

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033446.D
 Acq On : 15 Dec 2022 16:45
 Operator : JC/MD
 Sample : N6067-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-SOIL-20221214

Quant Time: Dec 16 01:04:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

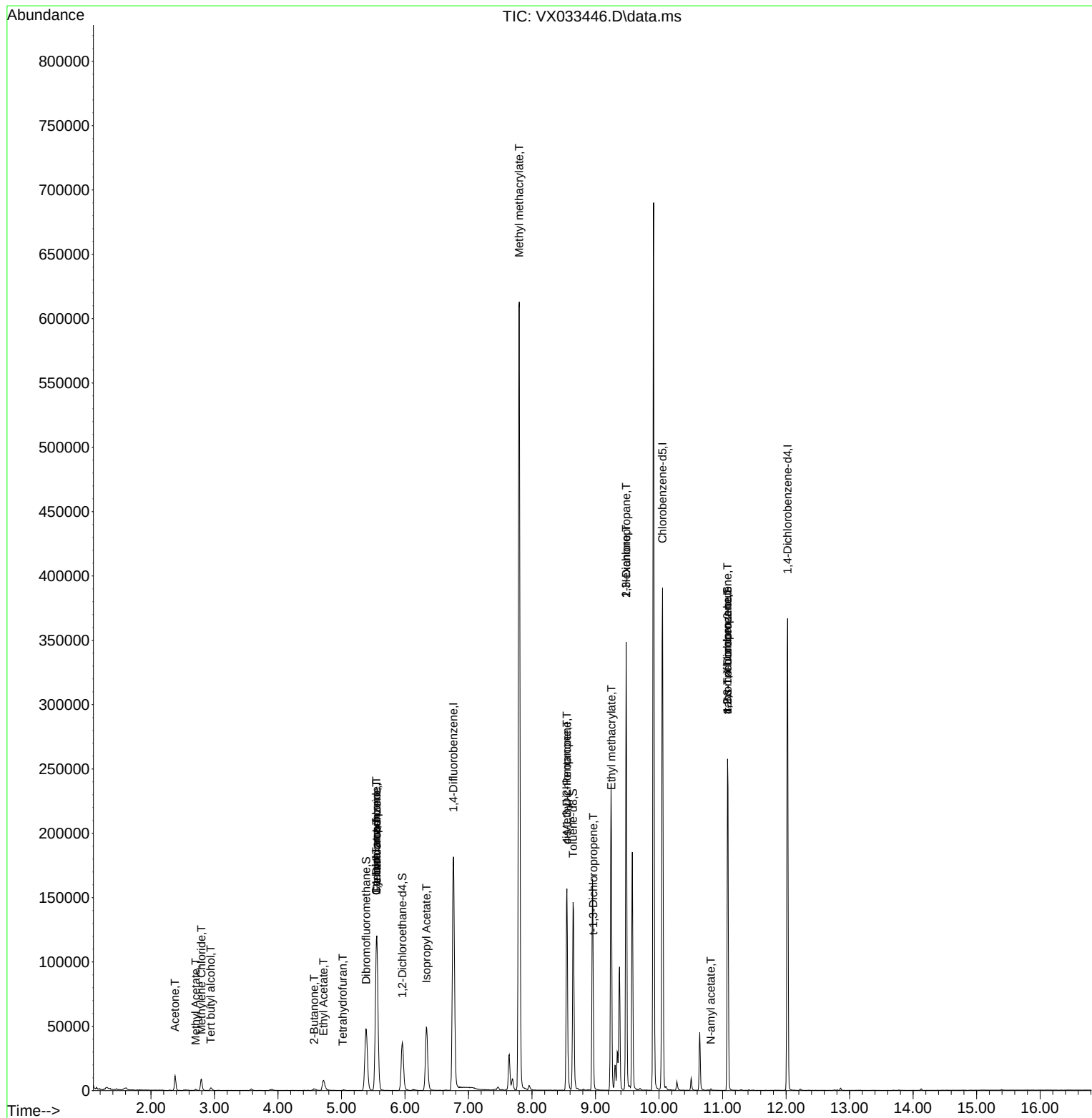
Internal Standards						
1) Pentafluorobenzene	5.556	168	116865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189465	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38829	51.791	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.580%	
35) Dibromofluoromethane	5.385	113	42408	49.764	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.520%	
50) Toluene-d8	8.647	98	88562	49.678	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.360%	
62) 4-Bromofluorobenzene	11.079	95	68474	50.235	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	1518	6.623	ug/l #	72
16) Acetone	2.380	43	12294	22.160	ug/l	94
18) Methyl Acetate	2.703	43	1240	0.772	ug/l #	86
20) Methylene Chloride	2.794	84	4365	3.528	ug/l	88
25) 2-Butanone	4.568	43	1958	2.459	ug/l #	79
29) Tetrahydrofuran	5.019	42	362	0.702	ug/l #	59
31) Cyclohexane	5.550	56	2253	1.264	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	8762	5.274	ug/l #	50
37) Ethyl Acetate	4.715	43	13830	8.806	ug/l	98
38) Carbon Tetrachloride	5.550	117	11924	6.406	ug/l #	15
43) Isopropyl Acetate	6.336	43	65913	26.083	ug/l	99
48) Methyl methacrylate	7.799	41	55430	42.501	ug/l #	42
51) 4-Methyl-2-Pentanone	8.549	43	54472	34.086	ug/l #	50
53) t-1,3-Dichloropropene	8.964	75	417	2.706	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	25107	12.825	ug/l #	60
56) Ethyl methacrylate	9.250	69	599	0.323	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2922	1.382	ug/l #	42
59) 2-Hexanone	9.482	43	38938	33.064	ug/l #	52
74) N-amyl acetate	10.817	43	504	0.256	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	35288	21.810	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35288	67.844	ug/l #	6

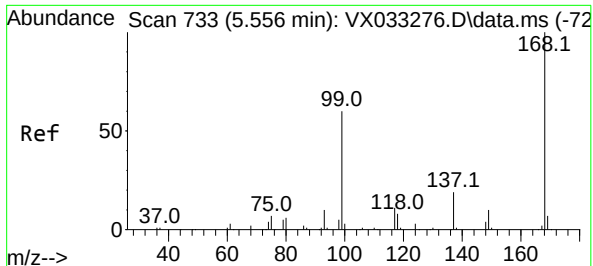
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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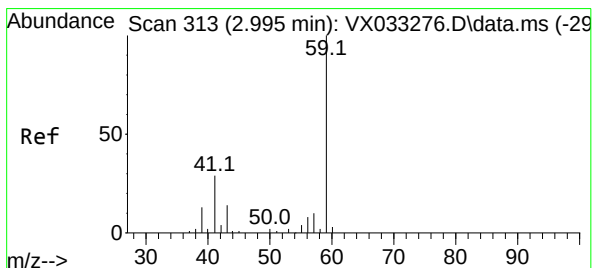
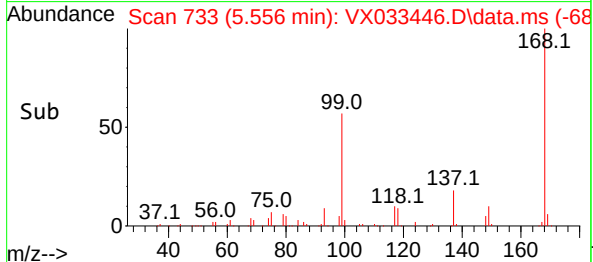
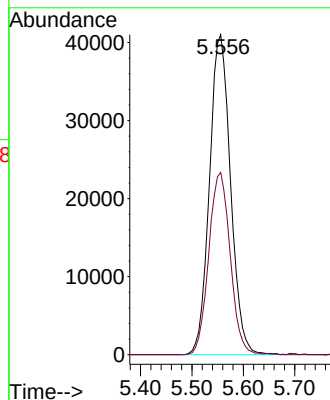
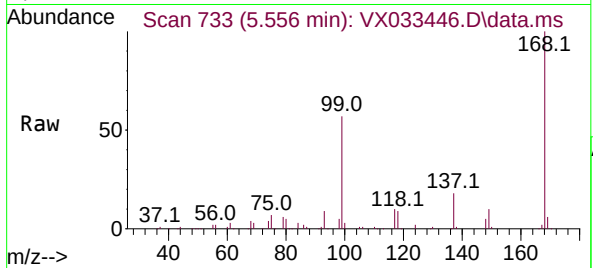




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

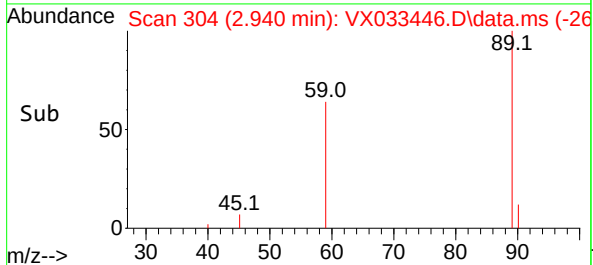
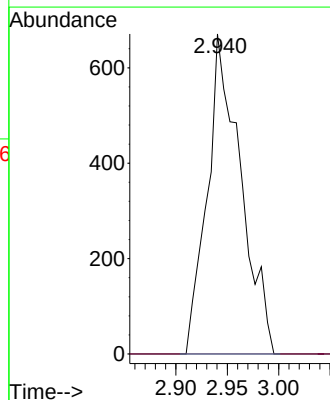
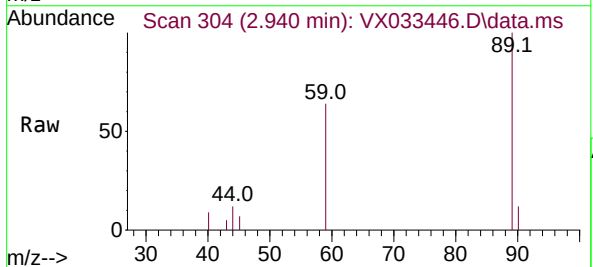
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20221214

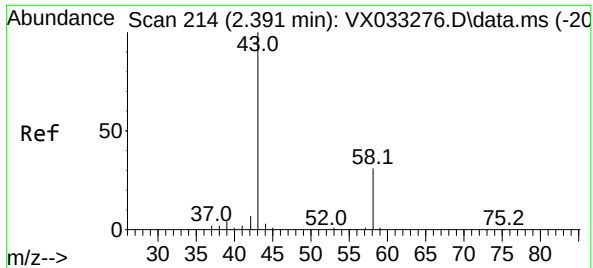
Tgt Ion:168 Resp: 116865
Ion Ratio Lower Upper
168 100
99 56.9 46.1 69.1



#11
Tert butyl alcohol
Concen: 6.623 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

Tgt Ion: 59 Resp: 1518
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

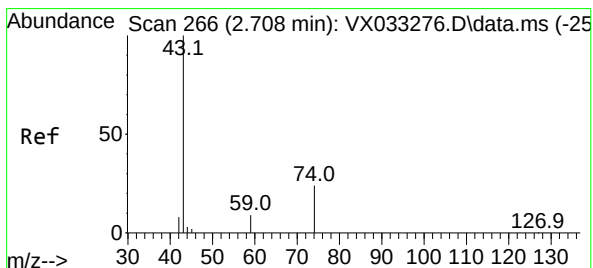
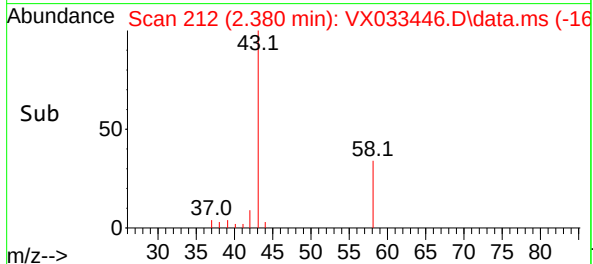
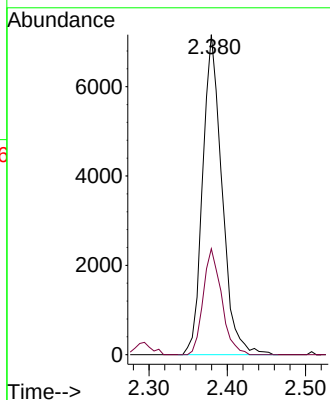
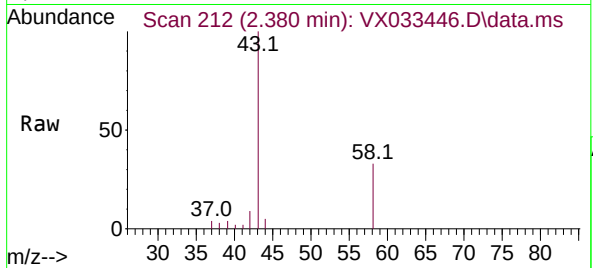




#16
Acetone
Concen: 22.160 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

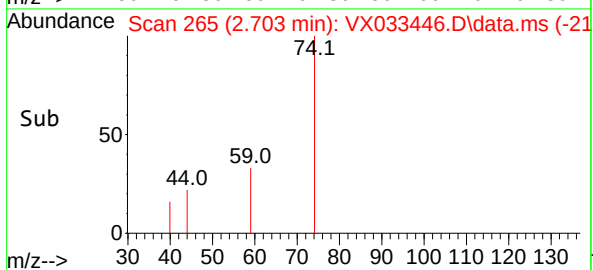
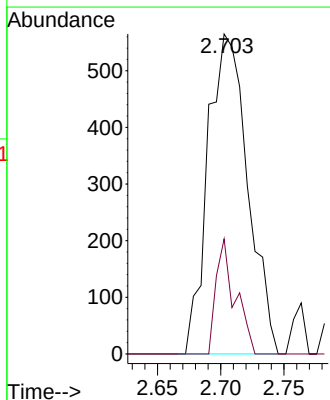
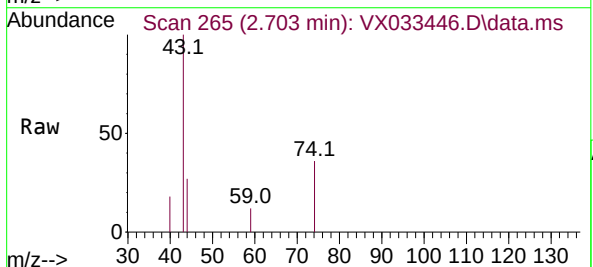
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20221214

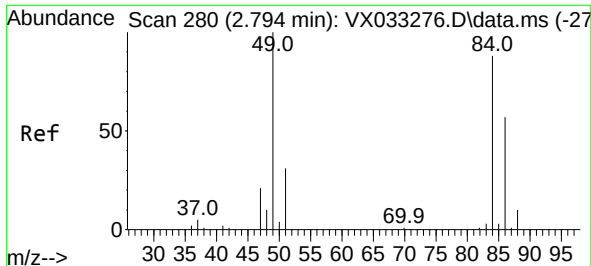
Tgt Ion: 43 Resp: 12294
Ion Ratio Lower Upper
43 100
58 33.1 23.8 35.8



#18
Methyl Acetate
Concen: 0.772 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

Tgt Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
74 17.2 19.4 29.0#

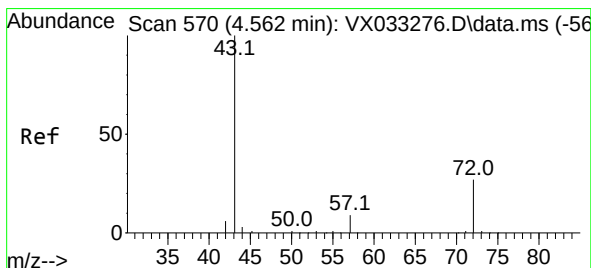
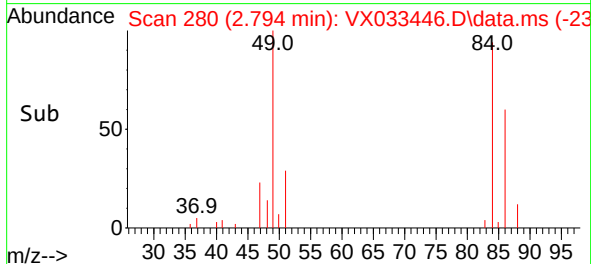
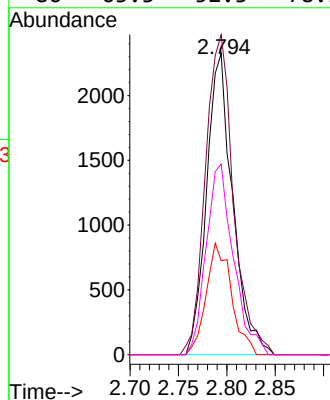
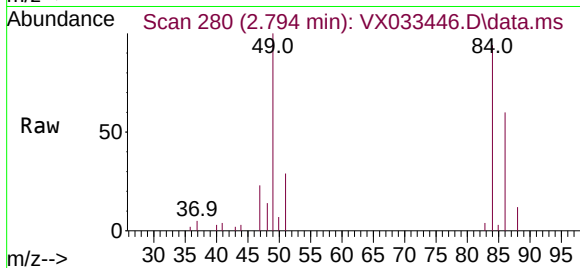




#20
Methylene Chloride
Concen: 3.528 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

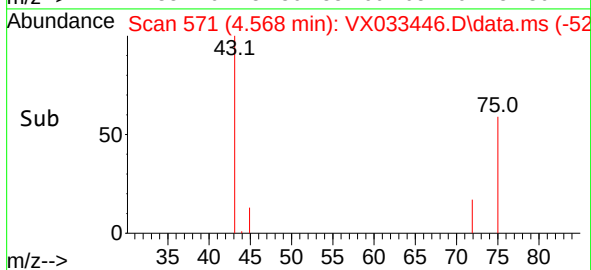
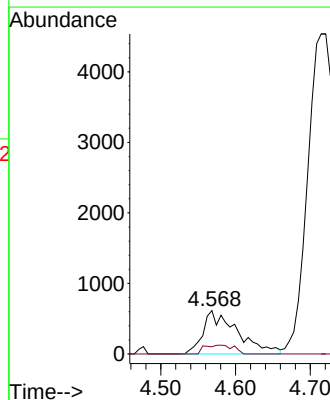
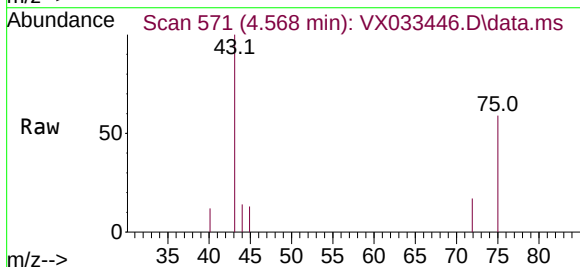
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20221214

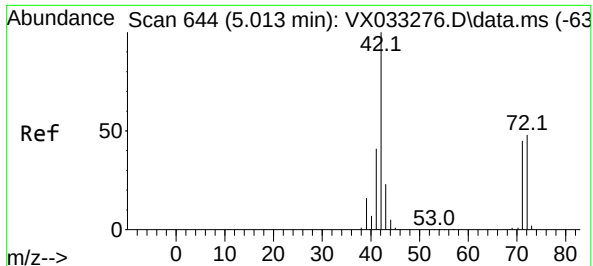
Tgt Ion:	84	Resp:	4365
Ion	Ratio	Lower	Upper
84	100		
49	106.3	101.0	151.6
51	31.2	31.1	46.7
86	63.3	52.3	78.5



#25
2-Butanone
Concen: 2.459 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

Tgt Ion:	43	Resp:	1958
Ion	Ratio	Lower	Upper
43	100		
72	16.7	22.2	33.2#





#29

Tetrahydrofuran

Concen: 0.702 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX033446.D

Acq: 15 Dec 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

WC-SOIL-20221214

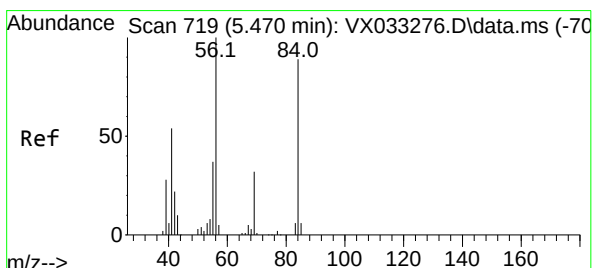
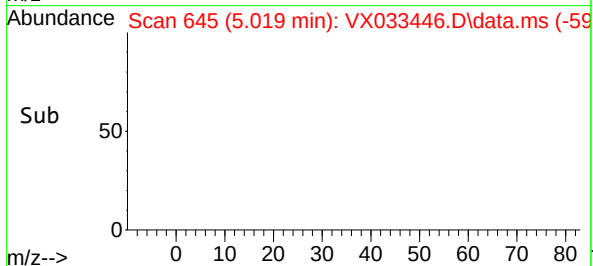
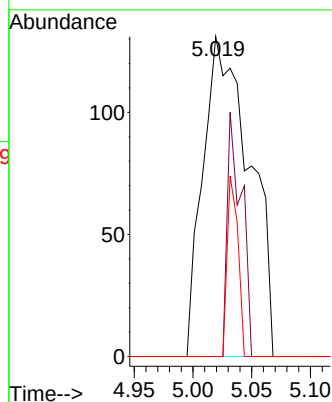
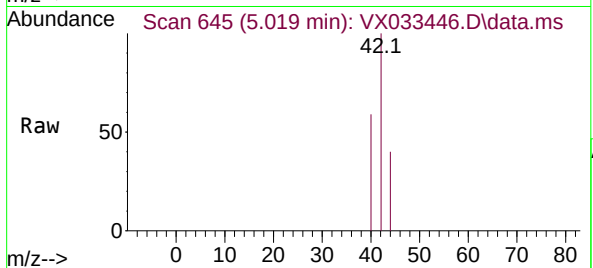
Tgt Ion: 42 Resp: 362

Ion Ratio Lower Upper

42 100

72 23.5 37.6 56.4#

71 13.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.264 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX033446.D

Acq: 15 Dec 2022 16:45

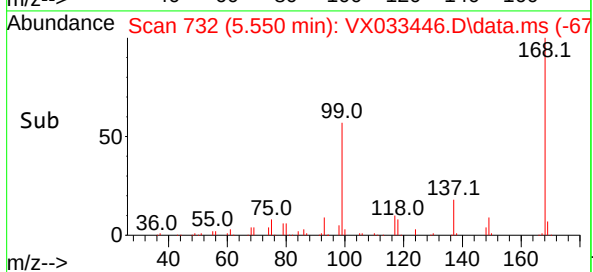
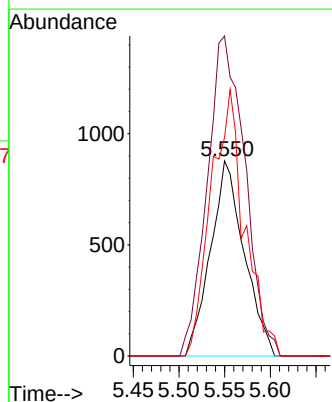
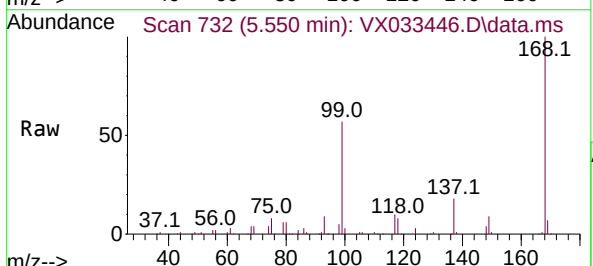
Tgt Ion: 56 Resp: 2253

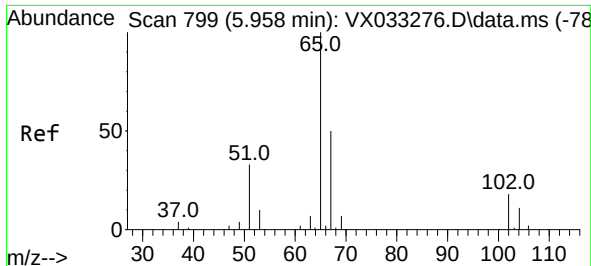
Ion Ratio Lower Upper

56 100

69 164.0 24.1 36.1#

84 111.8 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 51.791 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033446.D

Acq: 15 Dec 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

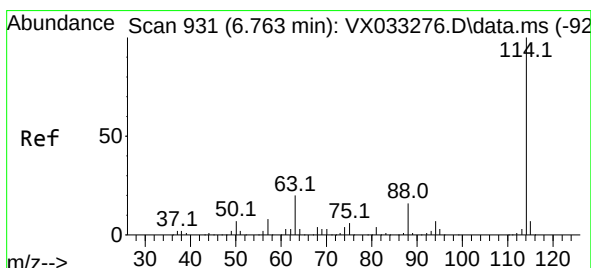
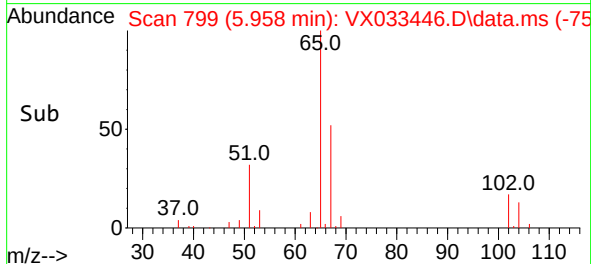
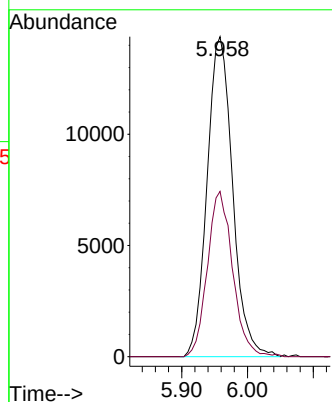
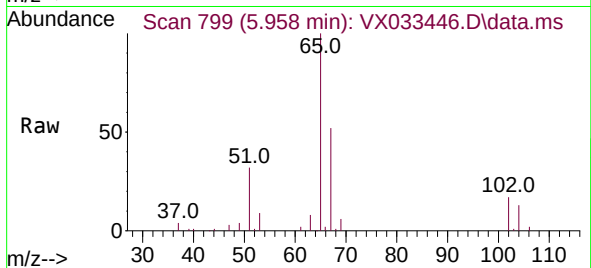
WC-SOIL-20221214

Tgt Ion: 65 Resp: 38829

Ion Ratio Lower Upper

65 100

67 51.1 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: VX033446.D

Acq: 15 Dec 2022 16:45

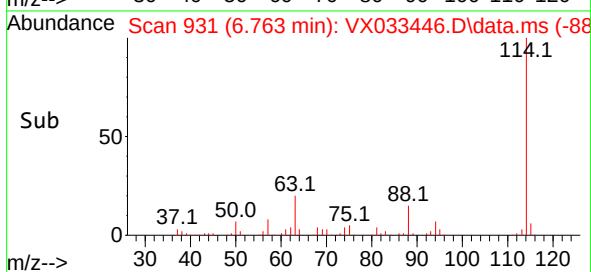
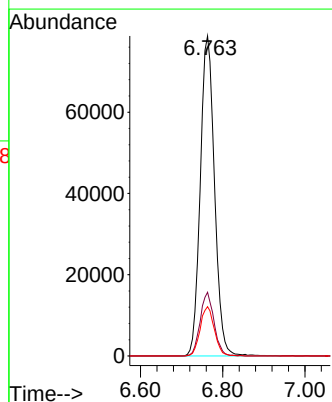
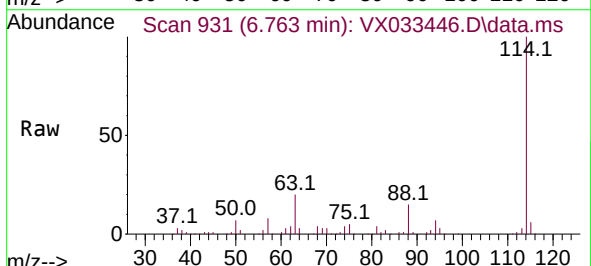
Tgt Ion: 114 Resp: 189465

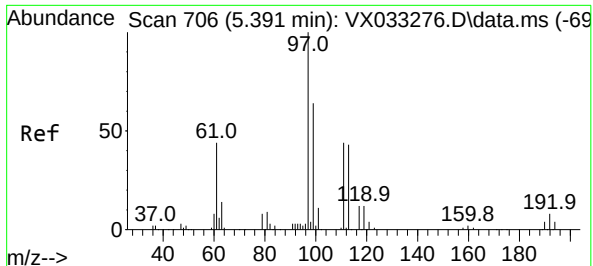
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

88 15.4 0.0 33.4

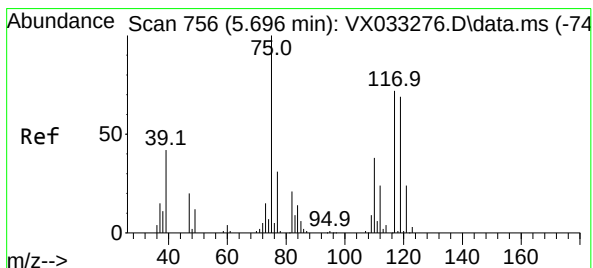
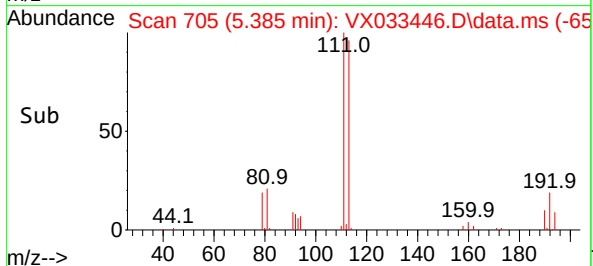
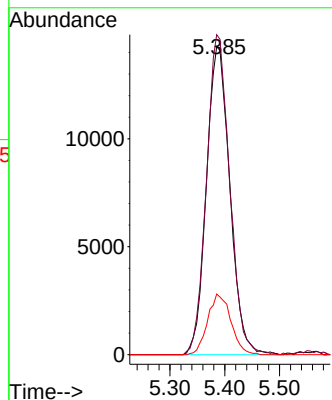
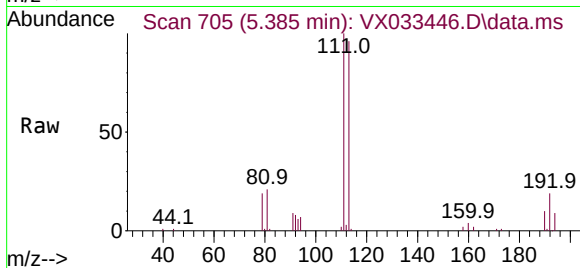




#35
Dibromofluoromethane
Concen: 49.764 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

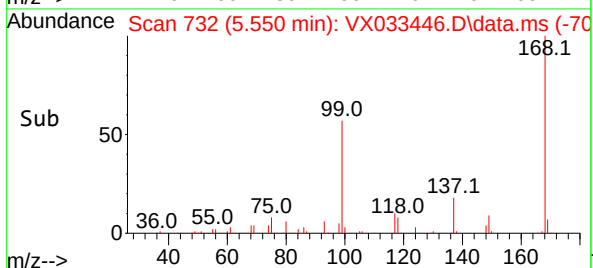
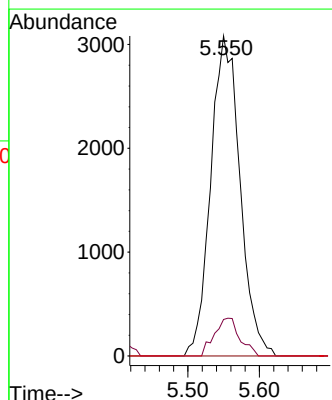
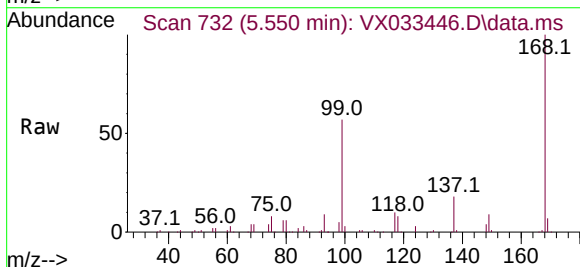
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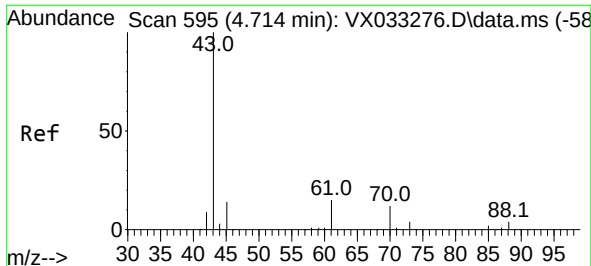
Tgt Ion:113 Resp: 42408
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 19.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.274 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

Tgt Ion: 75 Resp: 8762
Ion Ratio Lower Upper
75 100
110 10.2 18.4 55.2#
77 0.0 24.5 36.7#

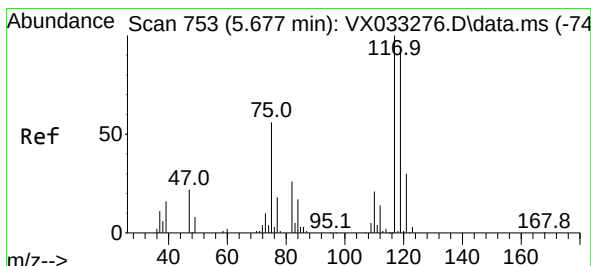
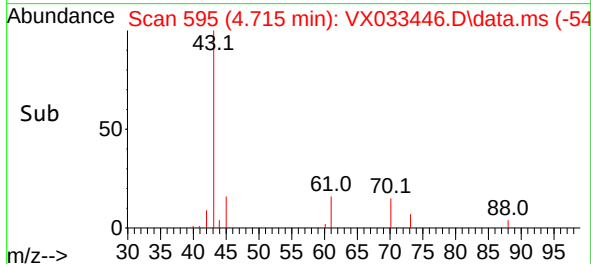
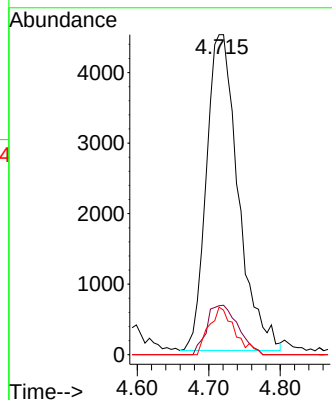
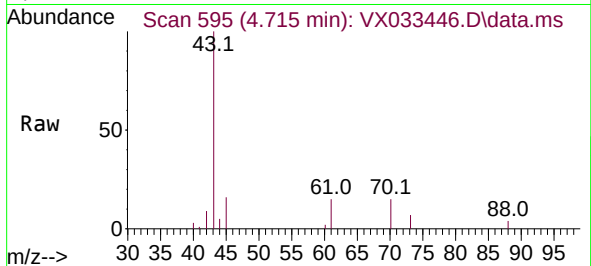




#37
Ethyl Acetate
Concen: 8.806 ug/l
RT: 4.715 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

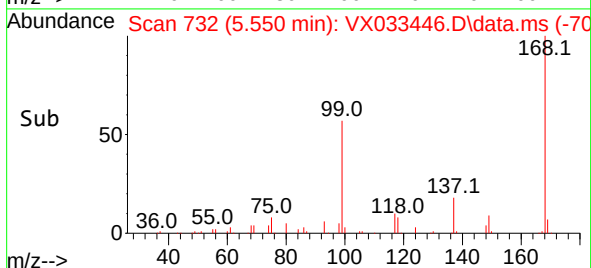
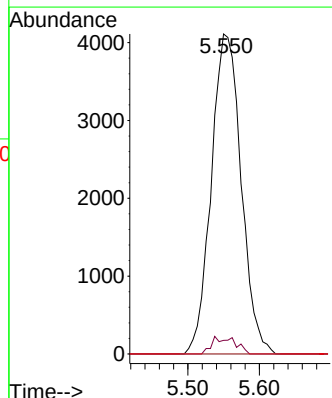
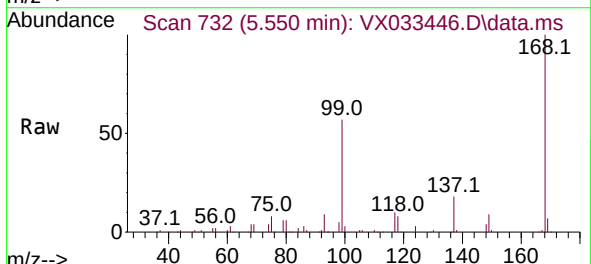
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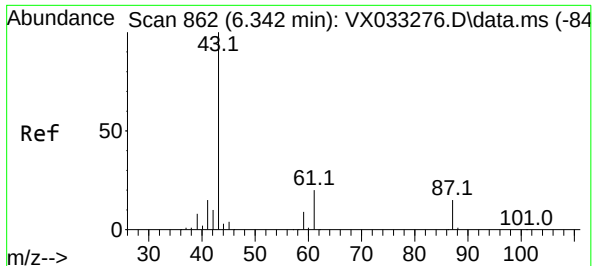
Tgt Ion:	43	Resp:	13830
Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.5	17.3
70	12.2	9.1	13.7



#38
Carbon Tetrachloride
Concen: 6.406 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

Tgt Ion:	117	Resp:	11924
Ion	Ratio	Lower	Upper
117	100		
119	4.3	77.2	115.8#
121	0.0	25.8	38.6#

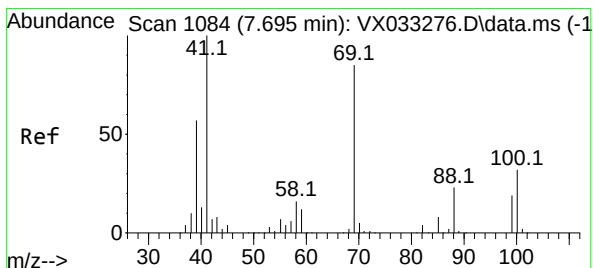
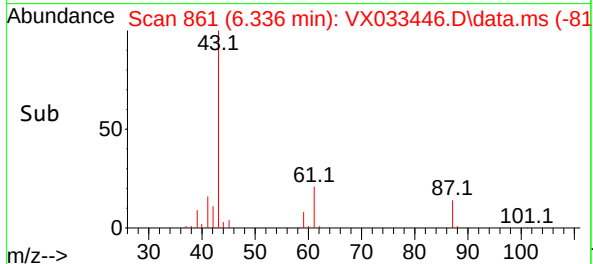
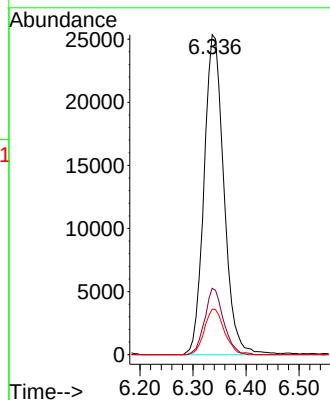
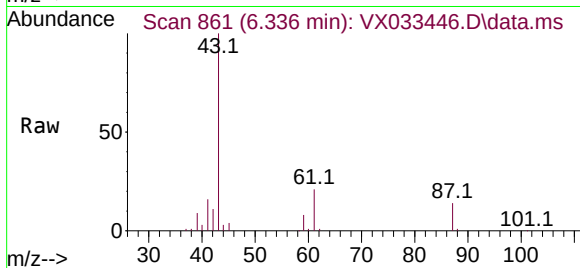




#43
Isopropyl Acetate
Concen: 26.083 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

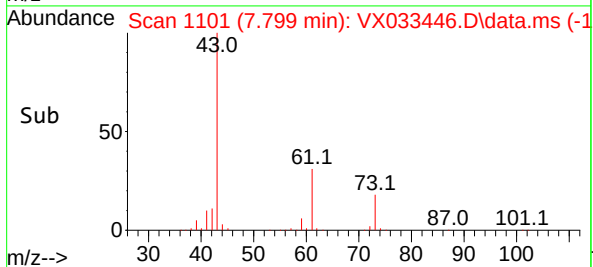
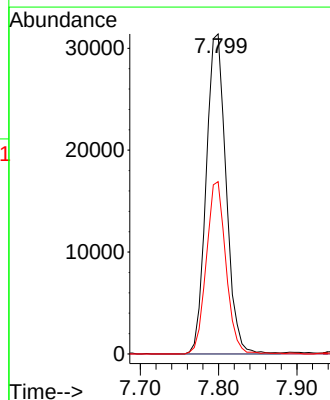
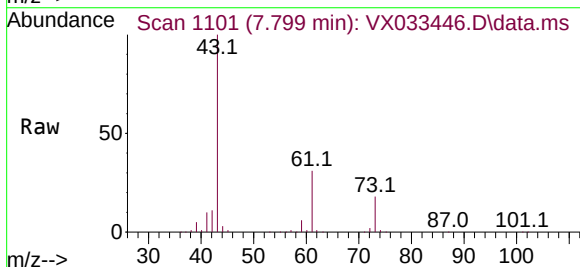
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20221214

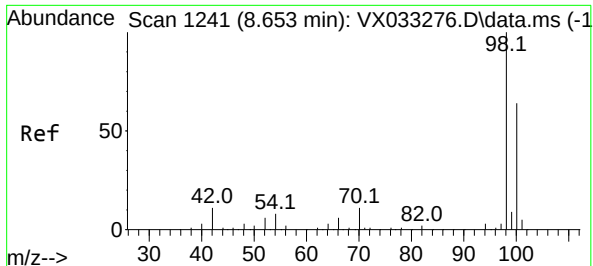
Tgt Ion: 43 Resp: 65913
Ion Ratio Lower Upper
43 100
61 19.7 15.4 23.0
87 14.2 10.8 16.2



#48
Methyl methacrylate
Concen: 42.501 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

Tgt Ion: 41 Resp: 55430
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 52.9 51.9 77.9

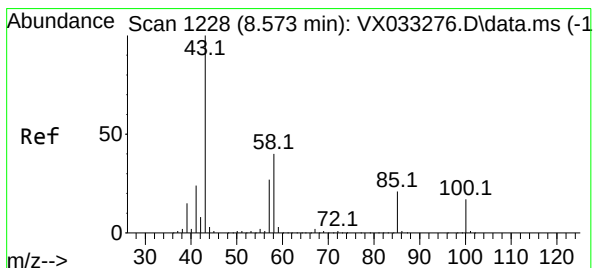
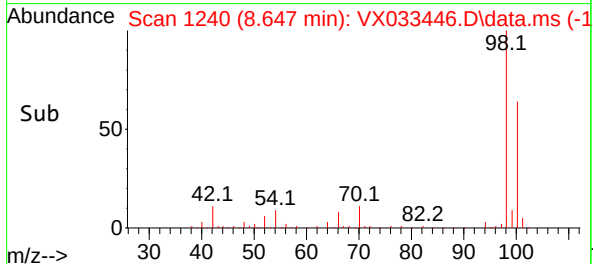
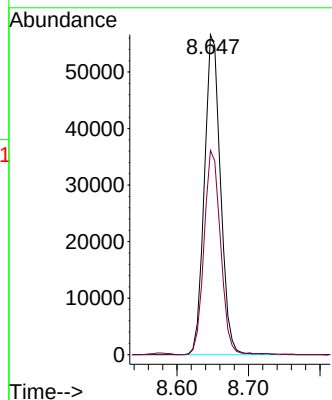
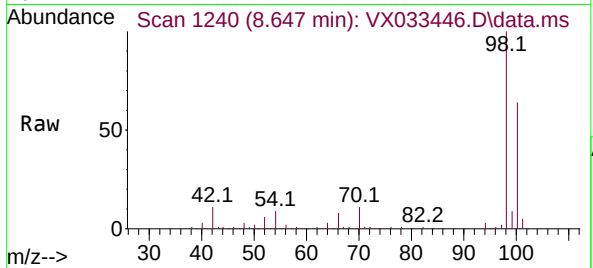




#50
Toluene-d8
Concen: 49.678 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

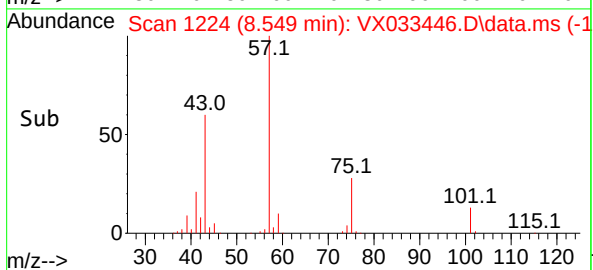
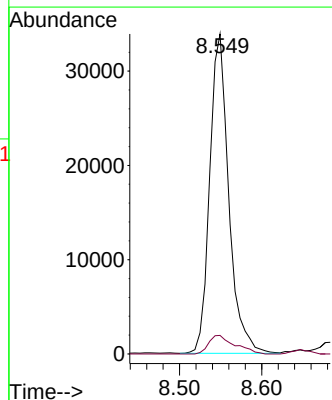
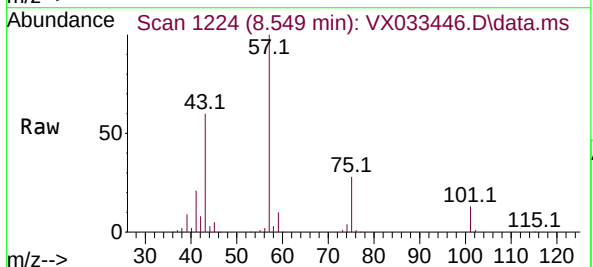
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20221214

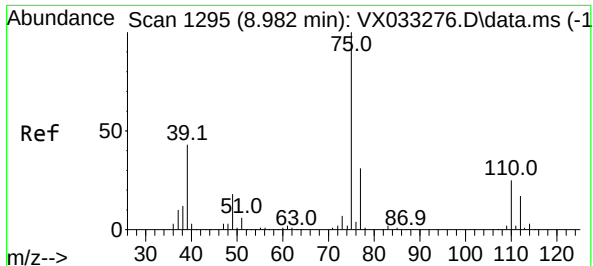
Tgt Ion: 98 Resp: 88562
Ion Ratio Lower Upper
98 100
100 65.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 34.086 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

Tgt Ion: 43 Resp: 54472
Ion Ratio Lower Upper
43 100
58 8.0 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 2.706 ug/l

RT: 8.964 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX033446.D

Acq: 15 Dec 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

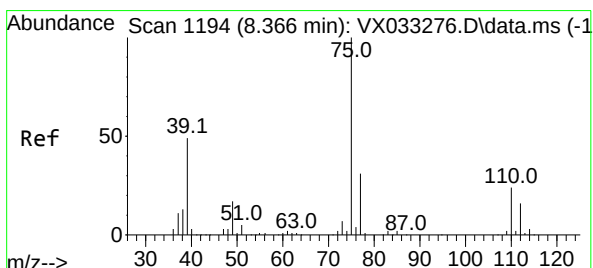
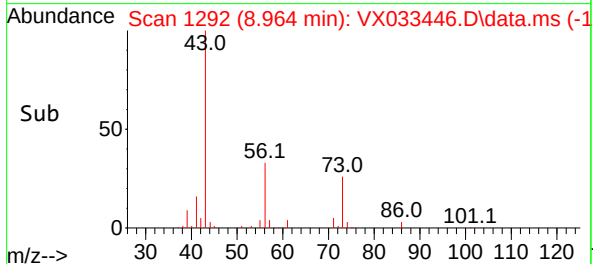
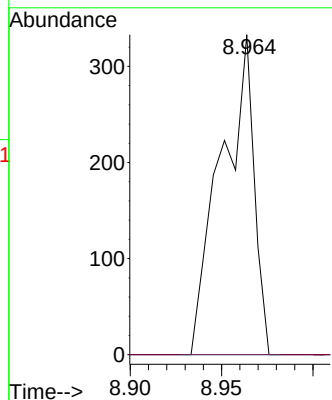
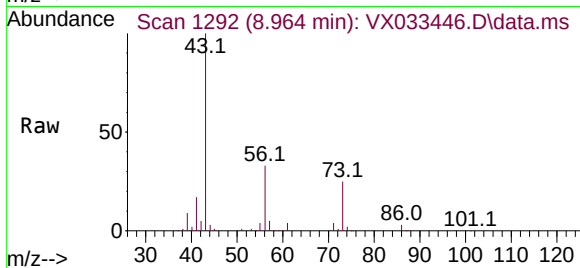
WC-SOIL-20221214

Tgt Ion: 75 Resp: 417

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 12.825 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033446.D

Acq: 15 Dec 2022 16:45

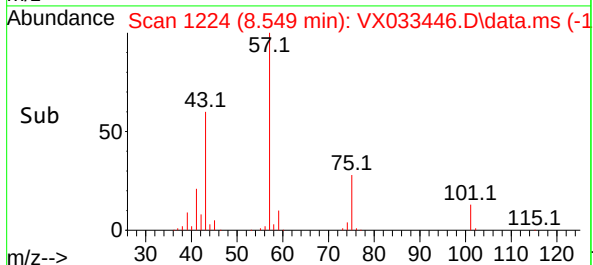
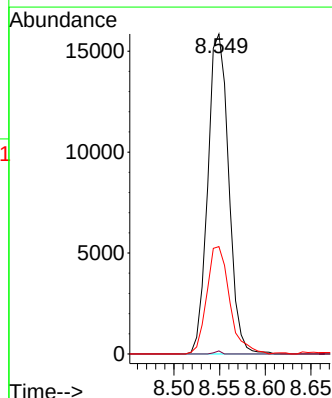
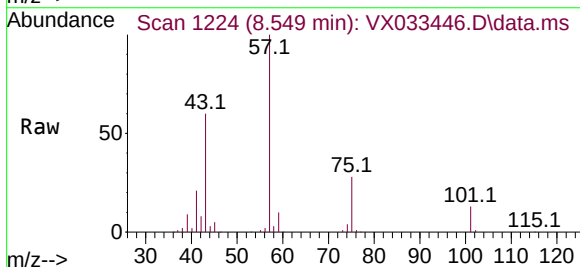
Tgt Ion: 75 Resp: 25107

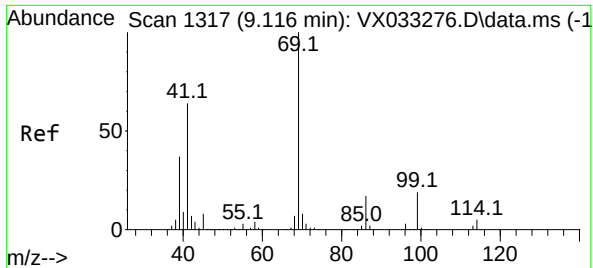
Ion Ratio Lower Upper

75 100

77 0.9 25.1 37.7#

39 33.6 45.5 68.3#

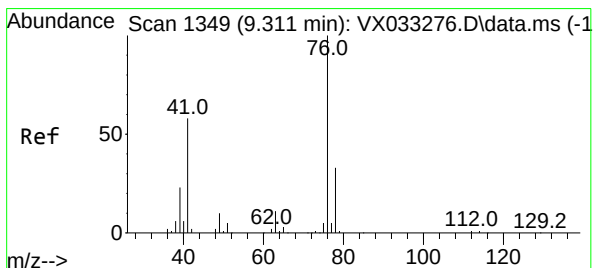
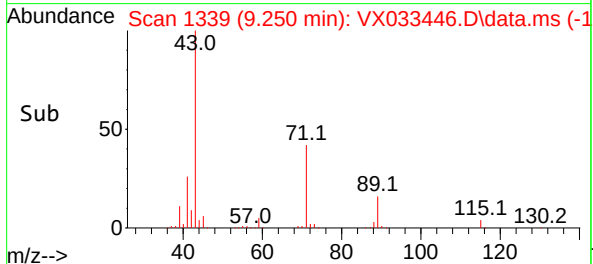
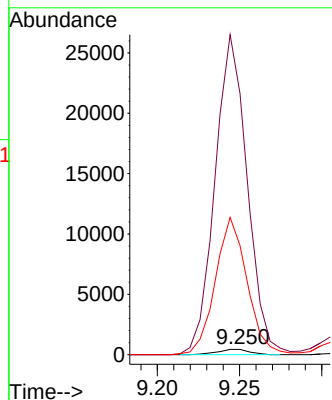
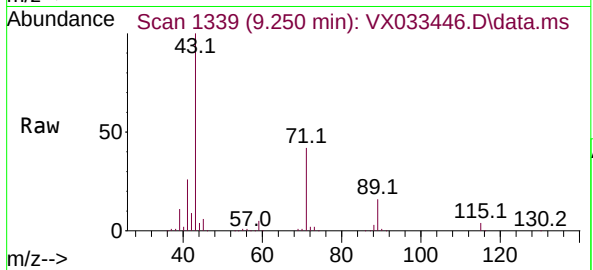




#56
Ethyl methacrylate
Concen: 0.323 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

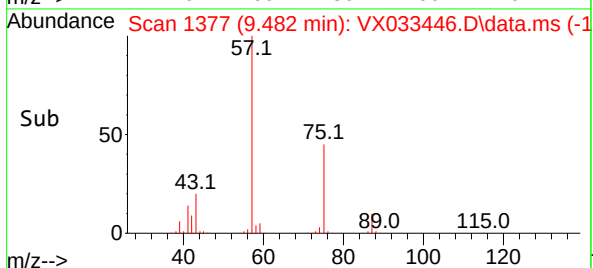
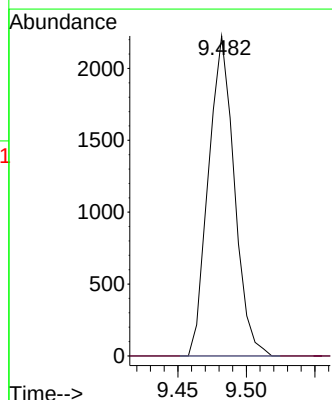
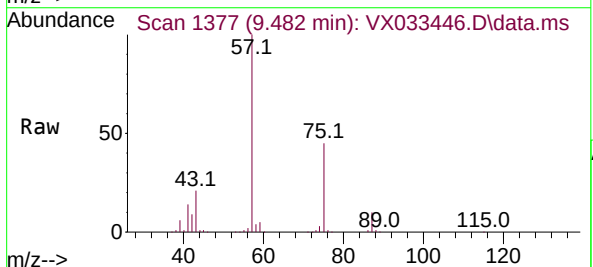
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20221214

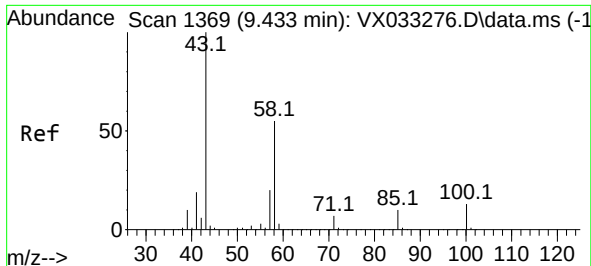
Tgt Ion: 69 Resp: 599
Ion Ratio Lower Upper
69 100
41 6033.6 54.3 81.5#
39 2551.3 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.382 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

Tgt Ion: 76 Resp: 2922
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 33.064 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX033446.D

Acq: 15 Dec 2022 16:45

Instrument :

MSVOA_X

ClientSampleId :

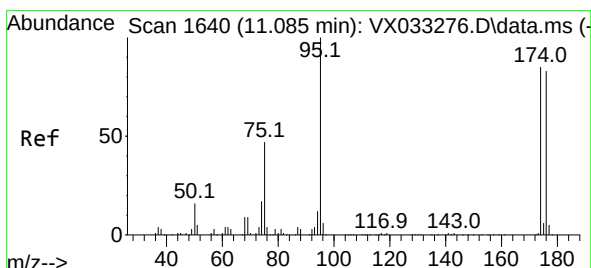
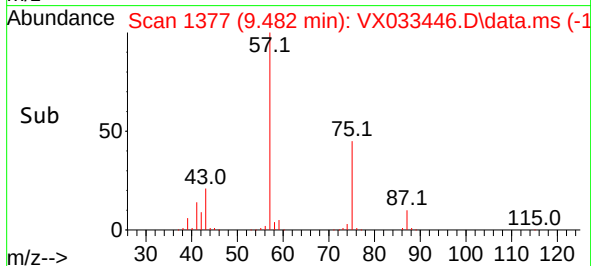
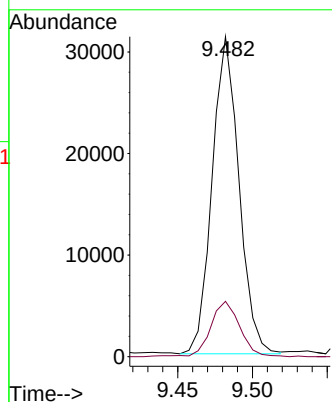
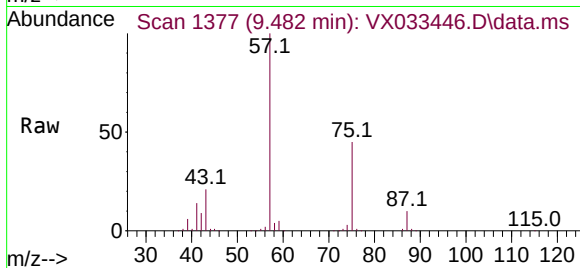
WC-SOIL-20221214

Tgt Ion: 43 Resp: 38938

Ion Ratio Lower Upper

43 100

58 19.0 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 50.235 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX033446.D

Acq: 15 Dec 2022 16:45

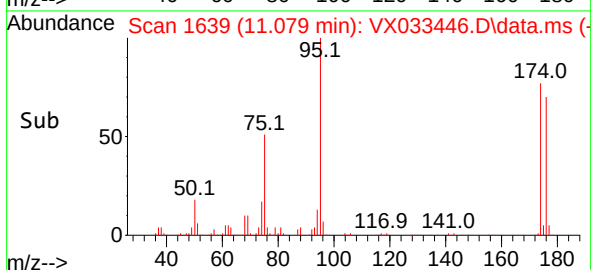
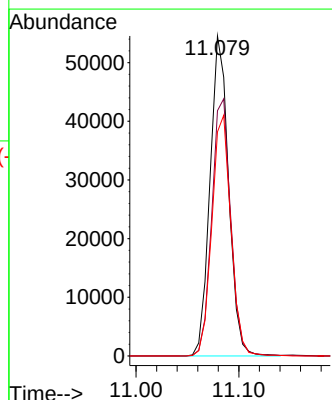
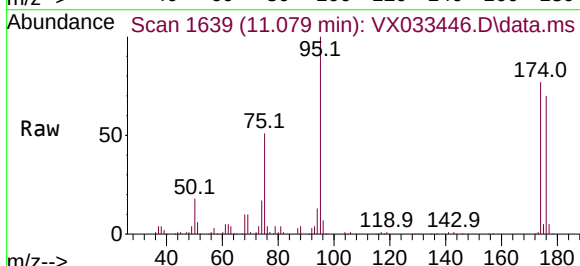
Tgt Ion: 95 Resp: 68474

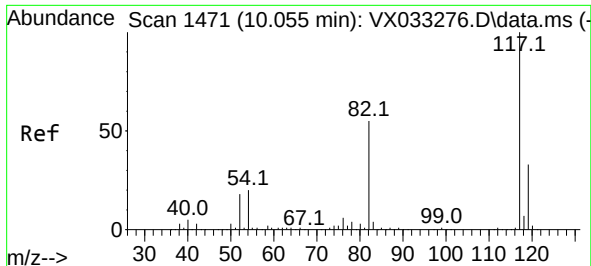
Ion Ratio Lower Upper

95 100

174 82.3 0.0 164.0

176 77.3 0.0 154.4

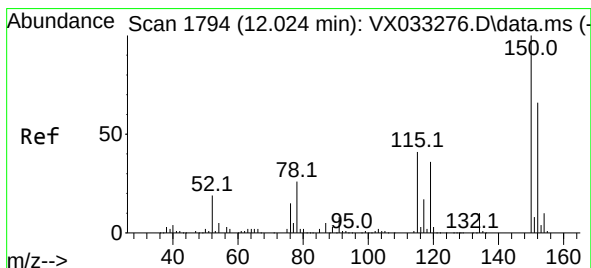
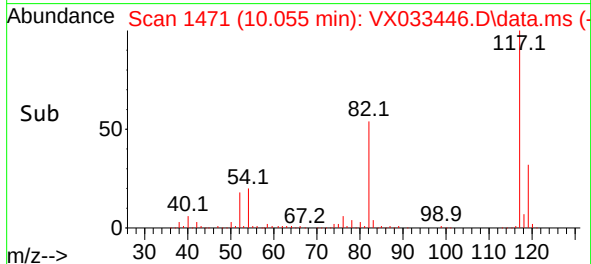
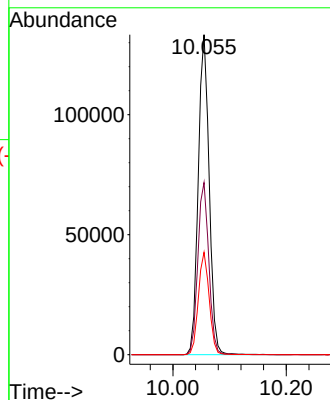
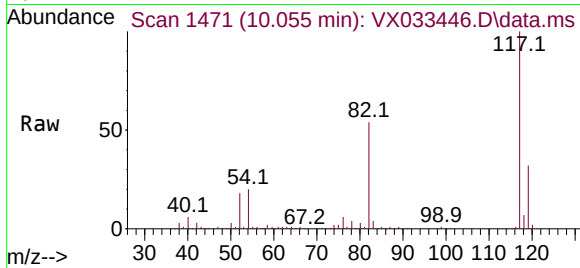




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

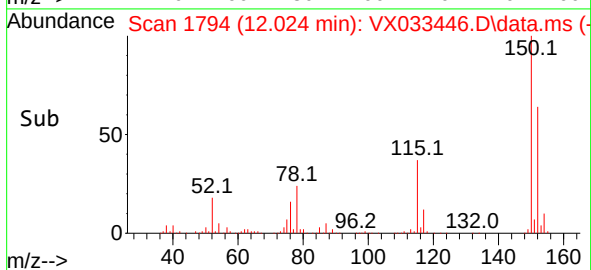
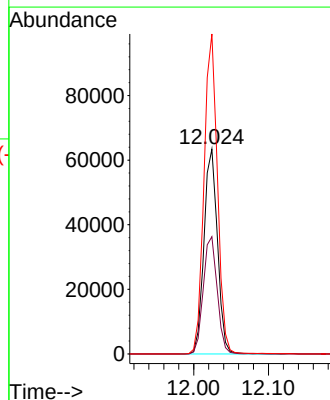
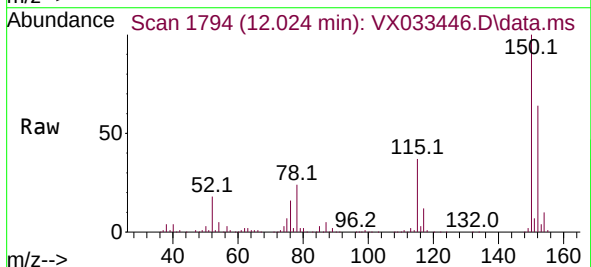
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20221214

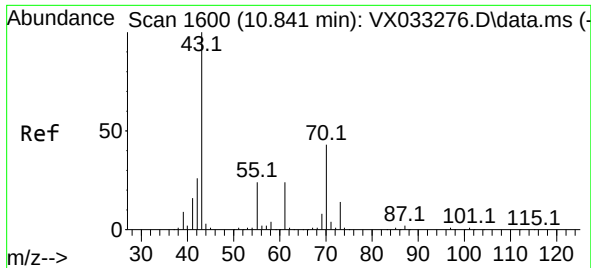
Tgt Ion:117 Resp: 177942
Ion Ratio Lower Upper
117 100
82 53.8 44.3 66.5
119 32.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

Tgt Ion:152 Resp: 79526
Ion Ratio Lower Upper
152 100
115 59.0 44.0 132.0
150 154.7 0.0 351.8

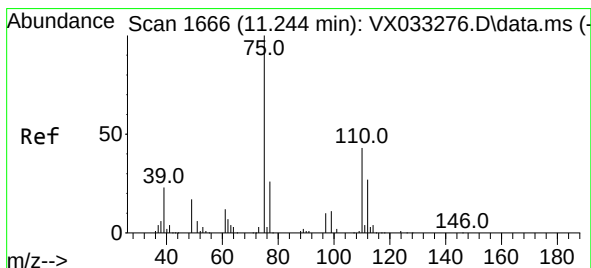
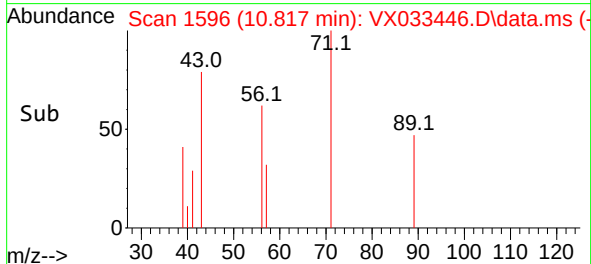
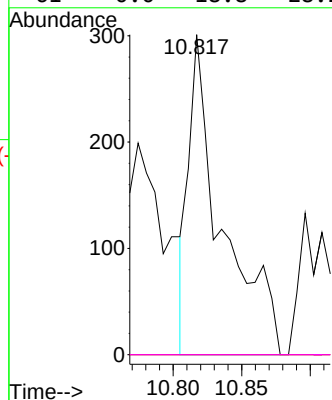
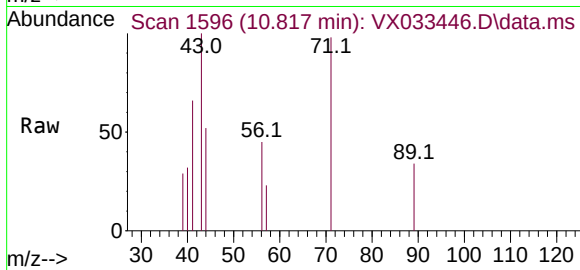




#74
N-amy1 acetate
Concen: 0.256 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

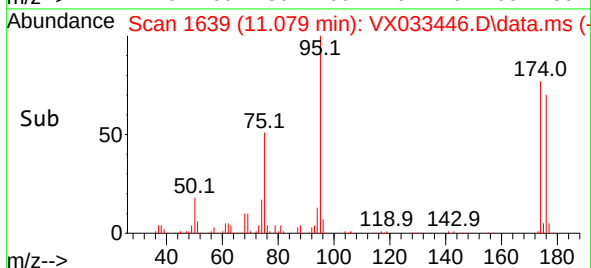
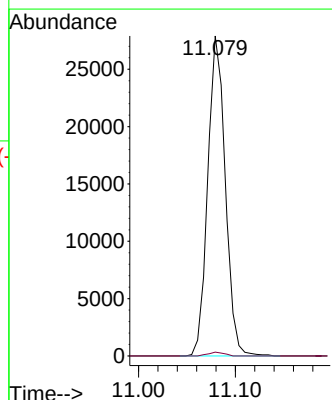
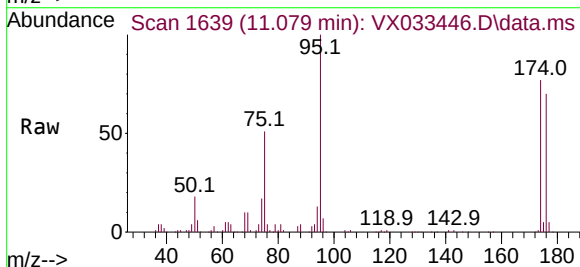
Instrument :
MSVOA_X
ClientSampleId :
WC-SOIL-20221214

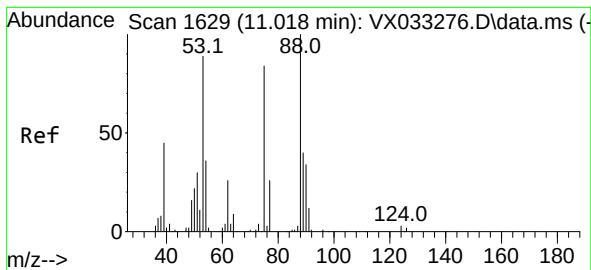
Tgt Ion: 43	Resp:	504
Ion	Ratio	Lower Upper
43	100	
70	0.0	33.6 50.4#
55	0.0	19.4 29.2#
61	0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 21.810 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033446.D
Acq: 15 Dec 2022 16:45

Tgt Ion: 75	Resp:	35288
Ion	Ratio	Lower Upper
75	100	
77	1.1	20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.844 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033446.D
 Acq: 15 Dec 2022 16:45

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-SOIL-20221214

Tgt Ion: 75 Resp: 35288
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

