

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034613.D
 Acq On : 18 Mar 2023 05:40
 Operator : JC/MD
 Sample : 01963-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NYE-SOIL-0316

Quant Time: Mar 20 00:17:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

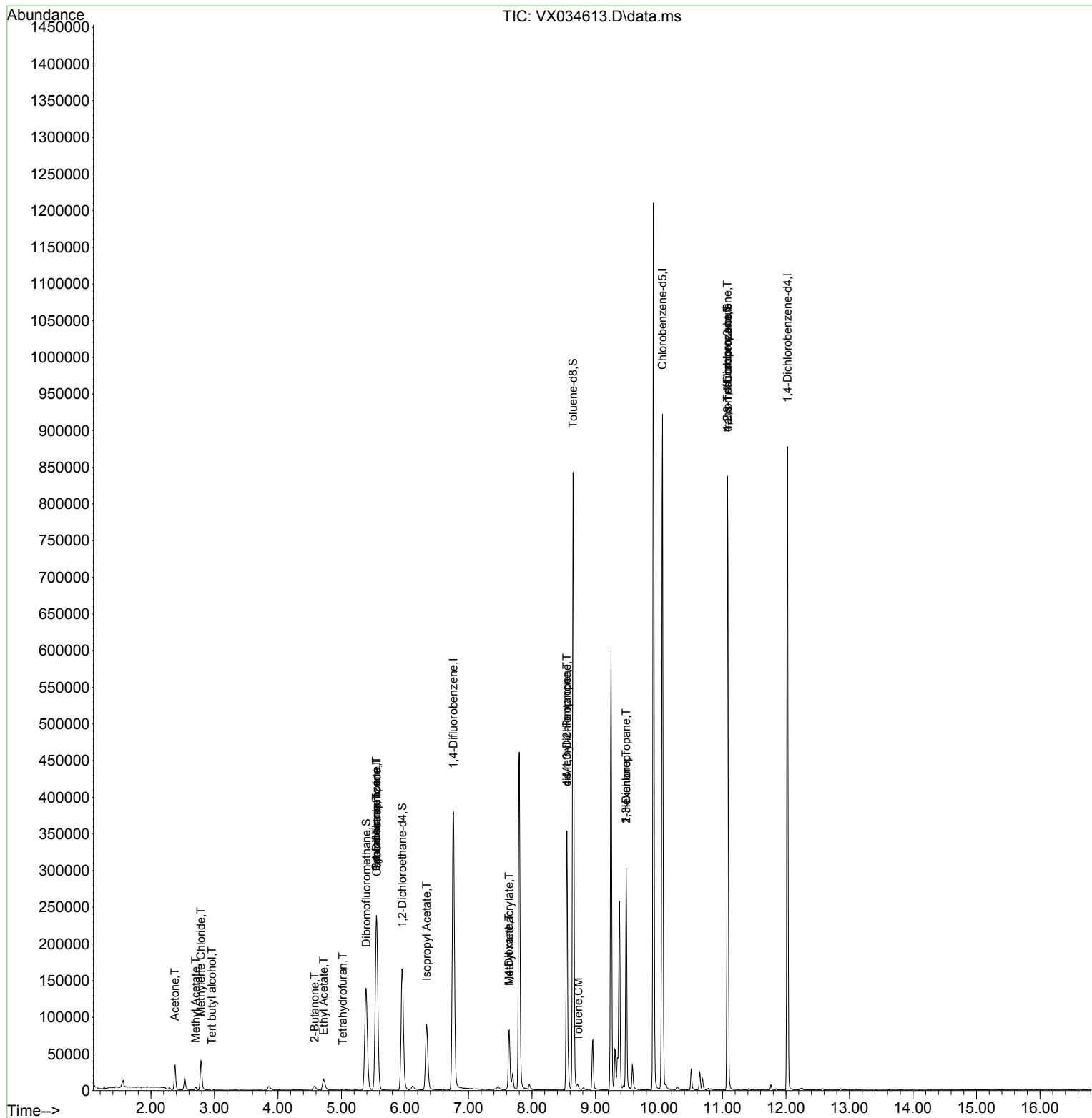
Internal Standards						
1) Pentafluorobenzene	5.550	168	222792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	380943	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	370133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155376	47.938	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.880%
35) Dibromofluoromethane	5.391	113	121121	48.156	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.320%
50) Toluene-d8	8.647	98	470057	50.063	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.120%
62) 4-Bromofluorobenzene	11.079	95	224501	59.195	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	74	Below Cal	#	42
11) Tert butyl alcohol	2.959	59	1725	2.556	ug/l	96
16) Acetone	2.380	43	36043	23.608	ug/l	97
18) Methyl Acetate	2.703	43	4371	0.876	ug/l	100
20) Methylene Chloride	2.788	84	18016	6.080	ug/l	95
25) 2-Butanone	4.574	43	10742	4.917	ug/l #	87
29) Tetrahydrofuran	5.020	42	1414	1.049	ug/l #	58
31) Cyclohexane	5.550	56	5405	1.189	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	18941	4.903	ug/l #	51
37) Ethyl Acetate	4.721	43	29091	6.893	ug/l	98
38) Carbon Tetrachloride	5.556	117	23102	6.011	ug/l #	15
43) Isopropyl Acetate	6.342	43	125916	17.612	ug/l	99
48) Methyl methacrylate	7.641	41	1750	0.509	ug/l #	1
49) 1,4-Dioxane	7.635	88	20	0.277	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	129416	31.203	ug/l #	51
52) Toluene	8.726	92	1846	0.264	ug/l	92
54) cis-1,3-Dichloropropene	8.549	75	52943	11.188	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	2463	0.499	ug/l #	42
59) 2-Hexanone	9.482	43	37992	11.850	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	122233	30.074	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	122233	81.358	ug/l #	8

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

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Quant Time: Mar 20 00:17:29 2023
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Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
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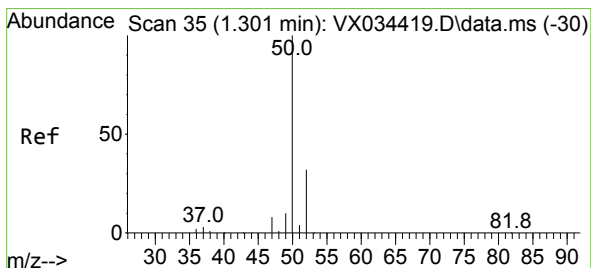
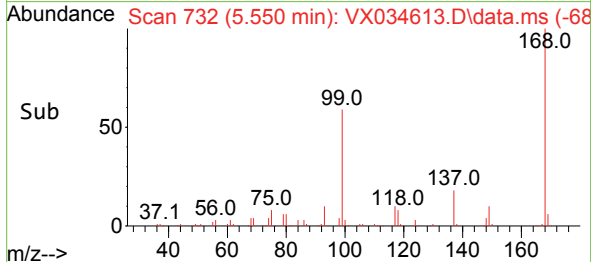
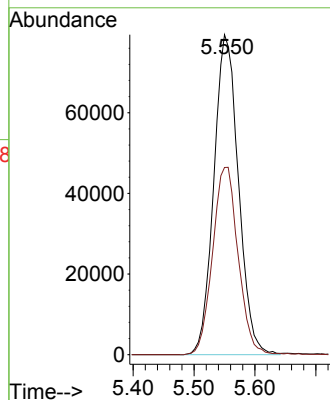
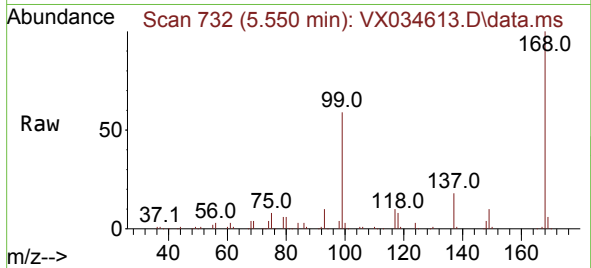




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

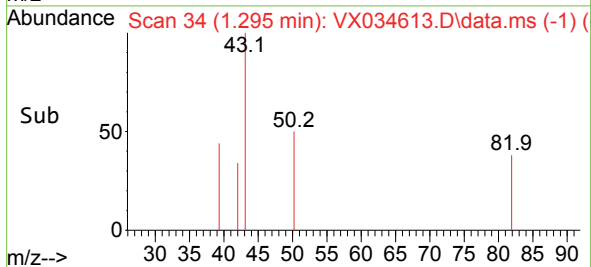
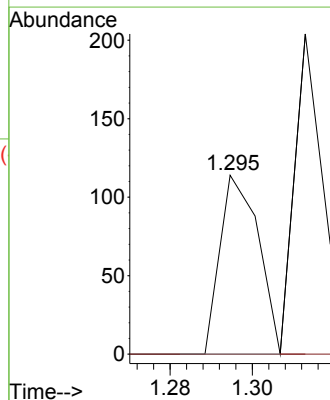
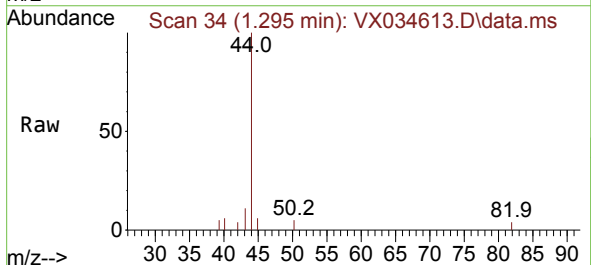
Instrument :
MSVOA_X
ClientSampleId :
NYE-SOIL-0316

Tgt Ion:168 Resp: 222792
Ion Ratio Lower Upper
168 100
99 58.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

Tgt Ion: 50 Resp: 74
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 2.556 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX034613.D

Acq: 18 Mar 2023 05:40

Instrument :

MSVOA_X

ClientSampleId :

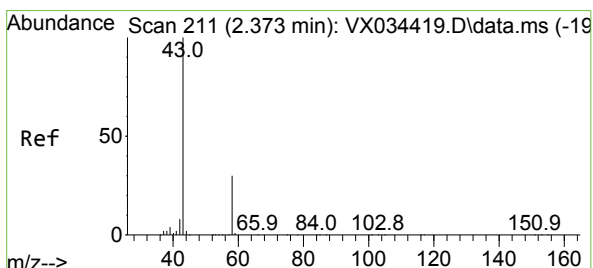
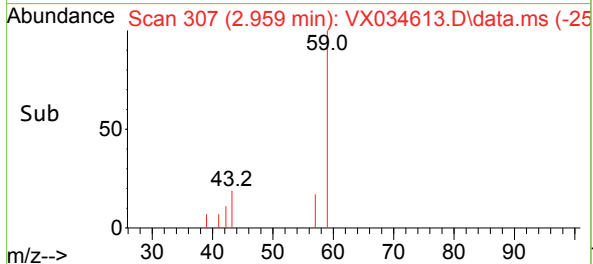
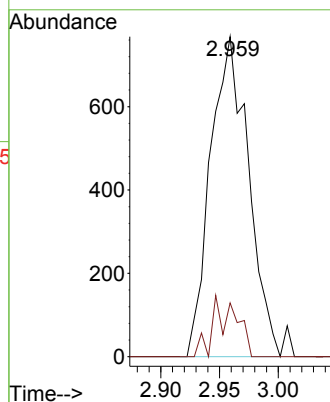
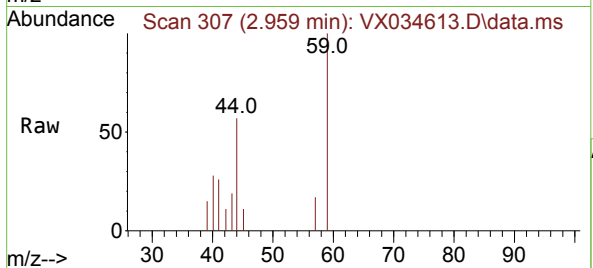
NYE-SOIL-0316

Tgt Ion: 59 Resp: 1725

Ion Ratio Lower Upper

59 100

57 11.8 8.1 12.1



#16

Acetone

Concen: 23.608 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034613.D

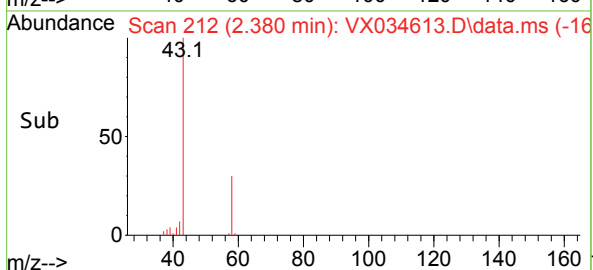
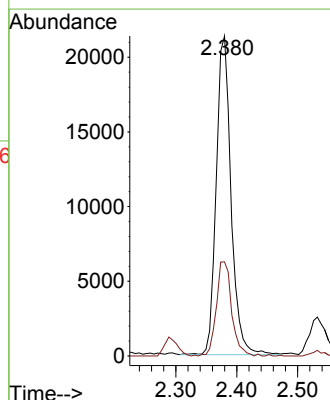
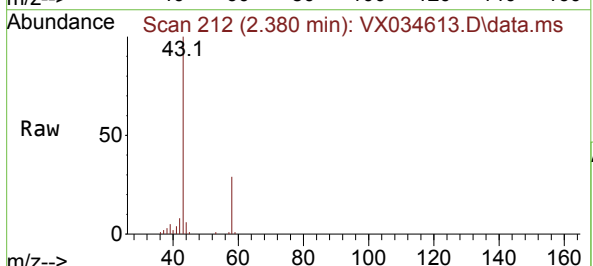
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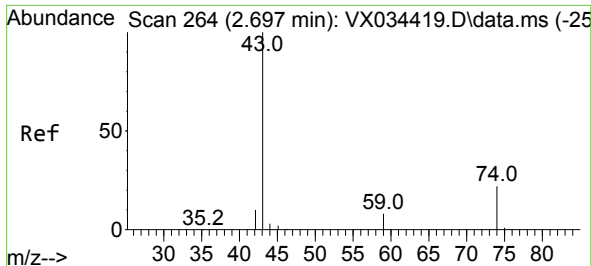
Tgt Ion: 43 Resp: 36043

Ion Ratio Lower Upper

43 100

58 29.2 24.7 37.1

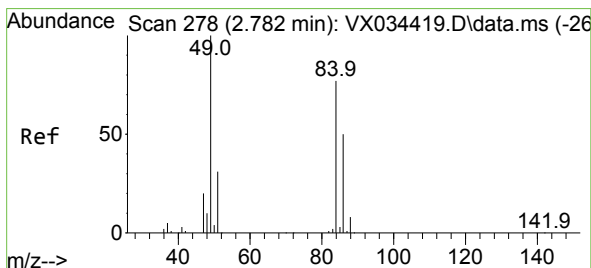
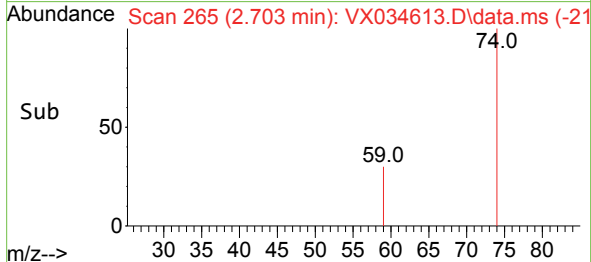
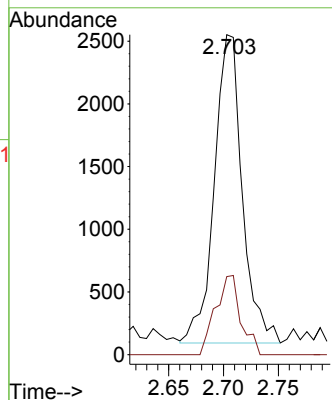
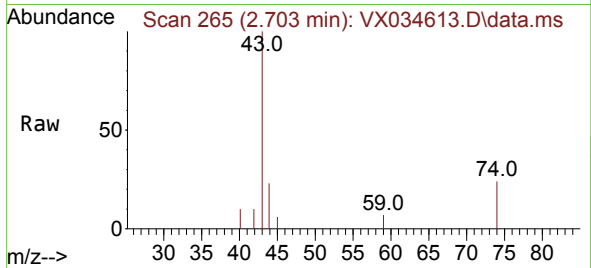




#18
Methyl Acetate
Concen: 0.876 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

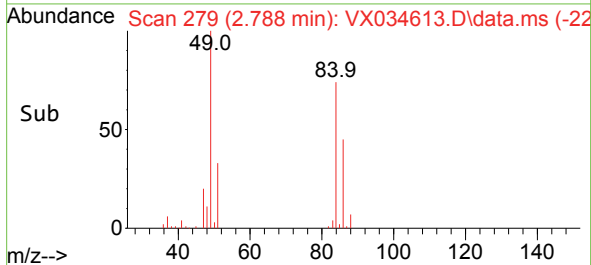
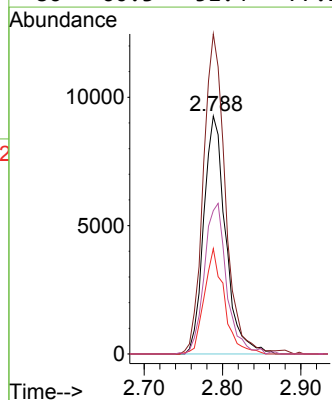
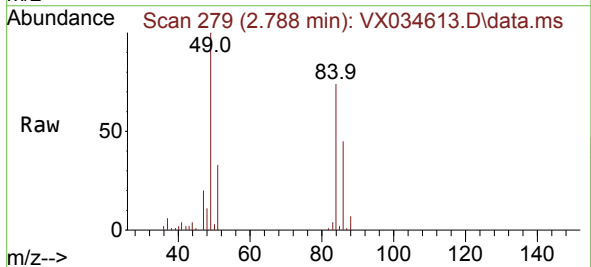
Instrument :
MSVOA_X
ClientSampleId :
NYE-SOIL-0316

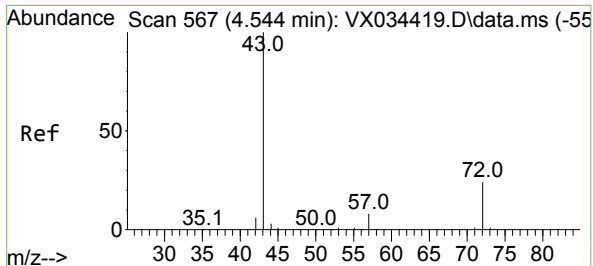
Tgt Ion: 43 Resp: 4371
Ion Ratio Lower Upper
43 100
74 23.0 18.3 27.5



#20
Methylene Chloride
Concen: 6.080 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

Tgt Ion: 84 Resp: 18016
Ion Ratio Lower Upper
84 100
49 134.5 103.8 155.8
51 44.2 31.8 47.8
86 60.3 51.4 77.2

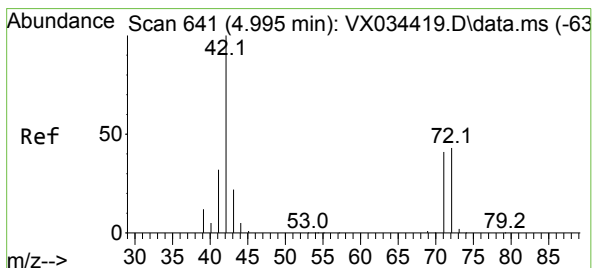
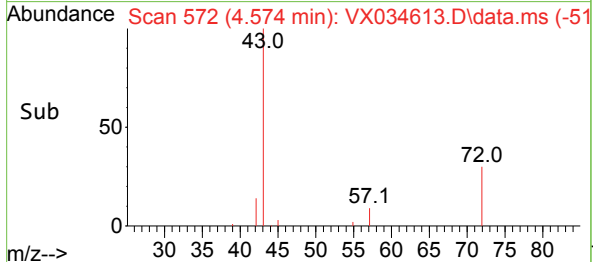
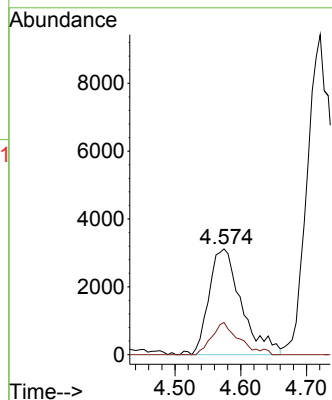
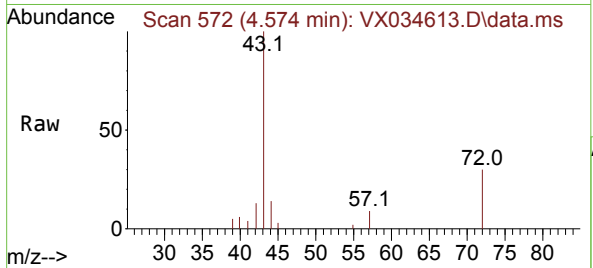




#25
2-Butanone
Concen: 4.917 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

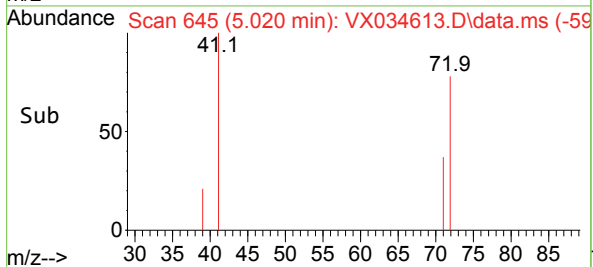
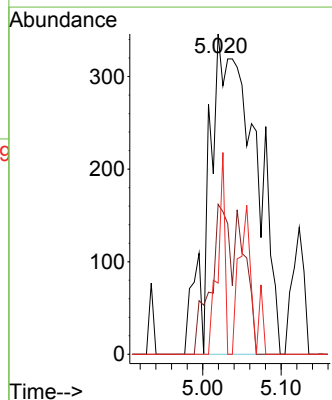
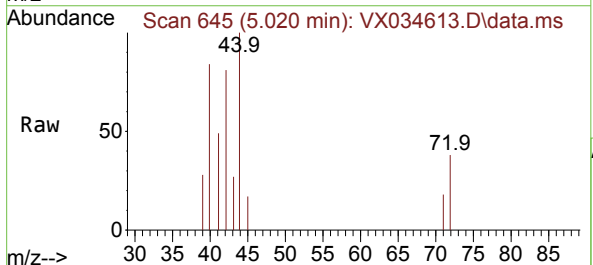
Instrument :
MSVOA_X
ClientSampleId :
NYE-SOIL-0316

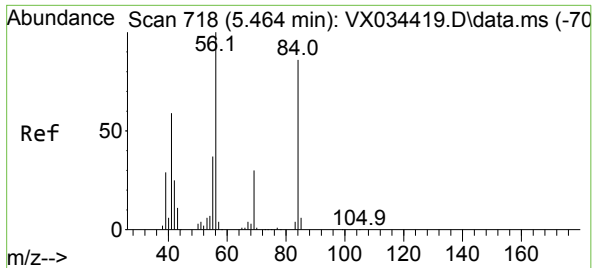
Tgt Ion: 43 Resp: 10742
Ion Ratio Lower Upper
43 100
72 30.4 19.3 28.9#



#29
Tetrahydrofuran
Concen: 1.049 ug/l
RT: 5.020 min Scan# 645
Delta R.T. 0.025 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

Tgt Ion: 42 Resp: 1414
Ion Ratio Lower Upper
42 100
72 20.0 34.5 51.7#
71 9.7 32.1 48.1#

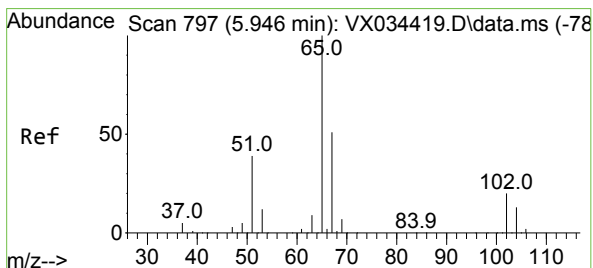
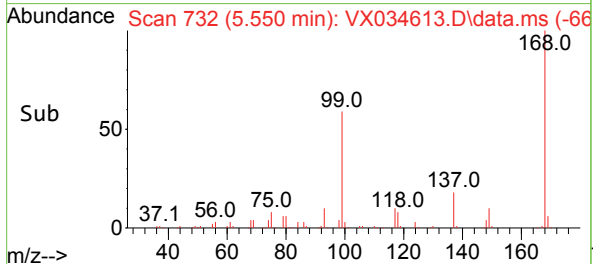
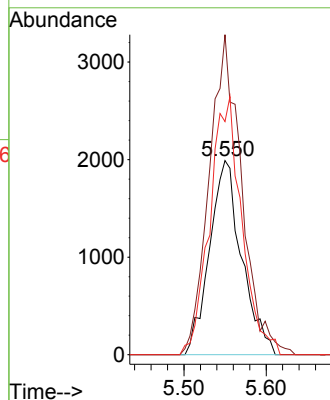
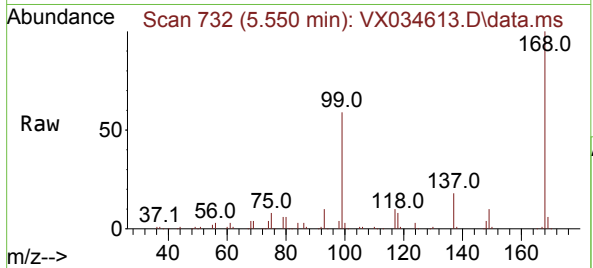




#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

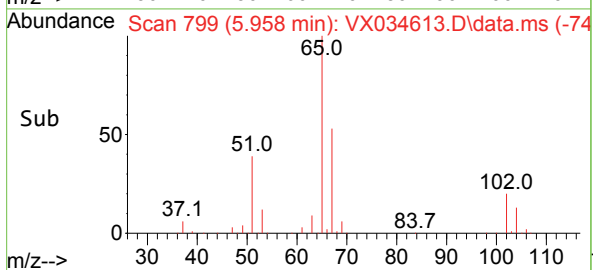
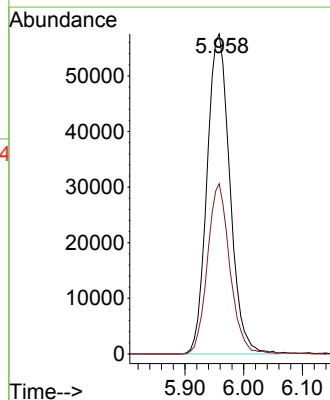
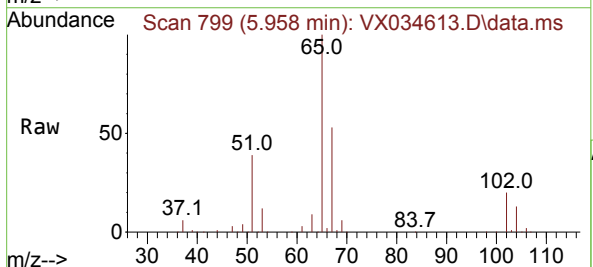
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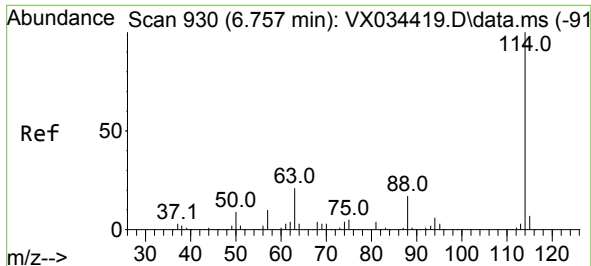
Tgt Ion: 56 Resp: 5405
Ion Ratio Lower Upper
56 100
69 164.9 23.7 35.5#
84 120.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.938 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

Tgt Ion: 65 Resp: 155376
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0

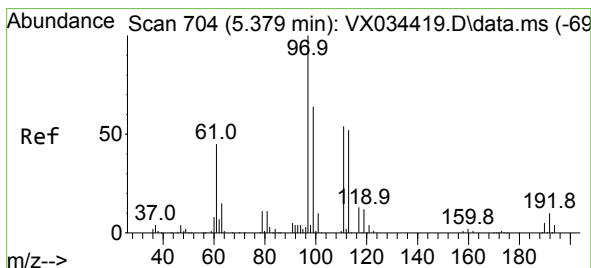
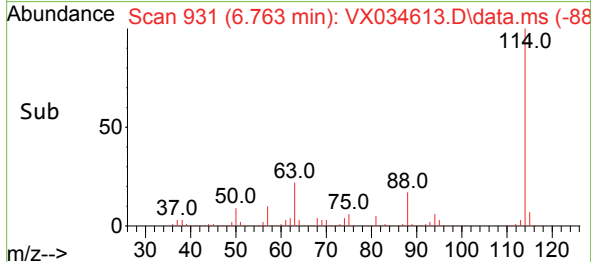
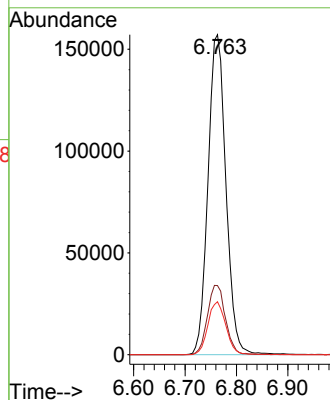
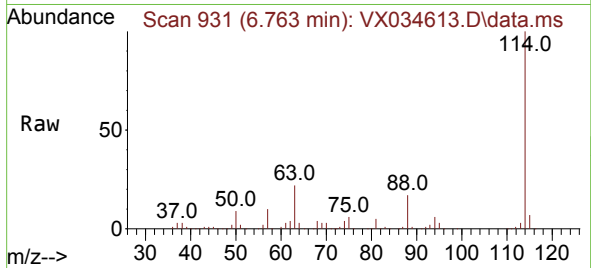




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

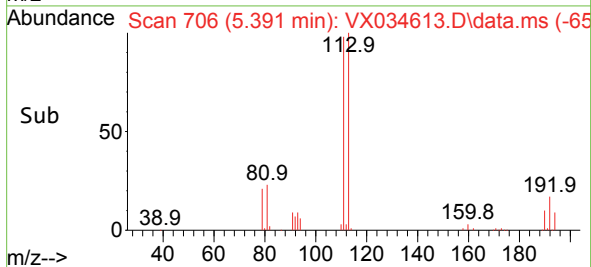
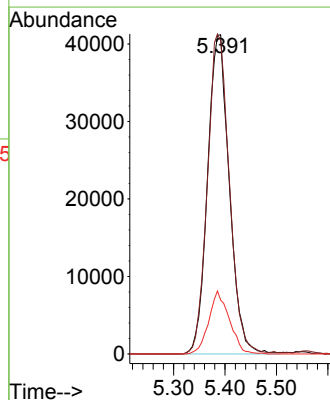
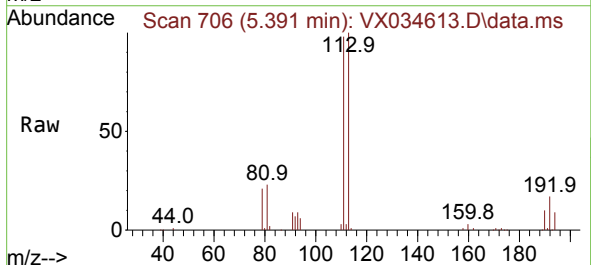
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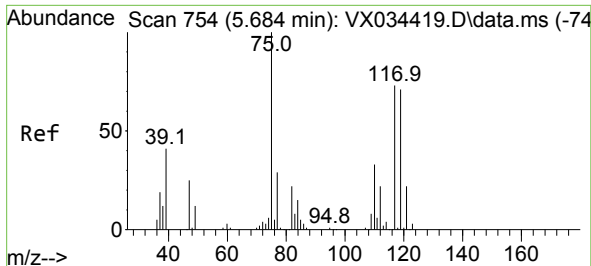
Tgt Ion:114 Resp: 380943
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.2
88 16.6 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.156 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

Tgt Ion:113 Resp: 121121
Ion Ratio Lower Upper
113 100
111 100.9 83.7 125.5
192 18.7 15.4 23.2

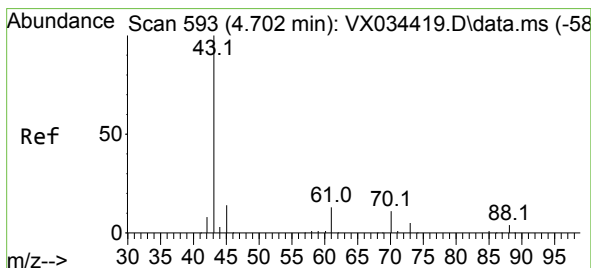
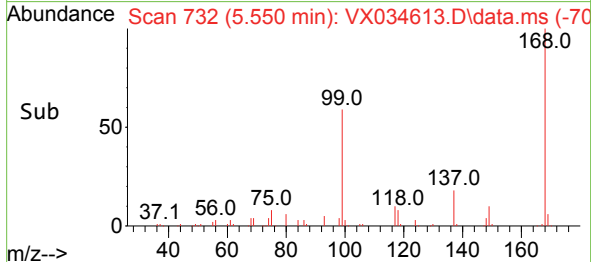
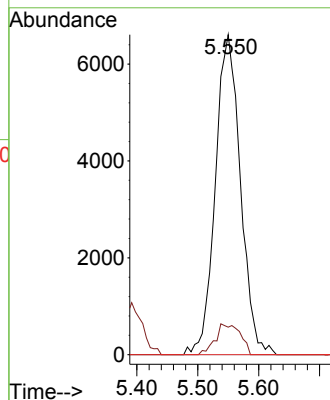
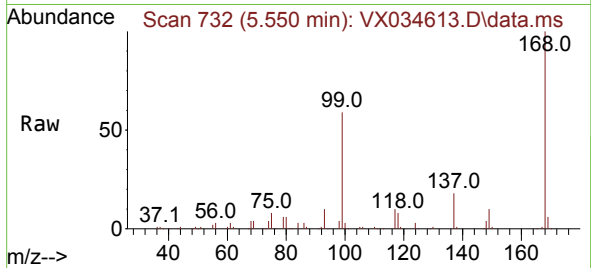




#36
1,1-Dichloropropene
Concen: 4.903 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

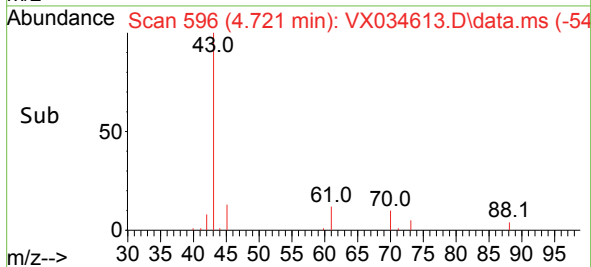
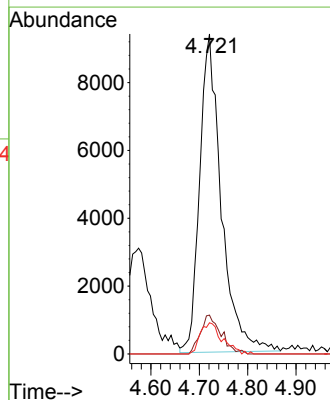
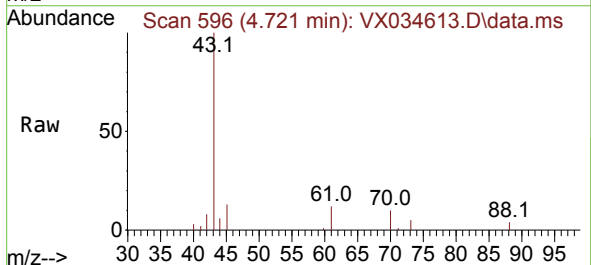
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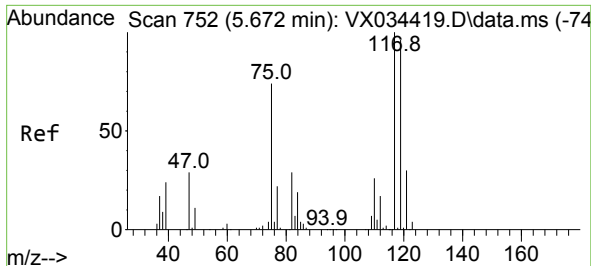
Tgt Ion: 75 Resp: 18941
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 6.893 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

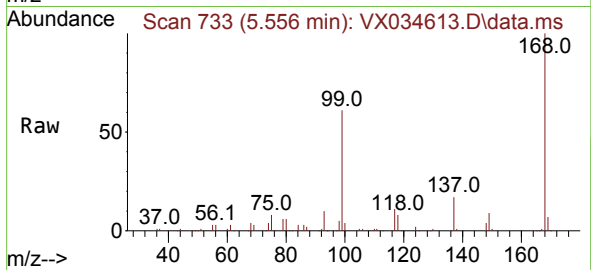
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Ion Ratio Lower Upper
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61 11.7 10.2 15.4
70 10.0 8.2 12.4



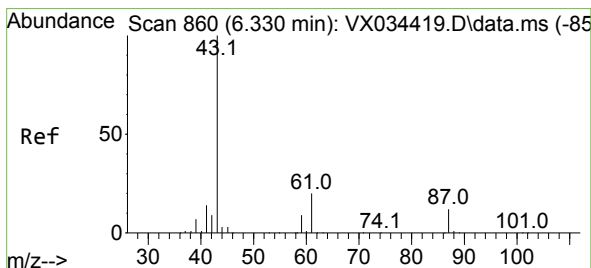
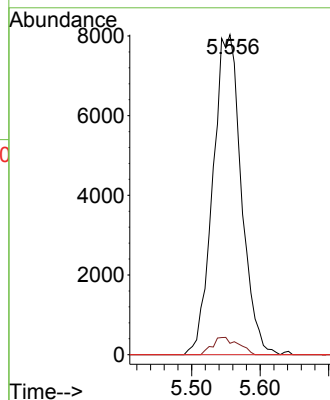
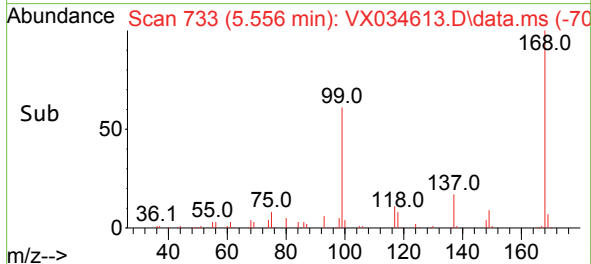


#38
Carbon Tetrachloride
Concen: 6.011 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

Instrument :
MSVOA_X
ClientSampleId :
NYE-SOIL-0316

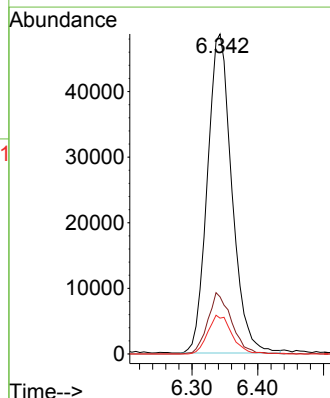
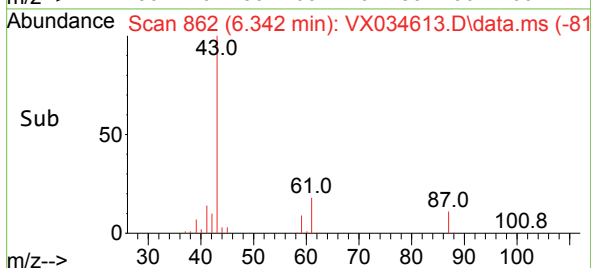
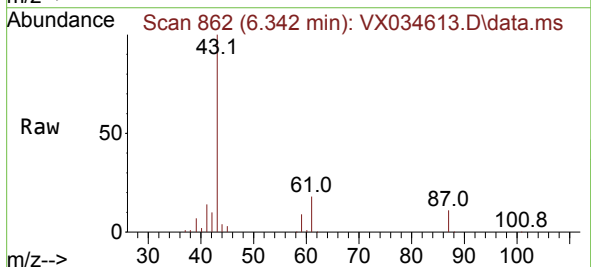


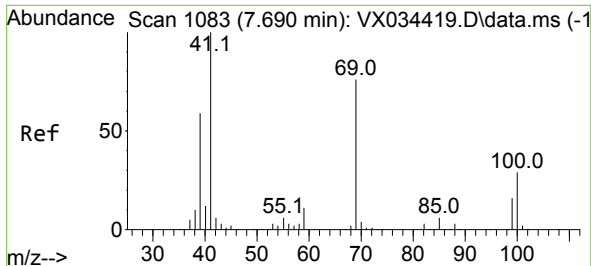
Tgt Ion:117 Resp: 23102
Ion Ratio Lower Upper
117 100
119 3.5 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 17.612 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

Tgt Ion: 43 Resp: 125916
Ion Ratio Lower Upper
43 100
61 18.7 15.2 22.8
87 12.0 9.8 14.8

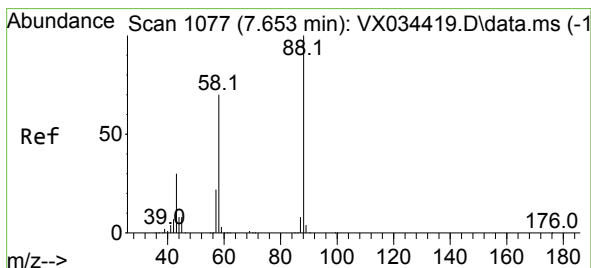
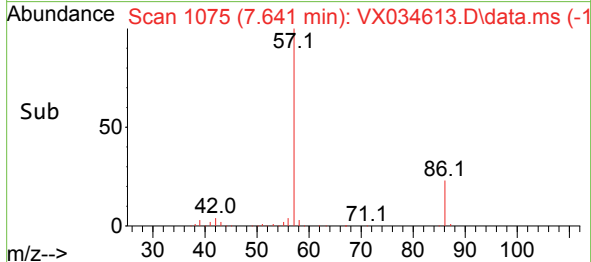
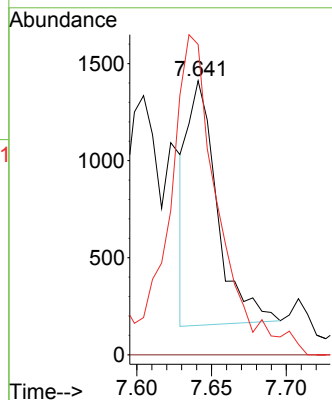
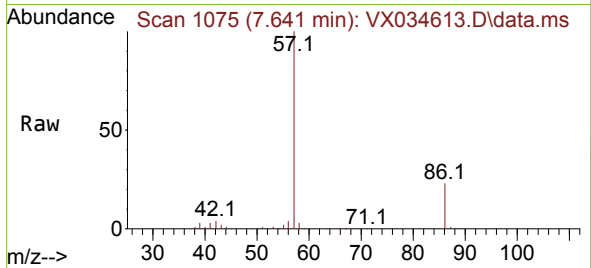




#48
Methyl methacrylate
Concen: 0.509 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.049 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

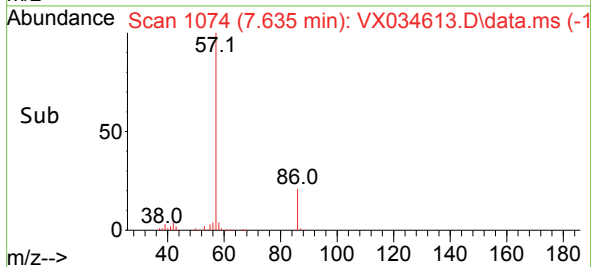
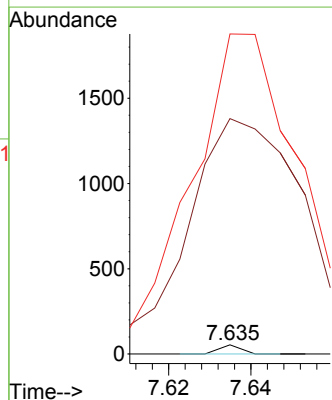
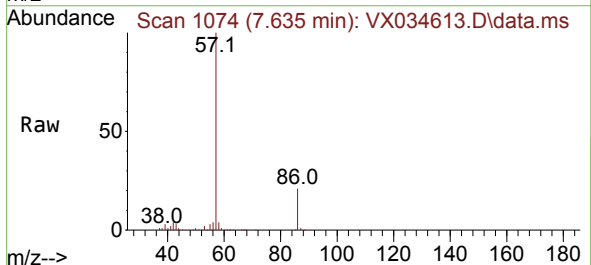
Instrument :
MSVOA_X
ClientSampleId :
NYE-SOIL-0316

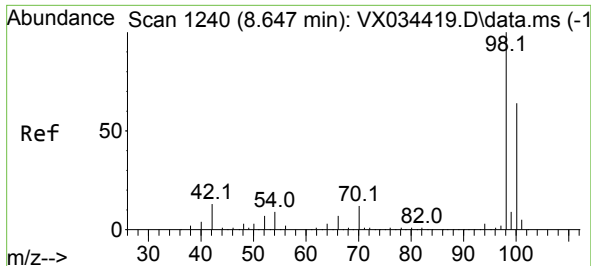
Tgt Ion: 41 Resp: 1750
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 224.2 47.7 71.5#



#49
1,4-Dioxane
Concen: 0.277 ug/l
RT: 7.635 min Scan# 1074
Delta R.T. -0.018 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 17855.0 56.8 85.2#

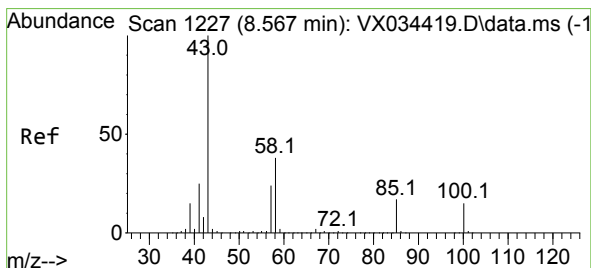
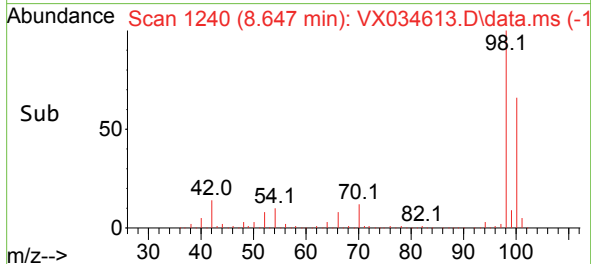
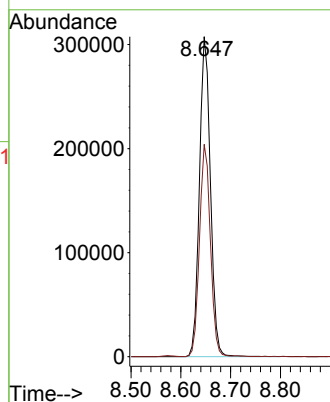
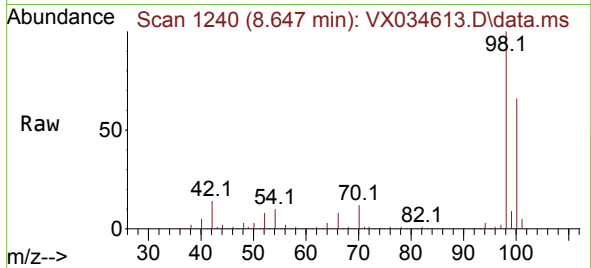




#50
Toluene-d8
Concen: 50.063 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

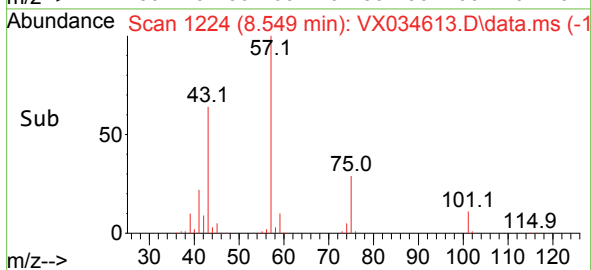
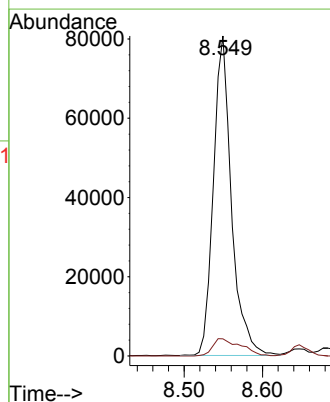
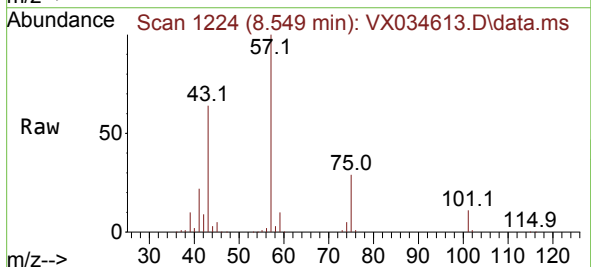
Instrument :
MSVOA_X
ClientSampleId :
NYE-SOIL-0316

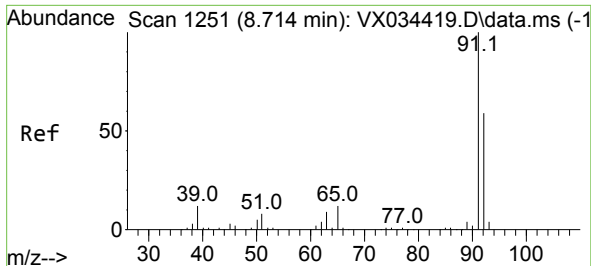
Tgt Ion: 98 Resp: 470057
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 31.203 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

Tgt Ion: 43 Resp: 129416
Ion Ratio Lower Upper
43 100
58 8.4 30.6 46.0#





#52

Toluene

Concen: 0.264 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX034613.D

Acq: 18 Mar 2023 05:40

Instrument :

MSVOA_X

ClientSampleId :

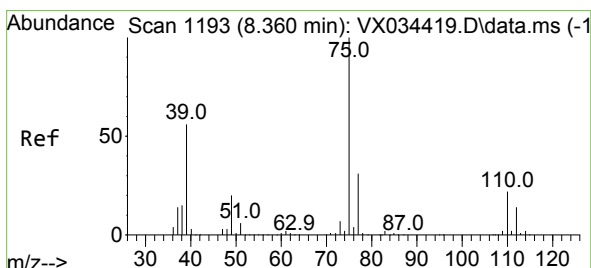
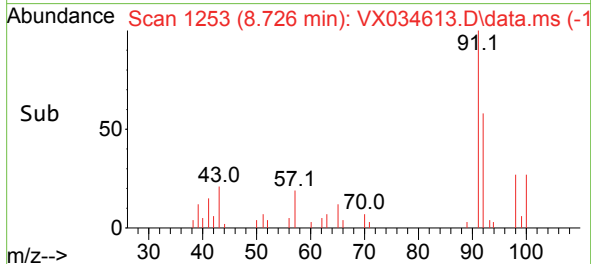
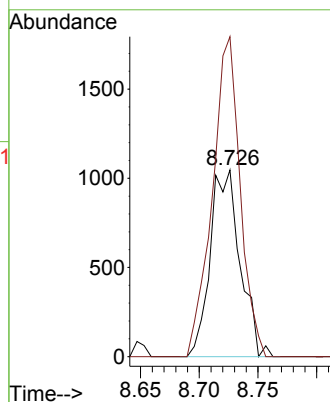
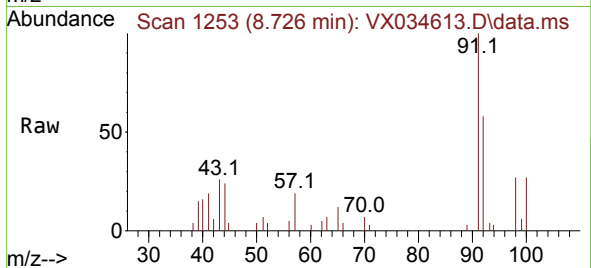
NYE-SOIL-0316

Tgt Ion: 92 Resp: 1846

Ion Ratio Lower Upper

92 100

91 160.3 136.8 205.2



#54

cis-1,3-Dichloropropene

Concen: 11.188 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.189 min

Lab File: VX034613.D

Acq: 18 Mar 2023 05:40

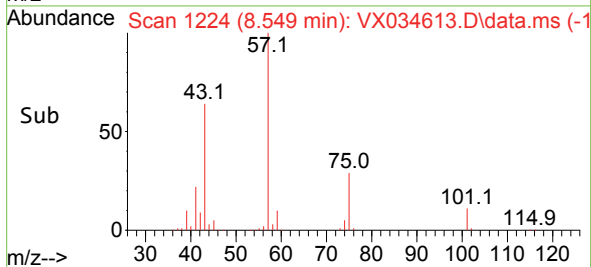
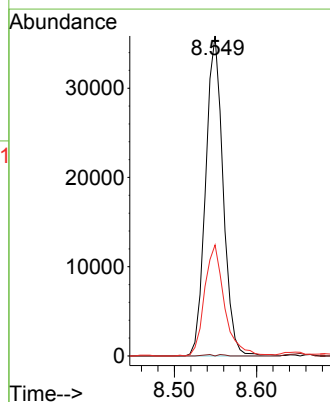
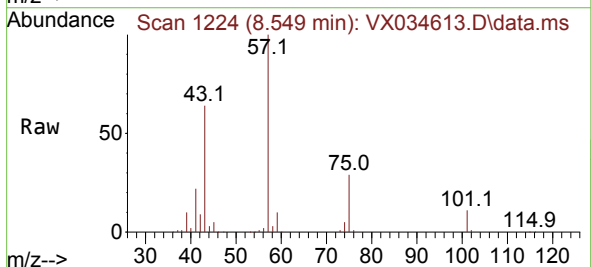
Tgt Ion: 75 Resp: 52943

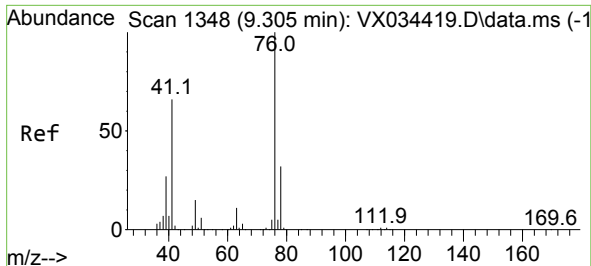
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 34.4 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 0.499 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034613.D

Acq: 18 Mar 2023 05:40

Instrument :

MSVOA_X

ClientSampleId :

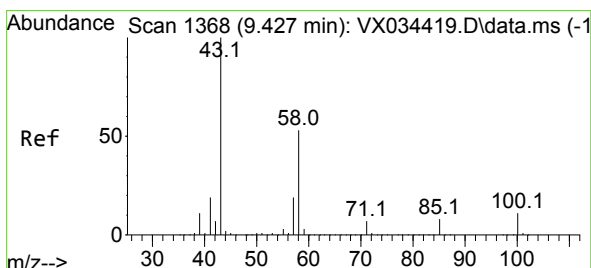
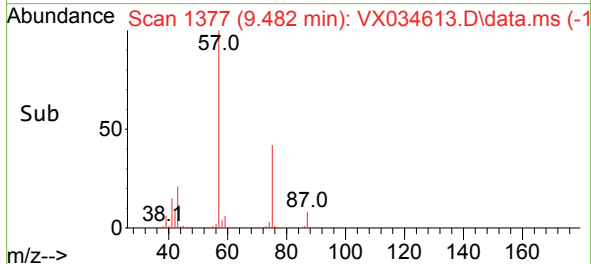
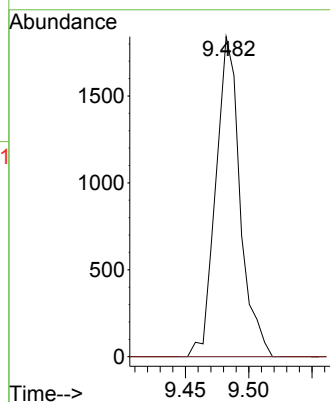
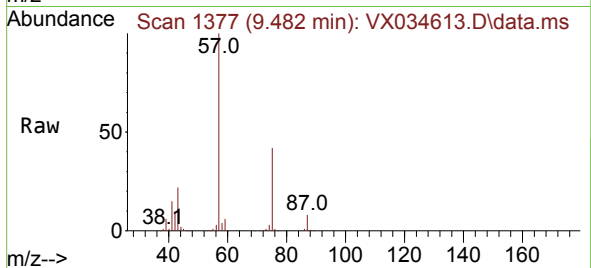
NYE-SOIL-0316

Tgt Ion: 76 Resp: 2463

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 11.850 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034613.D

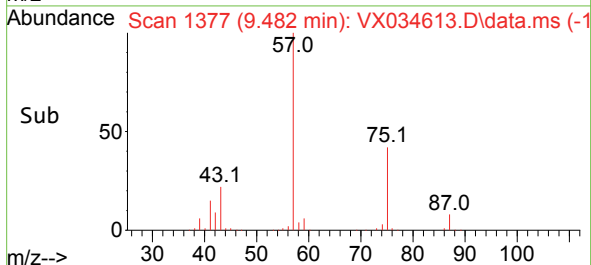
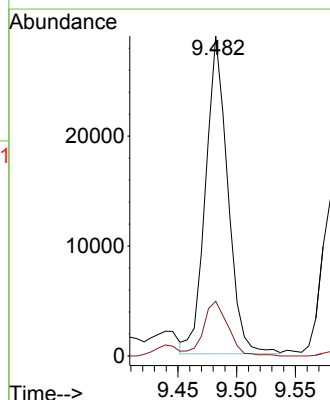
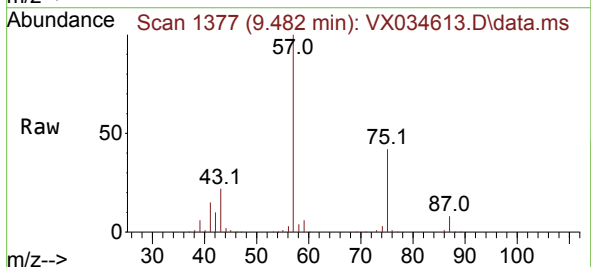
Acq: 18 Mar 2023 05:40

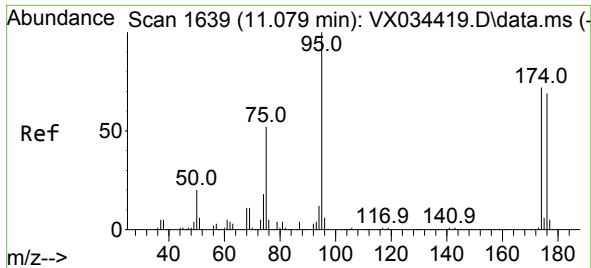
Tgt Ion: 43 Resp: 37992

Ion Ratio Lower Upper

43 100

58 19.2 26.3 78.9#

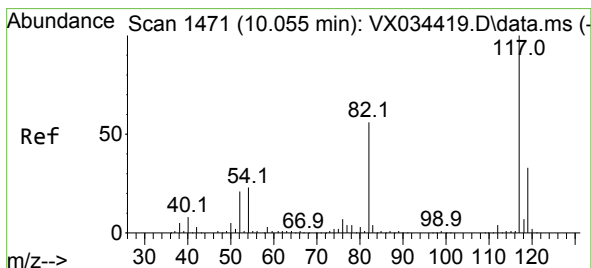
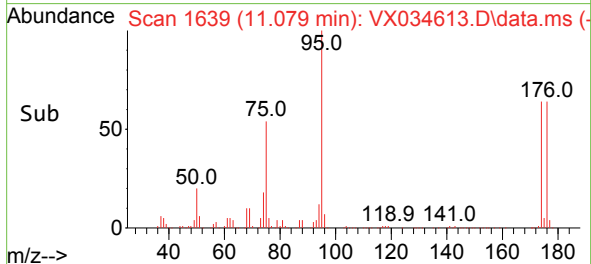
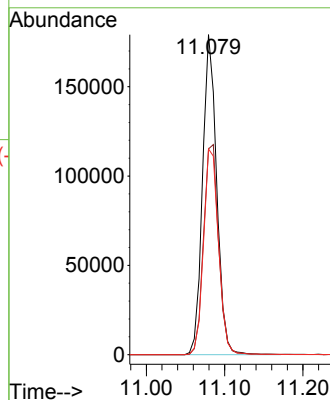
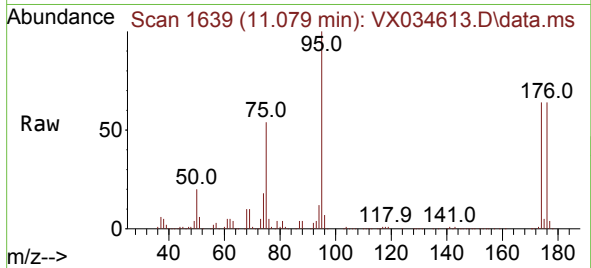




#62
4-Bromofluorobenzene
Concen: 59.195 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

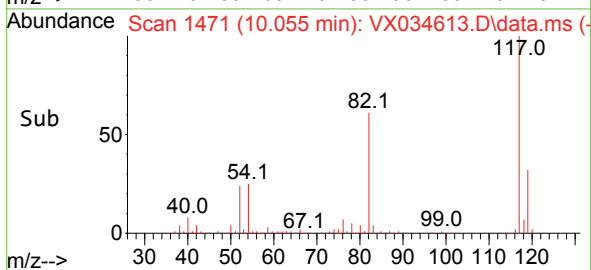
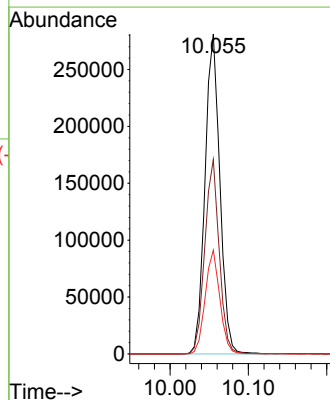
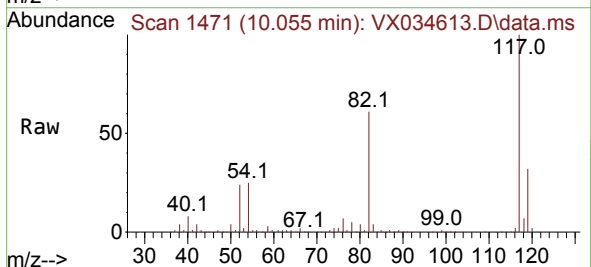
Instrument :
MSVOA_X
ClientSampleId :
NYE-SOIL-0316

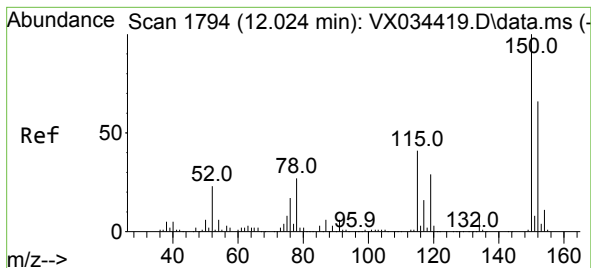
Tgt Ion: 95 Resp: 224501
Ion Ratio Lower Upper
95 100
174 69.8 0.0 147.4
176 68.2 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034613.D
Acq: 18 Mar 2023 05:40

Tgt Ion: 117 Resp: 370133
Ion Ratio Lower Upper
117 100
82 60.7 45.0 67.4
119 32.5 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034613.D

Acq: 18 Mar 2023 05:40

Instrument :

MSVOA_X

ClientSampleId :

NYE-SOIL-0316

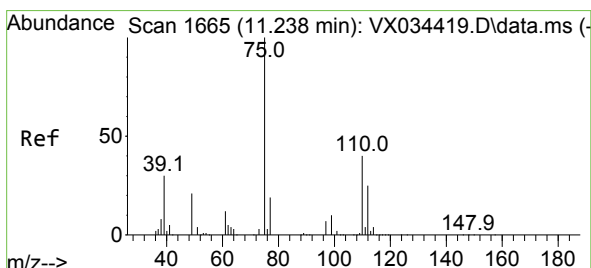
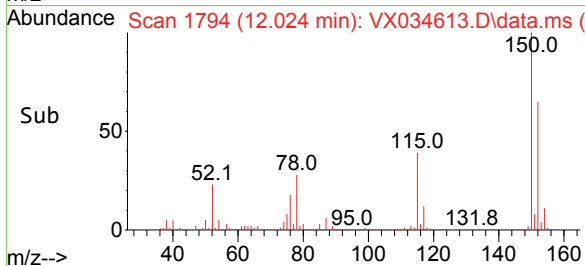
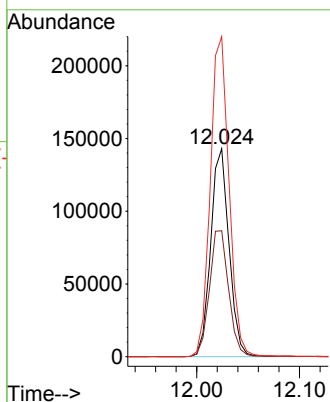
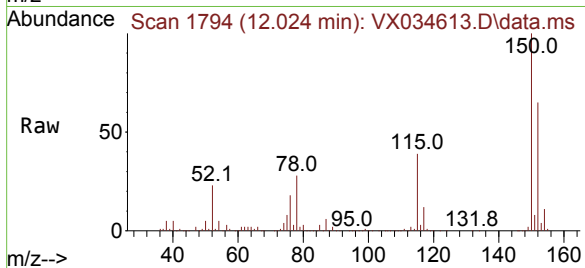
Tgt Ion:152 Resp: 177015

Ion Ratio Lower Upper

152 100

115 63.8 45.0 135.0

150 157.9 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 30.074 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034613.D

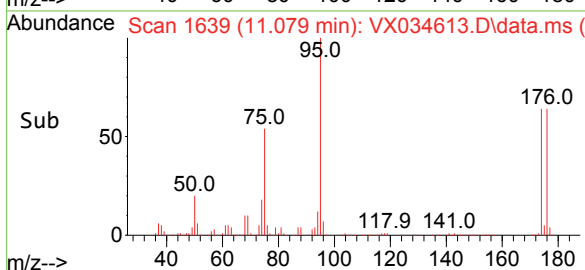
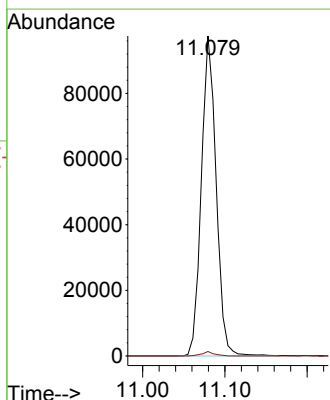
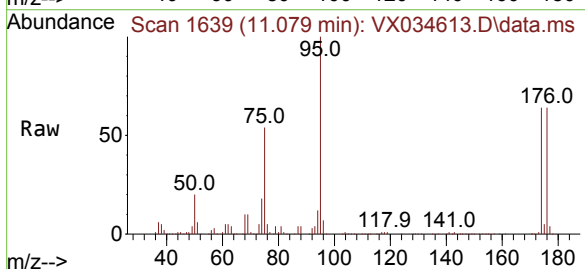
Acq: 18 Mar 2023 05:40

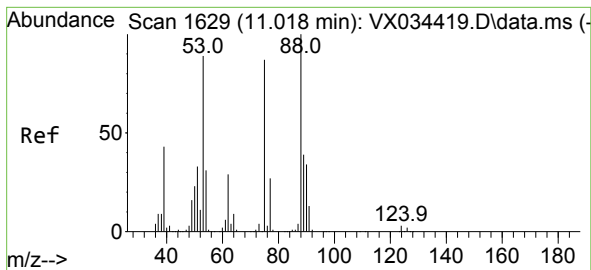
Tgt Ion: 75 Resp: 122233

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.358 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034613.D
 Acq: 18 Mar 2023 05:40

Instrument :
 MSVOA_X
 ClientSampleId :
 NYE-SOIL-0316

Tgt Ion: 75 Resp: 122233
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

