

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044960.D
 Acq On : 14 Feb 2025 14:43
 Operator : JC/MD
 Sample : Q1352-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TAP-IDW-SOIL-021025

Quant Time: Feb 14 15:09:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

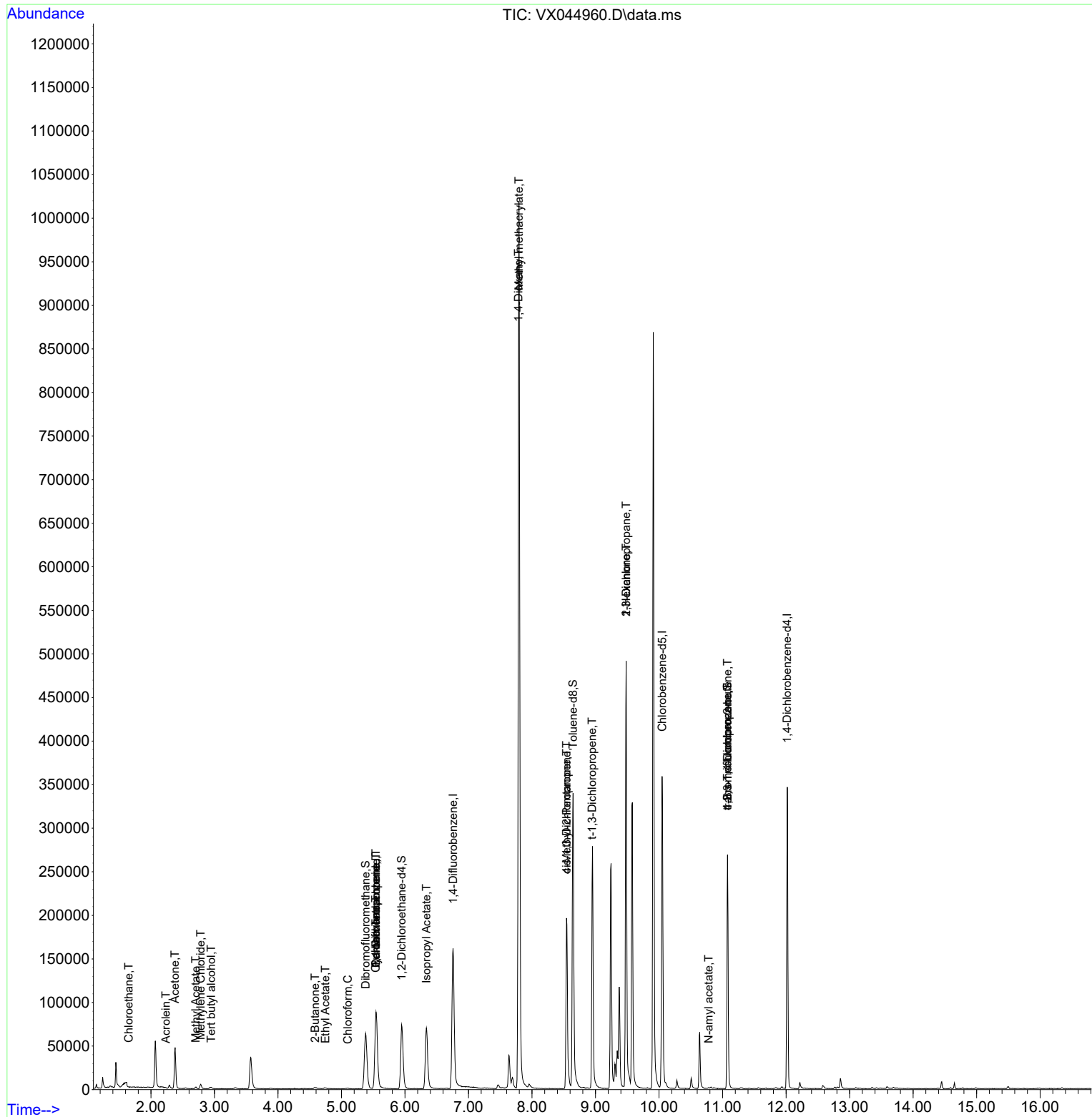
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	83348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169946	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	154821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66540	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67561	55.37	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.74%			
35) Dibromofluoromethane	5.379	113	56676	51.29	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.58%			
50) Toluene-d8	8.647	98	211950	50.73	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.46%			
62) 4-Bromofluorobenzene	11.079	95	72775	51.67	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.34%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	87	1.47	ug/l #	42
11) Tert butyl alcohol	2.947	59	1739	7.68	ug/l #	73
13) Acrolein	2.233	56	500	2.14	ug/l	95
16) Acetone	2.380	43	49394	100.71	ug/l	96
18) Methyl Acetate	2.703	43	2336	1.51	ug/l #	89
20) Methylene Chloride	2.782	84	2256	1.88	ug/l	91
25) 2-Butanone	4.587	43	3440	4.32	ug/l #	89
30) Chloroform	5.099	83	879	0.44	ug/l	91
31) Cyclohexane	5.538	56	2126	1.12	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	7316	4.59	ug/l #	50
37) Ethyl Acetate	4.745	43	2719	1.53	ug/l #	73
38) Carbon Tetrachloride	5.544	117	9006	5.77	ug/l #	14
43) Isopropyl Acetate	6.336	43	100784	35.20	ug/l	99
48) Methyl methacrylate	7.793	41	87680	64.94	ug/l #	44
49) 1,4-Dioxane	7.787	88	70	2.42	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	77024	44.25	ug/l #	50
53) t-1,3-Dichloropropene	8.945	75	634	0.38	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	32781	17.47	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	4585	2.30	ug/l #	42
59) 2-Hexanone	9.482	43	61975	49.41	ug/l #	51
74) N-amyl acetate	10.781	43	591	0.24	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	38480	26.08	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	38480	67.10	ug/l #	11

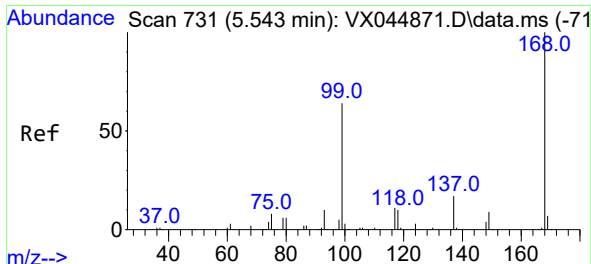
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TAP-IDW-SOIL-021025

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Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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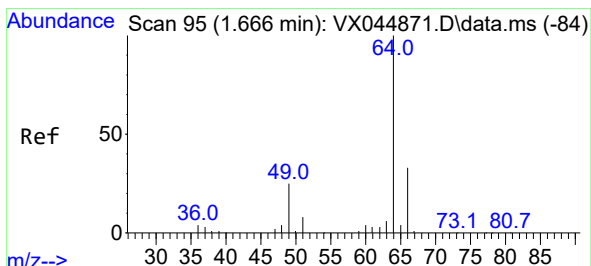
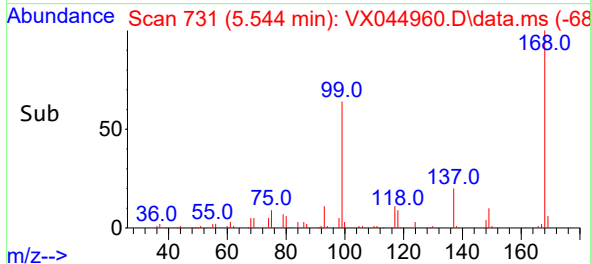
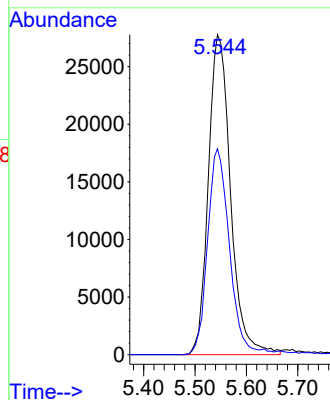
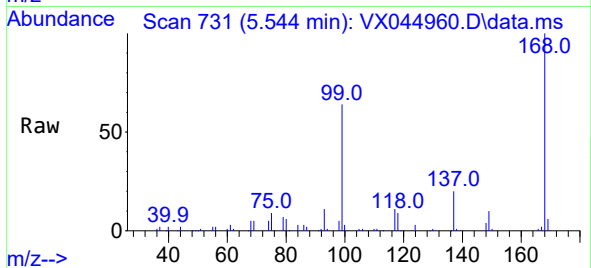




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

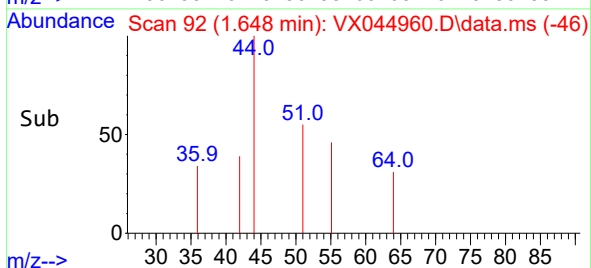
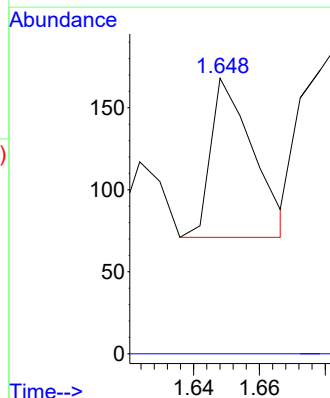
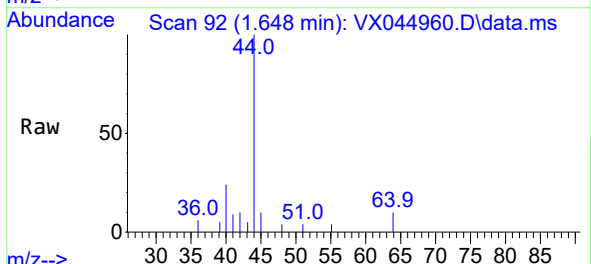
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

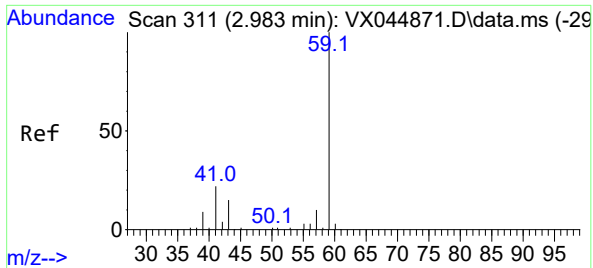
Tgt Ion:168 Resp: 83348
Ion Ratio Lower Upper
168 100
99 64.3 51.2 76.8



#6
Chloroethane
Concen: 1.47 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 64 Resp: 87
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

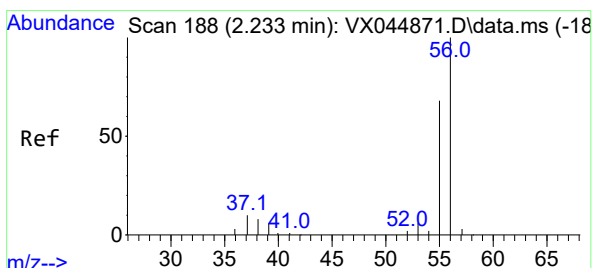
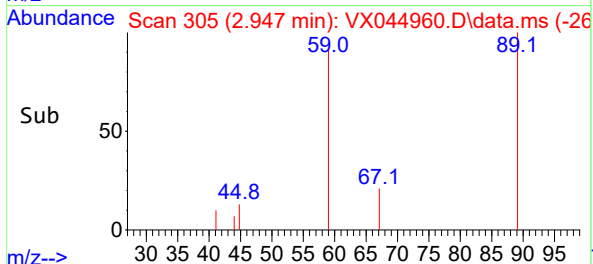
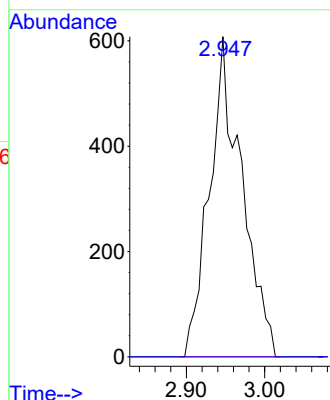
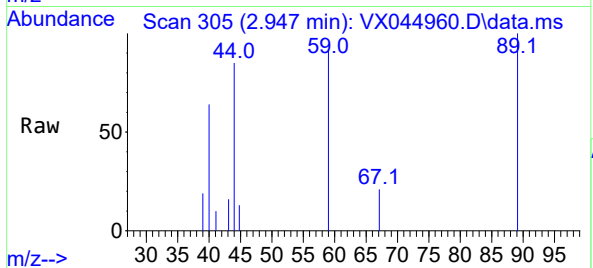




#11
Tert butyl alcohol
Concen: 7.68 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

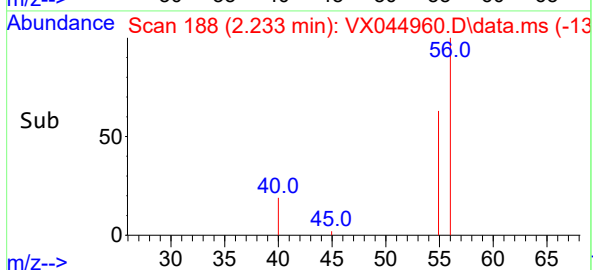
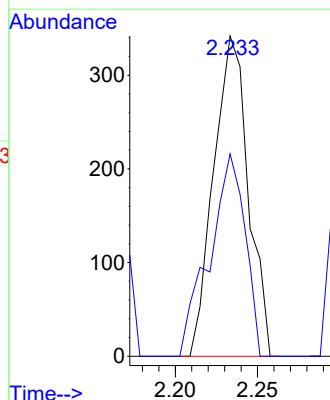
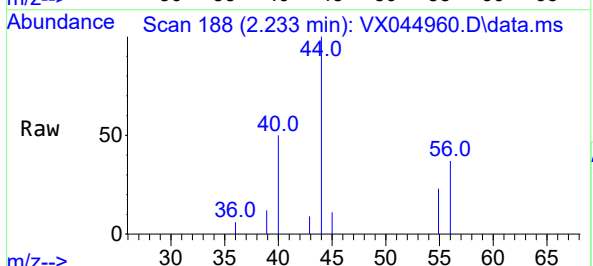
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

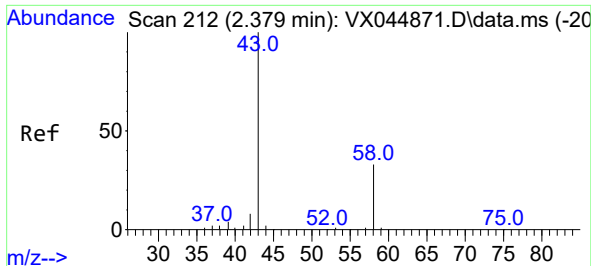
Tgt Ion: 59 Resp: 1739
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 2.14 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 56 Resp: 500
Ion Ratio Lower Upper
56 100
55 65.2 55.7 83.5

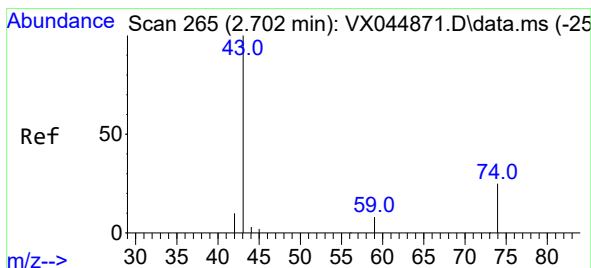
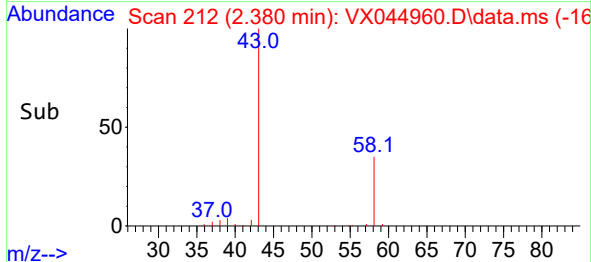
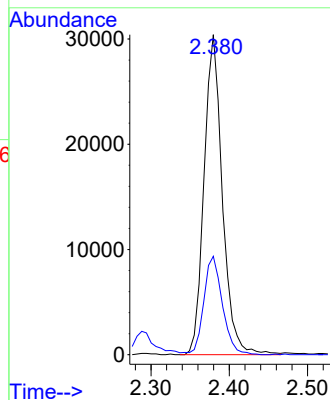
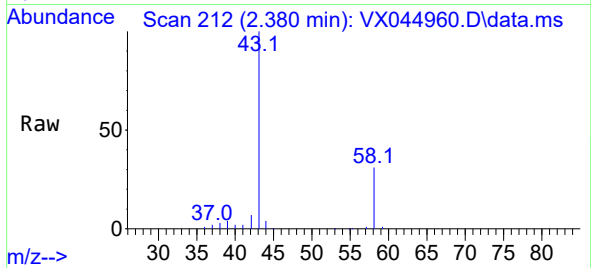




#16
Acetone
Concen: 100.71 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

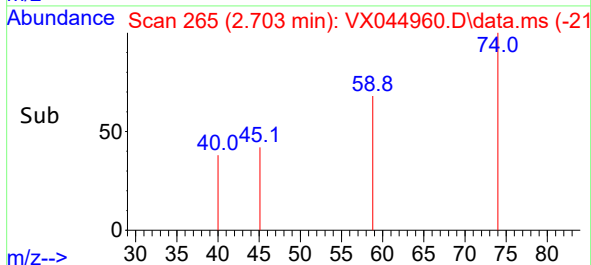
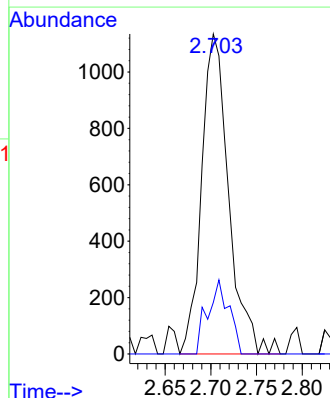
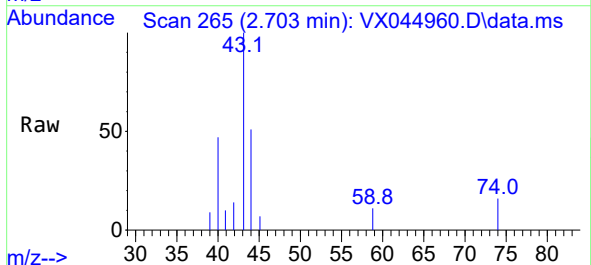
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

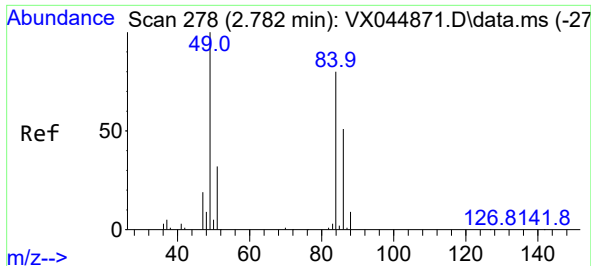
Tgt Ion: 43 Resp: 49394
Ion Ratio Lower Upper
43 100
58 30.8 26.5 39.7



#18
Methyl Acetate
Concen: 1.51 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

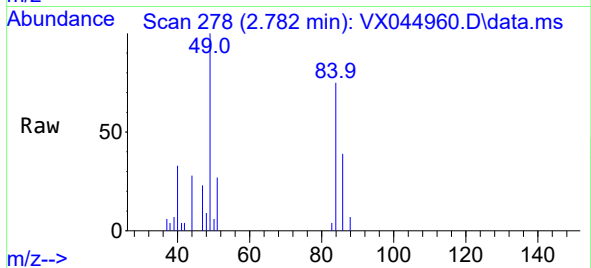
Tgt Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
74 18.2 18.9 28.3#





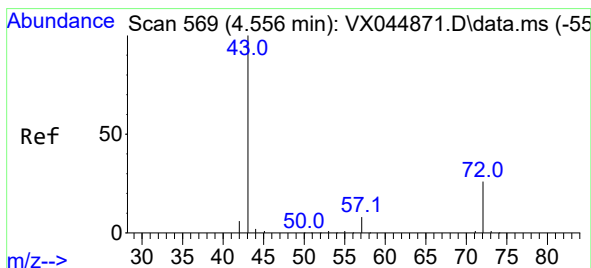
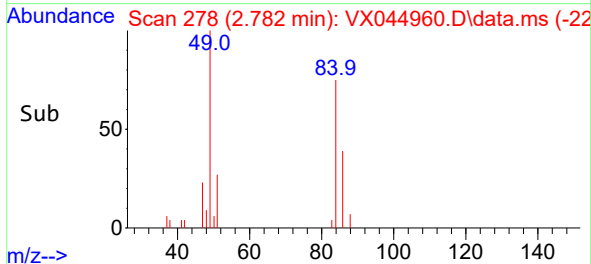
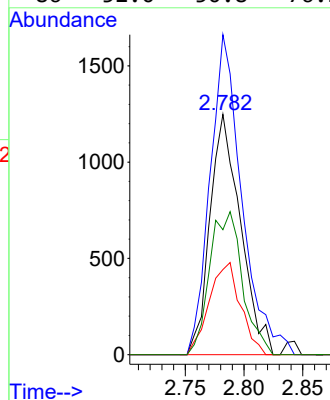
#20
Methylene Chloride
Concen: 1.88 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025



Tgt Ion: 84 Resp: 2256

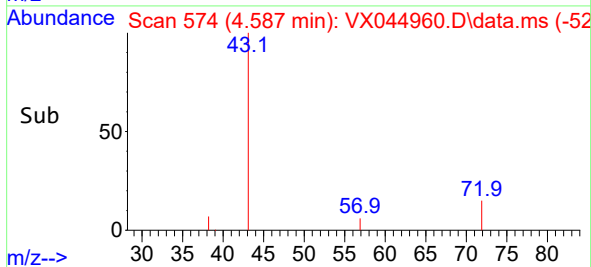
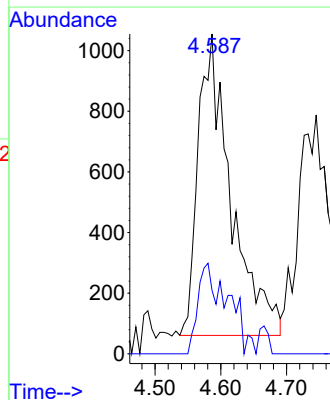
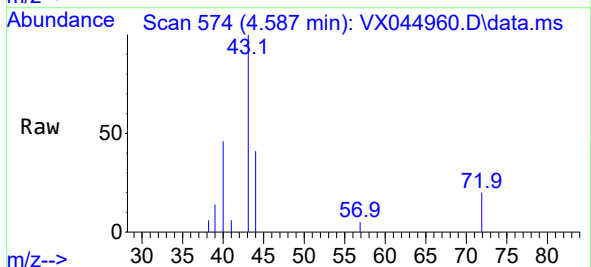
Ion	Ratio	Lower	Upper
84	100		
49	133.2	100.1	150.1
51	35.4	31.7	47.5
86	52.0	50.8	76.2

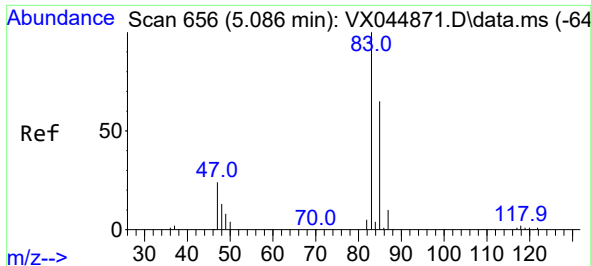


#25
2-Butanone
Concen: 4.32 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 43 Resp: 3440

Ion	Ratio	Lower	Upper
43	100		
72	21.0	21.2	31.8#





#30

Chloroform

Concen: 0.44 ug/l

RT: 5.099 min Scan# 6

Delta R.T. 0.012 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

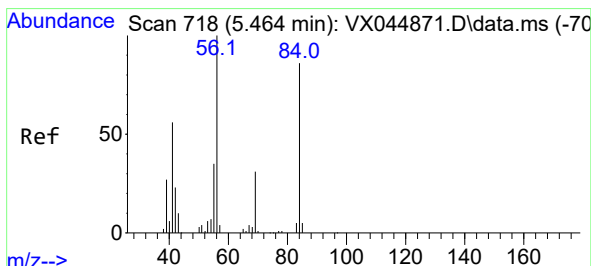
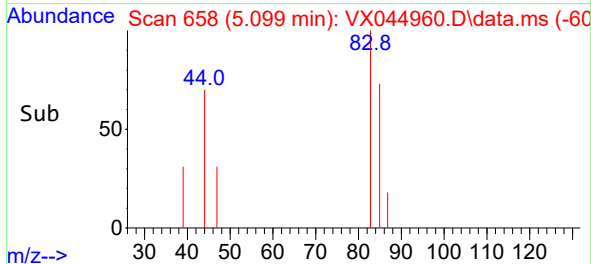
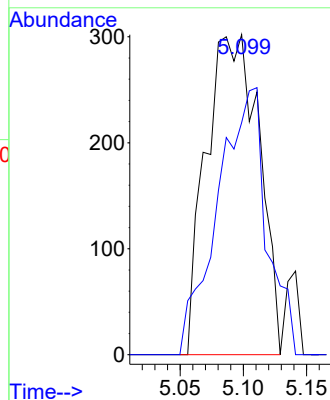
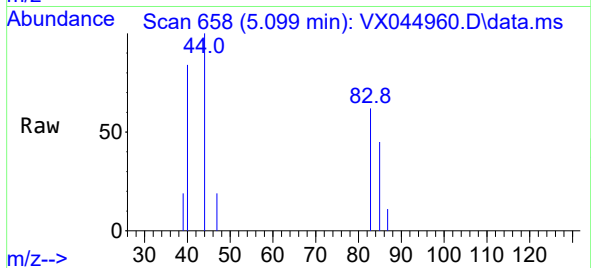
TAP-IDW-SOIL-021025

Tgt Ion: 83 Resp: 879

Ion Ratio Lower Upper

83 100

85 72.5 52.1 78.1



#31

Cyclohexane

Concen: 1.12 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

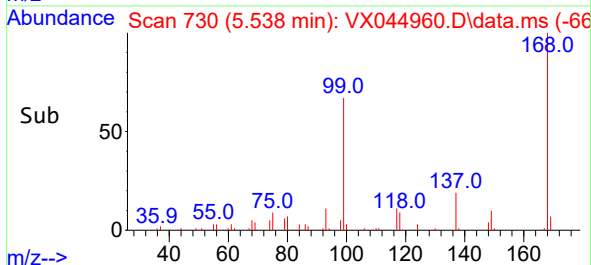
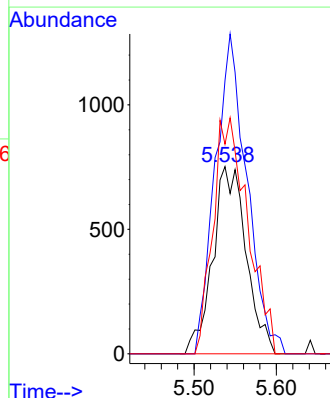
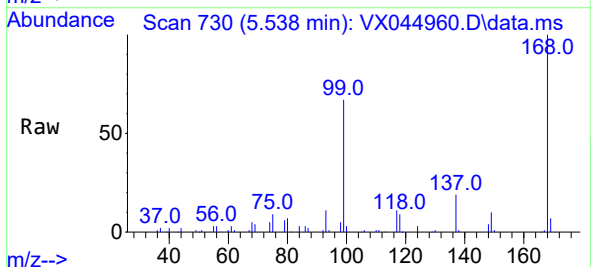
Tgt Ion: 56 Resp: 2126

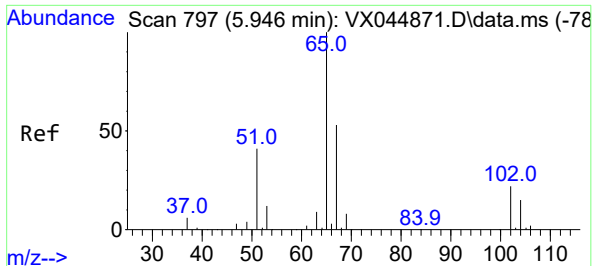
Ion Ratio Lower Upper

56 100

69 146.0 24.4 36.6#

84 112.0 69.0 103.6#

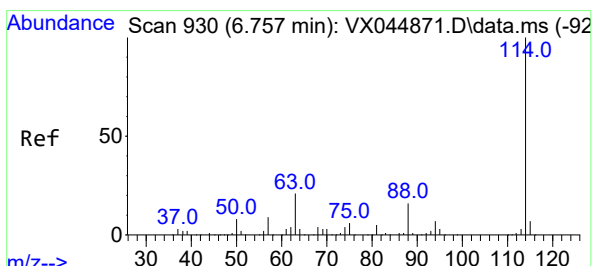
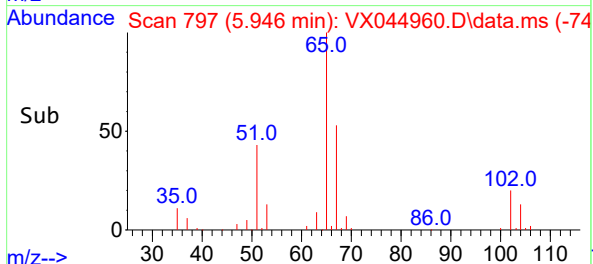
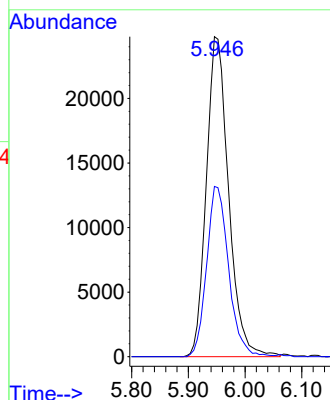
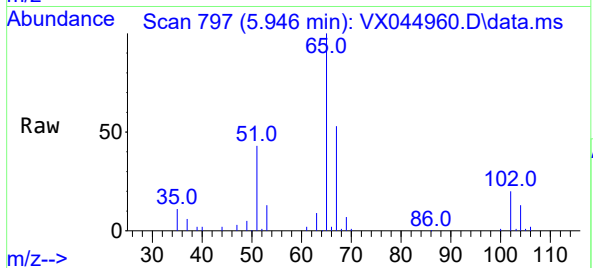




#33
 1,2-Dichloroethane-d4
 Concen: 55.37 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX044960.D
 Acq: 14 Feb 2025 14:43

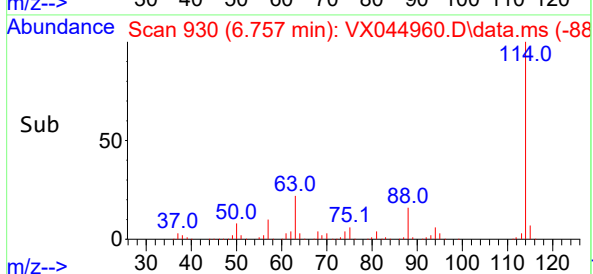
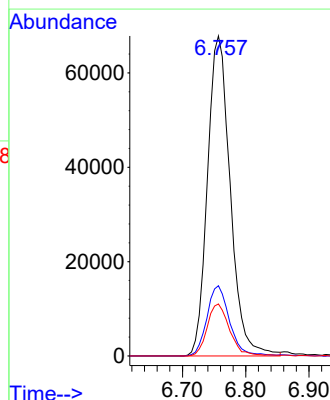
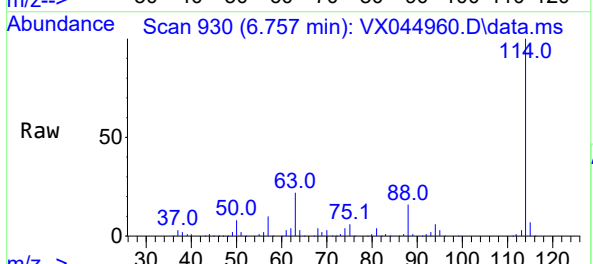
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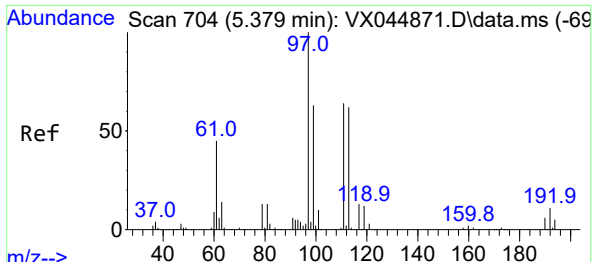
Tgt Ion: 65 Resp: 67561
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044960.D
 Acq: 14 Feb 2025 14:43

Tgt Ion: 114 Resp: 169946
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.4
 88 16.3 0.0 31.4

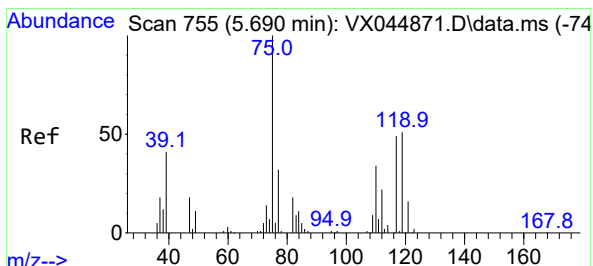
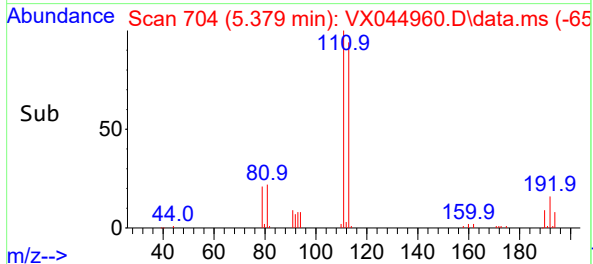
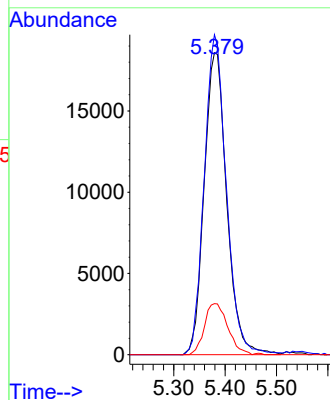
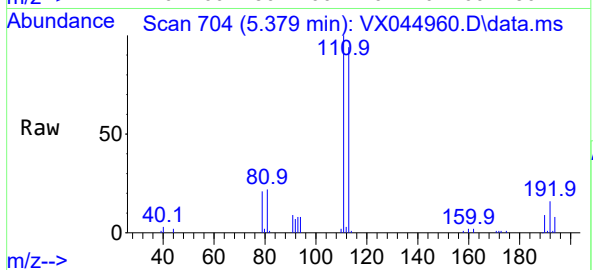




#35
Dibromofluoromethane
Concen: 51.29 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

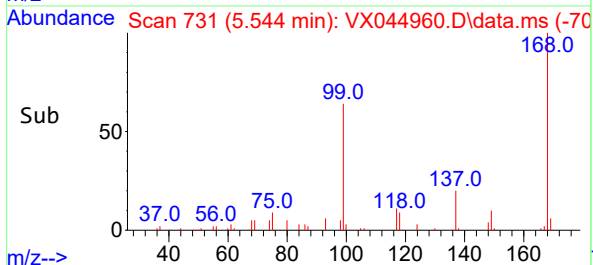
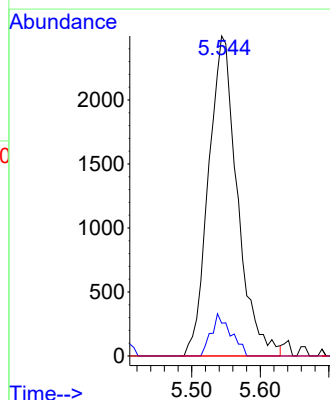
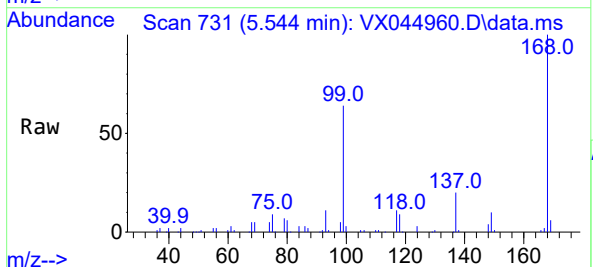
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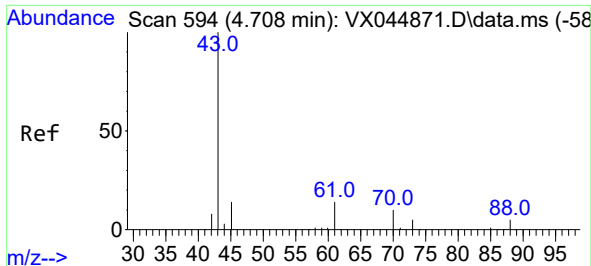
Tgt Ion:113 Resp: 56676
Ion Ratio Lower Upper
113 100
111 103.6 83.5 125.3
192 17.5 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.59 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 75 Resp: 7316
Ion Ratio Lower Upper
75 100
110 8.9 17.2 51.6#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.53 ug/l

RT: 4.745 min Scan# 60

Delta R.T. 0.037 min

Lab File: VX044960.D

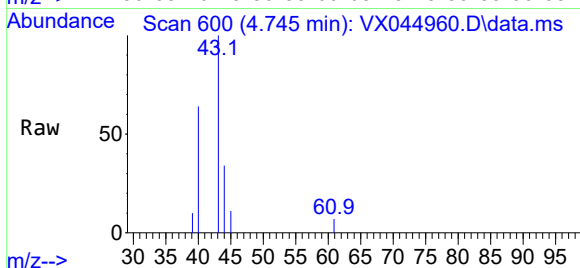
Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

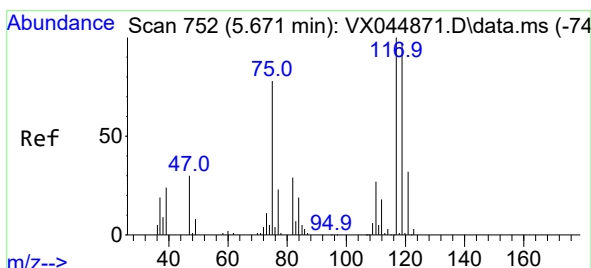
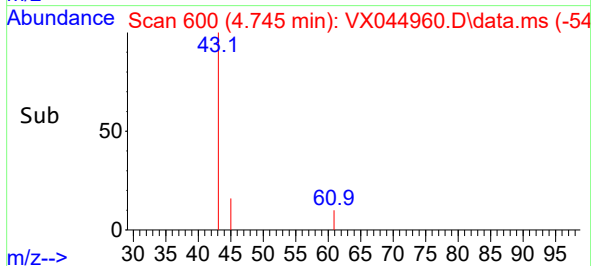
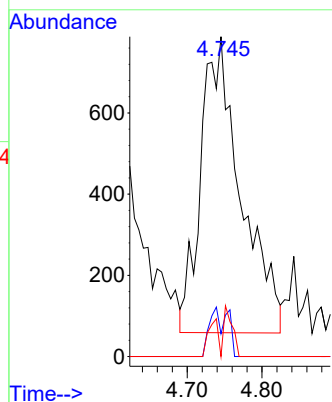
ClientSampleId :

TAP-IDW-SOIL-021025



Tgt Ion: 43 Resp: 2719

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	3.7	8.2	12.2#



#38

Carbon Tetrachloride

Concen: 5.77 ug/l

RT: 5.544 min Scan# 731

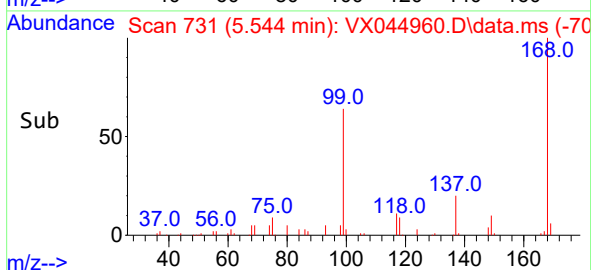
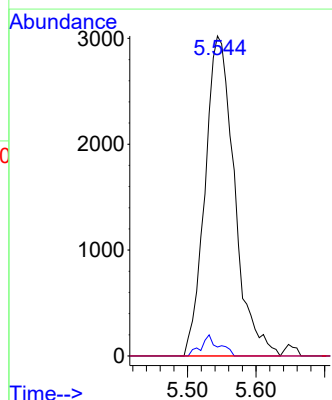
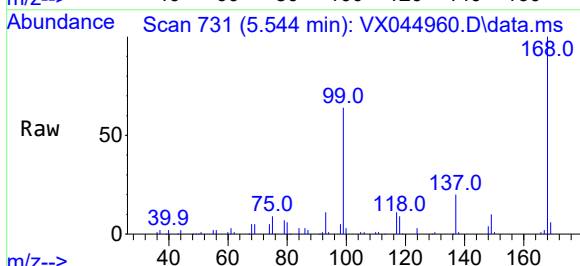
Delta R.T. -0.128 min

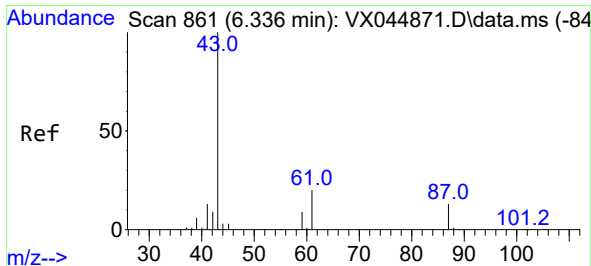
Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Tgt Ion: 117 Resp: 9006

Ion	Ratio	Lower	Upper
117	100		
119	2.8	77.5	116.3#
121	0.0	25.6	38.4#

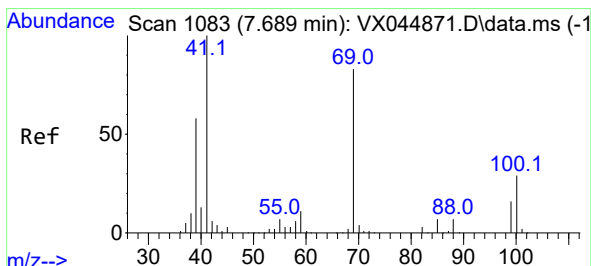
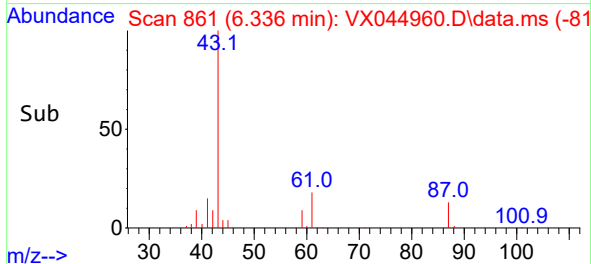
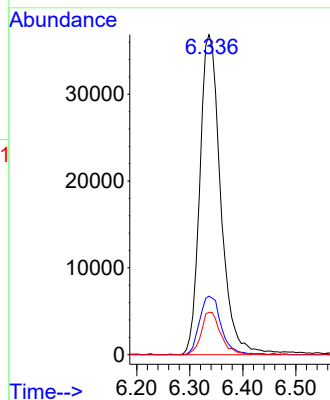
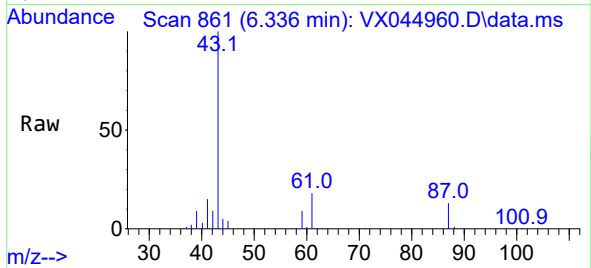




#43
Isopropyl Acetate
Concen: 35.20 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

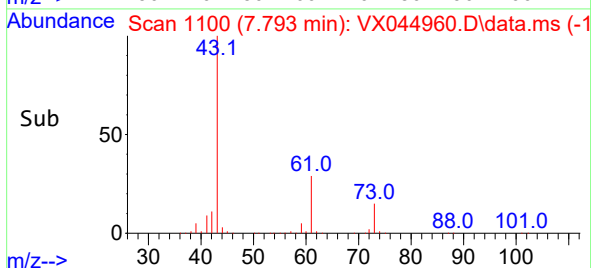
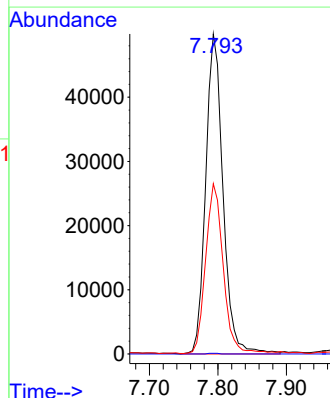
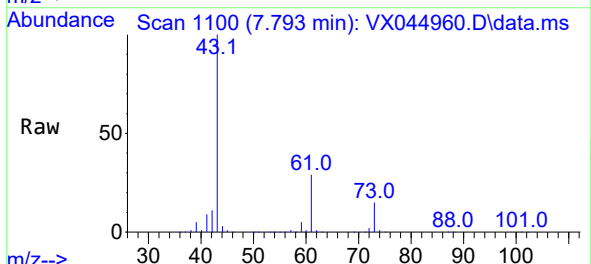
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

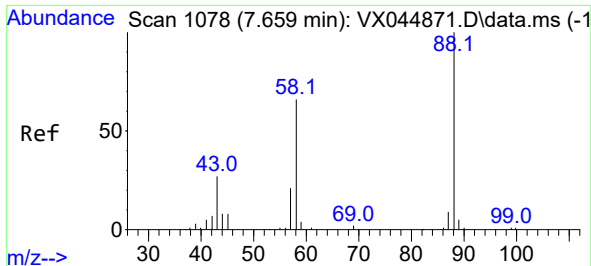
Tgt Ion: 43 Resp: 100784
Ion Ratio Lower Upper
43 100
61 18.8 15.8 23.8
87 12.4 10.0 15.0



#48
Methyl methacrylate
Concen: 64.94 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 41 Resp: 87680
Ion Ratio Lower Upper
41 100
69 0.1 65.8 98.8#
39 53.8 46.4 69.6





#49

1,4-Dioxane

Concen: 2.42 ug/l

RT: 7.787 min Scan# 10

Delta R.T. 0.128 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

TAP-IDW-SOIL-021025

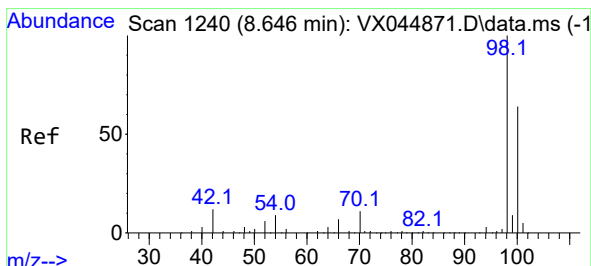
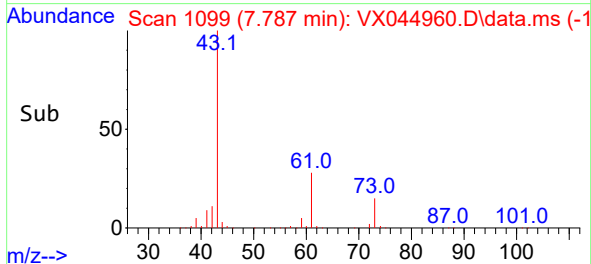
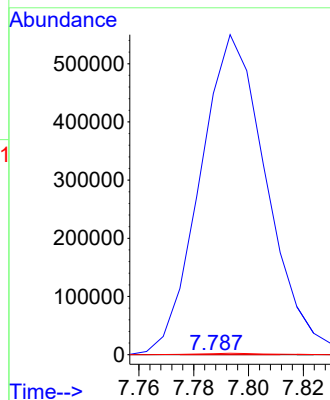
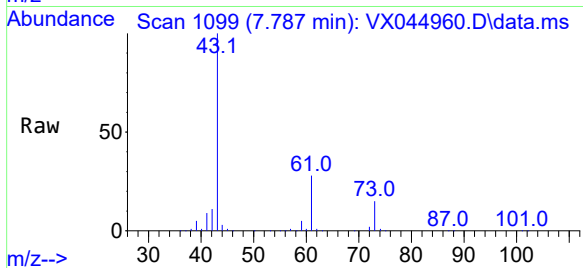
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 1364122.9 26.6 39.8#

58 5911.4 55.9 83.9#



#50

Toluene-d8

Concen: 50.73 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044960.D

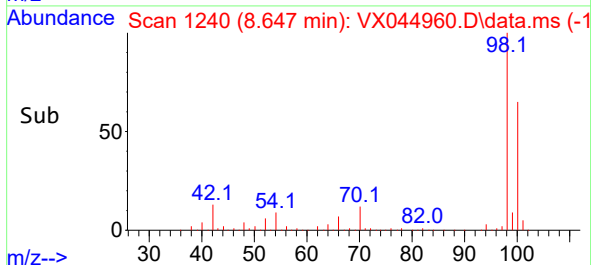
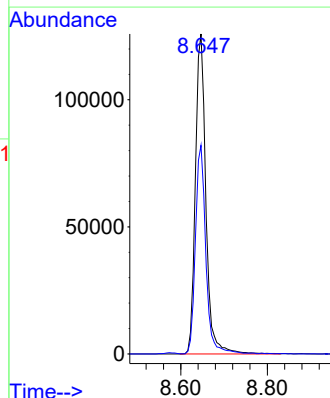
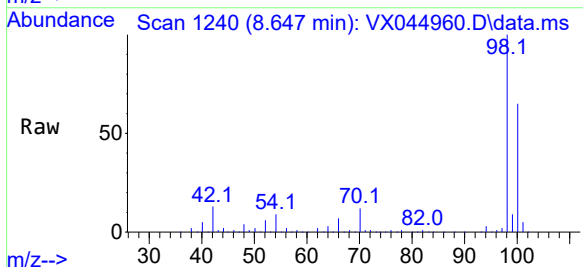
Acq: 14 Feb 2025 14:43

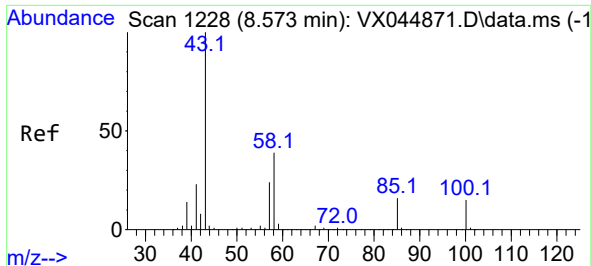
Tgt Ion: 98 Resp: 211950

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1

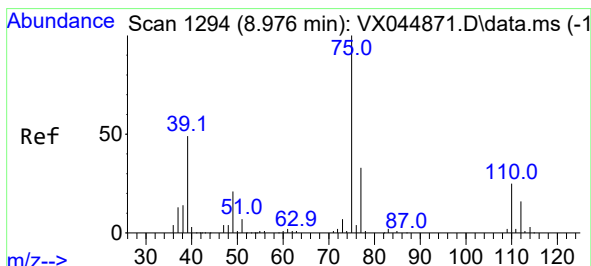
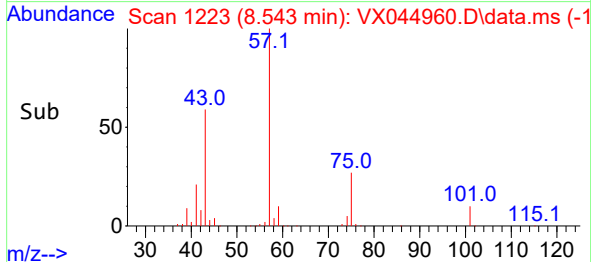
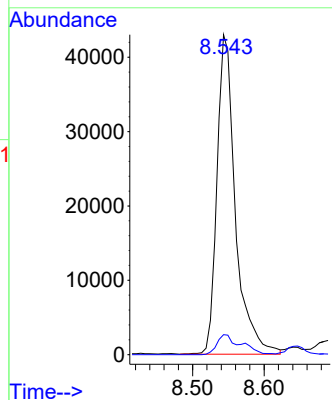
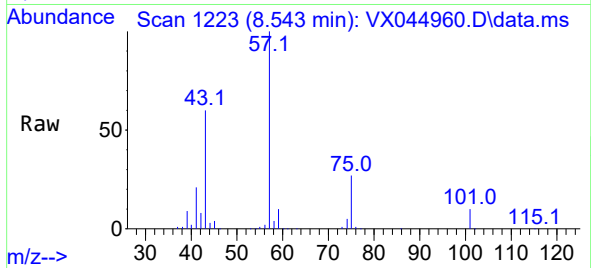




#51
4-Methyl-2-Pentanone
Concen: 44.25 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

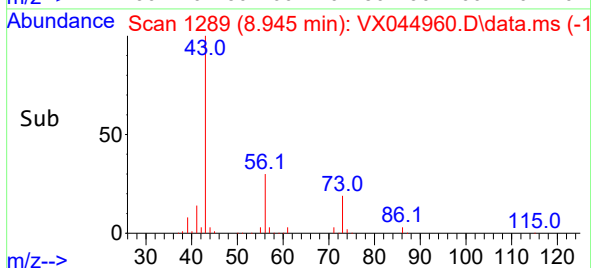
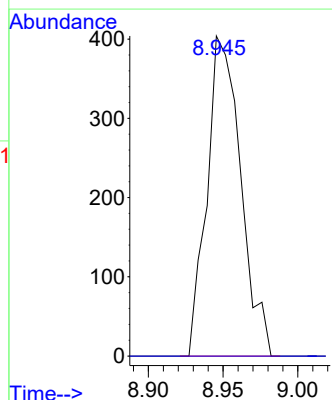
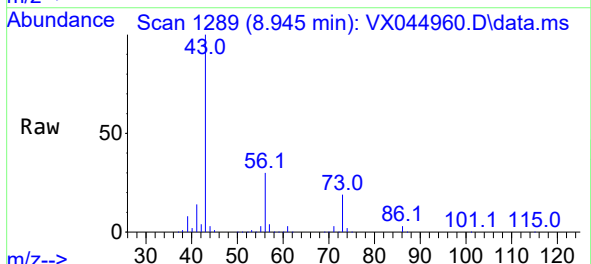
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

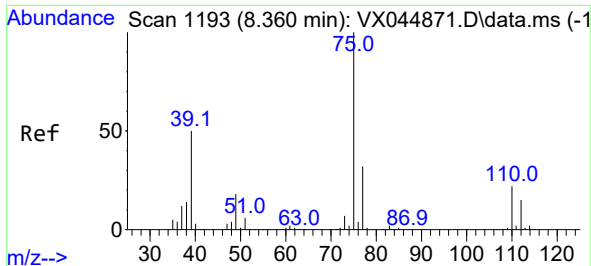
Tgt Ion: 43 Resp: 77024
Ion Ratio Lower Upper
43 100
58 8.2 30.8 46.2#



#53
t-1,3-Dichloropropene
Concen: 0.38 ug/l
RT: 8.945 min Scan# 1289
Delta R.T. -0.030 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 75 Resp: 634
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#

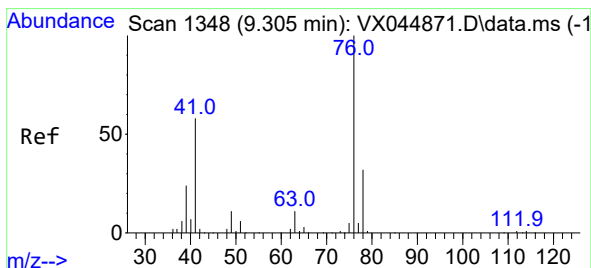
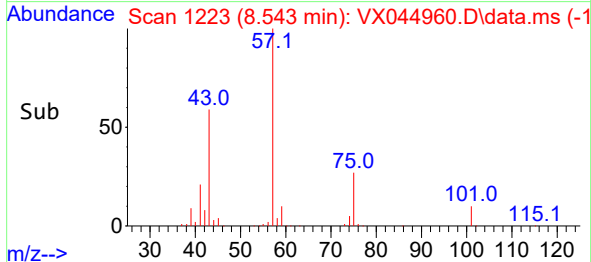
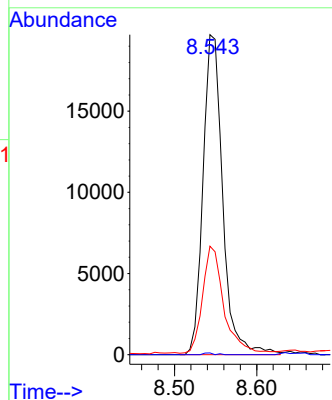
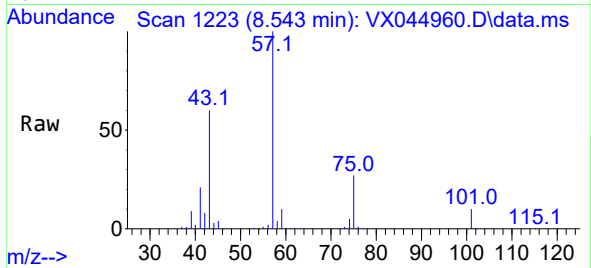




#54
 cis-1,3-Dichloropropene
 Concen: 17.47 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX044960.D
 Acq: 14 Feb 2025 14:43

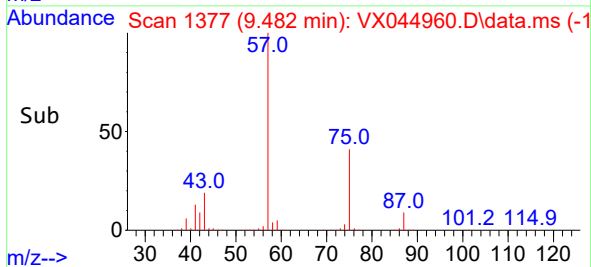
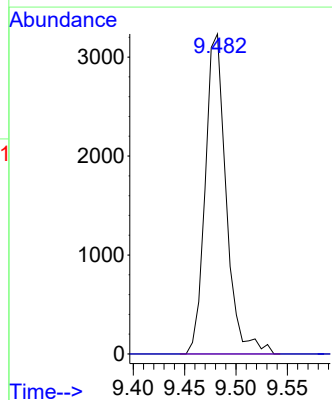
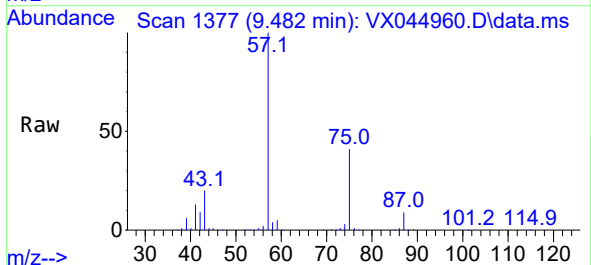
Instrument :
 MSVOA_X
 ClientSampleId :
 TAP-IDW-SOIL-021025

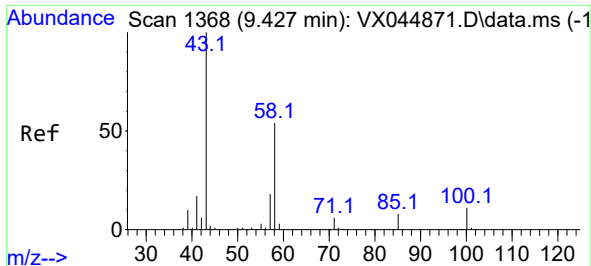
Tgt Ion: 75 Resp: 32781
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 33.5 40.0 60.0#



#57
 1,3-Dichloropropane
 Concen: 2.30 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX044960.D
 Acq: 14 Feb 2025 14:43

Tgt Ion: 76 Resp: 4585
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

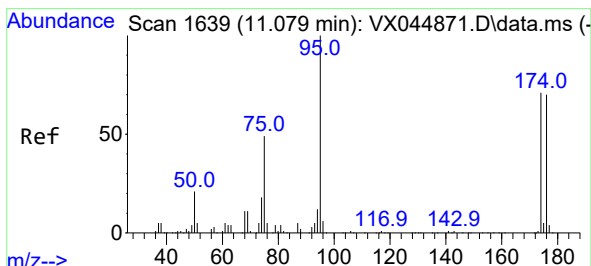
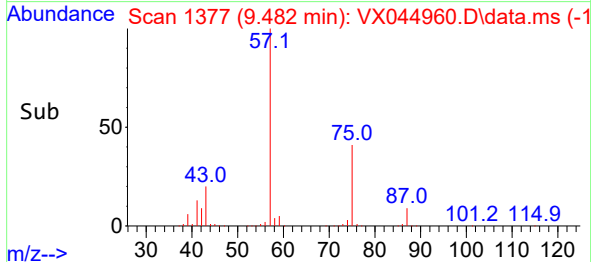
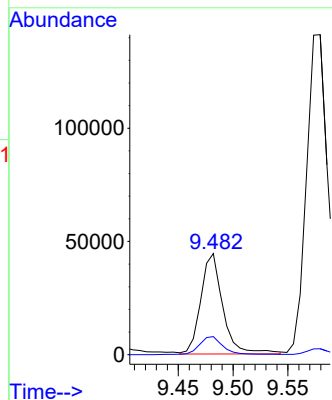
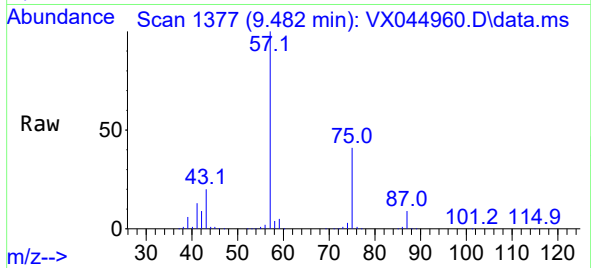




#59
2-Hexanone
Concen: 49.41 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

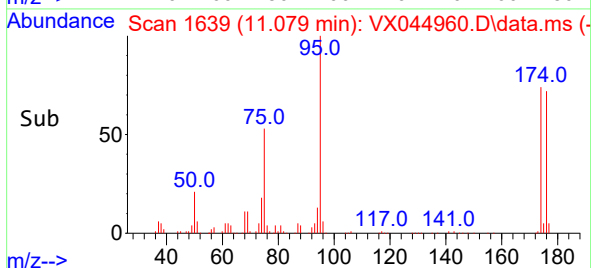
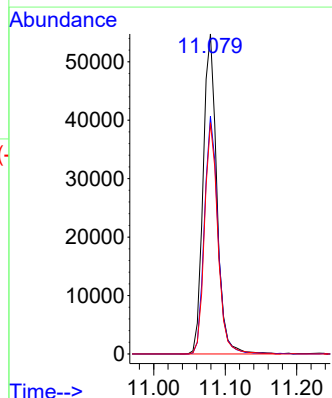
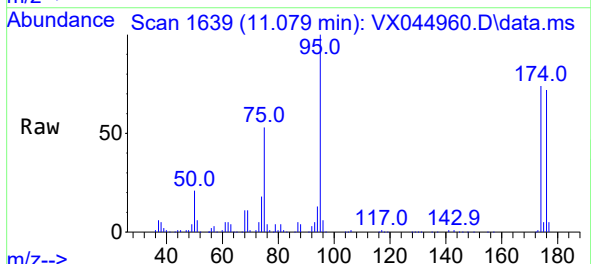
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

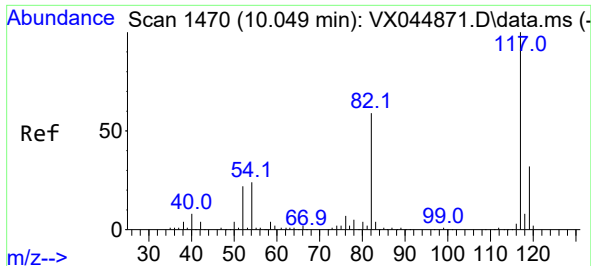
Tgt Ion: 43 Resp: 61975
Ion Ratio Lower Upper
43 100
58 19.7 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 51.67 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 95 Resp: 72775
Ion Ratio Lower Upper
95 100
174 73.7 0.0 142.6
176 70.6 0.0 141.6

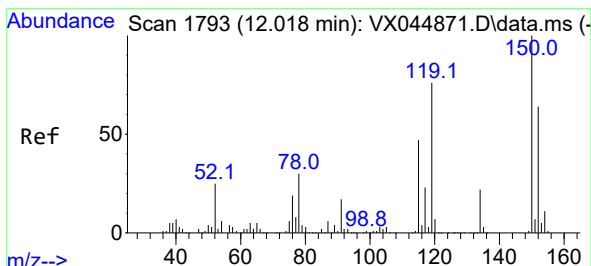
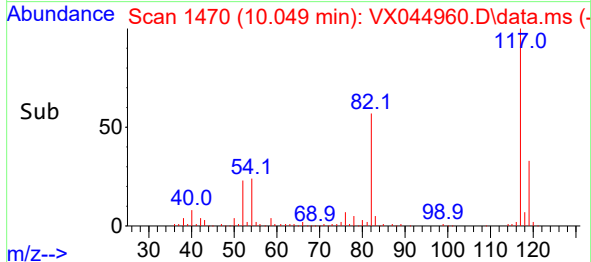
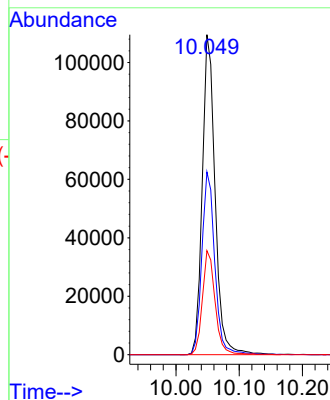
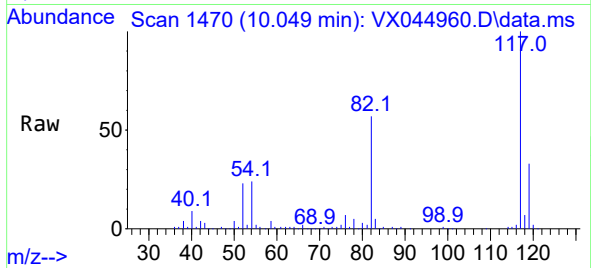




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

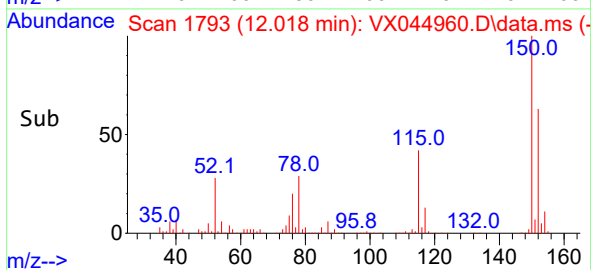
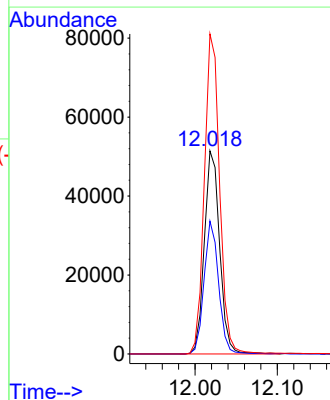
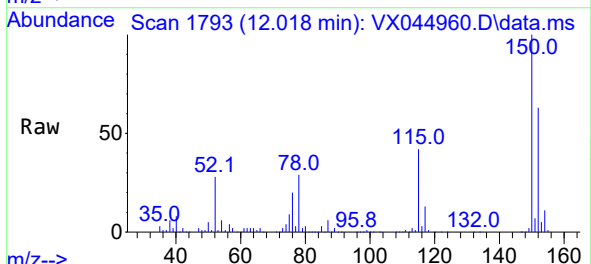
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

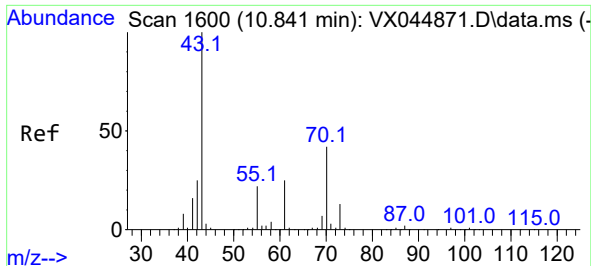
Tgt Ion:117 Resp: 154821
Ion Ratio Lower Upper
117 100
82 57.1 47.5 71.3
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion:152 Resp: 66540
Ion Ratio Lower Upper
152 100
115 62.3 43.4 130.1
150 157.5 0.0 350.4



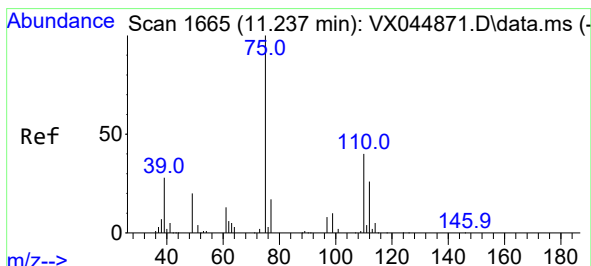
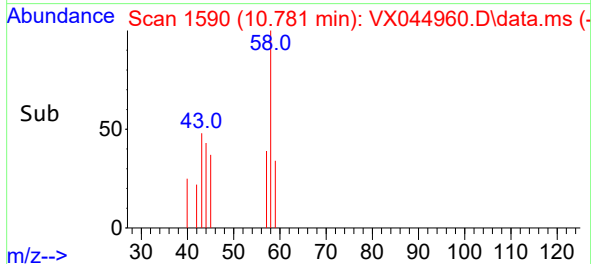
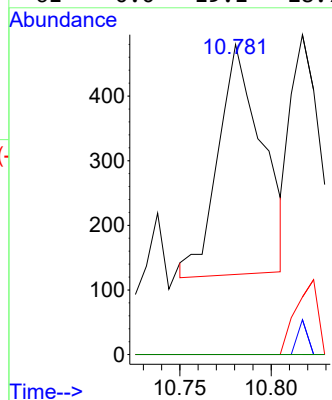
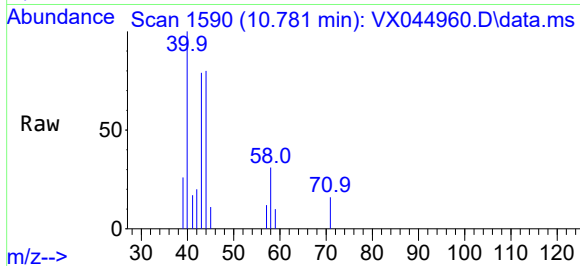


#74
N-amy1 acetate
Concen: 0.24 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

Tgt Ion: 43 Resp: 591

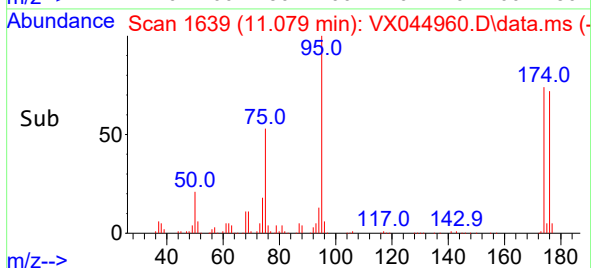
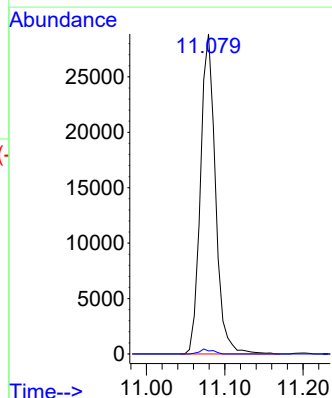
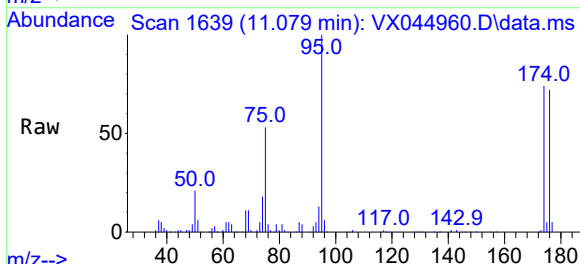
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.7	50.5#
55	0.0	18.6	27.8#
61	0.0	19.1	28.7#

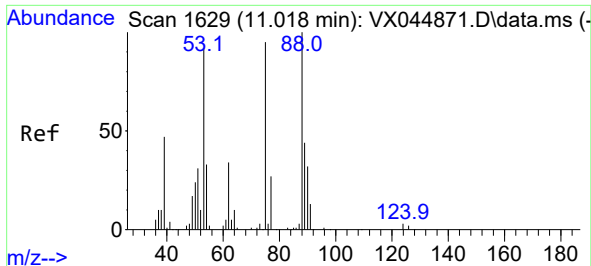


#76
1,2,3-Trichloropropane
Concen: 26.08 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Tgt Ion: 75 Resp: 38480

Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.9	65.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.10 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

Tgt Ion: 75 Resp: 38480
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

