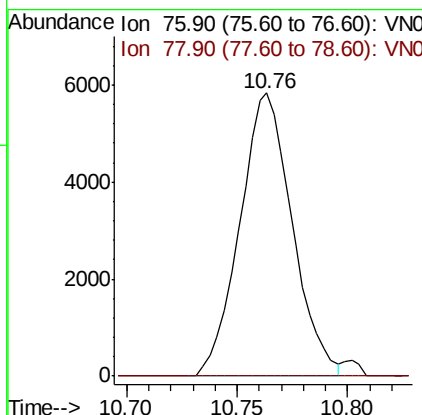
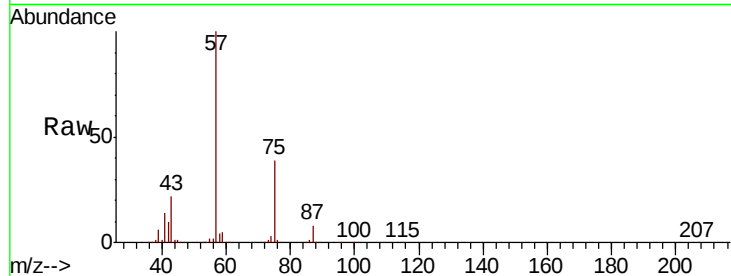




#57
 1,3-Dichloropropane
 Concen: 1.396 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055207.D
 Acq: 23 Apr 2019 15:37

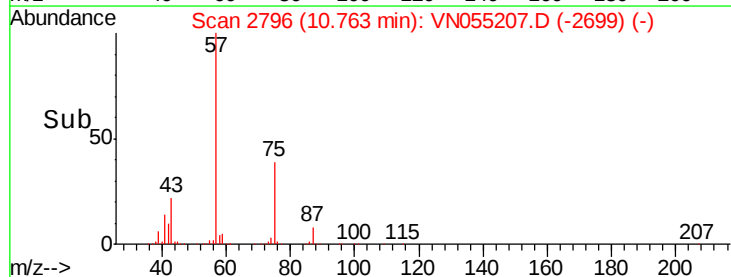
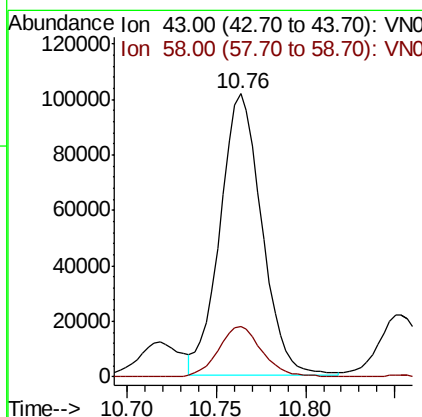
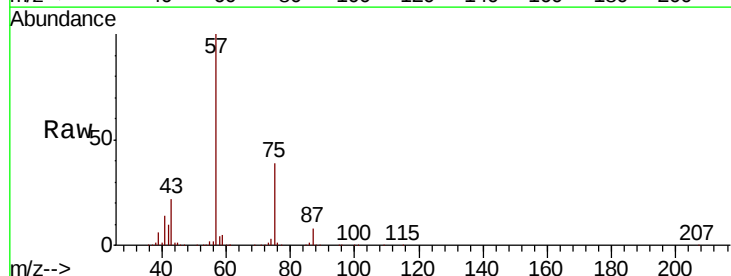
Instrument :
 MSVOA_N
 ClientSampleId :
 MUDDY-SOIL

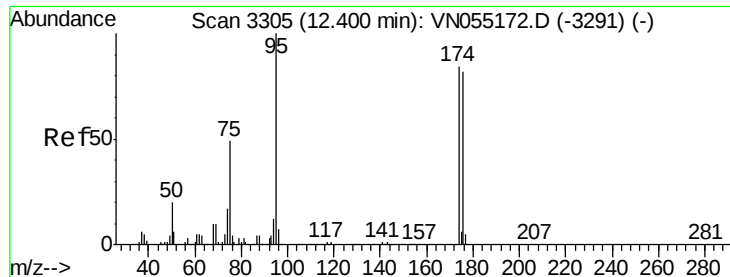
Tgt Ion: 76 Resp: 9591
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#



#59
 2-Hexanone
 Concen: 58.782 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN055207.D
 Acq: 23 Apr 2019 15:37

Tgt Ion: 43 Resp: 165309
 Ion Ratio Lower Upper
 43 100
 58 19.0 24.5 73.5#





#62

4-Bromofluorobenzene

Concen: 47.252 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

MUDDY-SOIL

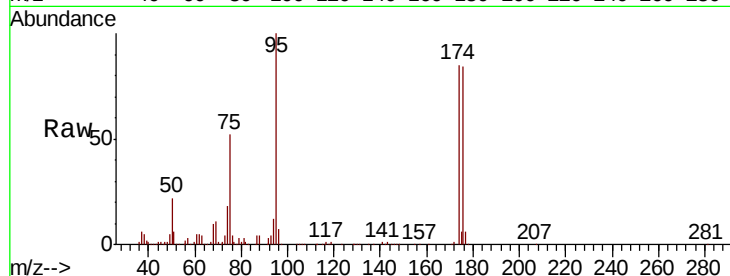
Tgt Ion: 95 Resp: 240254

Ion Ratio Lower Upper

95 100

174 84.7 0.0 168.4

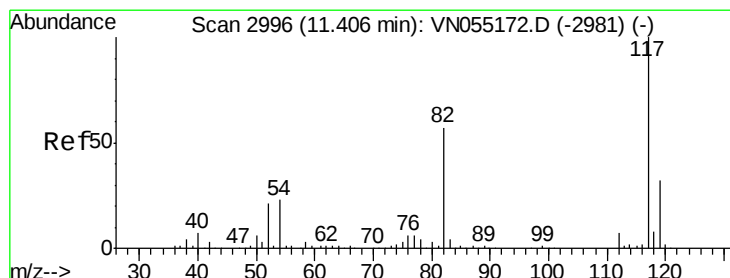
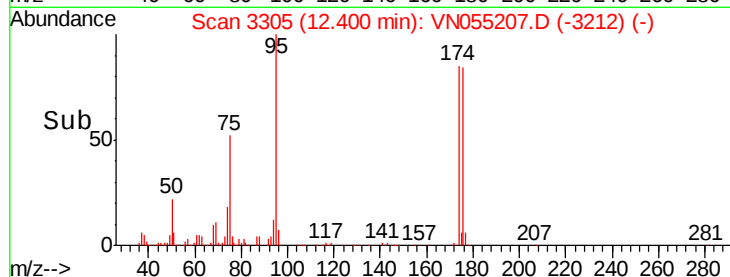
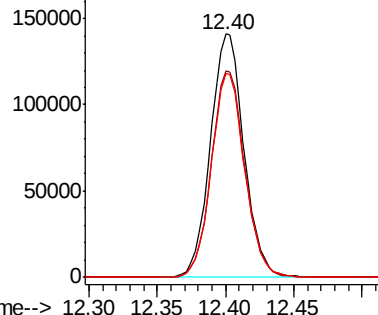
176 83.4 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): VN055207.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055207.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055207.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

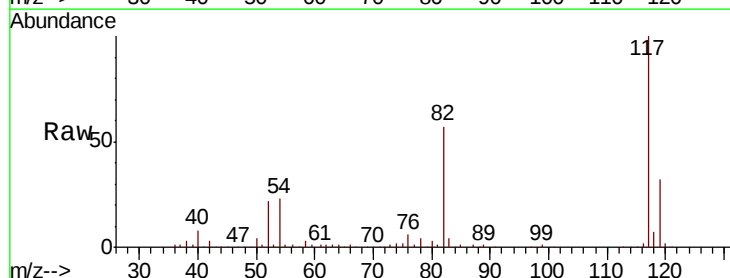
Tgt Ion: 117 Resp: 569025

Ion Ratio Lower Upper

117 100

82 56.6 45.7 68.5

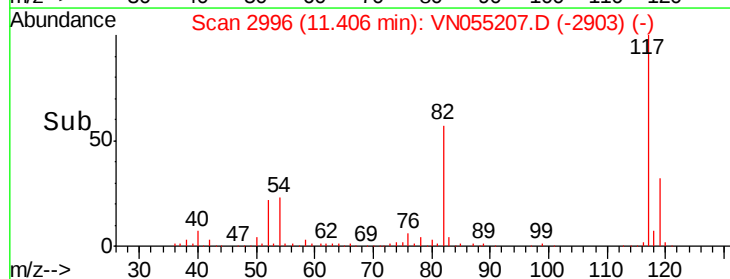
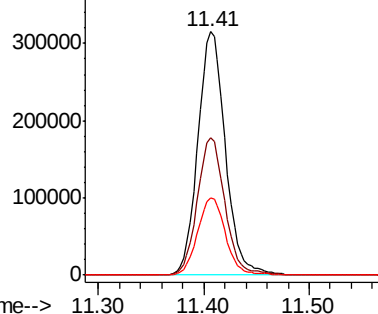
119 31.7 25.4 38.2

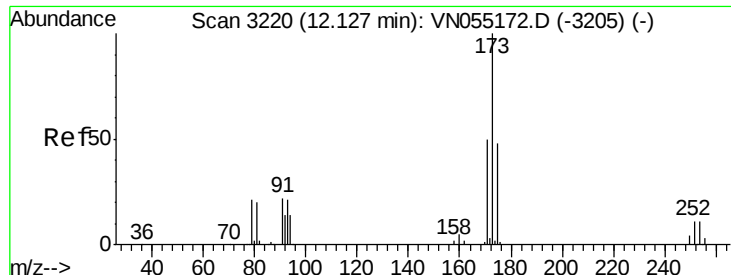


Abundance Ion 116.90 (116.60 to 117.60): VN055207.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055207.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055207.D (-2903) (-)





#71

Bromoform

Concen: 0.309 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

MUDDY-SOIL

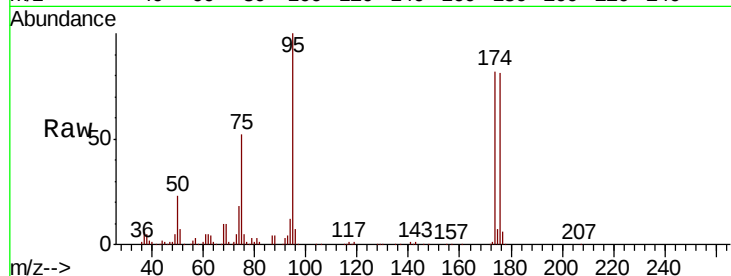
Tgt Ion:173 Resp: 794

Ion Ratio Lower Upper

173 100

175 0.0 23.8 71.2#

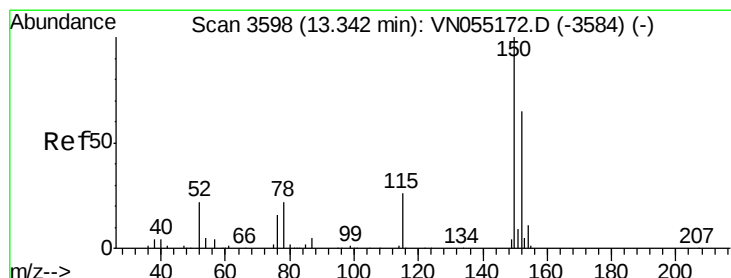
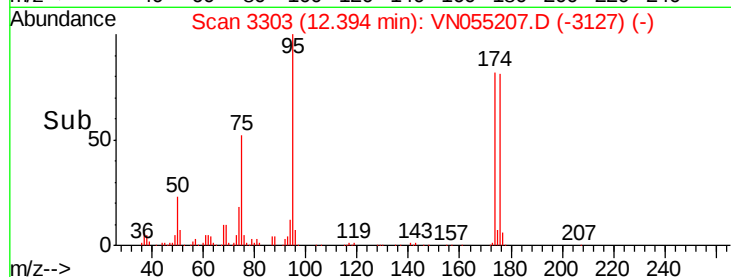
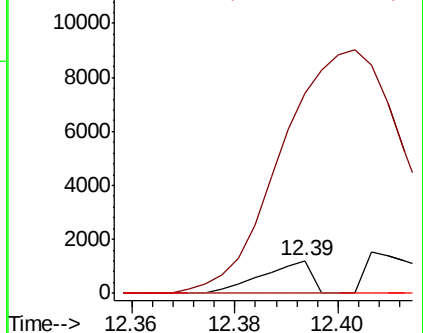
254 0.0 0.1 0.1#



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: VN055207.D

Acq: 23 Apr 2019 15:37

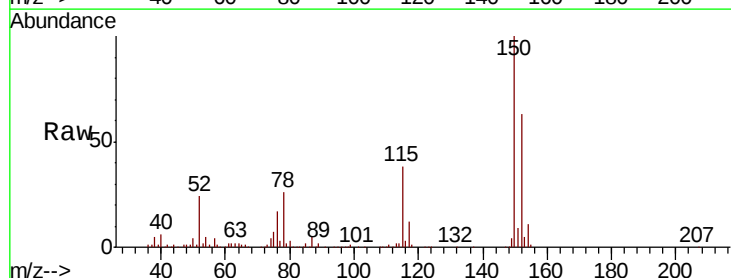
Tgt Ion:152 Resp: 168329

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

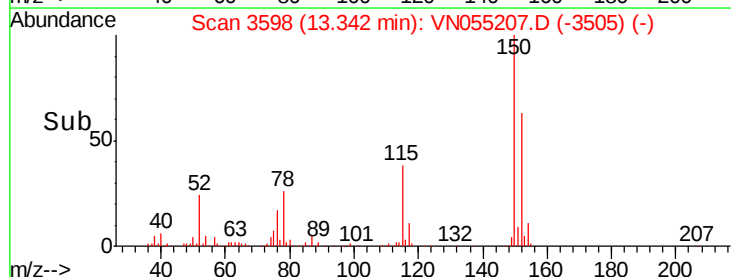
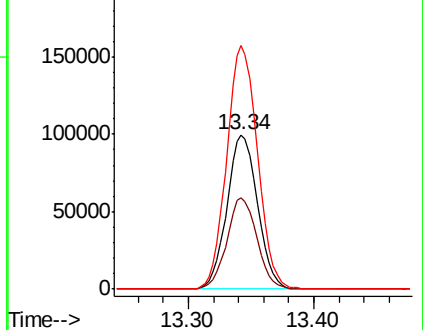
150 158.8 0.0 346.6

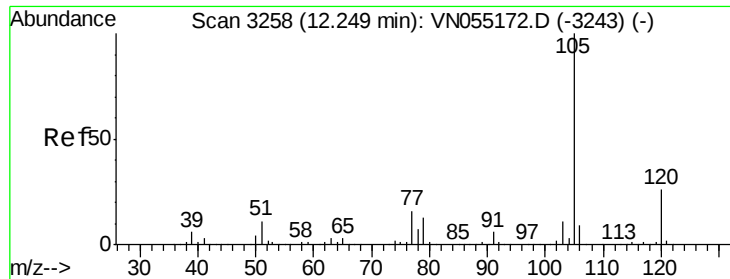


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

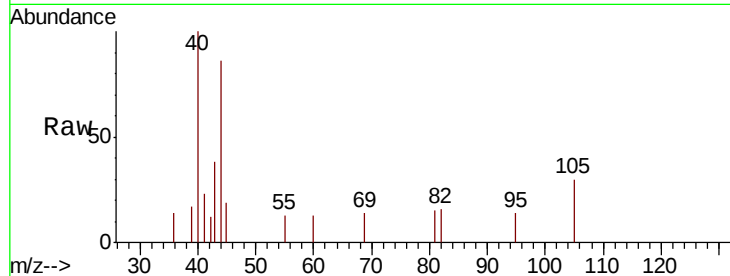
MUDDY-SOIL

Tgt Ion: 105 Resp: 347

Ion Ratio Lower Upper

105 100

120 0.0 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

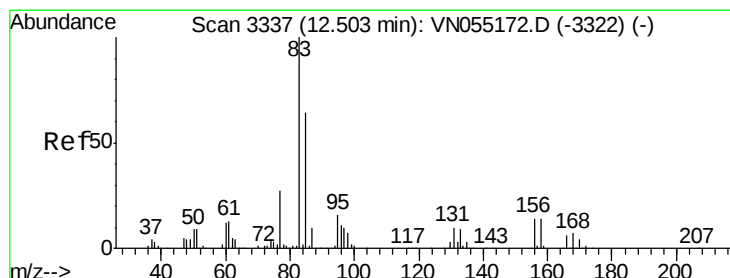
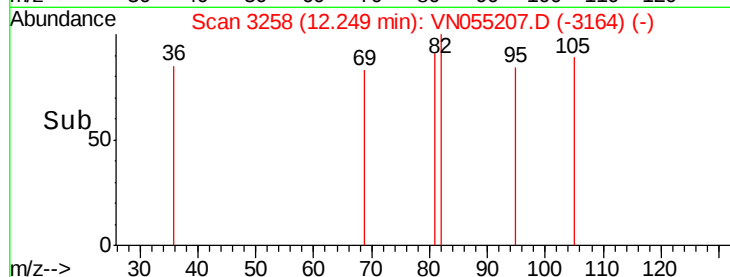
300

200

100

0

Time--> 12.22 12.24 12.26



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.03 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

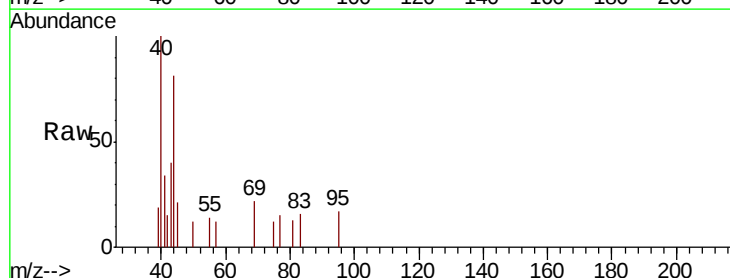
Tgt Ion: 83 Resp: 143

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): V

Ion 84.90 (84.60 to 85.60): VN0

250

200

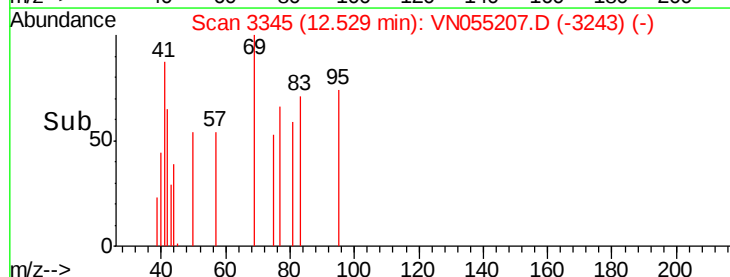
150

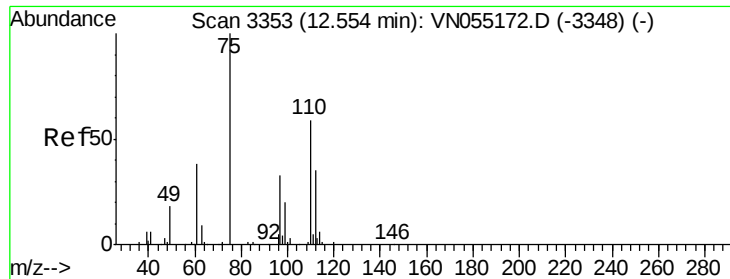
100

50

0

Time--> 12.52 12.54





#76

1,2,3-Trichloropropane

Concen: 36.081 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampled :

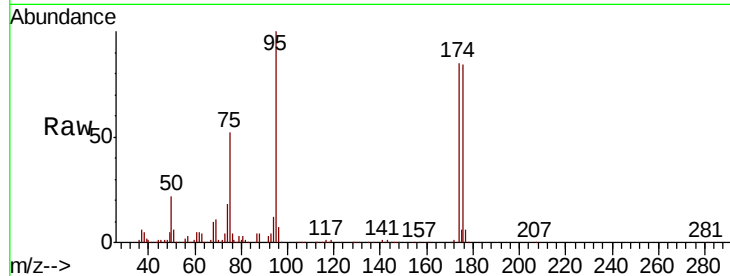
MUDDY-SOIL

Tgt Ion: 75 Resp: 123213

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

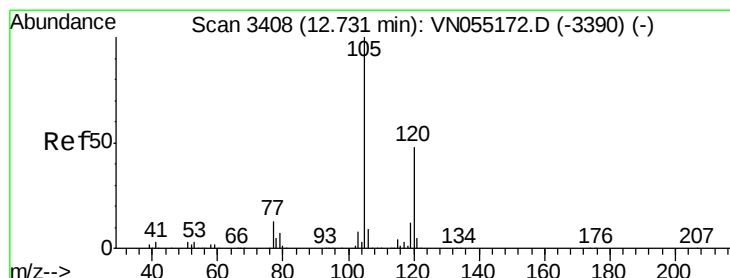
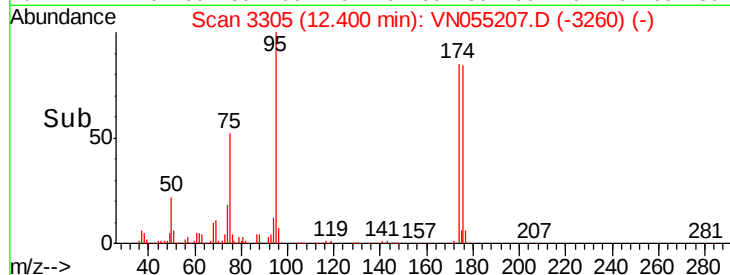


Abundance Ion 74.90 (74.60 to 75.60): VN055207.D (-3305) (-)

Ion 77.00 (76.70 to 77.70): VN055207.D (-3305) (-)

12.40

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.290 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055207.D

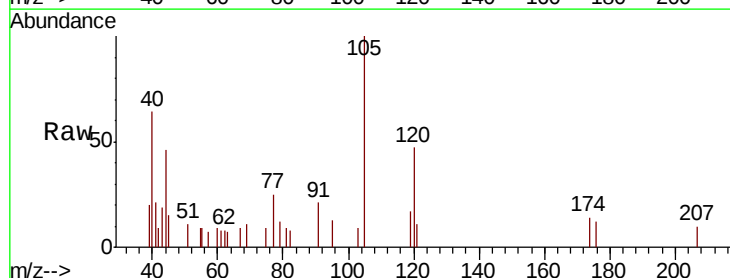
Acq: 23 Apr 2019 15:37

Tgt Ion: 105 Resp: 3658

Ion Ratio Lower Upper

105 100

120 45.4 23.9 71.7

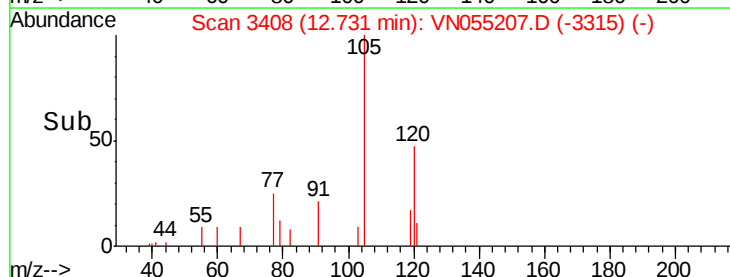


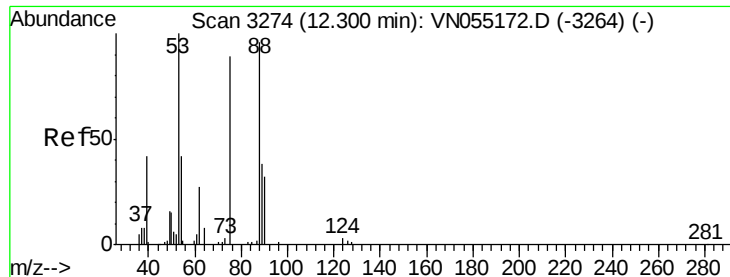
Abundance Ion 105.00 (104.70 to 105.70): VN055207.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055207.D (-3315) (-)

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 136.775 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

MUDDY-SOIL

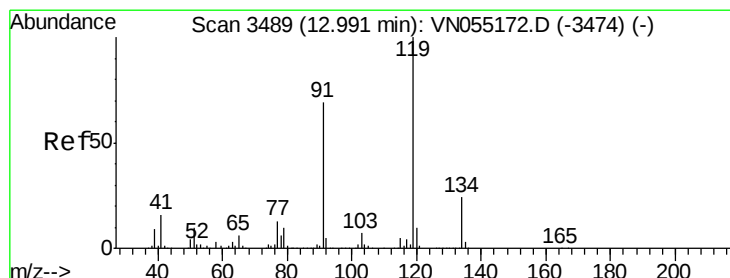
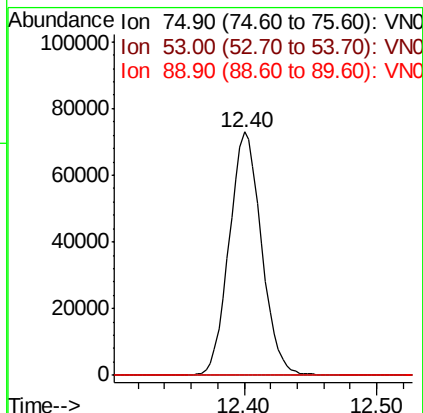
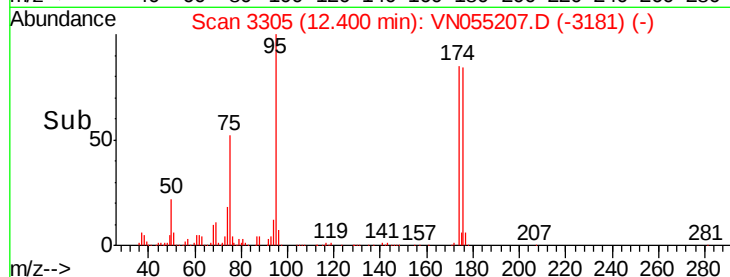
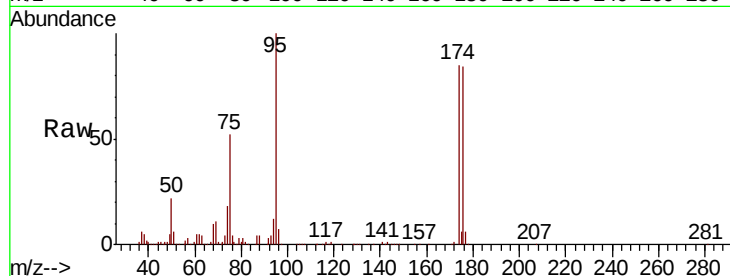
Tgt Ion: 75 Resp: 123213

Ion Ratio Lower Upper

75 100

53 0.2 90.1 135.1#

89 0.0 36.7 55.1#



#83

tert-Butylbenzene

Concen: Below Cal

RT: 13.00 min Scan# 3493

Delta R.T. 0.01 min

Lab File: VN055207.D

Acq: 23 Apr 2019 15:37

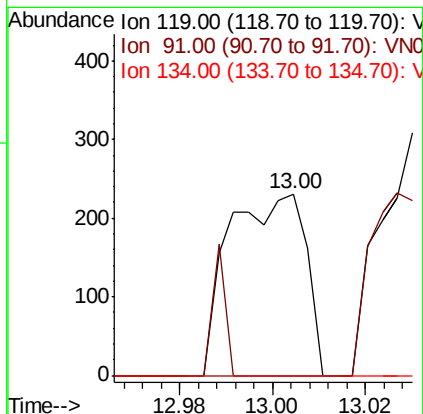
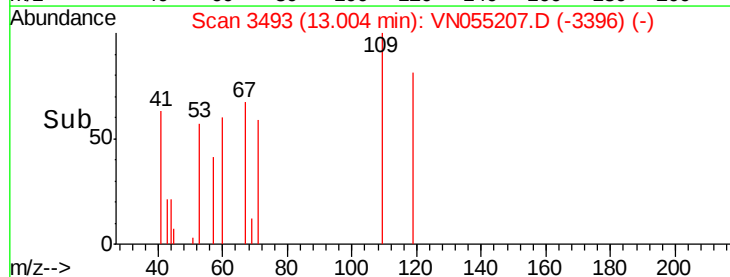
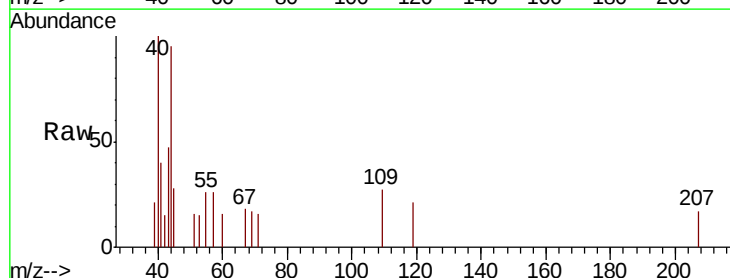
Tgt Ion: 119 Resp: 266

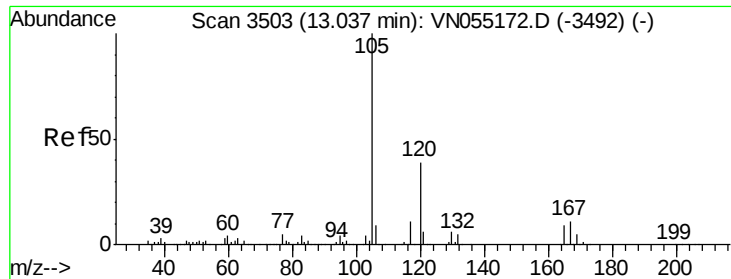
Ion Ratio Lower Upper

119 100

91 12.0 33.8 101.3#

134 0.0 13.2 39.5#

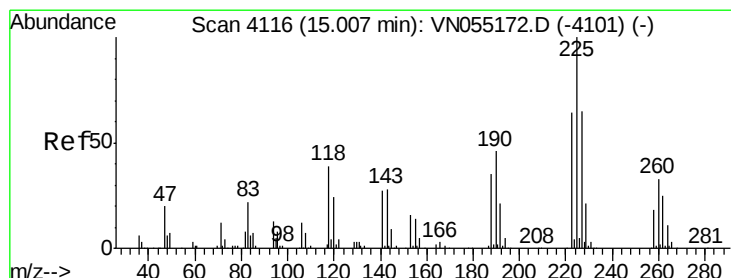
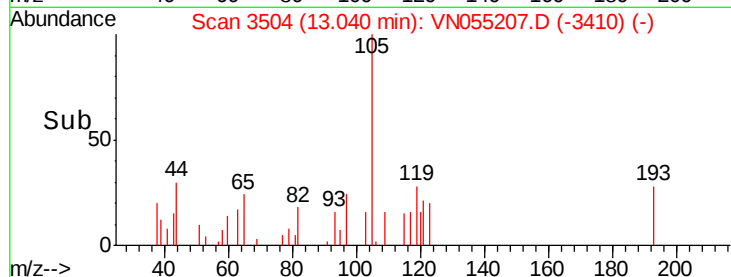
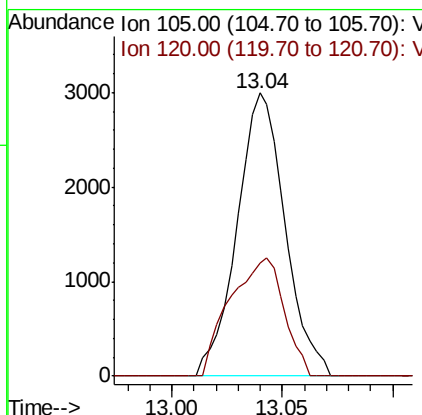
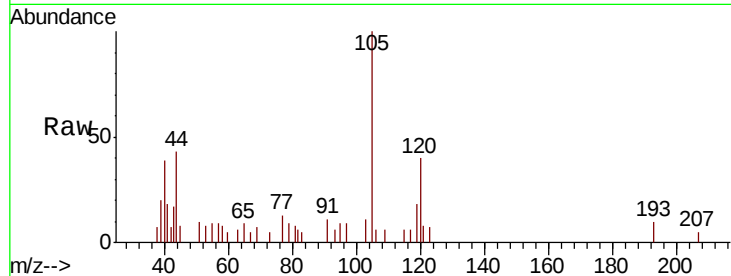




#84
 1,2,4-Trimethylbenzene
 Concen: 0.380 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055207.D
 Acq: 23 Apr 2019 15:37

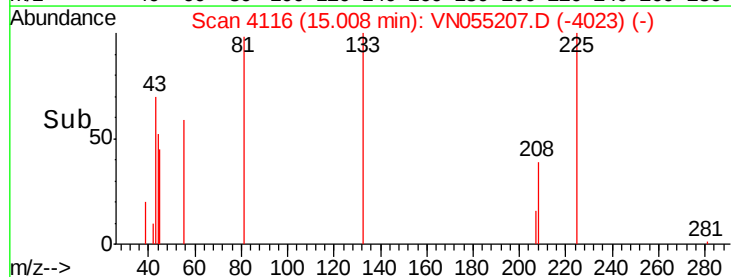
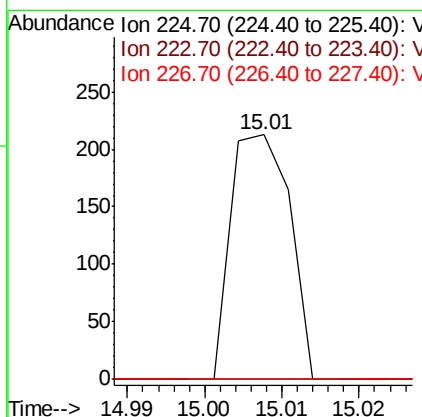
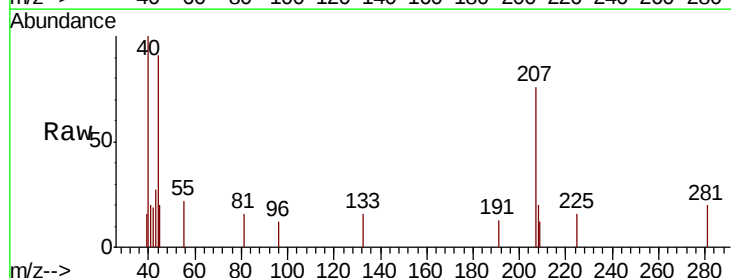
Instrument :
 MSVOA_N
 ClientSampleId :
 MUDDY-SOIL

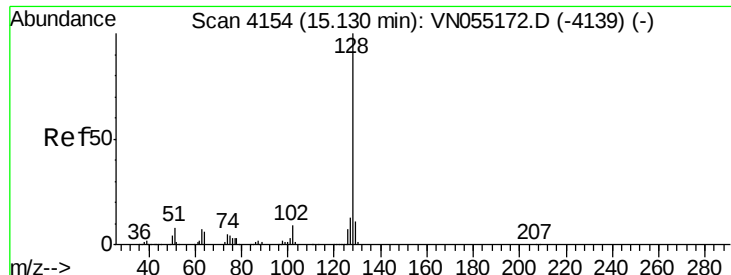
Tgt Ion:105 Resp: 4520
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.7 68.1



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055207.D
 Acq: 23 Apr 2019 15:37

Tgt Ion:225 Resp: 113
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.2 96.6#
 227 0.0 32.6 98.0#





#95

Naphthalene

Concen: 3.747 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055207.D

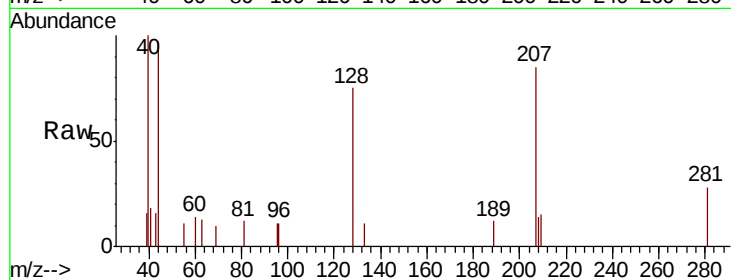
Acq: 23 Apr 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

MUDDY-SOIL



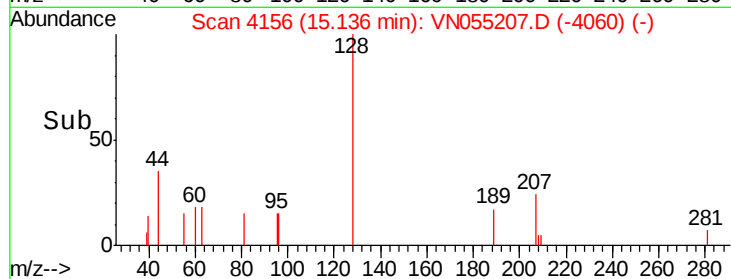
Tgt Ion:128 Resp: 2067

Ion Ratio Lower Upper

128 100

127 1.4 10.3 15.5#

129 3.3 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

