

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110922\
 Data File : VX032714.D
 Acq On : 10 Nov 2022 07:59
 Operator : JC/MD
 Sample : N5529-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NMS-SOIL-1108

Quant Time: Nov 10 08:28:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

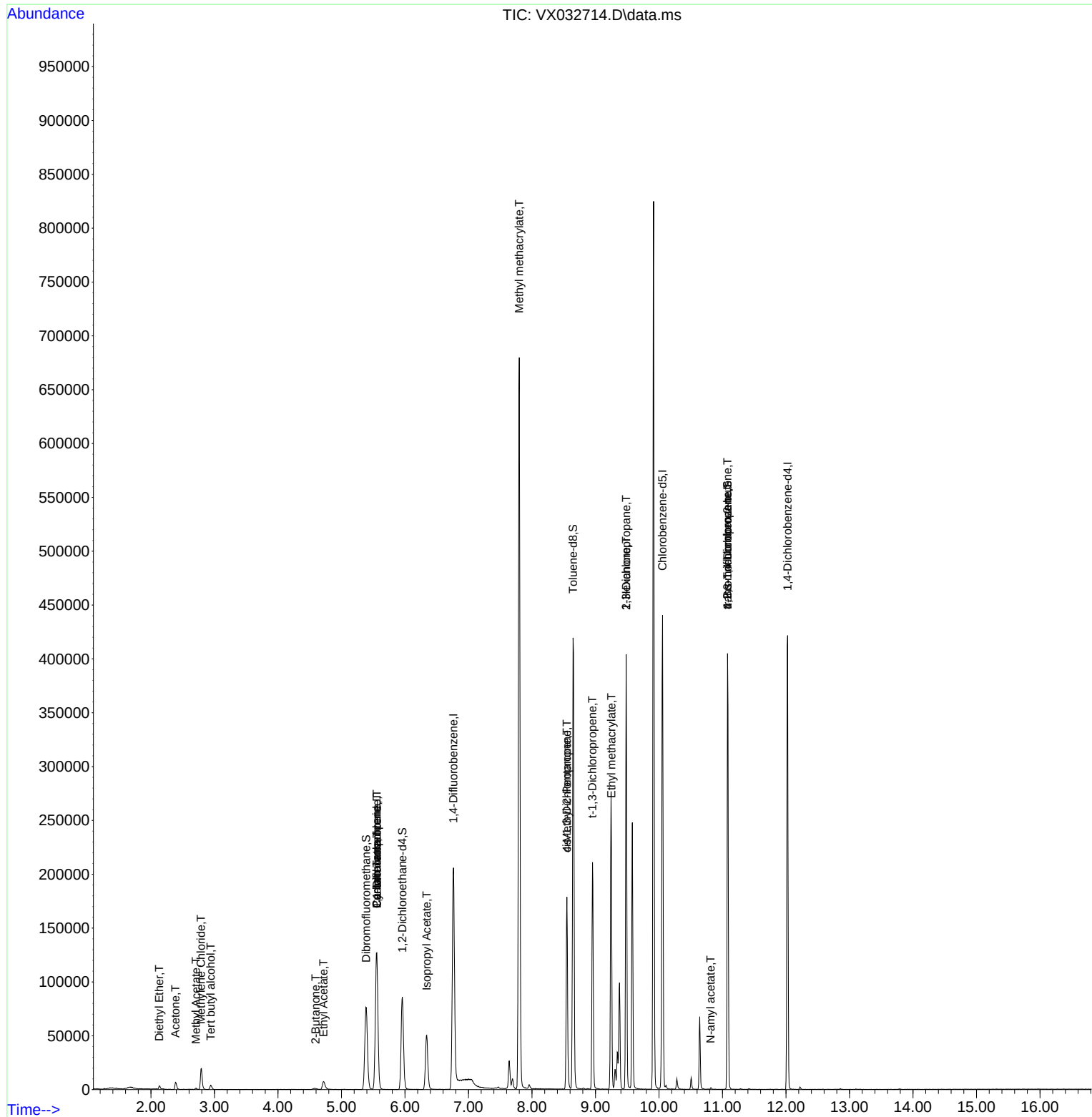
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	119589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203214	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	86180	51.864	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.720%	
35) Dibromofluoromethane	5.385	113	66792	46.078	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.160%	
50) Toluene-d8	8.647	98	250702	49.739	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	11.079	95	98378	49.966	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.940%	
Target Compounds						Qvalue
8) Diethyl Ether	2.130	74	1022	1.297	ug/l	90
11) Tert butyl alcohol	2.941	59	2446	10.114	ug/l #	72
16) Acetone	2.386	43	8843	14.642	ug/l	100
18) Methyl Acetate	2.709	43	1618	0.824	ug/l	92
20) Methylene Chloride	2.788	84	9606	6.937	ug/l	98
25) 2-Butanone	4.593	43	964	1.030	ug/l #	47
31) Cyclohexane	5.556	56	2784	1.382	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	9808	4.859	ug/l #	50
37) Ethyl Acetate	4.715	43	14940	7.110	ug/l	95
38) Carbon Tetrachloride	5.556	117	12465	5.568	ug/l #	15
43) Isopropyl Acetate	6.342	43	70342	21.804	ug/l	98
48) Methyl methacrylate	7.799	41	62343	37.417	ug/l #	45
51) 4-Methyl-2-Pentanone	8.549	43	61912	30.468	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	445	0.205	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	26917	11.573	ug/l #	61
56) Ethyl methacrylate	9.250	69	548	0.243	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3303	1.303	ug/l #	42
59) 2-Hexanone	9.482	43	47121	31.252	ug/l #	50
74) N-amyl acetate	10.811	43	766	0.296	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	53090	27.621	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	53090	87.891	ug/l #	6

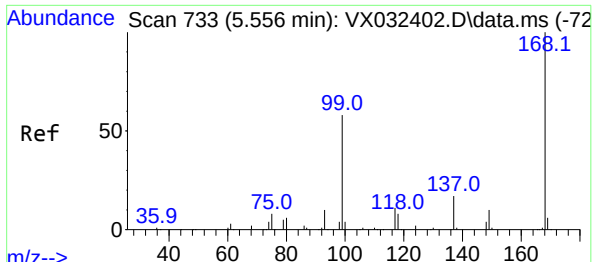
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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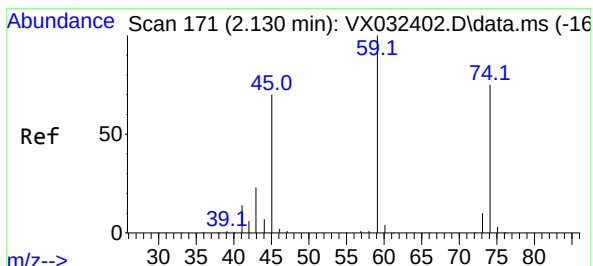
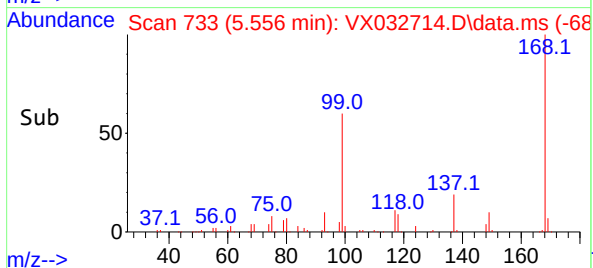
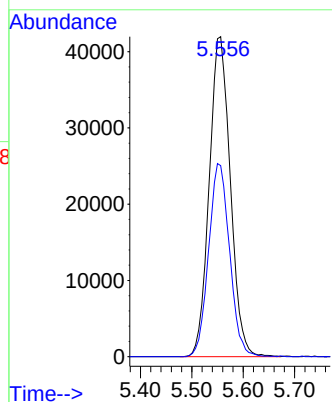
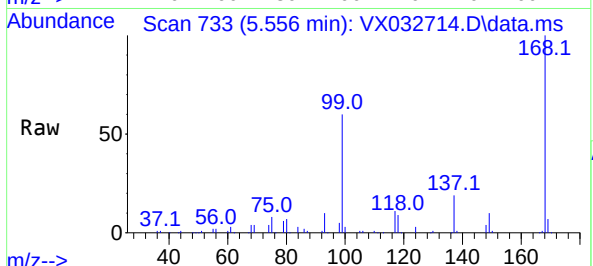




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

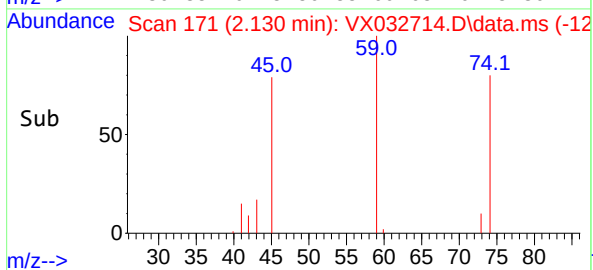
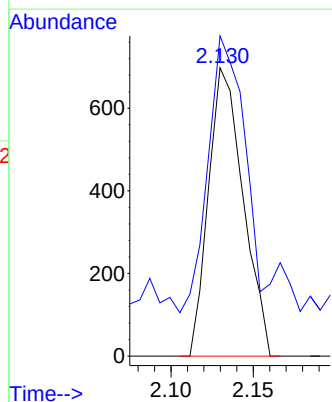
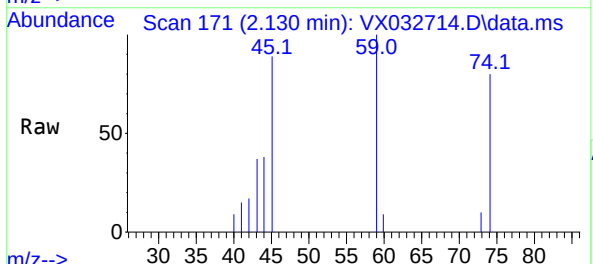
Instrument :
MSVOA_X
ClientSampleId :
NMS-SOIL-1108

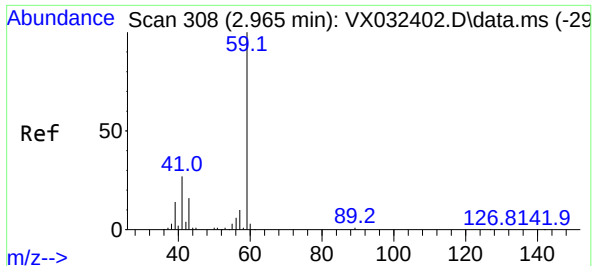
Tgt Ion:168 Resp: 119589
Ion Ratio Lower Upper
168 100
99 59.7 46.1 69.1



#8
Diethyl Ether
Concen: 1.297 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

Tgt Ion: 74 Resp: 1022
Ion Ratio Lower Upper
74 100
45 102.4 46.6 139.7

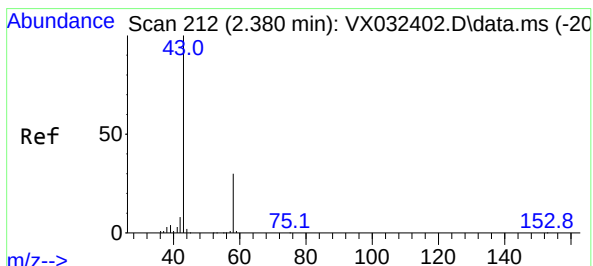
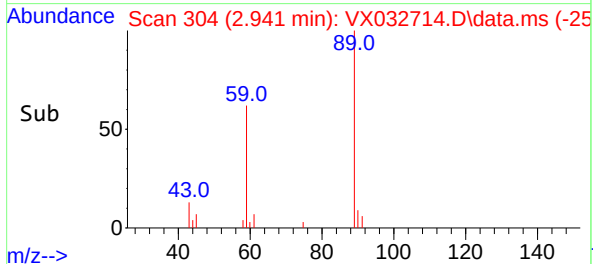
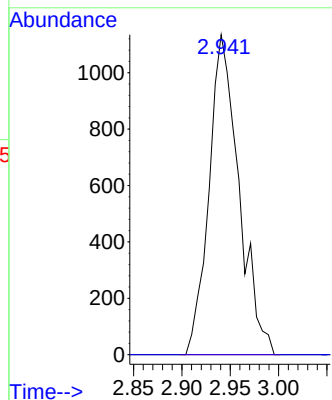
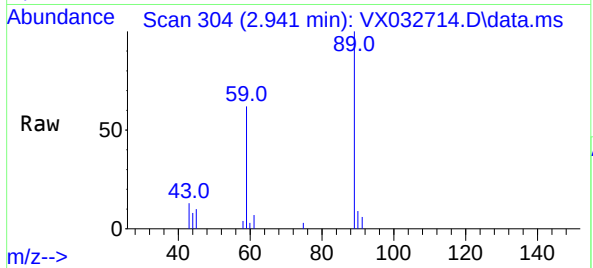




#11
Tert butyl alcohol
Concen: 10.114 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

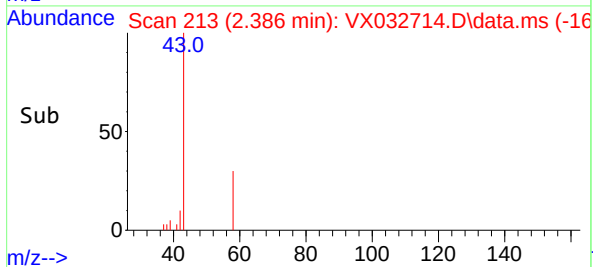
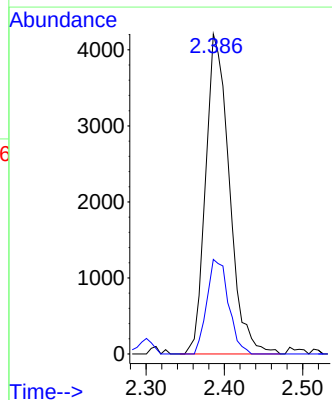
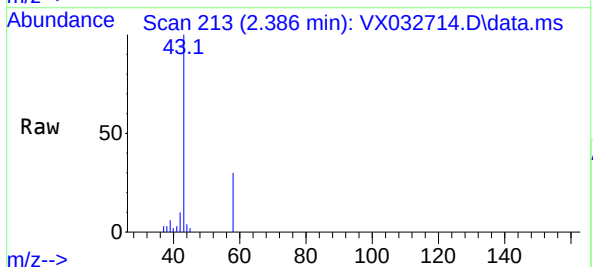
Instrument :
MSVOA_X
ClientSampleId :
NMS-SOIL-1108

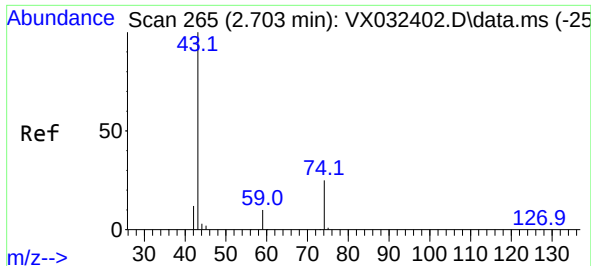
Tgt Ion: 59 Resp: 2446
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 14.642 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

Tgt Ion: 43 Resp: 8843
Ion Ratio Lower Upper
43 100
58 29.5 23.8 35.8

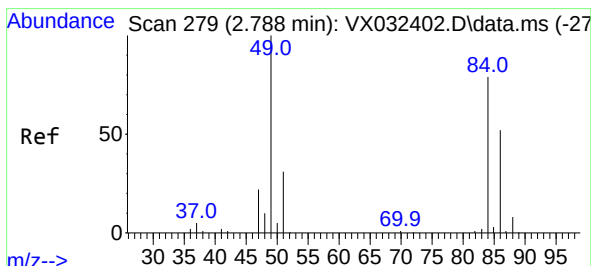
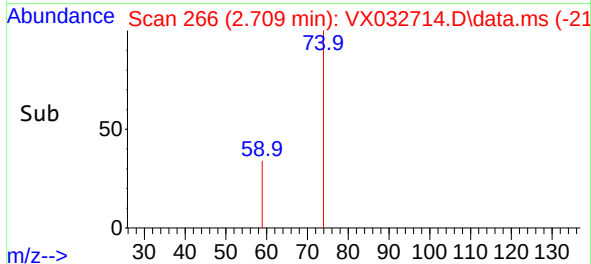
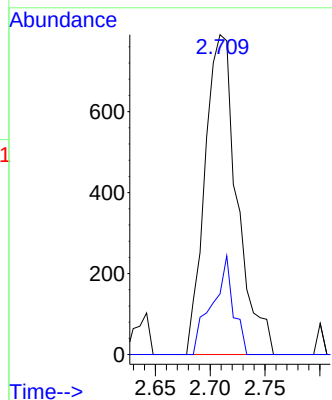
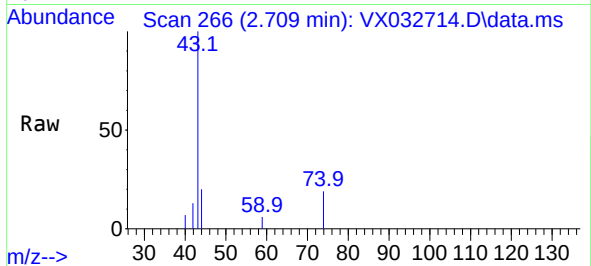




#18
Methyl Acetate
Concen: 0.824 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

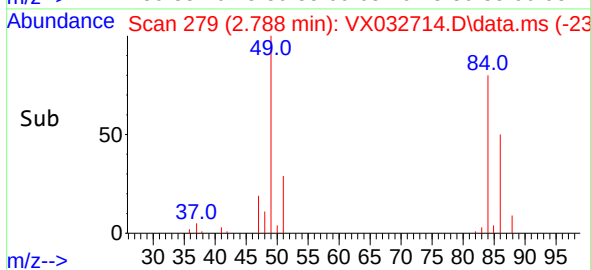
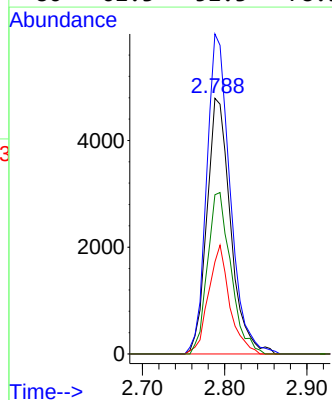
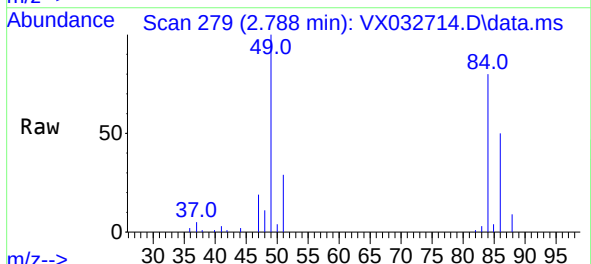
Instrument :
MSVOA_X
ClientSampleId :
NMS-SOIL-1108

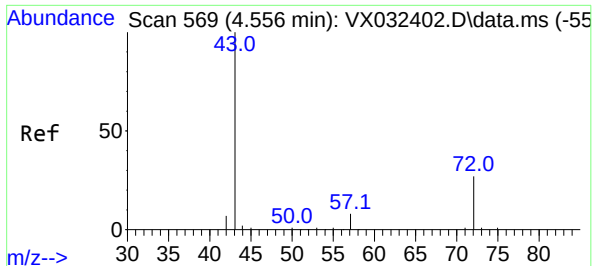
Tgt Ion: 43 Resp: 1618
Ion Ratio Lower Upper
43 100
74 20.2 19.4 29.0



#20
Methylene Chloride
Concen: 6.937 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

Tgt Ion: 84 Resp: 9606
Ion Ratio Lower Upper
84 100
49 125.2 101.0 151.6
51 36.0 31.1 46.7
86 62.3 52.3 78.5

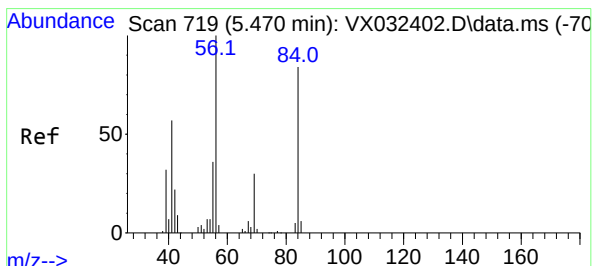
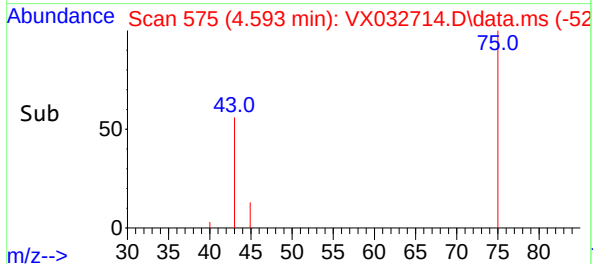
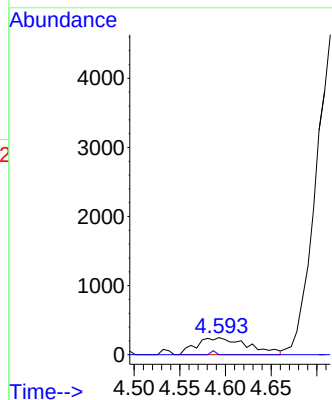
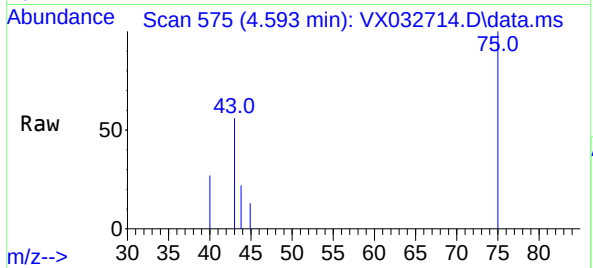




#25
2-Butanone
Concen: 1.030 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

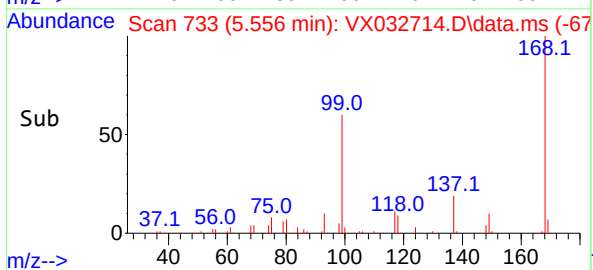
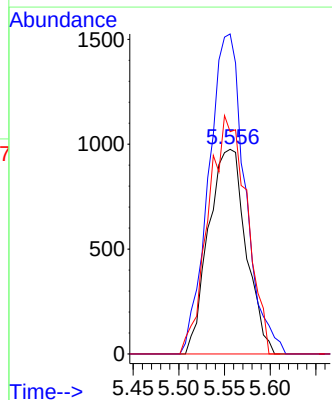
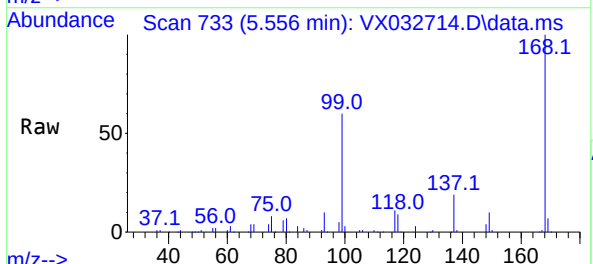
Instrument :
MSVOA_X
ClientSampleId :
NMS-SOIL-1108

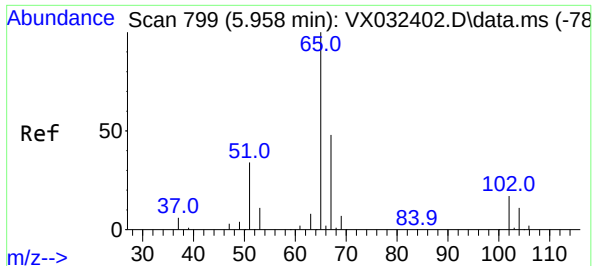
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#



#31
Cyclohexane
Concen: 1.382 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

Tgt Ion: 56 Resp: 2784
Ion Ratio Lower Upper
56 100
69 156.4 24.1 36.1#
84 108.6 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 51.864 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032714.D

Acq: 10 Nov 2022 07:59

Instrument :

MSVOA_X

ClientSampleId :

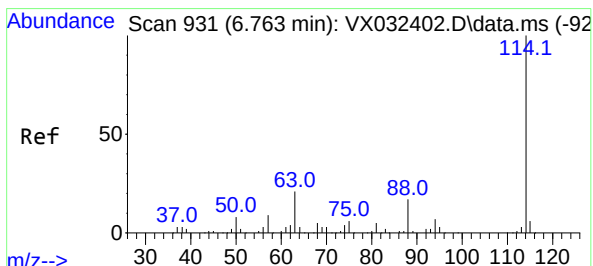
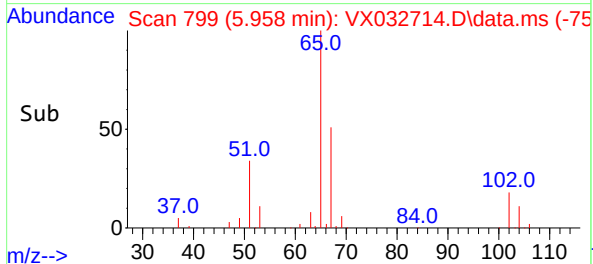
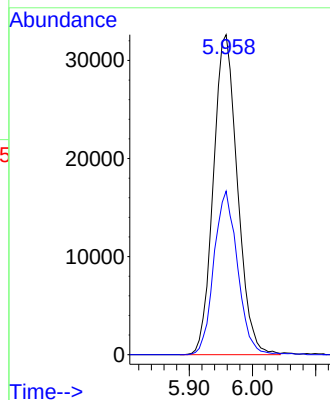
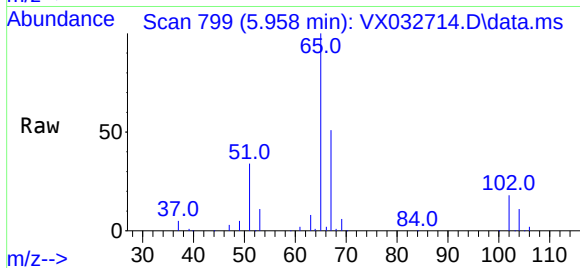
NMS-SOIL-1108

Tgt Ion: 65 Resp: 86180

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032714.D

Acq: 10 Nov 2022 07:59

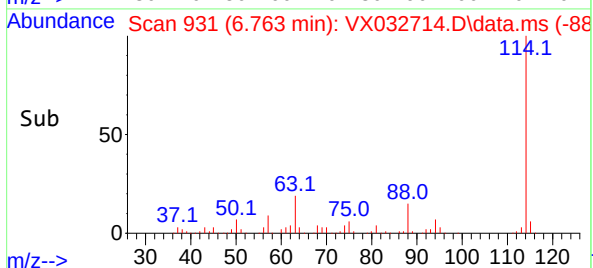
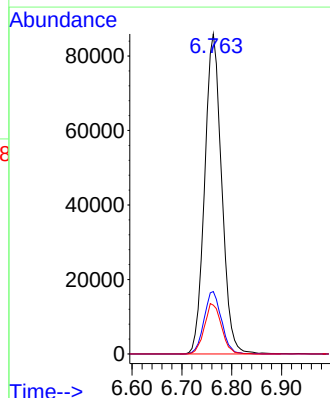
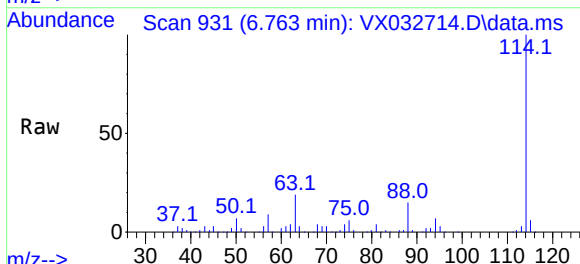
Tgt Ion: 114 Resp: 203214

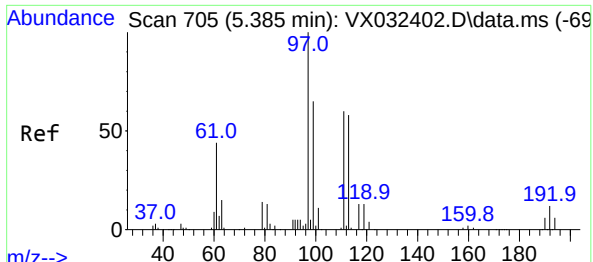
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.6

88 15.2 0.0 33.4

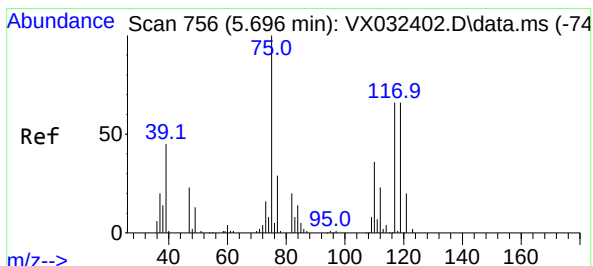
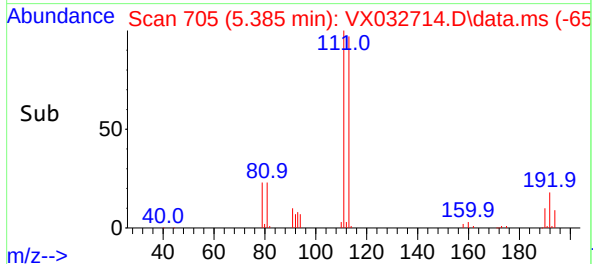
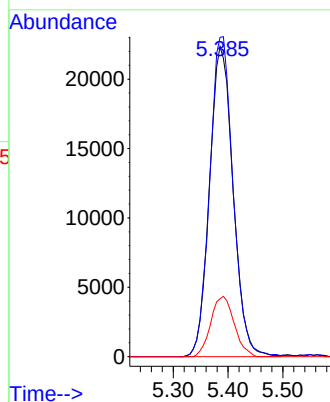
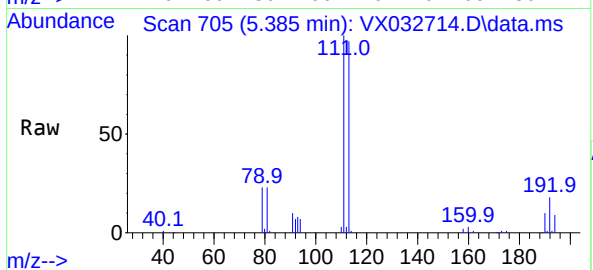




#35
Dibromofluoromethane
Concen: 46.078 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

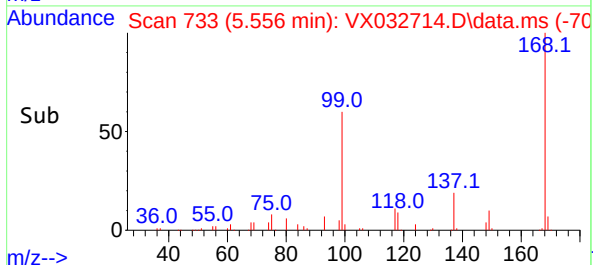
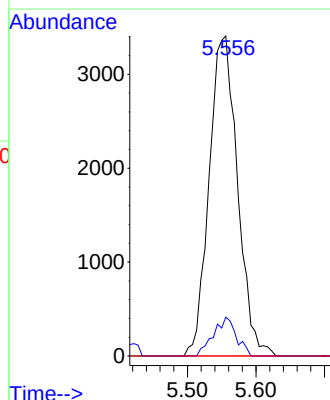
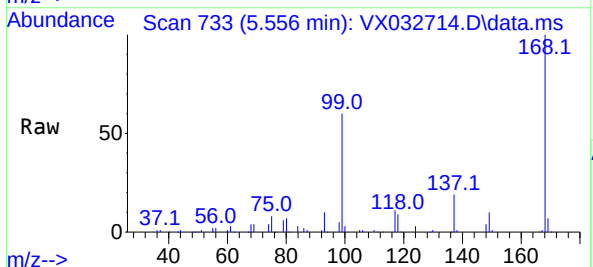
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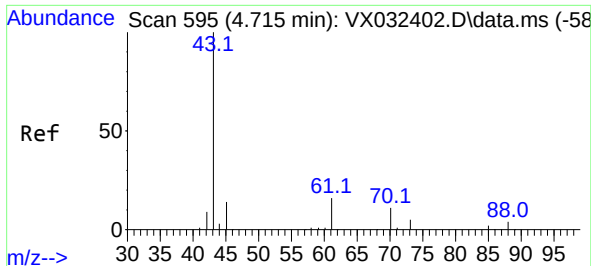
Tgt Ion:113 Resp: 66792
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 19.3 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.859 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

Tgt Ion: 75 Resp: 9808
Ion Ratio Lower Upper
75 100
110 9.7 18.4 55.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 7.110 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX032714.D

Acq: 10 Nov 2022 07:59

Instrument :

MSVOA_X

ClientSampleId :

NMS-SOIL-1108

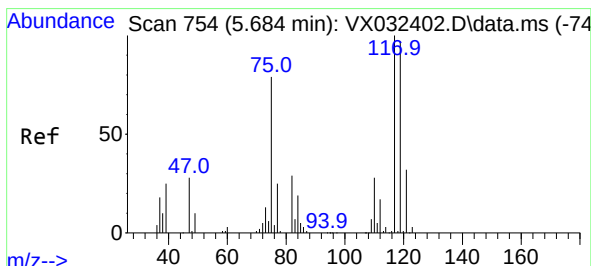
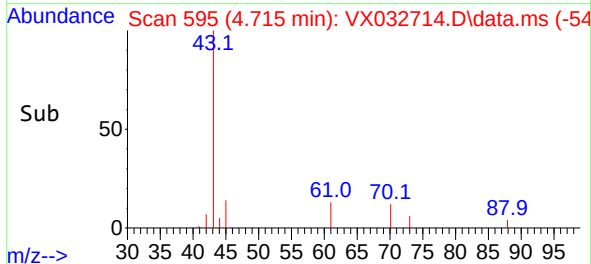
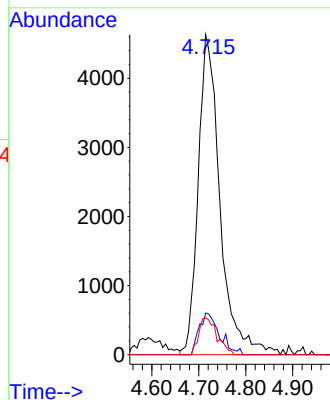
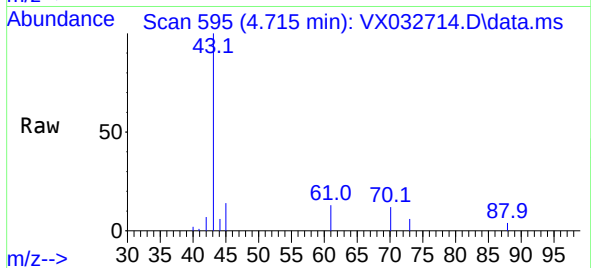
Tgt Ion: 43 Resp: 14940

Ion Ratio Lower Upper

43 100

61 12.2 11.5 17.3

70 9.7 9.1 13.7



#38

Carbon Tetrachloride

Concen: 5.568 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX032714.D

Acq: 10 Nov 2022 07:59

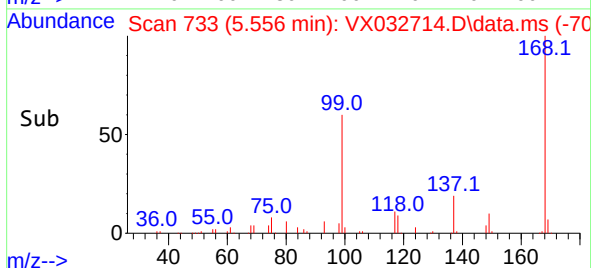
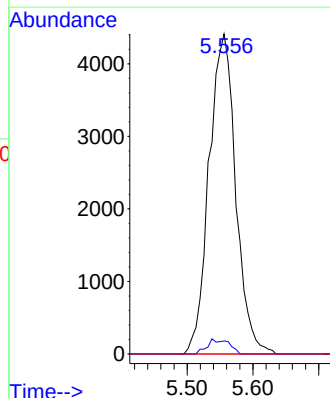
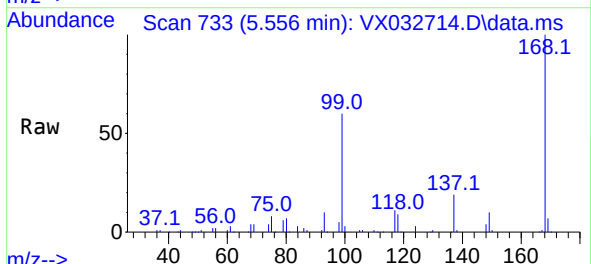
Tgt Ion: 117 Resp: 12465

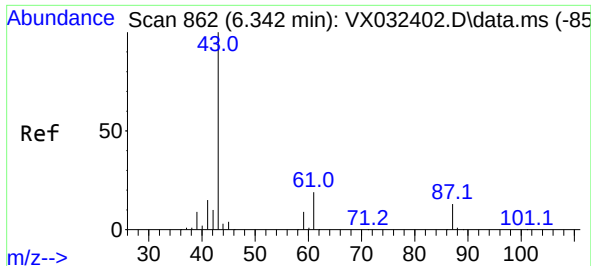
Ion Ratio Lower Upper

117 100

119 4.1 77.2 115.8#

121 0.0 25.8 38.6#

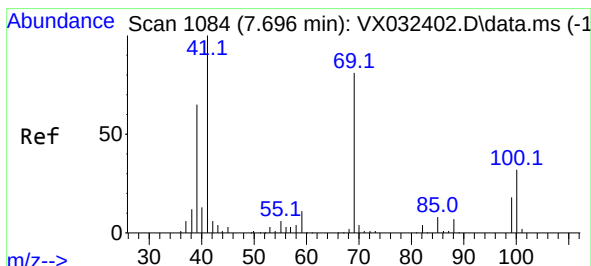
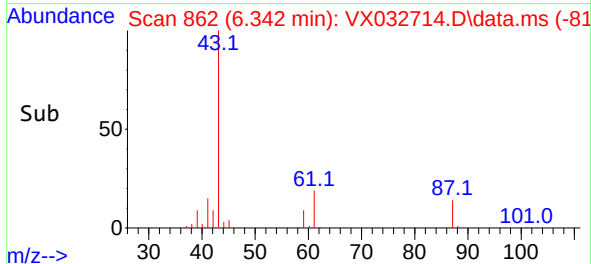
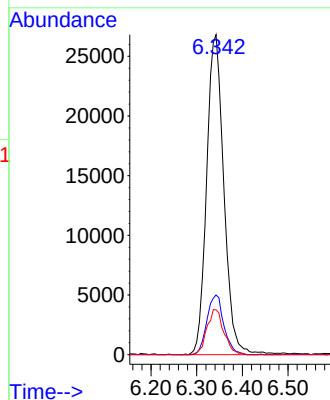
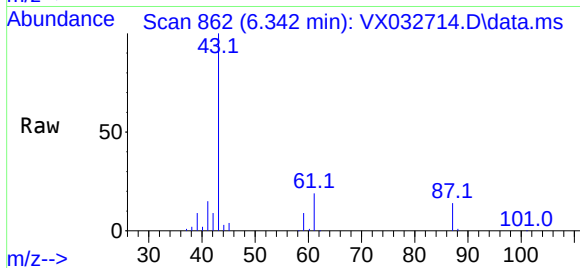




#43
Isopropyl Acetate
Concen: 21.804 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

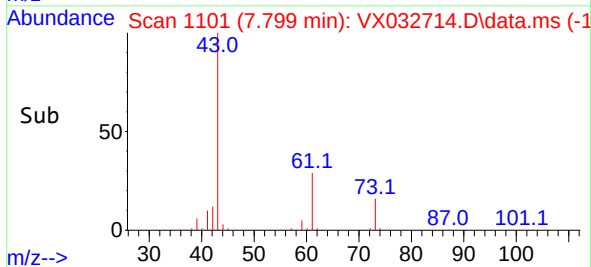
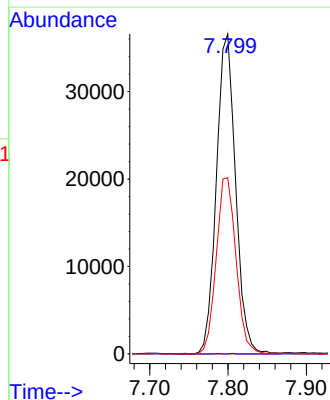
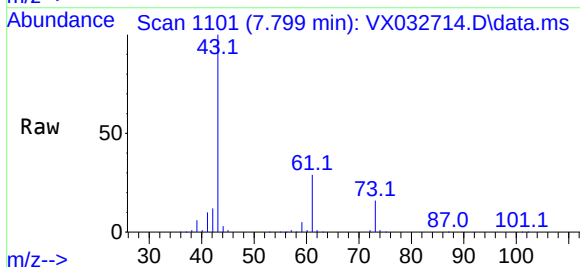
Instrument :
MSVOA_X
ClientSampleId :
NMS-SOIL-1108

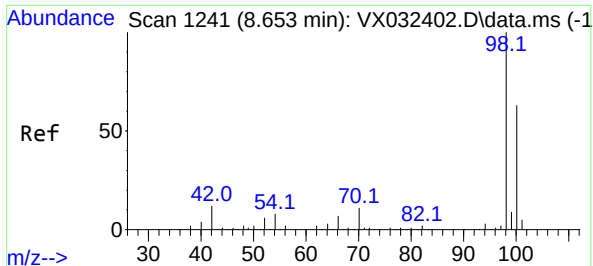
Tgt Ion: 43 Resp: 70342
Ion Ratio Lower Upper
43 100
61 18.3 15.4 23.0
87 13.8 10.8 16.2



#48
Methyl methacrylate
Concen: 37.417 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

Tgt Ion: 41 Resp: 62343
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 56.9 51.9 77.9





#50

Toluene-d8

Concen: 49.739 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032714.D

Acq: 10 Nov 2022 07:59

Instrument :

MSVOA_X

ClientSampleId :

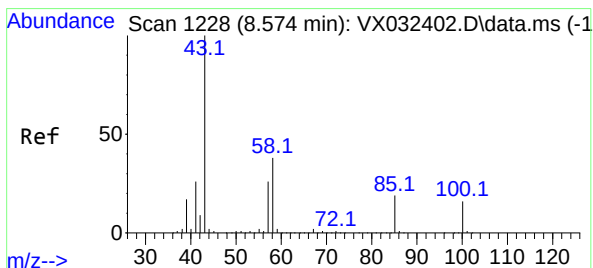
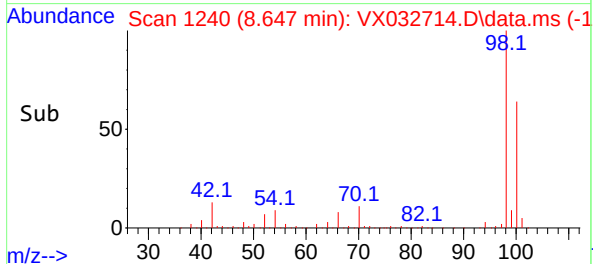
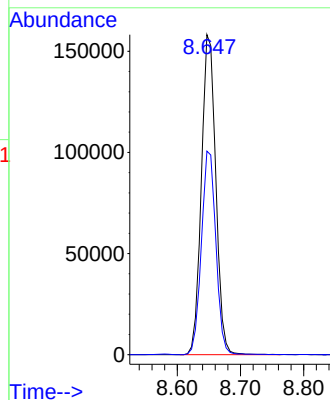
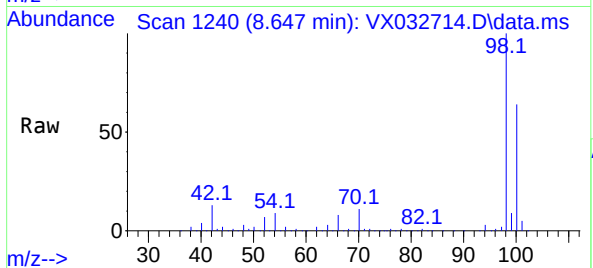
NMS-SOIL-1108

Tgt Ion: 98 Resp: 250702

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 30.468 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX032714.D

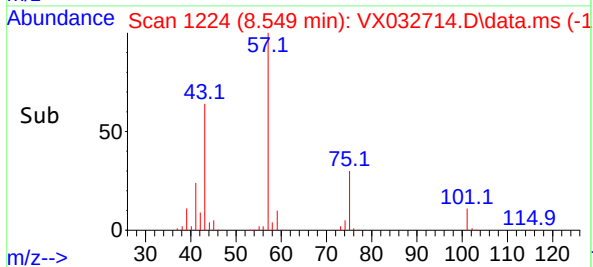
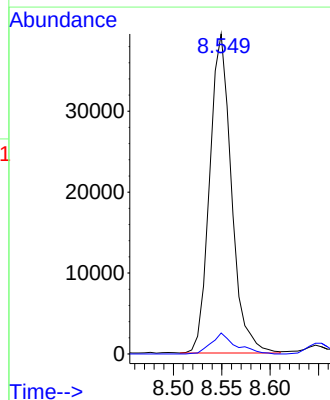
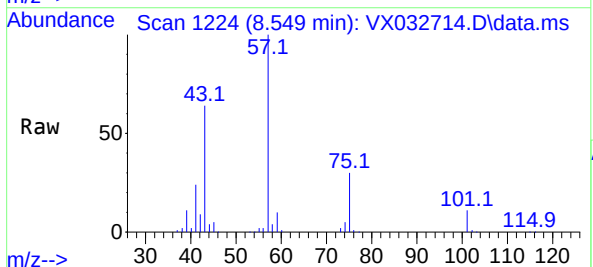
Acq: 10 Nov 2022 07:59

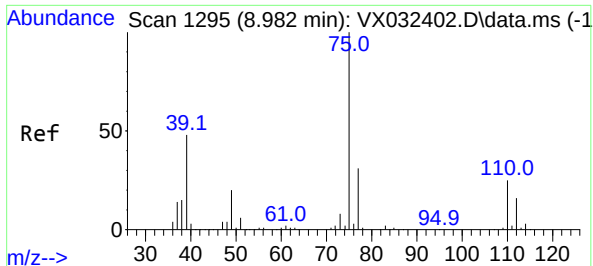
Tgt Ion: 43 Resp: 61912

Ion Ratio Lower Upper

43 100

58 7.3 30.9 46.3#

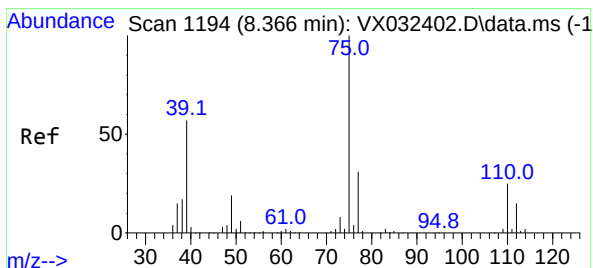
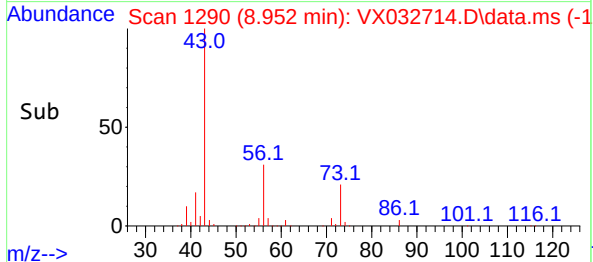
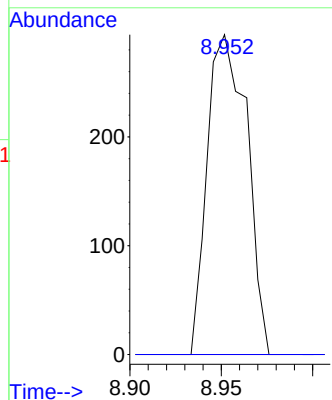
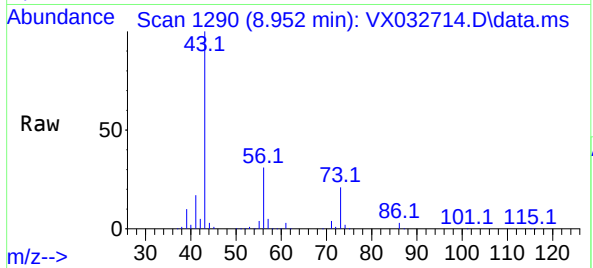




#53
 t-1,3-Dichloropropene
 Concen: 0.205 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.030 min
 Lab File: VX032714.D
 Acq: 10 Nov 2022 07:59

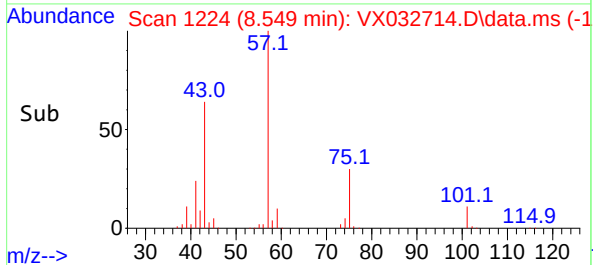
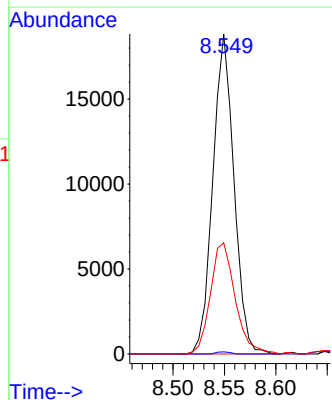
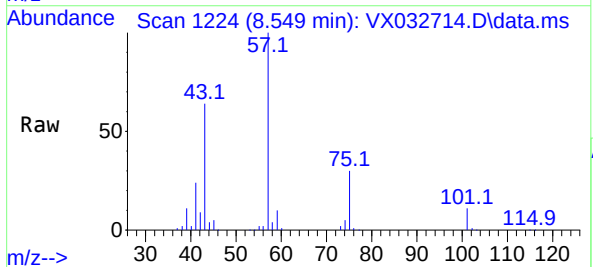
Instrument :
 MSVOA_X
 ClientSampleId :
 NMS-SOIL-1108

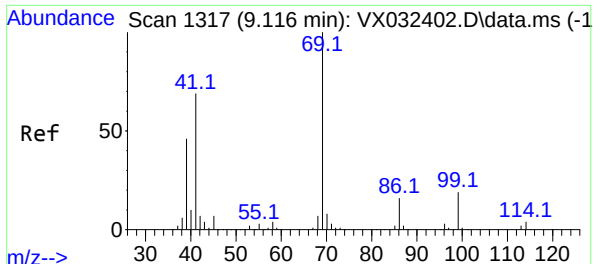
Tgt Ion: 75 Resp: 445
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 11.573 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX032714.D
 Acq: 10 Nov 2022 07:59

Tgt Ion: 75 Resp: 26917
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.1 37.7#
 39 34.8 45.5 68.3#

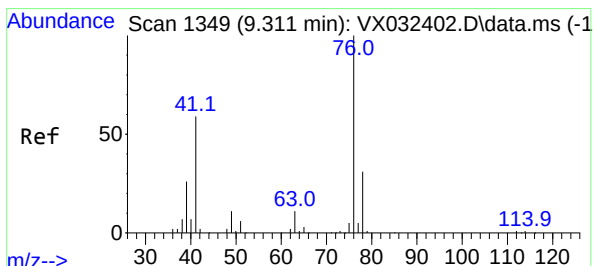
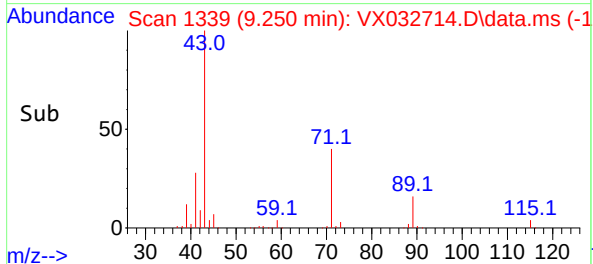
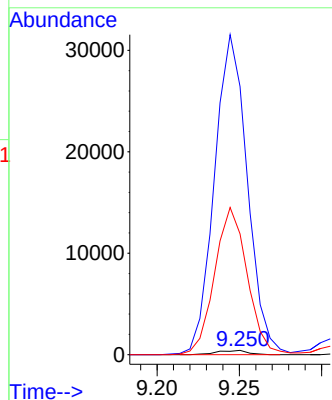
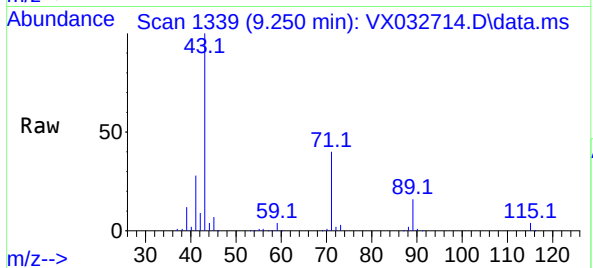




#56
Ethyl methacrylate
Concen: 0.243 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

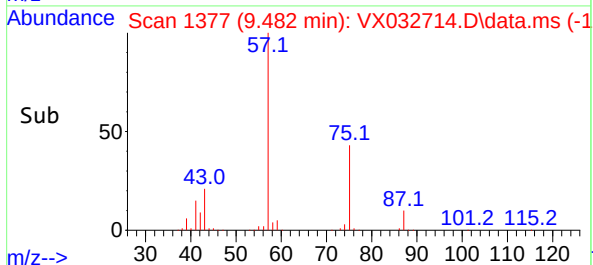
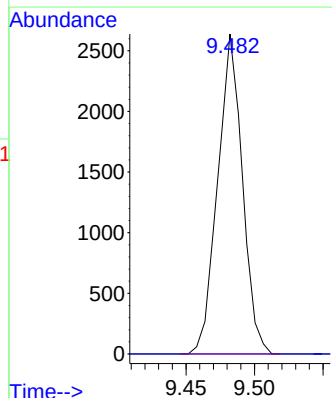
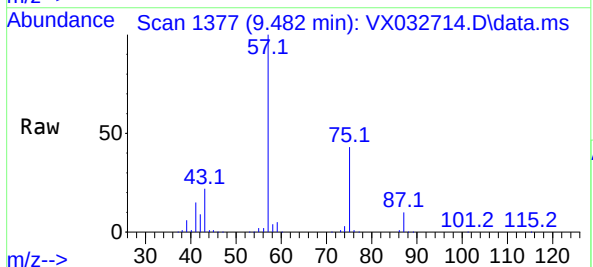
Instrument :
MSVOA_X
ClientSampleId :
NMS-SOIL-1108

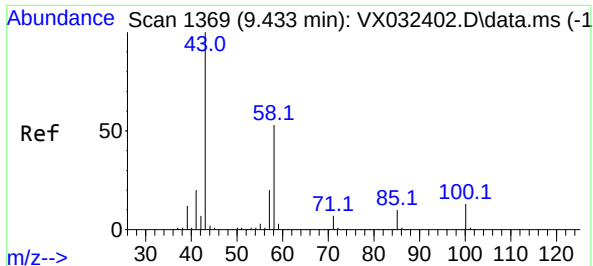
Tgt Ion: 69 Resp: 548
Ion Ratio Lower Upper
69 100
41 8029.4 54.3 81.5#
39 3657.5 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.303 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

Tgt Ion: 76 Resp: 3303
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 31.252 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX032714.D

Acq: 10 Nov 2022 07:59

Instrument :

MSVOA_X

ClientSampleId :

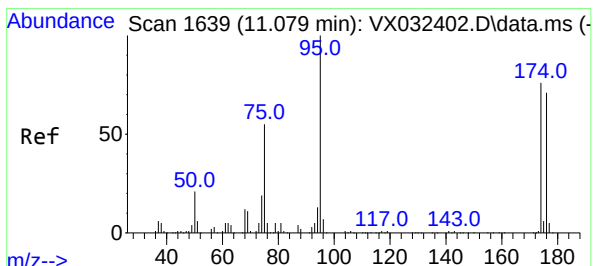
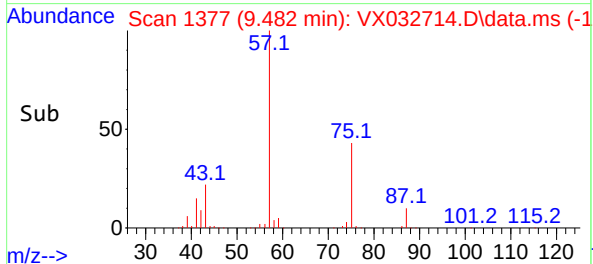
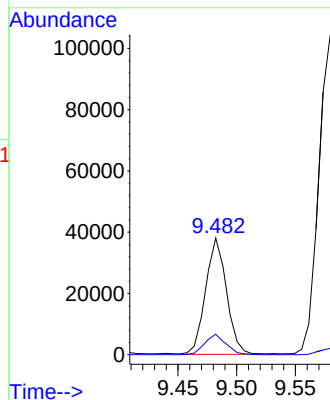
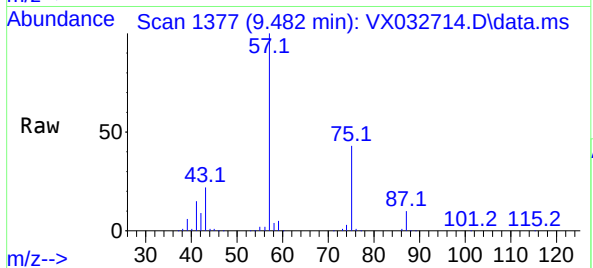
NMS-SOIL-1108

Tgt Ion: 43 Resp: 47121

Ion Ratio Lower Upper

43 100

58 17.7 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 49.966 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032714.D

Acq: 10 Nov 2022 07:59

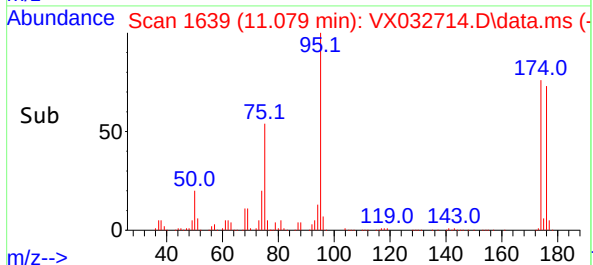
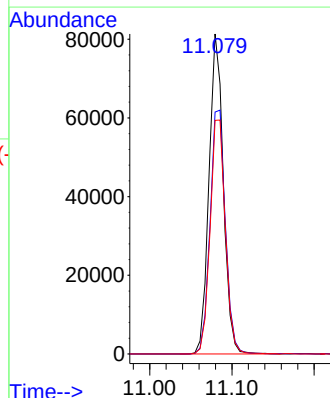
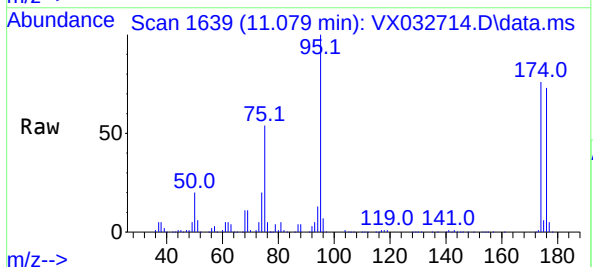
Tgt Ion: 95 Resp: 98378

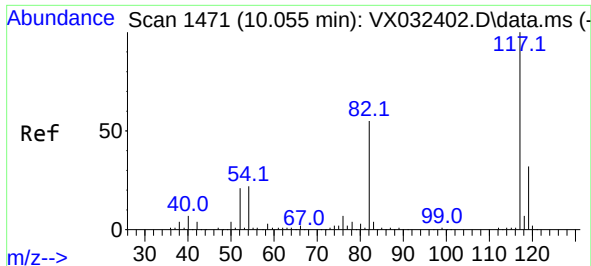
Ion Ratio Lower Upper

95 100

174 81.6 0.0 164.0

176 78.1 0.0 154.4

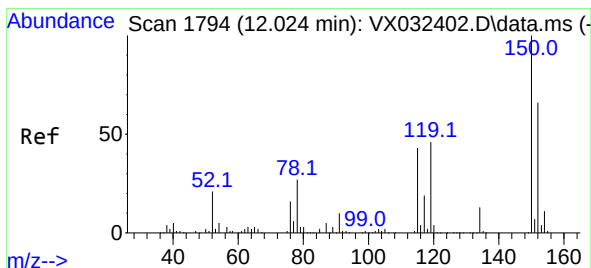
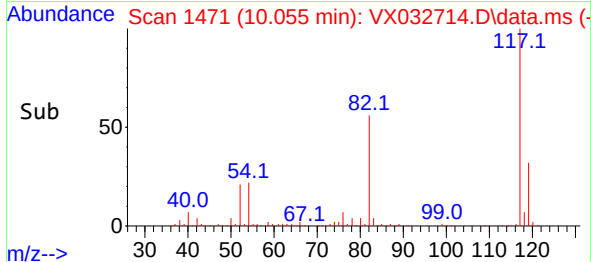
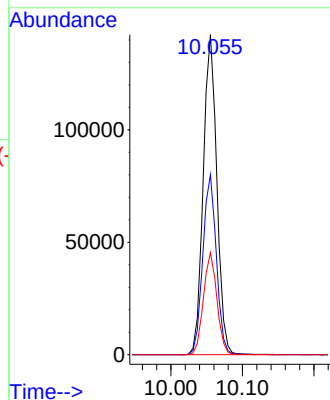
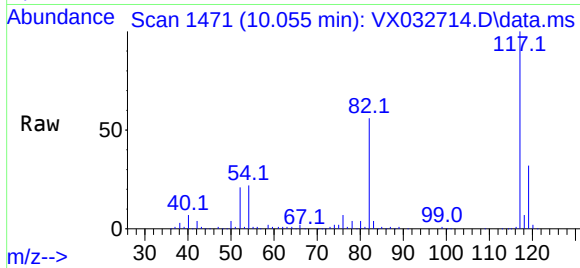




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

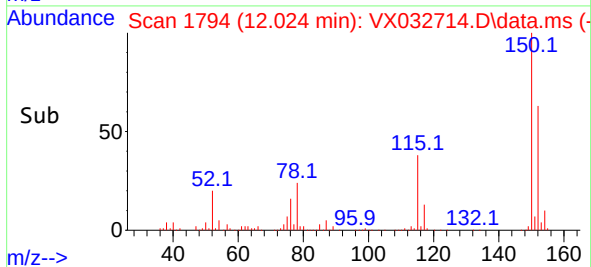
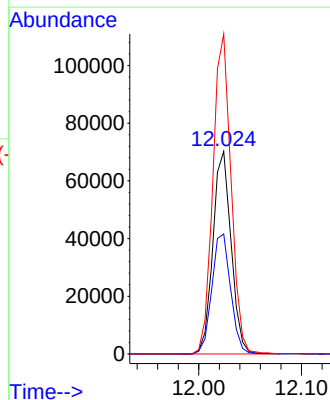
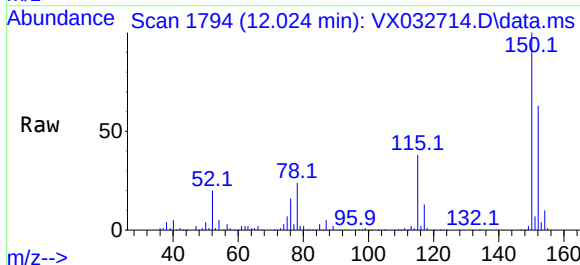
Instrument :
MSVOA_X
ClientSampleId :
NMS-SOIL-1108

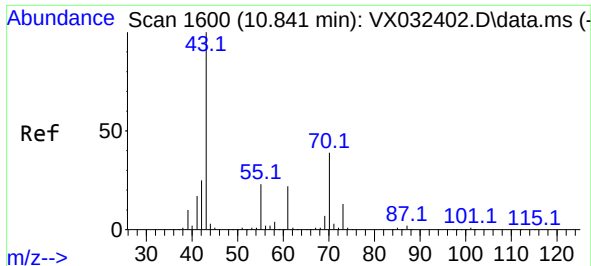
Tgt Ion:117 Resp: 187961
Ion Ratio Lower Upper
117 100
82 56.3 44.3 66.5
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

Tgt Ion:152 Resp: 86395
Ion Ratio Lower Upper
152 100
115 61.1 44.0 132.0
150 157.4 0.0 351.8

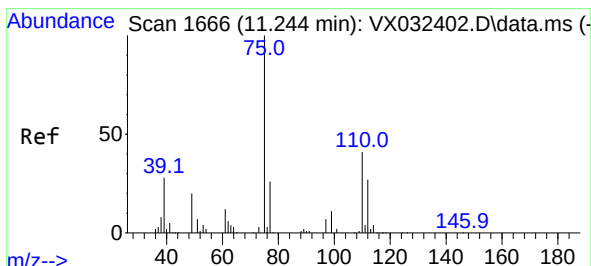
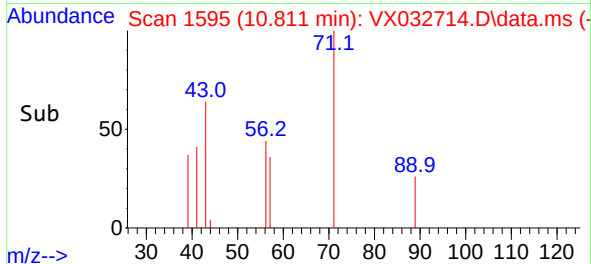
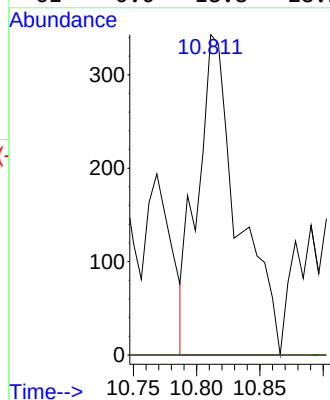
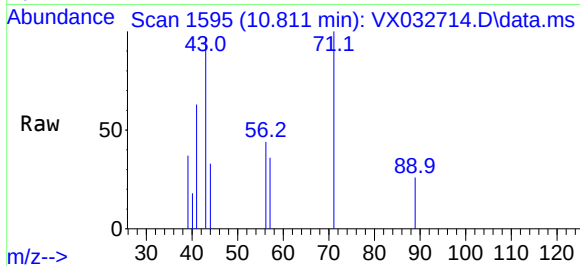




#74
N-amy1 acetate
Concen: 0.296 ug/l
RT: 10.811 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

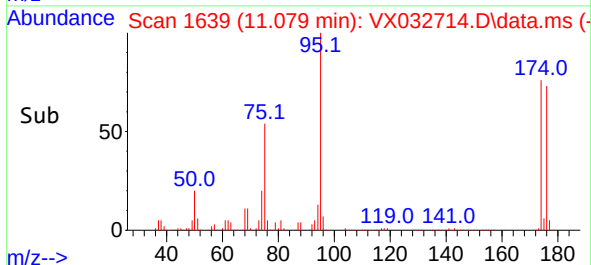
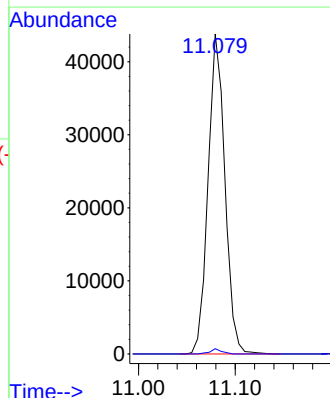
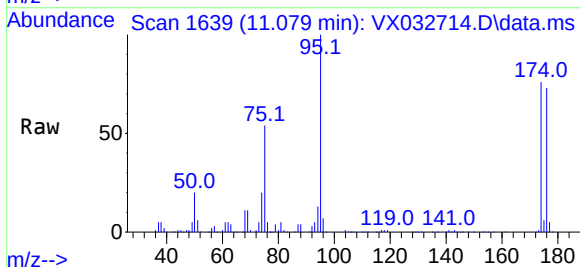
Instrument :
MSVOA_X
ClientSampleId :
NMS-SOIL-1108

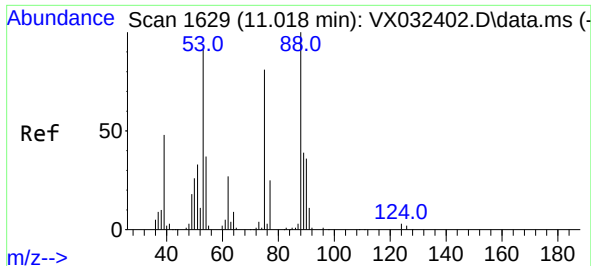
Tgt Ion: 43	Resp: 766
Ion Ratio	Lower Upper
43 100	
70 0.0	33.6 50.4#
55 0.0	19.4 29.2#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 27.621 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX032714.D
Acq: 10 Nov 2022 07:59

Tgt Ion: 75	Resp:	53090	
Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.0	60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.891 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX032714.D
 Acq: 10 Nov 2022 07:59

Instrument :
 MSVOA_X
 ClientSampleId :
 NMS-SOIL-1108

Tgt Ion: 75 Resp: 53090
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.1 38.3 57.5#

