

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052223\
 Data File : VX035797.D
 Acq On : 22 May 2023 20:05
 Operator : JC/MD
 Sample : 02864-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SOIL-BIN

Quant Time: May 23 06:16:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

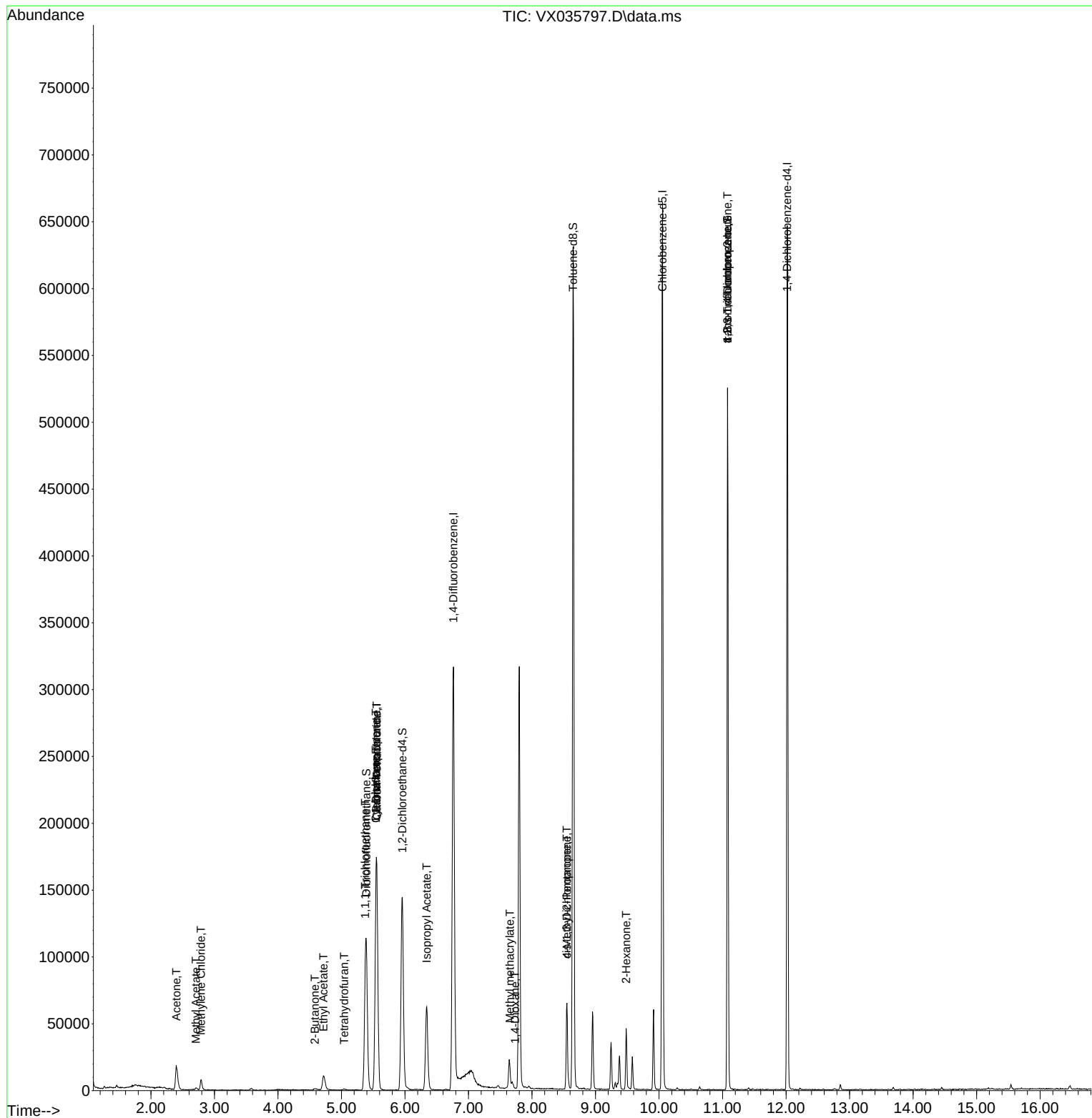
Internal Standards						
1) Pentafluorobenzene	5.550	168	161697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	314680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	288449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	125006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139000	49.276	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.560%
35) Dibromofluoromethane	5.391	113	100313	47.269	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.540%
50) Toluene-d8	8.647	98	363654	46.385	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.760%
62) 4-Bromofluorobenzene	11.079	95	136596	43.272	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.540%
Target Compounds						
					Qvalue	
16) Acetone	2.398	43	28617	23.604	ug/l	95
18) Methyl Acetate	2.709	43	1616	0.361	ug/l	97
20) Methylene Chloride	2.788	84	3669	1.670	ug/l	84
25) 2-Butanone	4.580	43	1408	0.839	ug/l	93
29) Tetrahydrofuran	5.044	42	553	0.524	ug/l #	78
31) Cyclohexane	5.544	56	3911	1.097	ug/l #	1
32) 1,1,1-Trichloroethane	5.373	97	947	0.263	ug/l #	51
36) 1,1-Dichloropropene	5.544	75	13889	4.146	ug/l #	51
37) Ethyl Acetate	4.715	43	20002	5.725	ug/l	98
38) Carbon Tetrachloride	5.556	117	16884	5.321	ug/l #	16
43) Isopropyl Acetate	6.342	43	86829	14.251	ug/l	100
48) Methyl methacrylate	7.653	41	873	0.290	ug/l #	11
49) 1,4-Dioxane	7.732	88	20	2.301	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	24060	6.855	ug/l #	47
54) cis-1,3-Dichloropropene	8.549	75	10049	2.629	ug/l #	65
59) 2-Hexanone	9.482	43	5057	1.913	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	71500	23.384	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	71500	75.362	ug/l #	8

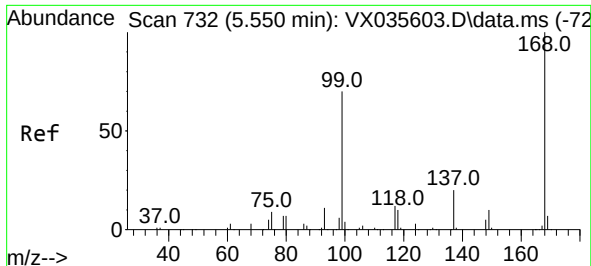
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

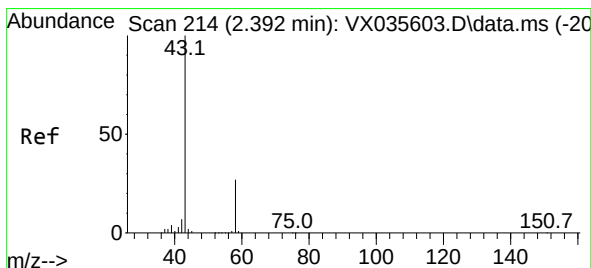
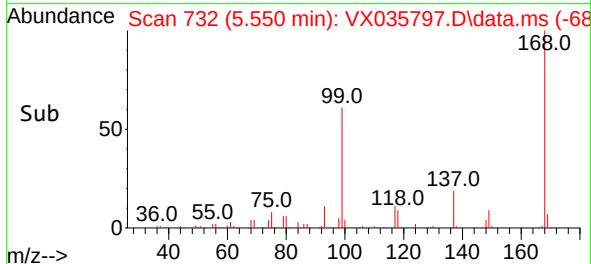
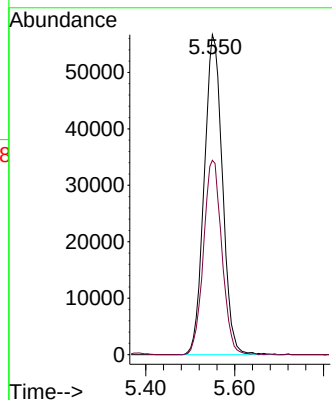
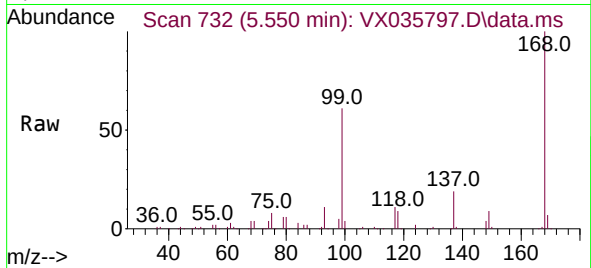




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

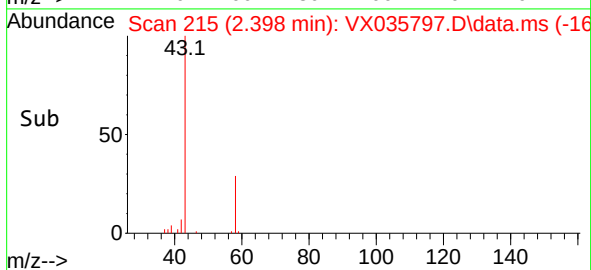
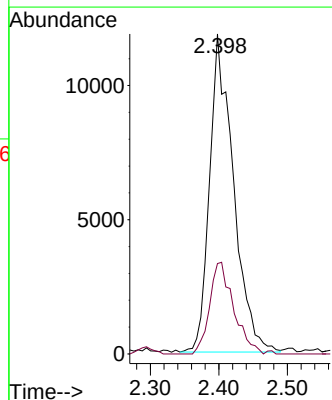
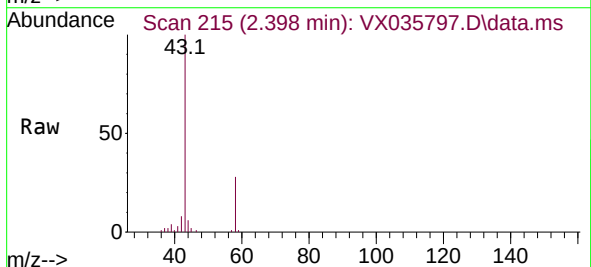
Instrument :
MSVOA_X
ClientSampleId :
SOIL-BIN

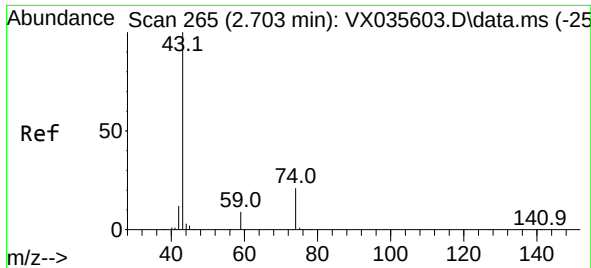
Tgt Ion:168 Resp: 161697
Ion Ratio Lower Upper
168 100
99 60.7 45.7 68.5



#16
Acetone
Concen: 23.604 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

Tgt Ion: 43 Resp: 28617
Ion Ratio Lower Upper
43 100
58 28.4 24.7 37.1

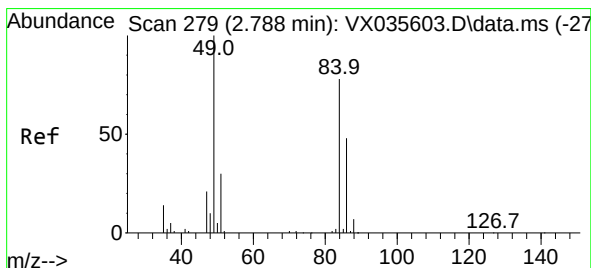
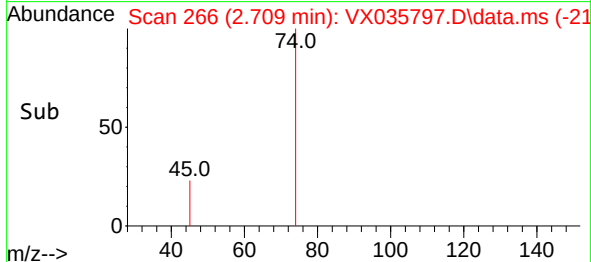
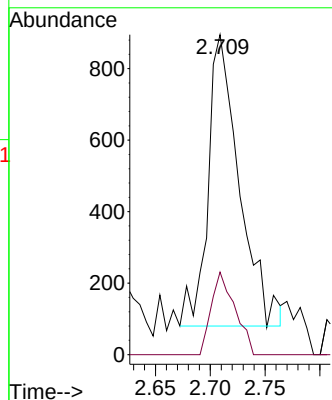
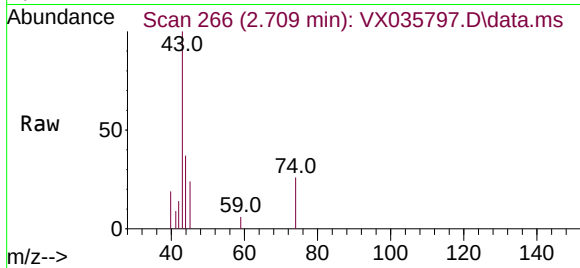




#18
Methyl Acetate
Concen: 0.361 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

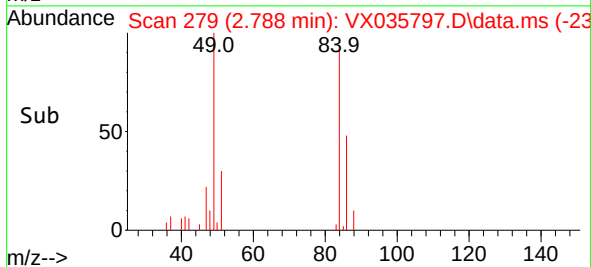
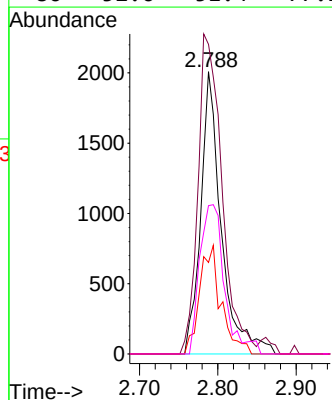
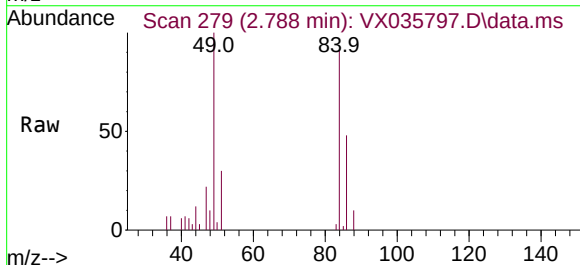
Instrument :
MSVOA_X
ClientSampleId :
SOIL-BIN

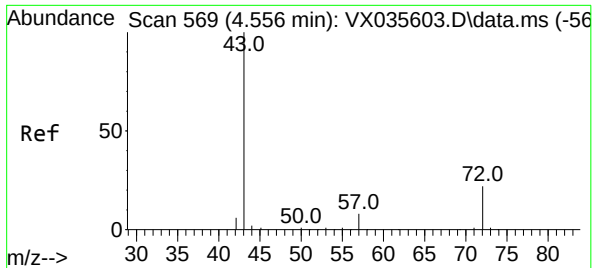
Tgt Ion: 43 Resp: 1616
Ion Ratio Lower Upper
43 100
74 21.4 18.3 27.5



#20
Methylene Chloride
Concen: 1.670 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

Tgt Ion: 84 Resp: 3669
Ion Ratio Lower Upper
84 100
49 109.7 103.8 155.8
51 32.4 31.8 47.8
86 52.6 51.4 77.2

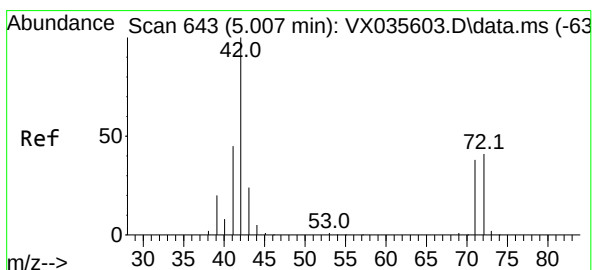
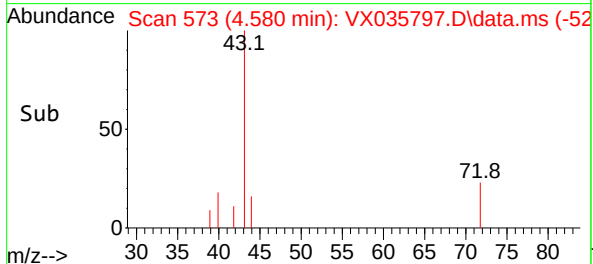
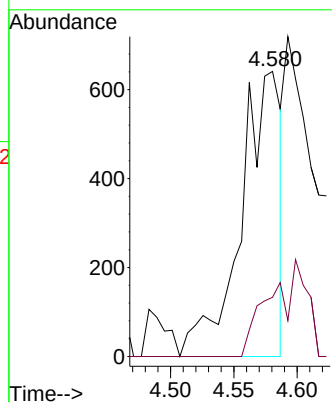
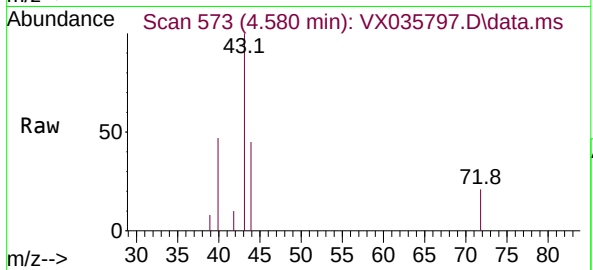




#25
2-Butanone
Concen: 0.839 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

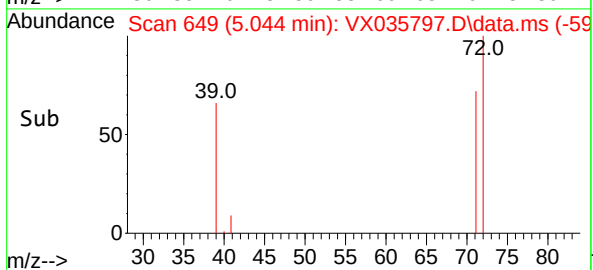
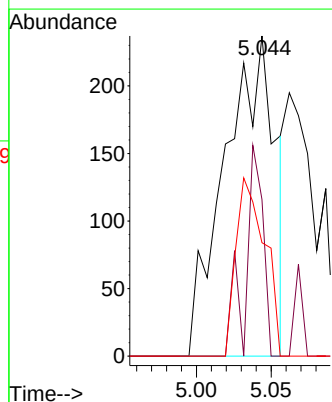
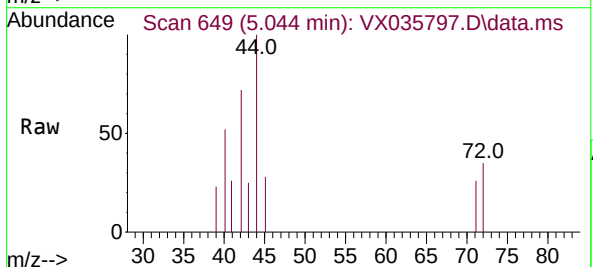
Instrument :
MSVOA_X
ClientSampleId :
SOIL-BIN

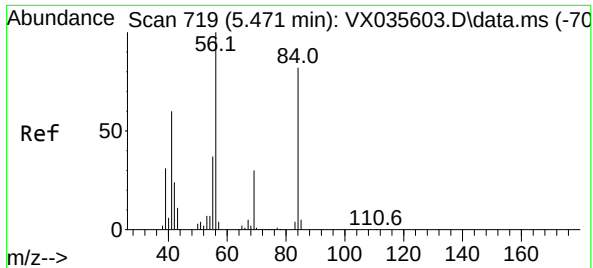
Tgt Ion: 43 Resp: 1408
Ion Ratio Lower Upper
43 100
72 20.7 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.524 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.037 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

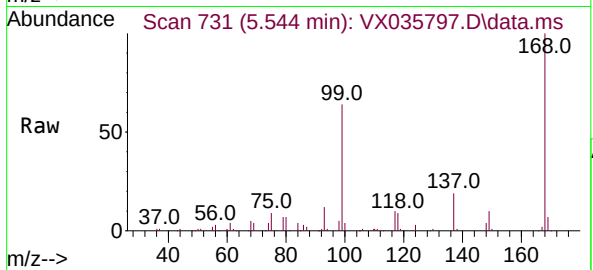
Tgt Ion: 42 Resp: 553
Ion Ratio Lower Upper
42 100
72 23.1 34.5 51.7#
71 32.0 32.1 48.1#



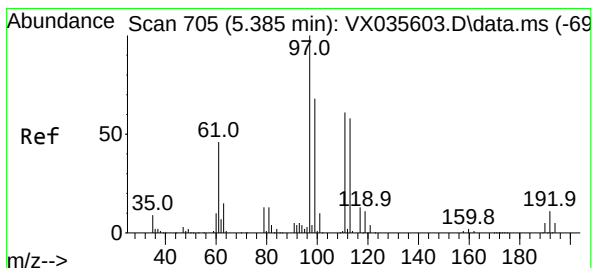
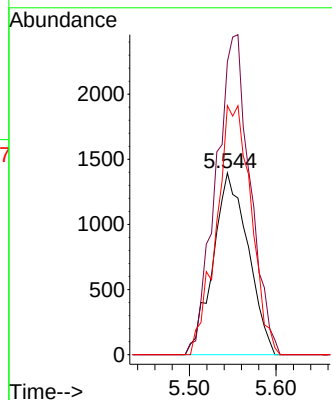
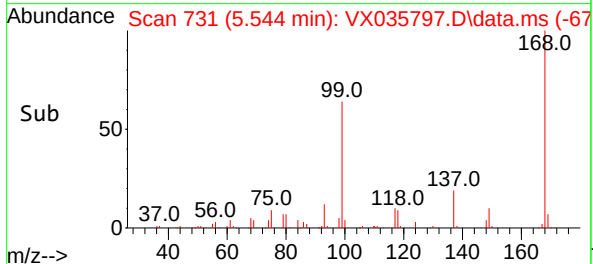


#31
Cyclohexane
Concen: 1.097 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

Instrument :
MSVOA_X
ClientSampleId :
SOIL-BIN

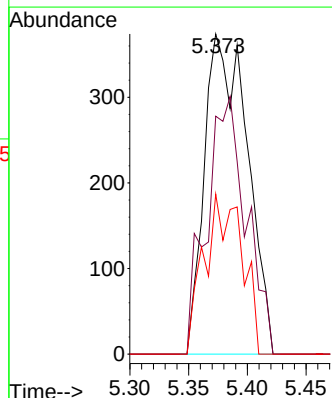
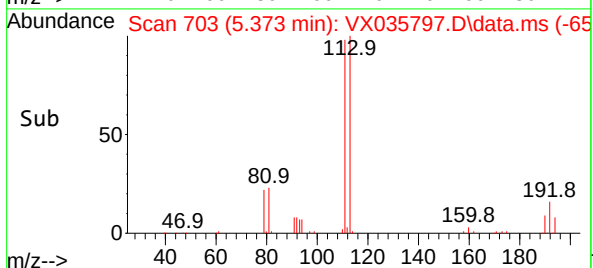
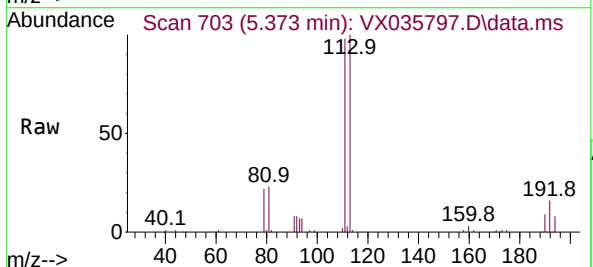


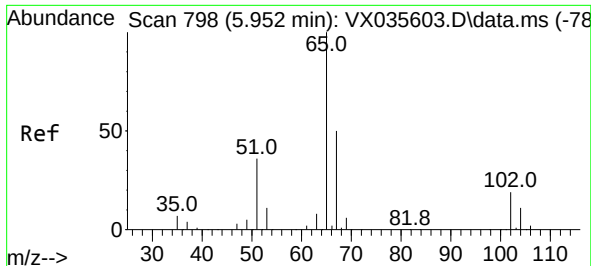
Tgt Ion: 56 Resp: 3911
Ion Ratio Lower Upper
56 100
69 161.1 23.7 35.5#
84 136.9 68.5 102.7#



#32
1,1,1-Trichloroethane
Concen: 0.263 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.012 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

Tgt Ion: 97 Resp: 947
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 44.0 36.5 54.7

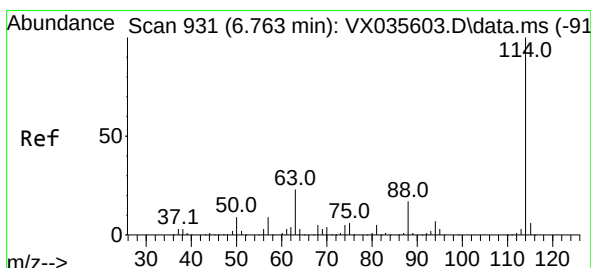
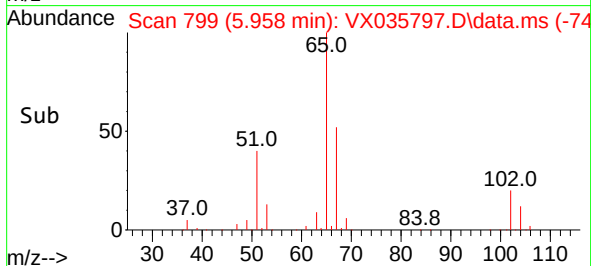
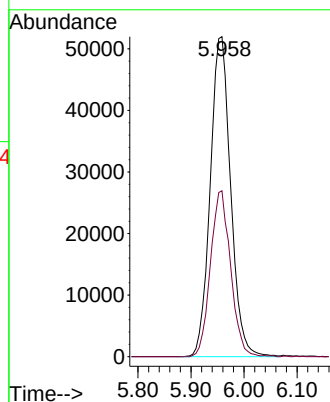
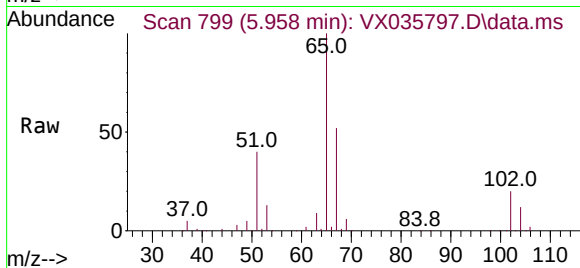




#33
 1,2-Dichloroethane-d4
 Concen: 49.276 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX035797.D
 Acq: 22 May 2023 20:05

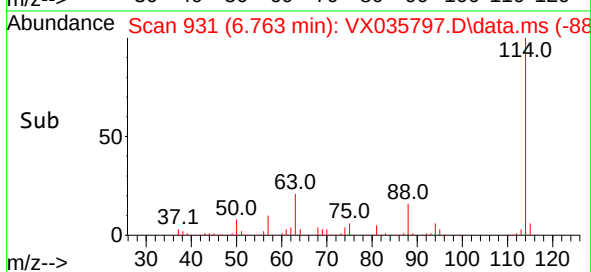
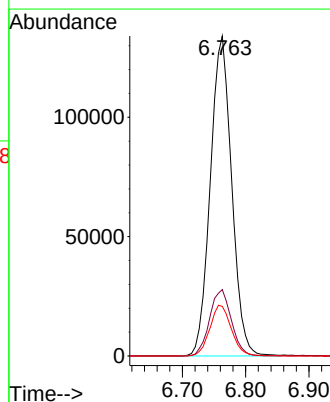
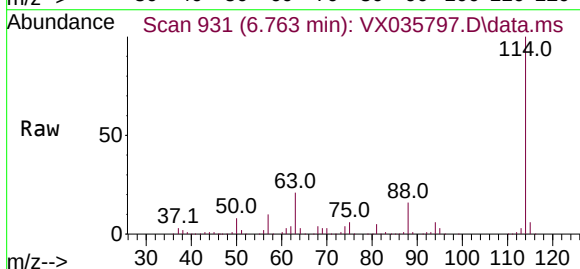
Instrument :
 MSVOA_X
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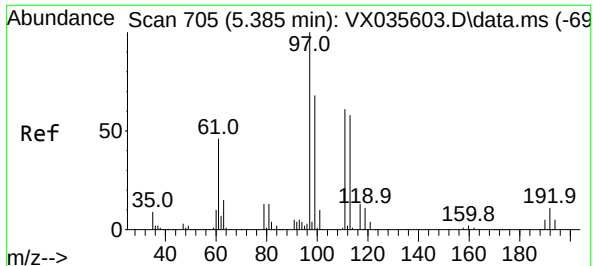
Tgt Ion: 65 Resp: 139000
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX035797.D
 Acq: 22 May 2023 20:05

Tgt Ion: 114 Resp: 314680
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.2
 88 15.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.269 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX035797.D

Acq: 22 May 2023 20:05

Instrument :

MSVOA_X

ClientSampleId :

SOIL-BIN

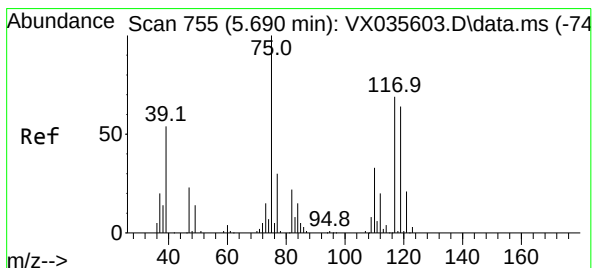
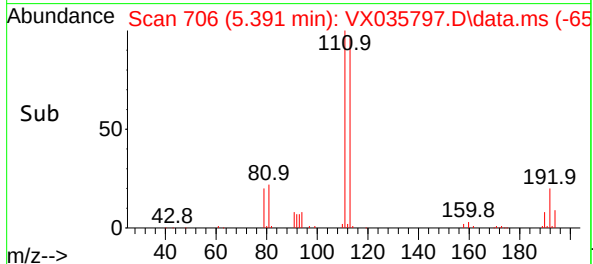
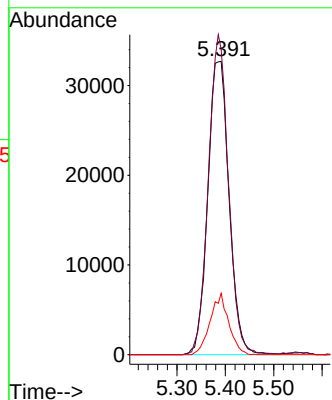
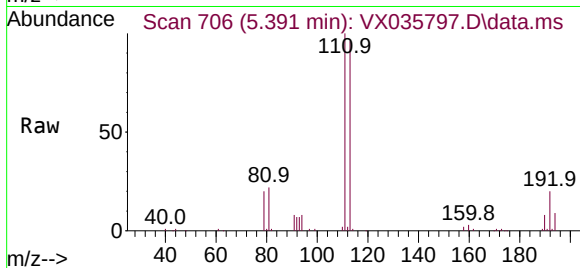
Tgt Ion:113 Resp: 100313

Ion Ratio Lower Upper

113 100

111 102.5 83.7 125.5

192 18.1 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.146 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX035797.D

Acq: 22 May 2023 20:05

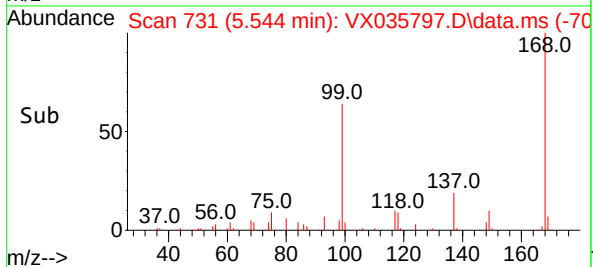
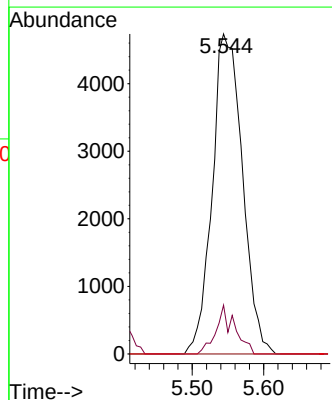
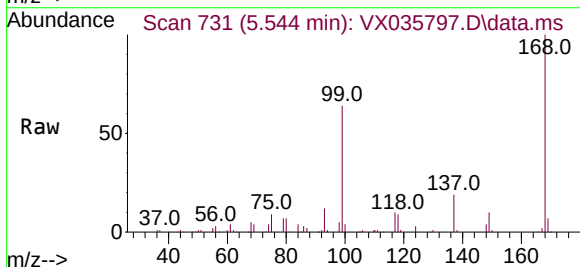
Tgt Ion: 75 Resp: 13889

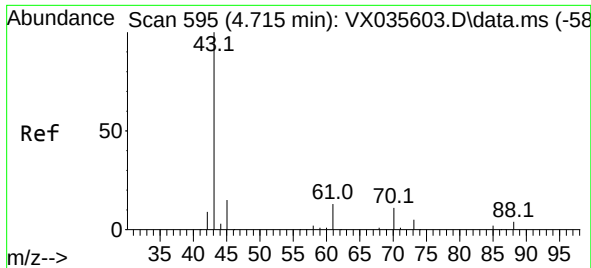
Ion Ratio Lower Upper

75 100

110 9.5 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 5.725 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX035797.D

Acq: 22 May 2023 20:05

Instrument :

MSVOA_X

ClientSampleId :

SOIL-BIN

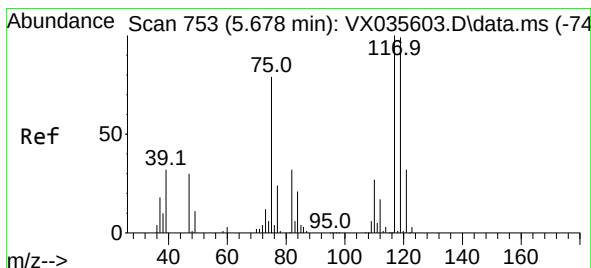
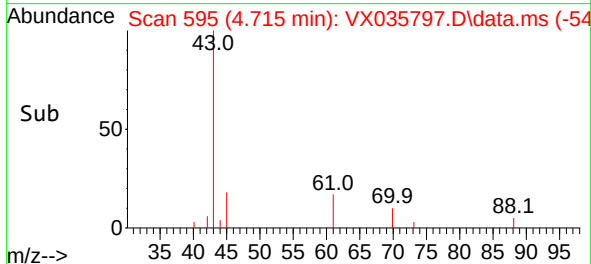
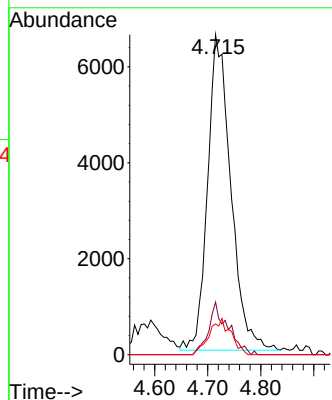
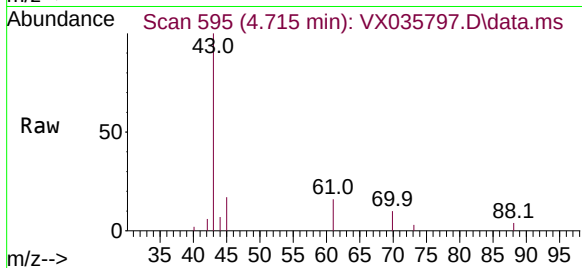
Tgt Ion: 43 Resp: 20002

Ion Ratio Lower Upper

43 100

61 13.8 10.2 15.4

70 10.7 8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.321 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX035797.D

Acq: 22 May 2023 20:05

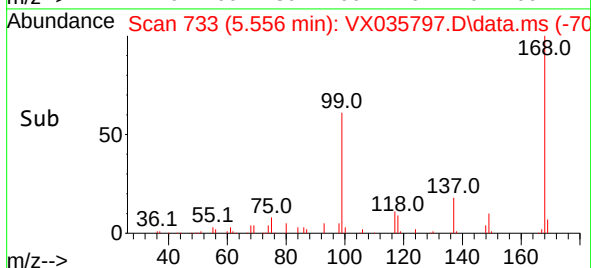
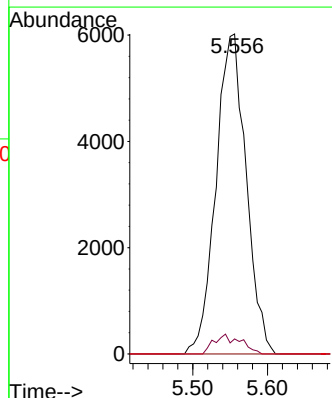
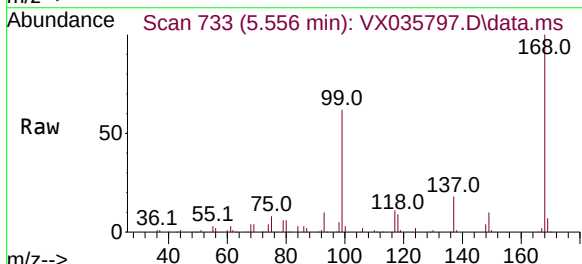
Tgt Ion: 117 Resp: 16884

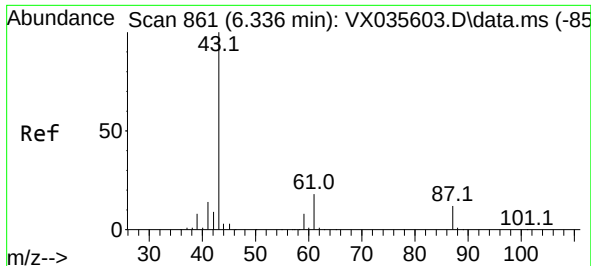
Ion Ratio Lower Upper

117 100

119 4.7 76.6 114.8#

121 0.0 23.8 35.6#

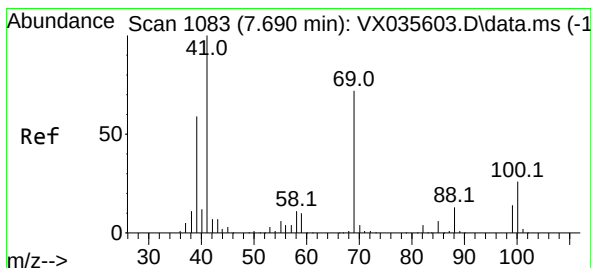
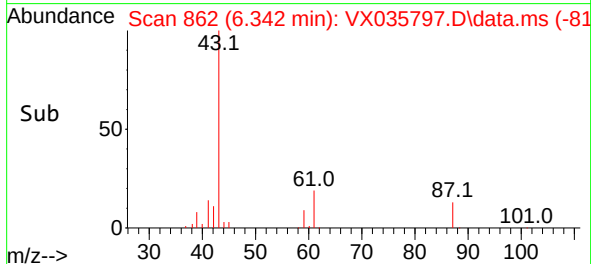
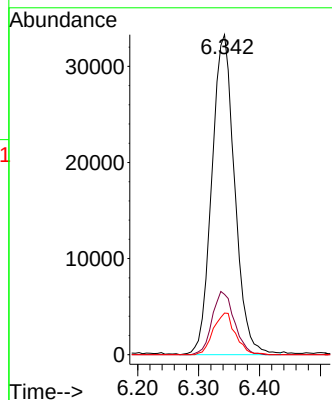
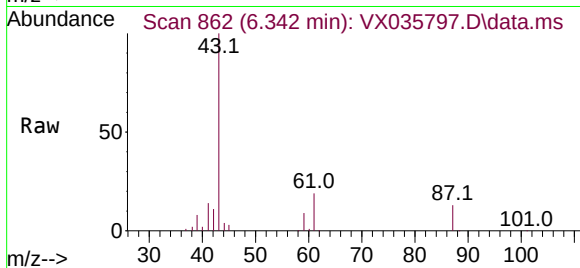




#43
Isopropyl Acetate
Concen: 14.251 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

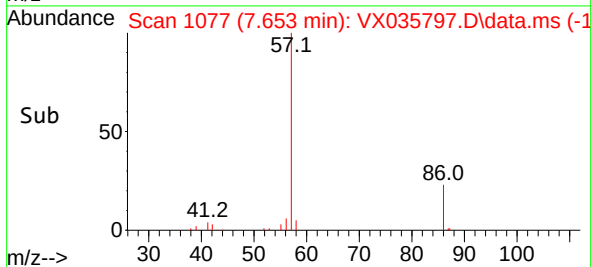
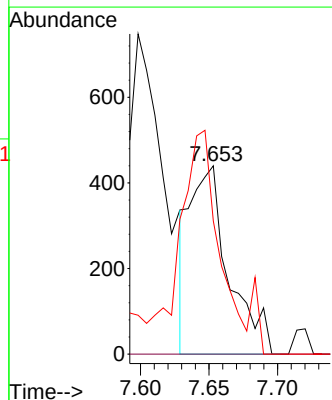
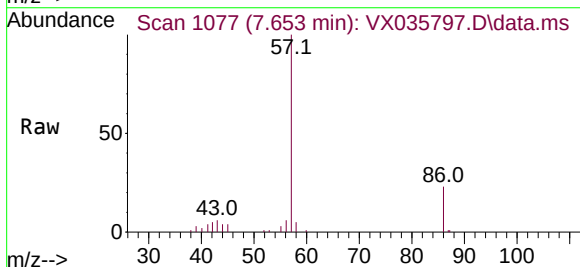
Instrument :
MSVOA_X
ClientSampleId :
SOIL-BIN

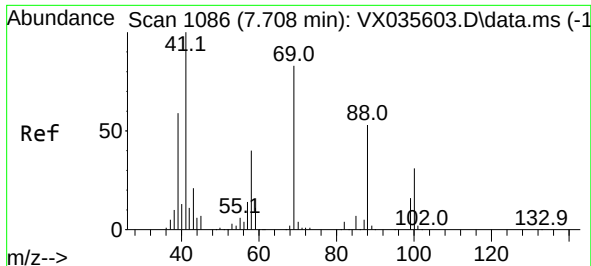
Tgt Ion: 43 Resp: 86829
Ion Ratio Lower Upper
43 100
61 19.1 15.2 22.8
87 12.6 9.8 14.8



#48
Methyl methacrylate
Concen: 0.290 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. -0.037 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

Tgt Ion: 41 Resp: 873
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 126.1 47.7 71.5#





#49

1,4-Dioxane

Concen: 2.301 ug/l

RT: 7.732 min Scan# 1090

Delta R.T. 0.024 min

Lab File: VX035797.D

Acq: 22 May 2023 20:05

Instrument :

MSVOA_X

ClientSampleId :

SOIL-BIN

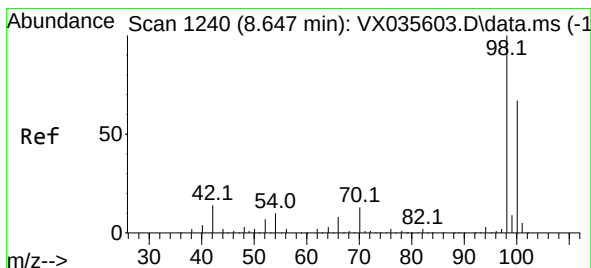
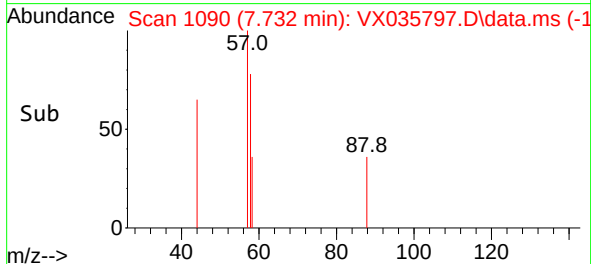
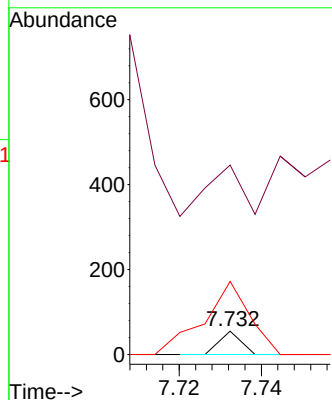
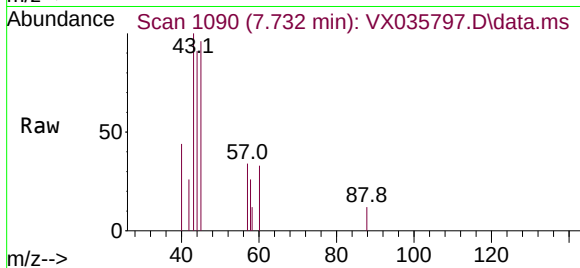
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 670.0 56.8 85.2#



#50

Toluene-d8

Concen: 46.385 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035797.D

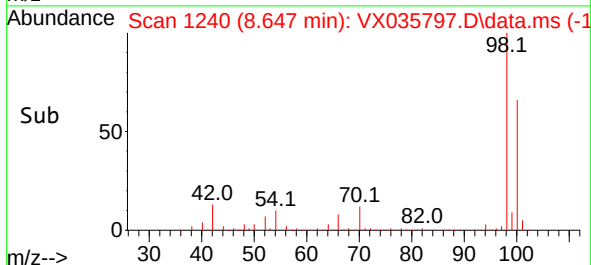
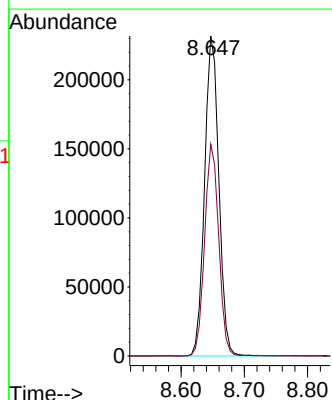
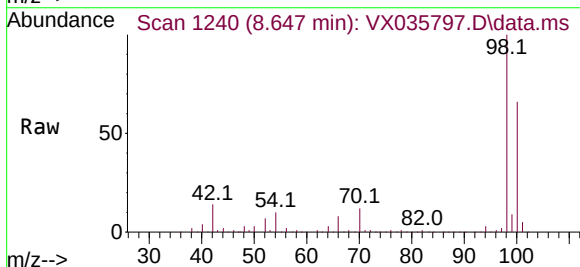
Acq: 22 May 2023 20:05

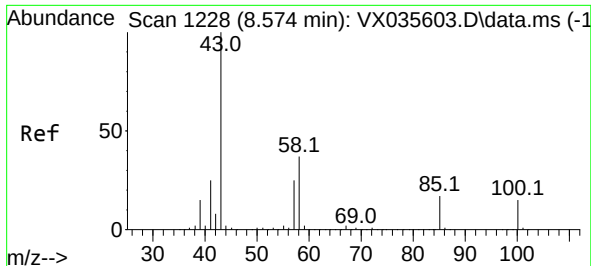
Tgt Ion: 98 Resp: 363654

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

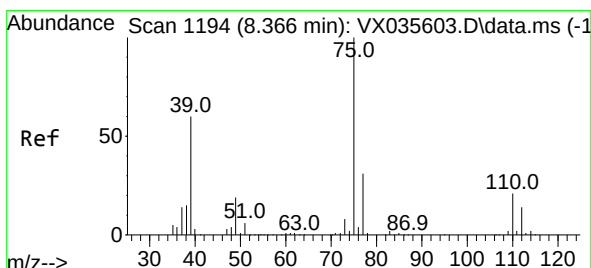
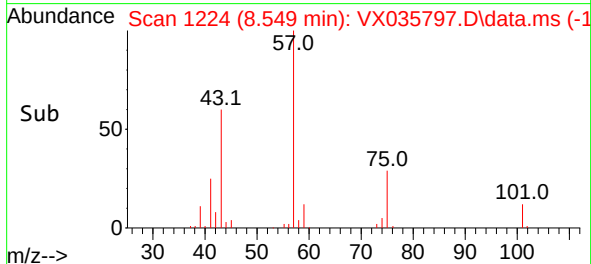
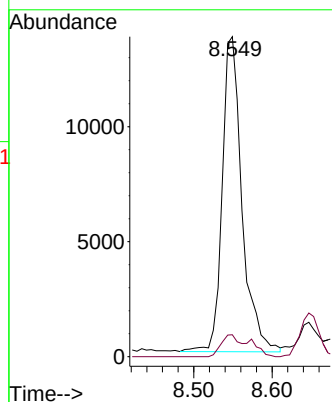
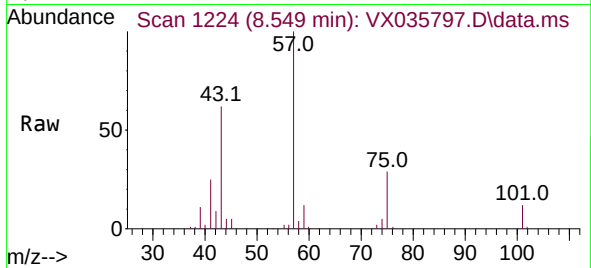




#51
4-Methyl-2-Pentanone
Concen: 6.855 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

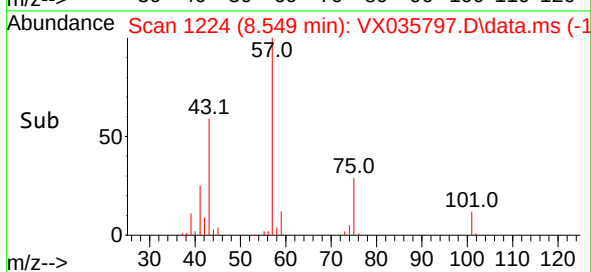
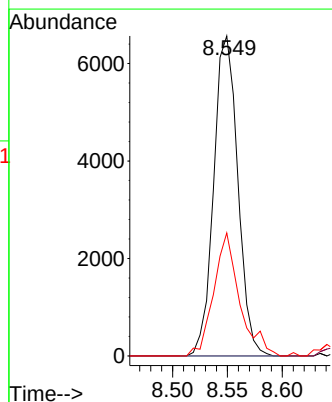
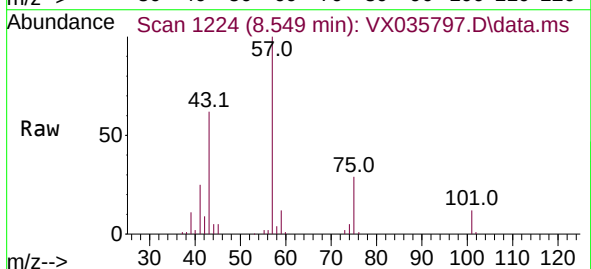
Instrument :
MSVOA_X
ClientSampleId :
SOIL-BIN

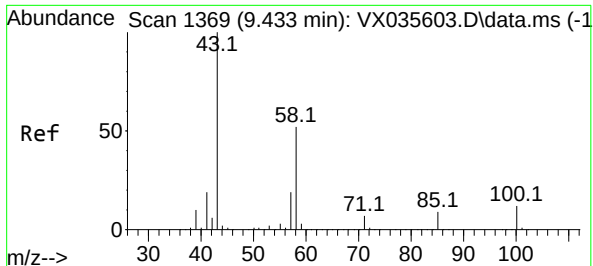
Tgt Ion: 43 Resp: 24060
Ion Ratio Lower Upper
43 100
58 6.4 30.6 46.0#



#54
cis-1,3-Dichloropropene
Concen: 2.629 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

Tgt Ion: 75 Resp: 10049
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 38.5 44.6 66.8#





#59

2-Hexanone

Concen: 1.913 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX035797.D

Acq: 22 May 2023 20:05

Instrument :

MSVOA_X

ClientSampleId :

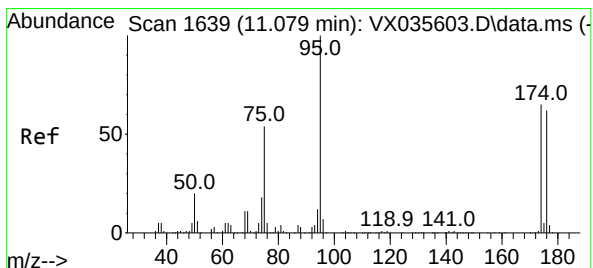
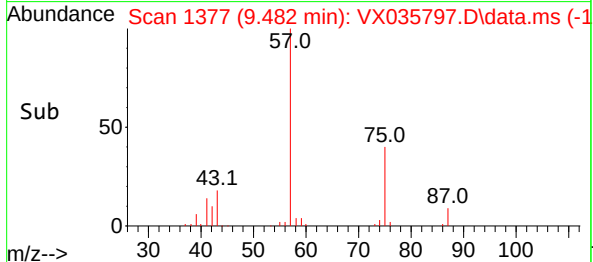
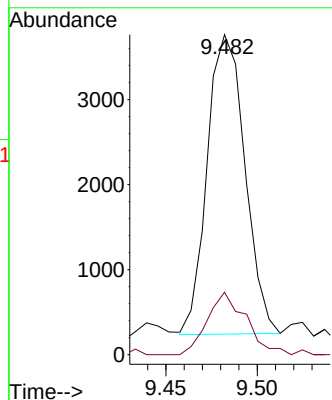
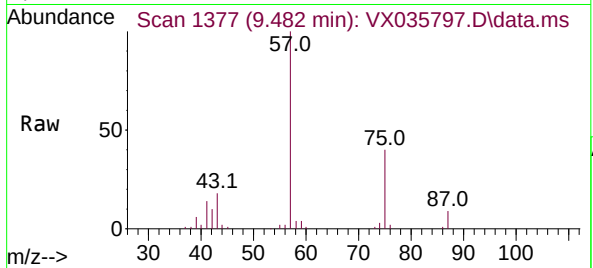
SOIL-BIN

Tgt Ion: 43 Resp: 5057

Ion Ratio Lower Upper

43 100

58 21.8 26.3 78.9#



#62

4-Bromofluorobenzene

Concen: 43.272 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035797.D

Acq: 22 May 2023 20:05

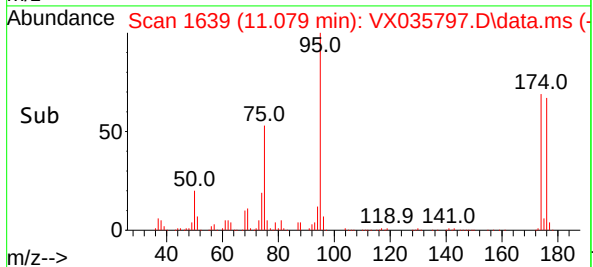
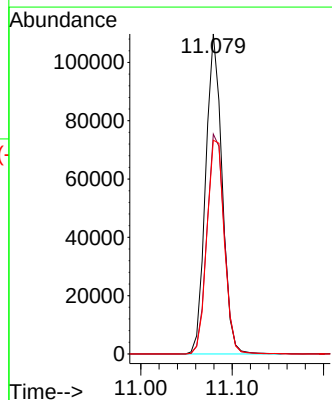
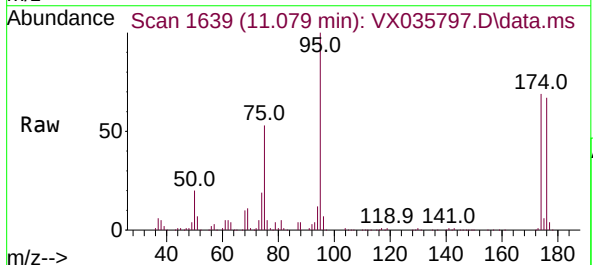
Tgt Ion: 95 Resp: 136596

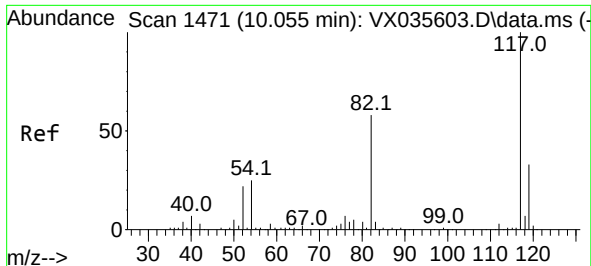
Ion Ratio Lower Upper

95 100

174 72.6 0.0 147.4

176 70.9 0.0 140.6

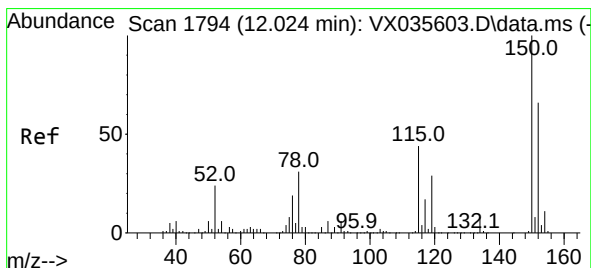
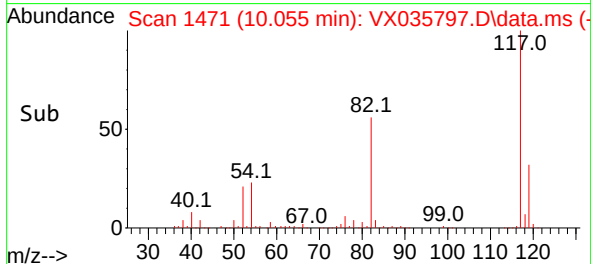
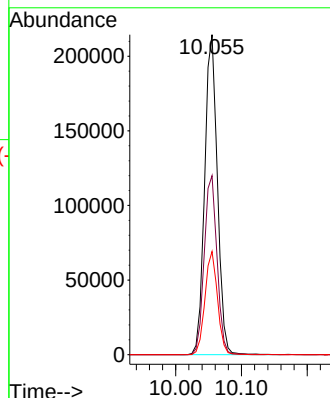
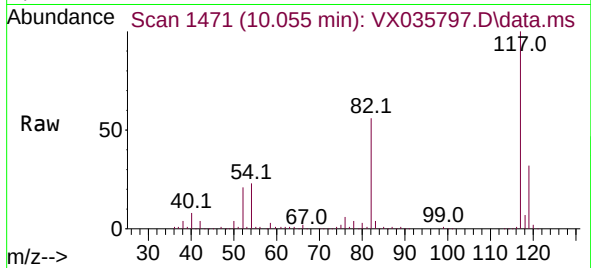




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

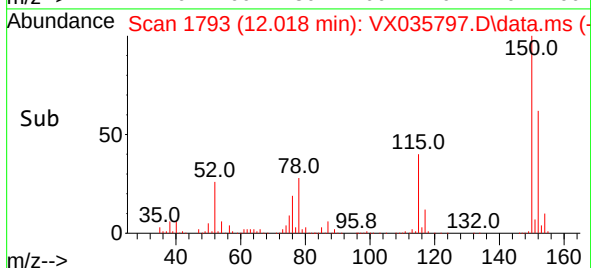
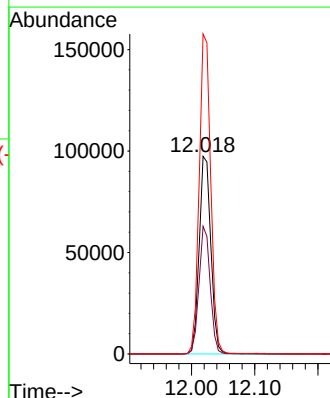
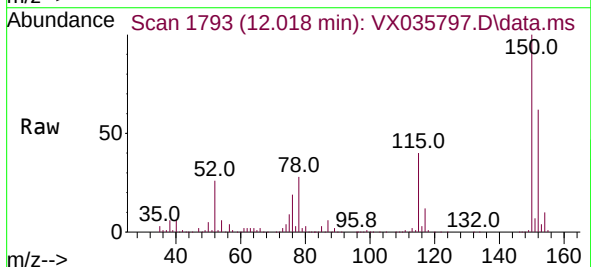
Instrument :
MSVOA_X
ClientSampleId :
SOIL-BIN

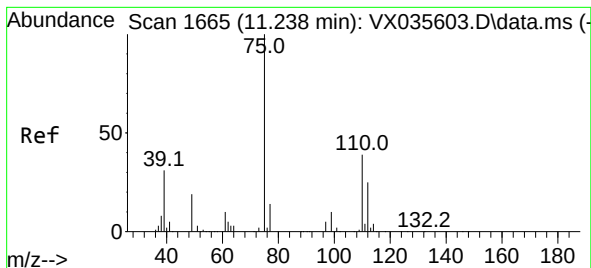
Tgt Ion:117 Resp: 288449
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.4
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX035797.D
Acq: 22 May 2023 20:05

Tgt Ion:152 Resp: 125006
Ion Ratio Lower Upper
152 100
115 62.2 45.0 135.0
150 159.9 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 23.384 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX035797.D

Acq: 22 May 2023 20:05

Instrument :

MSVOA_X

ClientSampleId :

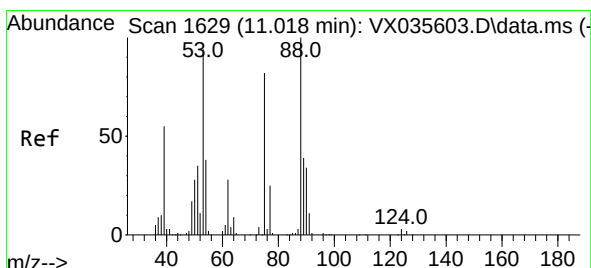
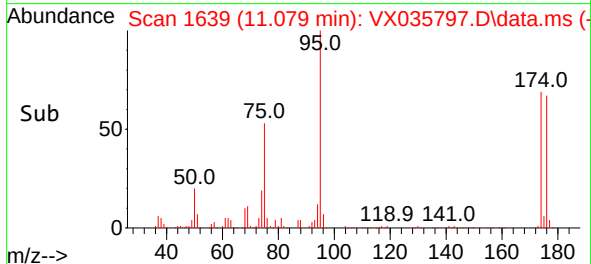
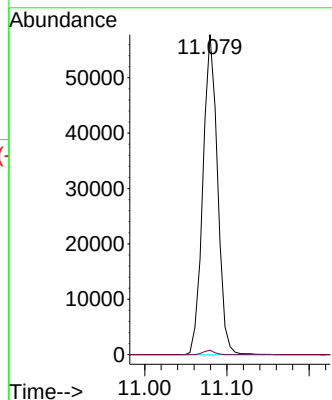
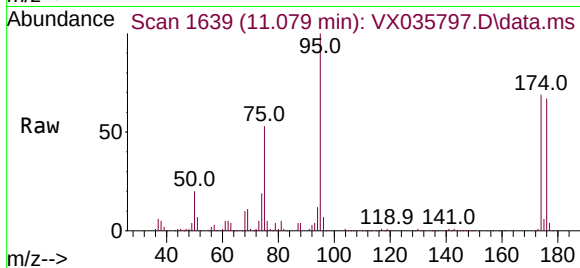
SOIL-BIN

Tgt Ion: 75 Resp: 71500

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.362 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX035797.D

Acq: 22 May 2023 20:05

Tgt Ion: 75 Resp: 71500

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

