

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 22:15:02 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

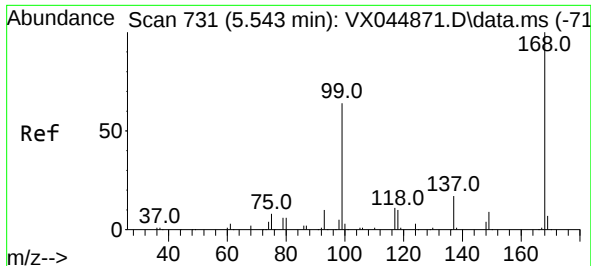
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	83348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	154821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67561	55.375	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.740%			
35) Dibromofluoromethane	5.379	113	56676	51.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	8.647	98	211950	50.728	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	72775	51.666	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.340%			
Target Compounds						Qvalue
6) Chloroethane	1.648	64	87	1.472	ug/l #	42
11) Tert butyl alcohol	2.947	59	1739	7.683	ug/l #	73
13) Acrolein	2.233	56	500	2.141	ug/l	95
16) Acetone	2.380	43	49394	100.706	ug/l	96
18) Methyl Acetate	2.703	43	2336	1.509	ug/l #	89
20) Methylene Chloride	2.782	84	2256	1.878	ug/l	91
25) 2-Butanone	4.587	43	3440	4.319	ug/l #	89
30) Chloroform	5.099	83	879	0.441	ug/l	91
31) Cyclohexane	5.538	56	2126	1.122	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	7316	4.589	ug/l #	50
37) Ethyl Acetate	4.745	43	2719	1.533	ug/l #	73
38) Carbon Tetrachloride	5.544	117	9006	5.765	ug/l #	14
43) Isopropyl Acetate	6.336	43	100784	35.198	ug/l	99
48) Methyl methacrylate	7.793	41	87680	64.944	ug/l #	44
49) 1,4-Dioxane	7.787	88	70	2.417	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	77024	44.248	ug/l #	50
53) t-1,3-Dichloropropene	8.945	75	634	0.377	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	32781	17.471	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	4585	2.299	ug/l #	42
59) 2-Hexanone	9.482	43	61975	49.414	ug/l #	51
74) N-amyl acetate	10.781	43	591	0.244	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	38480	26.083	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	38480	67.095	ug/l #	11

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

Quant Time: Feb 14 22:15:02 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

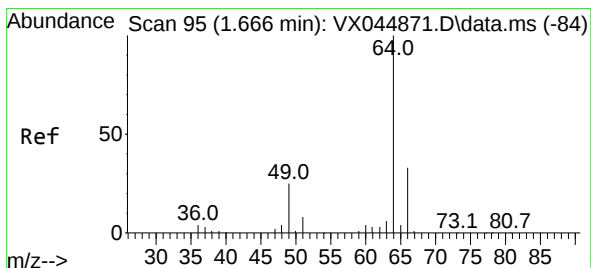
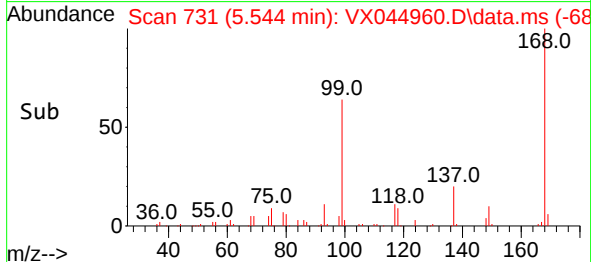
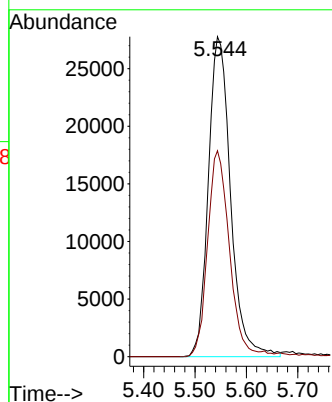
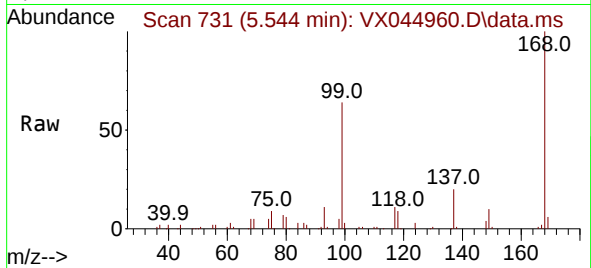




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

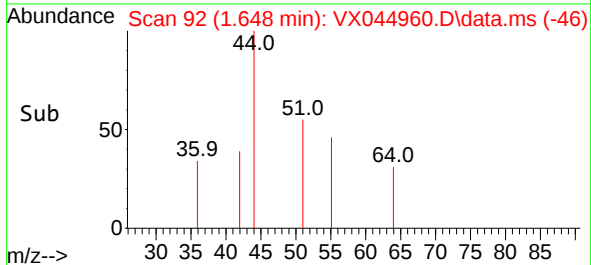
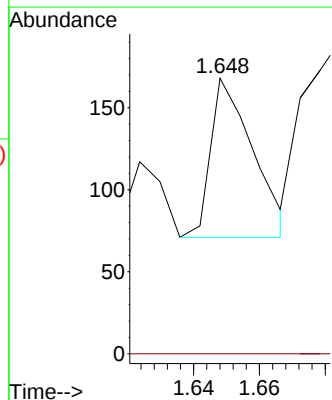
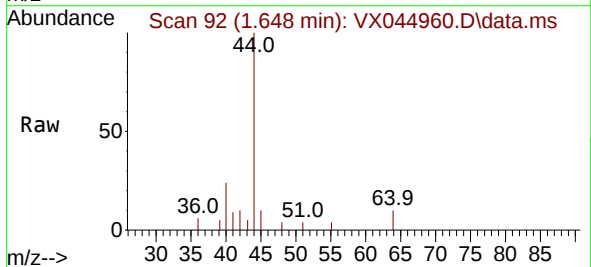
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

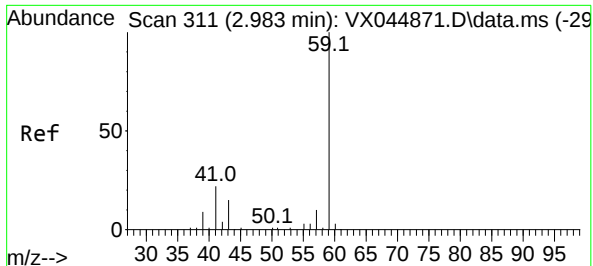
Tgt Ion:168 Resp: 83348
Ion Ratio Lower Upper
168 100
99 64.3 51.2 76.8



#6
Chloroethane
Concen: 1.472 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: 7.683 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.036 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

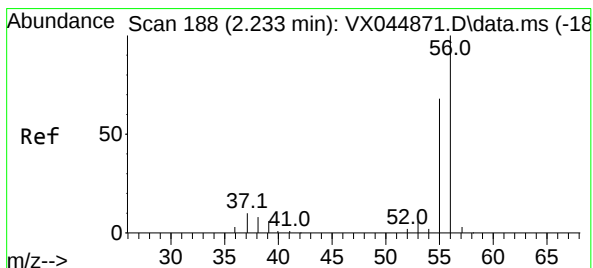
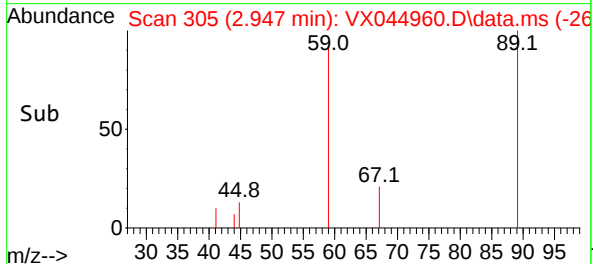
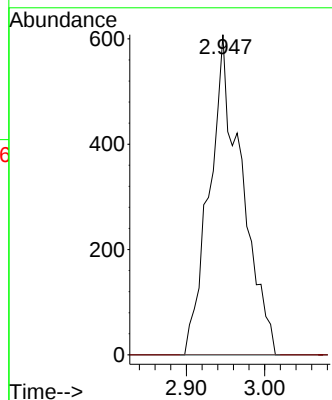
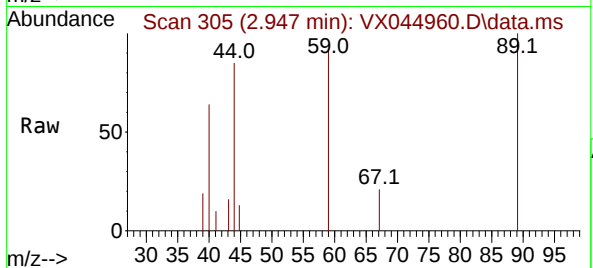
TAP-IDW-SOIL-021025

Tgt Ion: 59 Resp: 1739

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 2.141 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044960.D

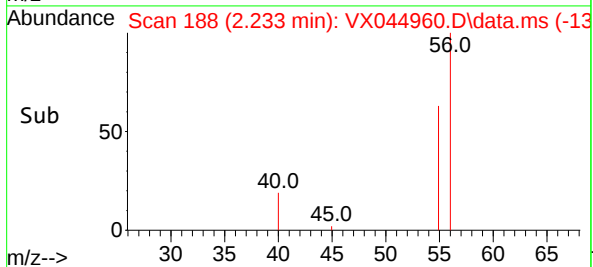
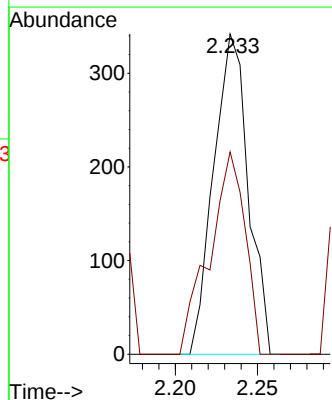
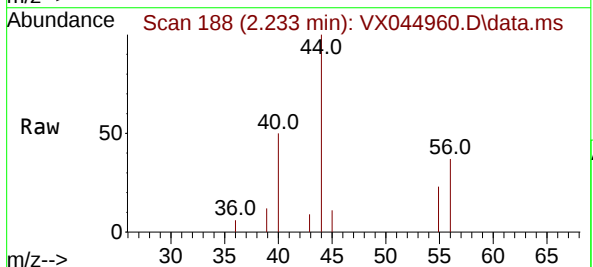
Acq: 14 Feb 2025 14:43

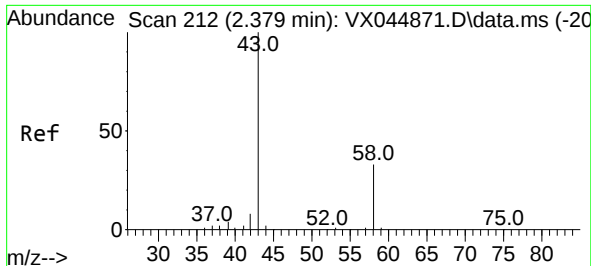
Tgt Ion: 56 Resp: 500

Ion Ratio Lower Upper

56 100

55 65.2 55.7 83.5

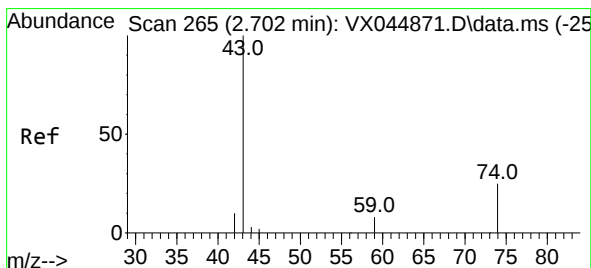
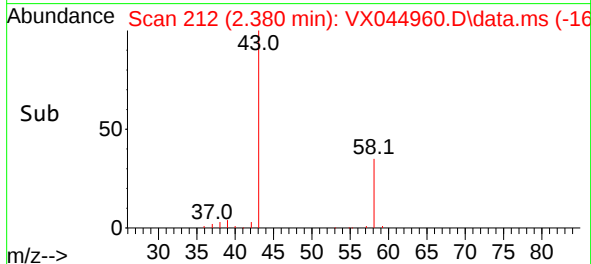
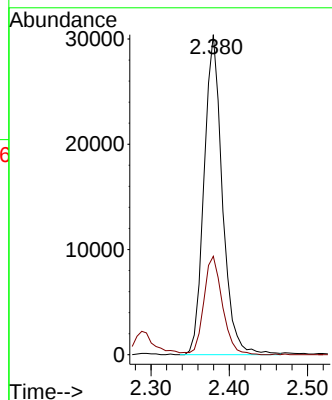
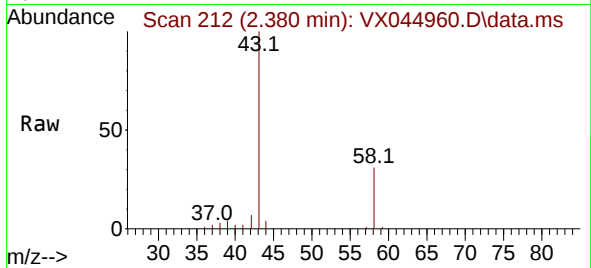




#16
Acetone
Concen: 100.706 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

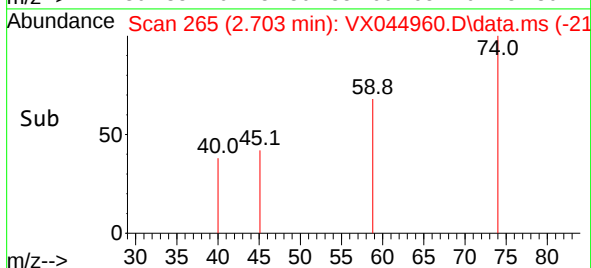
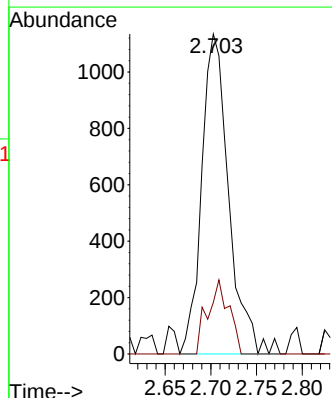
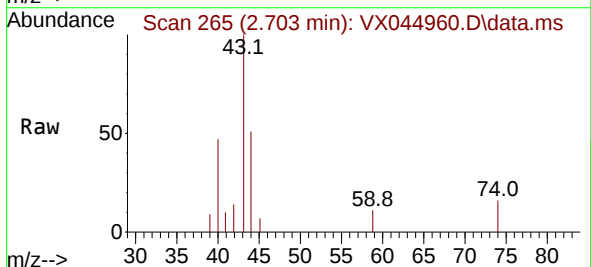
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

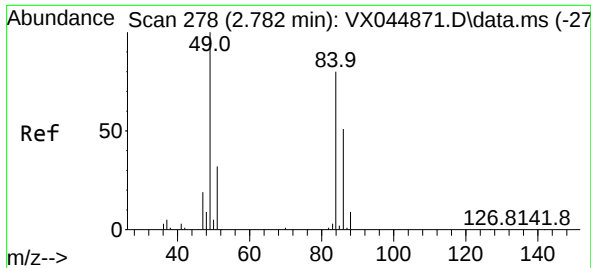
Tgt Ion: 43 Resp: 49394
Ion Ratio Lower Upper
43 100
58 30.8 26.5 39.7



#18
Methyl Acetate
Concen: 1.509 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#

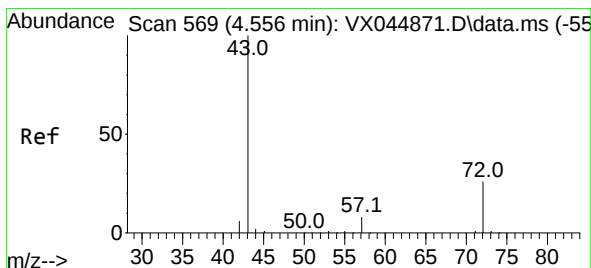
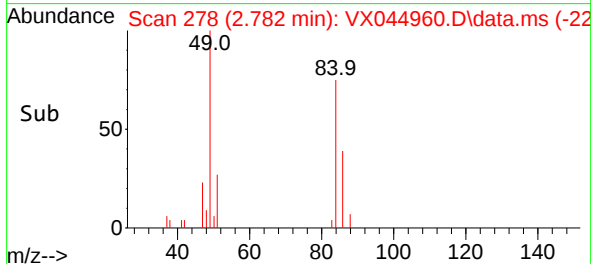
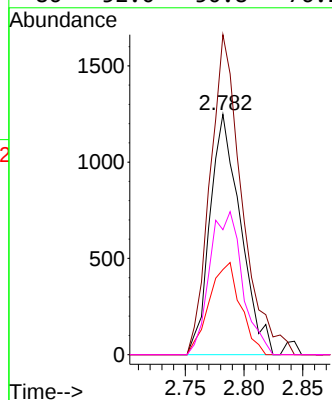
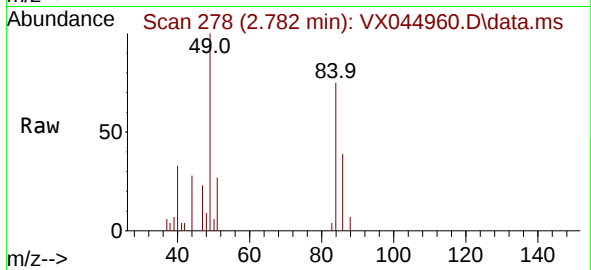




#20
Methylene Chloride
Concen: 1.878 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

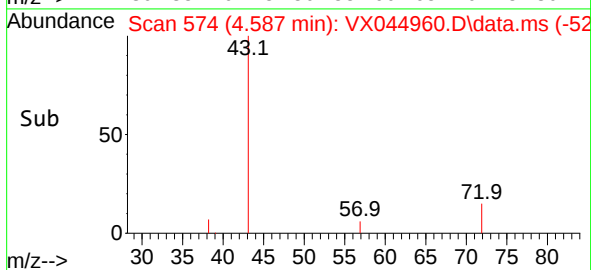
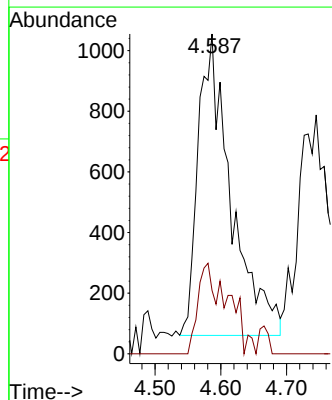
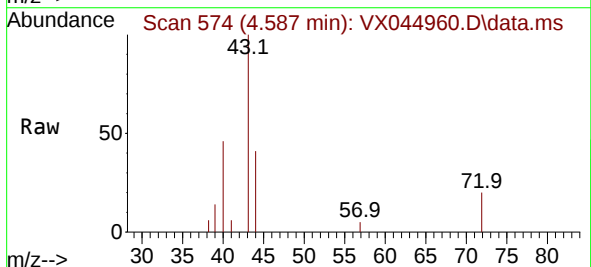
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

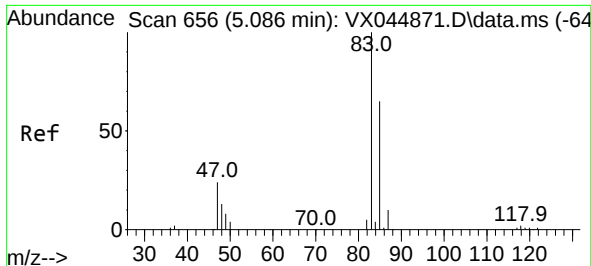
Tgt Ion:	84	Resp:	2256
Ion	Ratio	Lower	Upper
84	100		
49	133.2	100.1	150.1
51	35.4	31.7	47.5
86	52.0	50.8	76.2



#25
2-Butanone
Concen: 4.319 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#

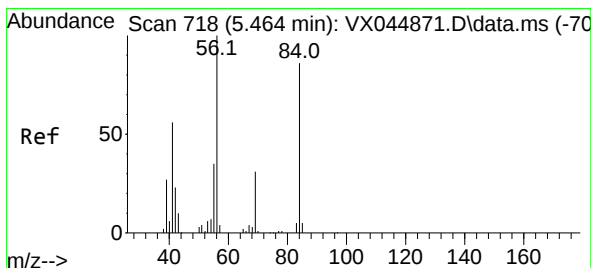
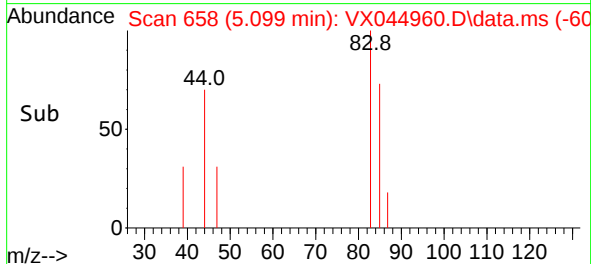
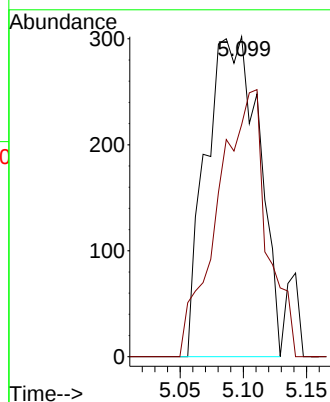
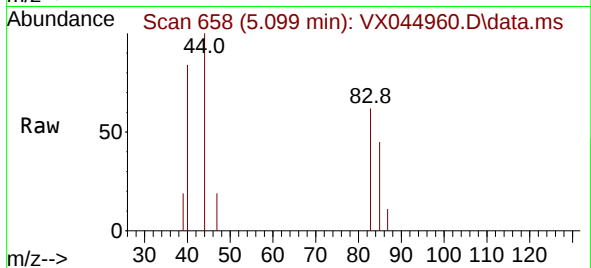




#30
Chloroform
Concen: 0.441 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

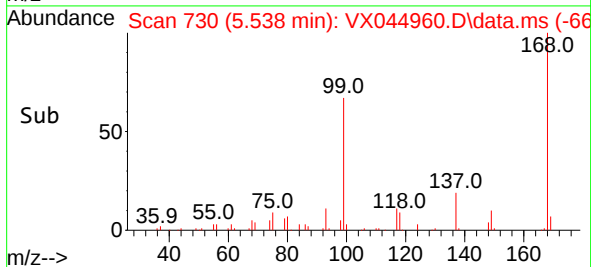
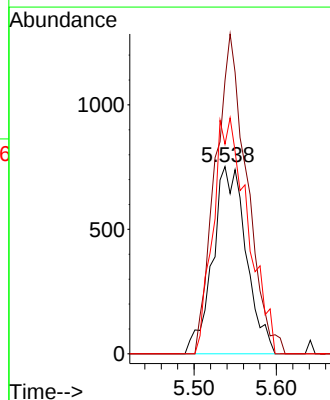
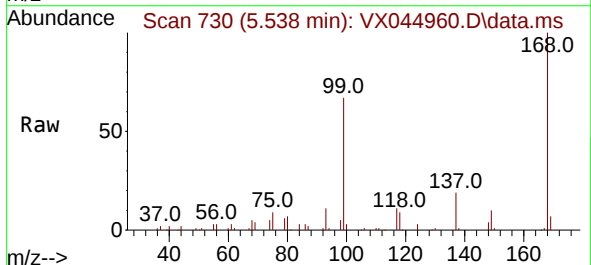
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

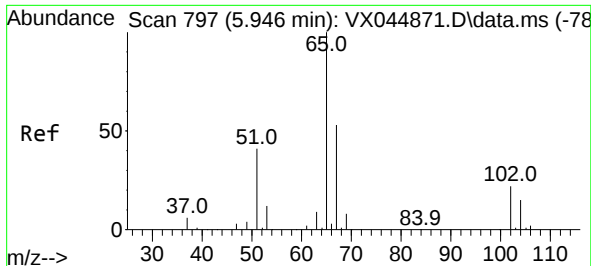
Tgt Ion: 83 Resp: 879
Ion Ratio Lower Upper
83 100
85 72.5 52.1 78.1



#31
Cyclohexane
Concen: 1.122 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: 55.375 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

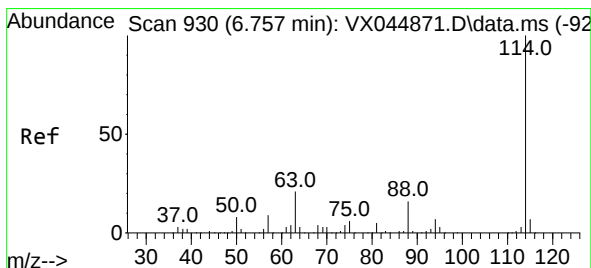
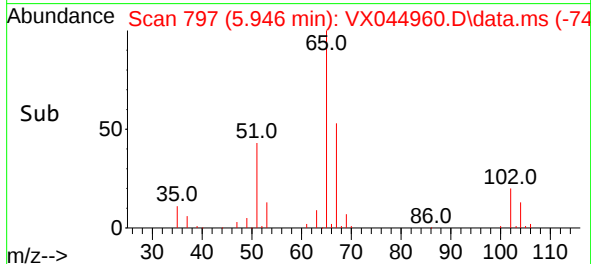
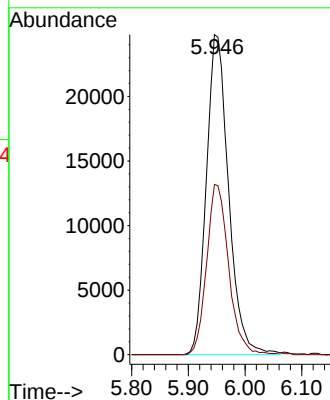
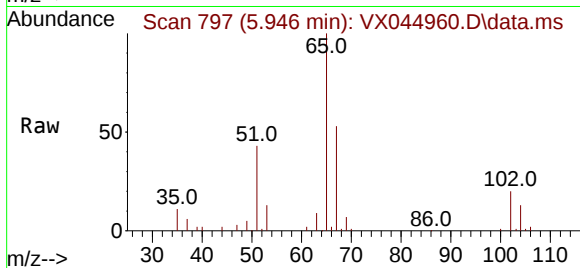
TAP-IDW-SOIL-021025

Tgt Ion: 65 Resp: 67561

Ion Ratio Lower Upper

65 100

67 52.6 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

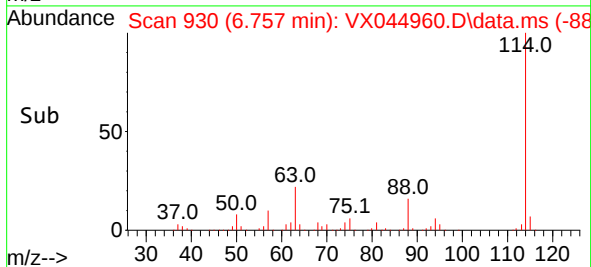
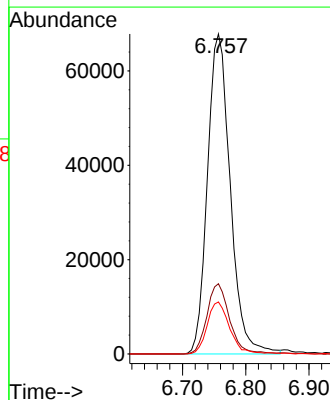
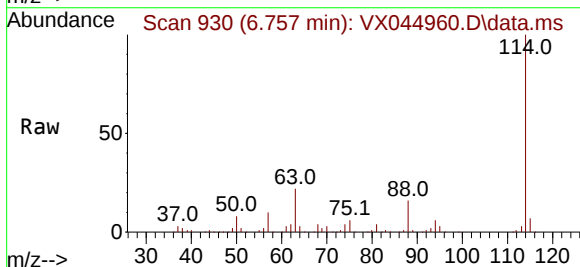
Tgt Ion: 114 Resp: 169946

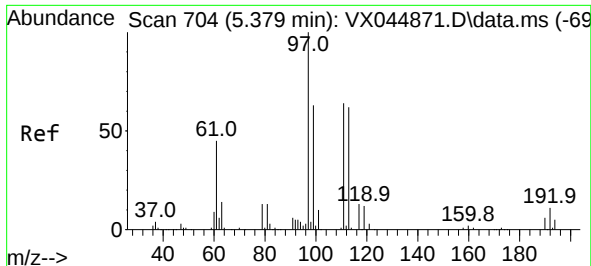
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.4

88 16.3 0.0 31.4

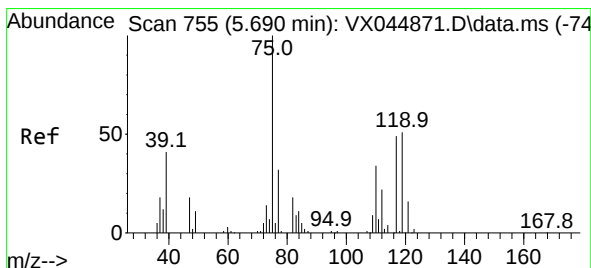
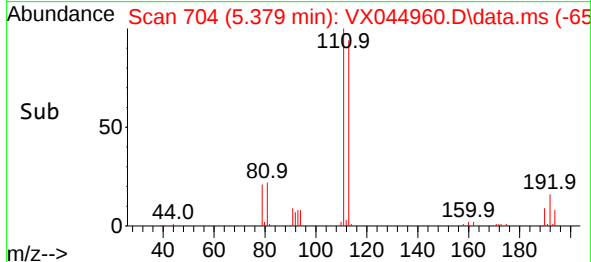
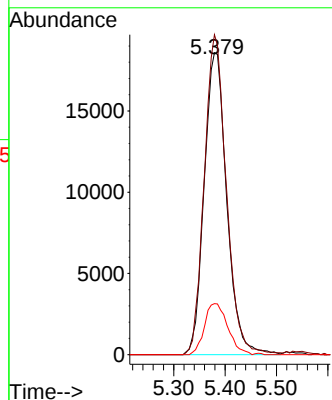
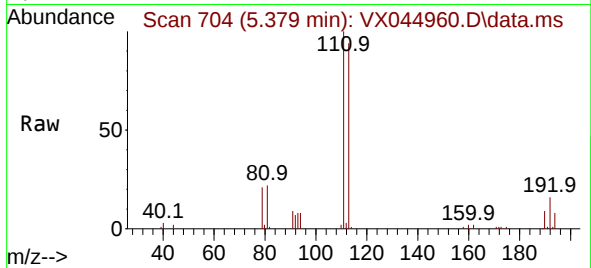




#35
Dibromofluoromethane
Concen: 51.294 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

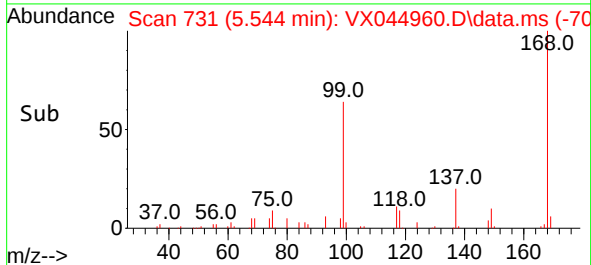
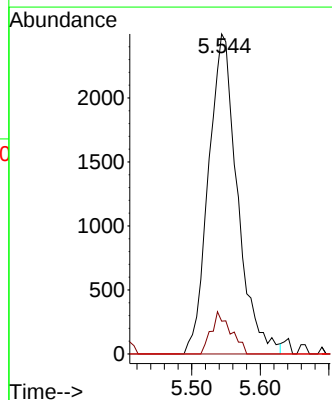
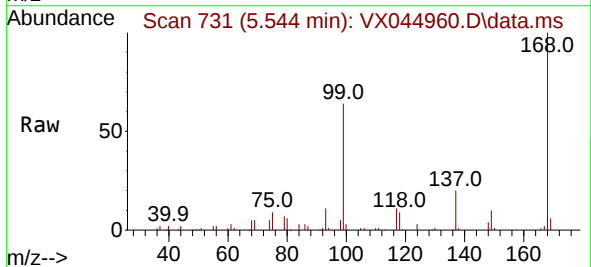
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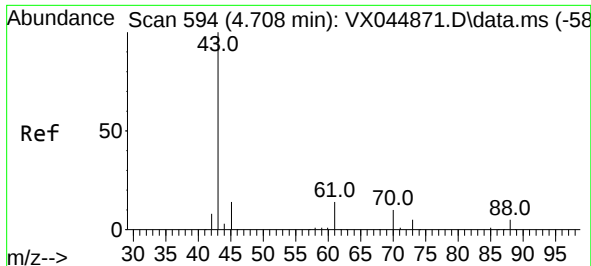
Tgt Ion:113 Resp: 56676
Ion Ratio Lower Upper
113 100
111 103.6 83.5 125.3
192 17.5 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.589 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: 1.533 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.037 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

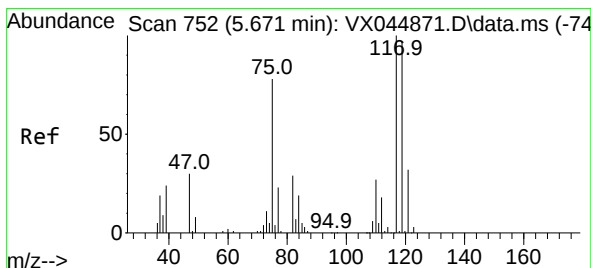
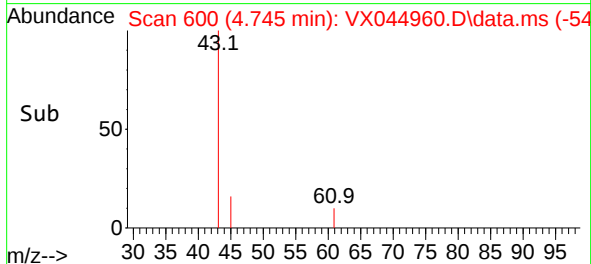
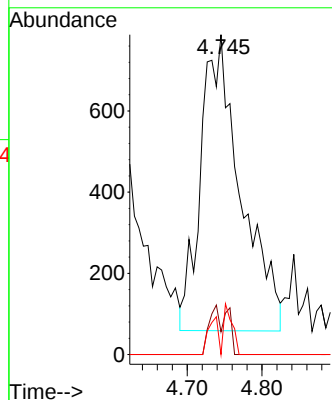
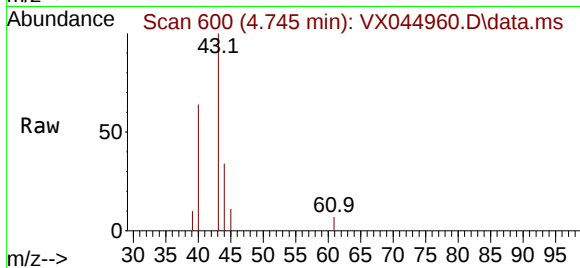
Instrument :

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: 5.765 ug/l

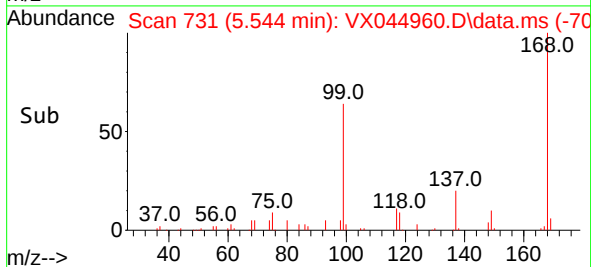
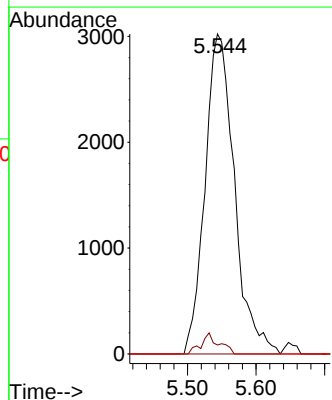
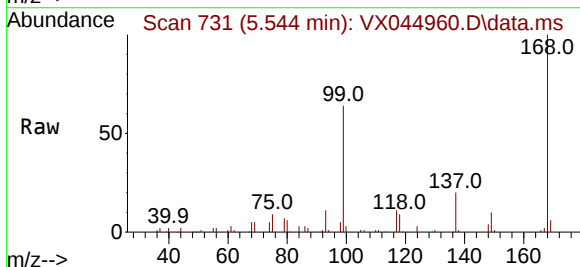
RT: 5.544 min Scan# 731

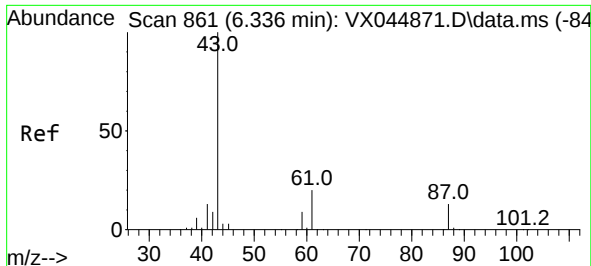
Delta R.T. -0.128 min

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#

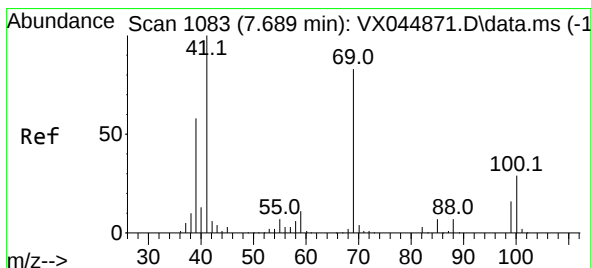
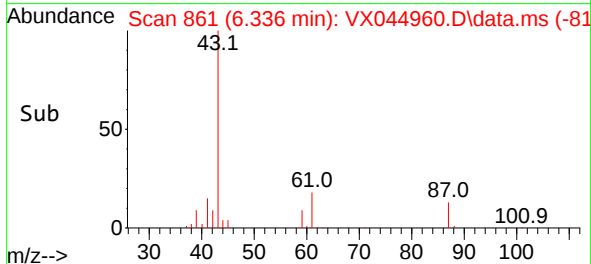
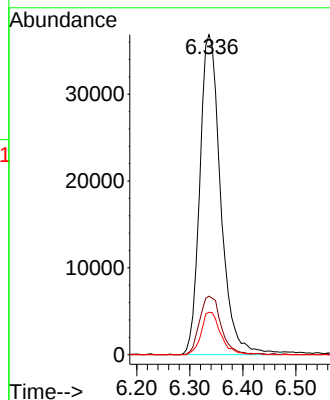
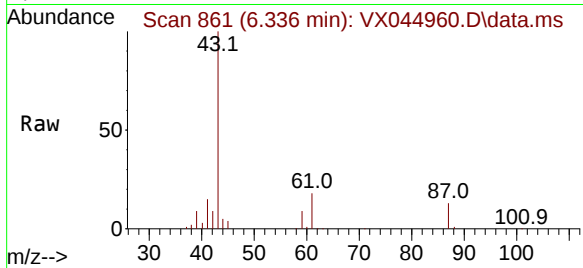




#43
Isopropyl Acetate
Concen: 35.198 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

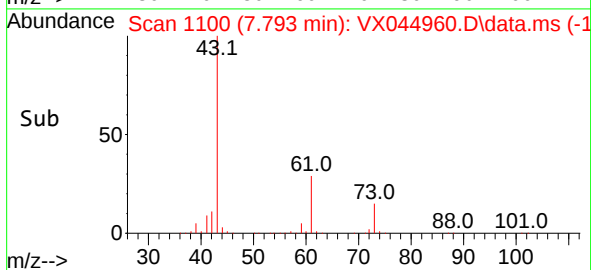
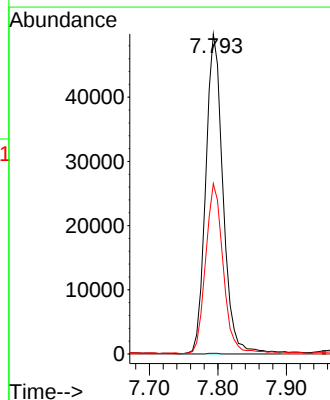
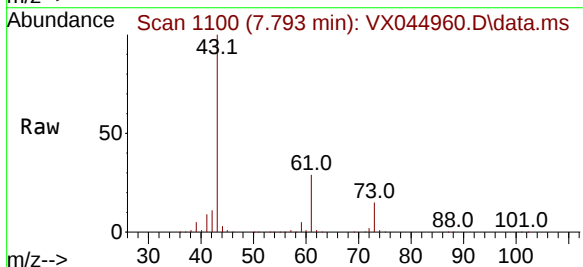
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

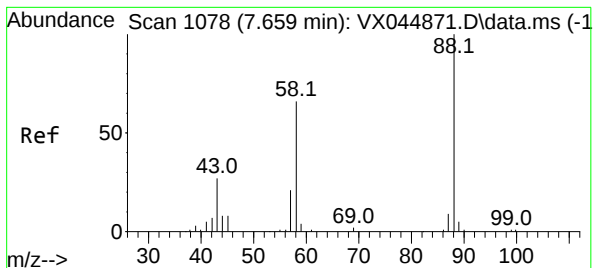
Tgt Ion: 43 Resp: 100784
Ion Ratio Lower Upper
43 100
61 18.8 15.8 23.8
87 12.4 10.0 15.0



#48
Methyl methacrylate
Concen: 64.944 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: 2.417 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.128 min

Lab File: VX044960.D

Acq: 14 Feb 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

TAP-IDW-SOIL-021025

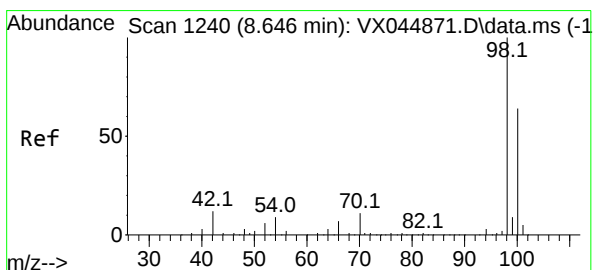
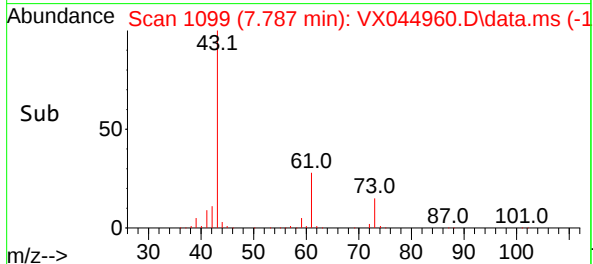
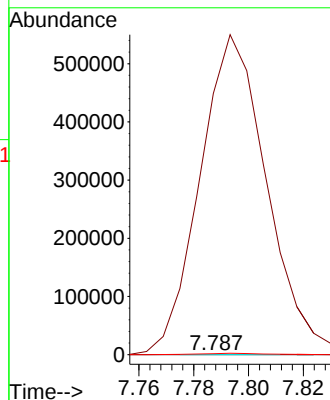
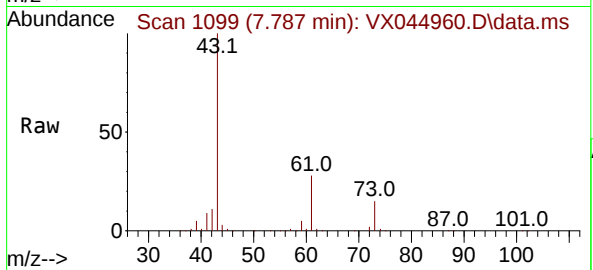
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 1364122.9 26.6 39.8#

58 5911.4 55.9 83.9#



#50

Toluene-d8

Concen: 50.728 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044960.D

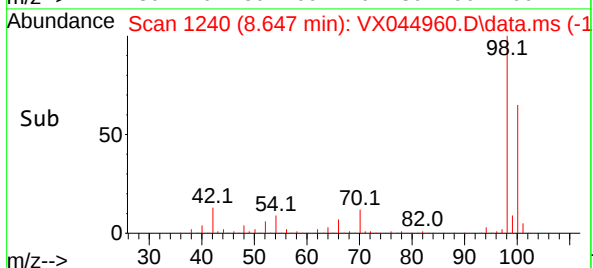
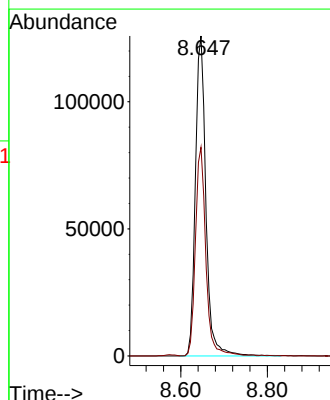
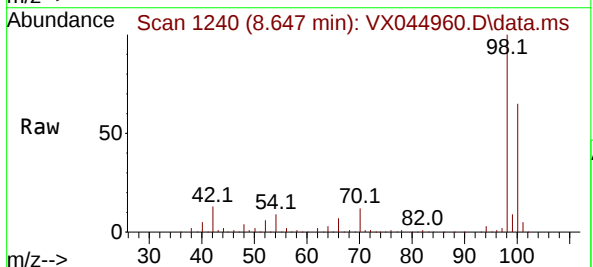
Acq: 14 Feb 2025 14:43

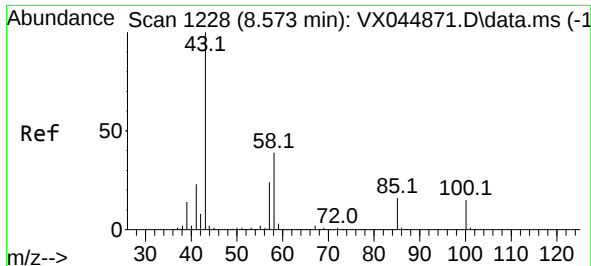
Tgt Ion: 98 Resp: 211950

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1

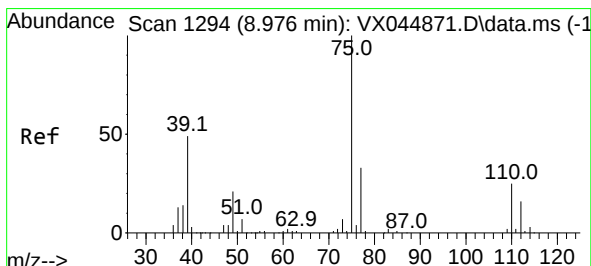
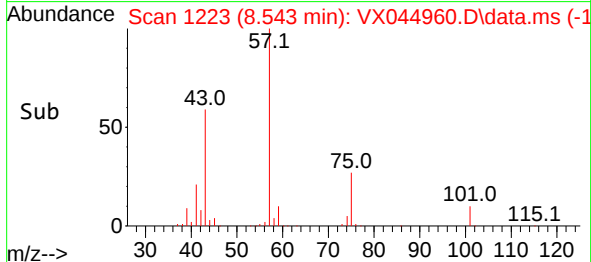
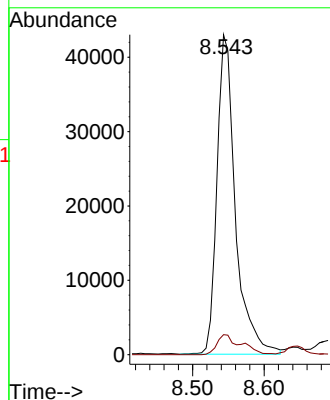
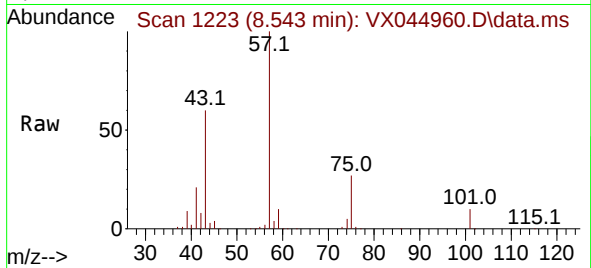




#51
4-Methyl-2-Pentanone
Concen: 44.248 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

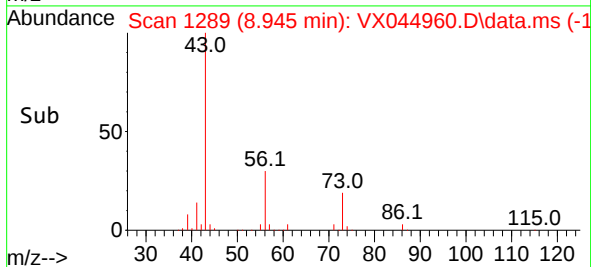
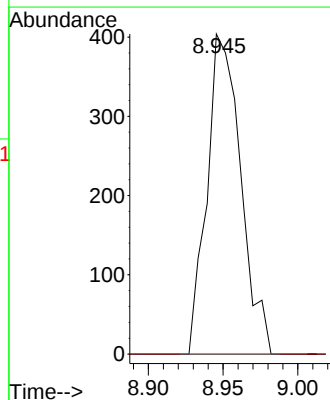
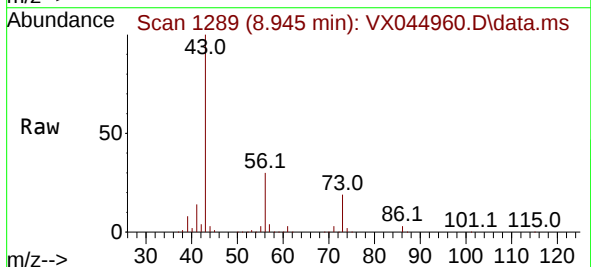
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

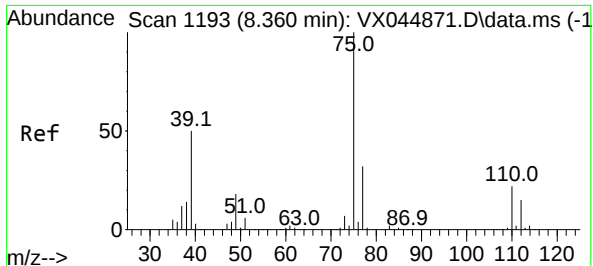
Tgt Ion: 43 Resp: 77024
Ion Ratio Lower Upper
43 100
58 8.2 30.8 46.2#



#53
t-1,3-Dichloropropene
Concen: 0.377 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#

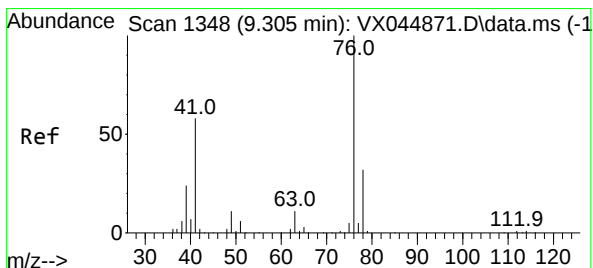
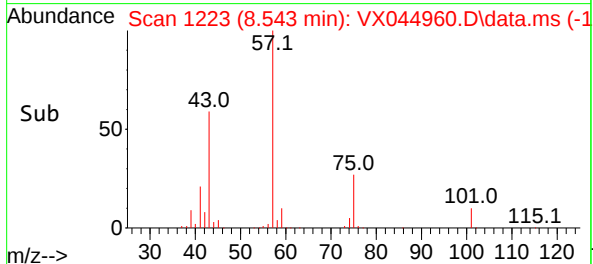
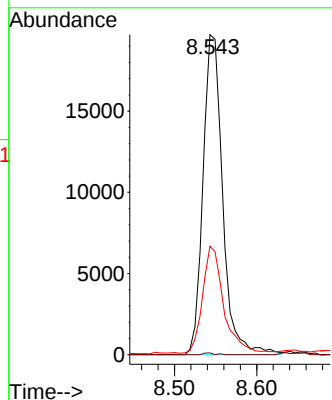
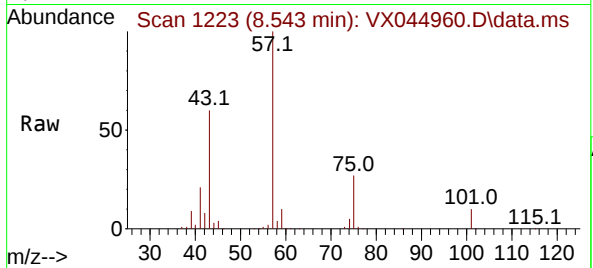




#54
 cis-1,3-Dichloropropene
 Concen: 17.471 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX044960.D
 Acq: 14 Feb 2025 14:43

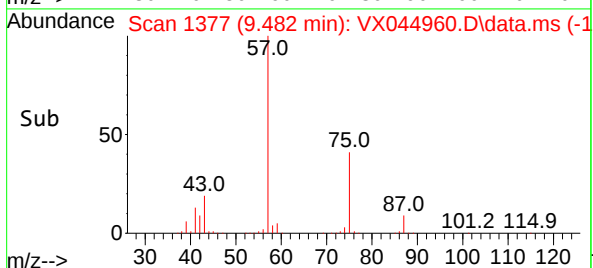
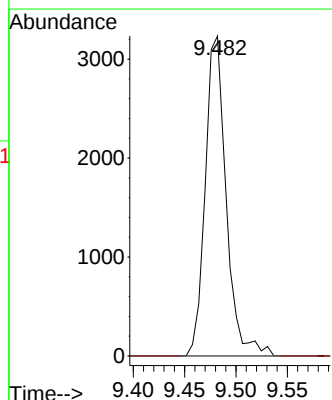
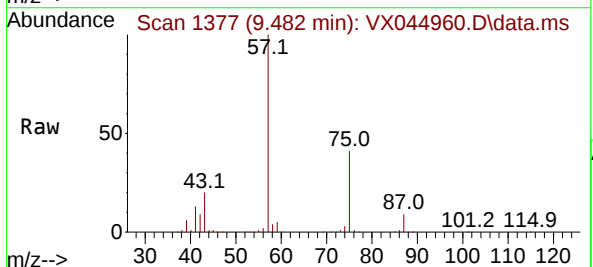
Instrument :
 MSVOA_X
 ClientSampleId :
 TAP-IDW-SOIL-021025

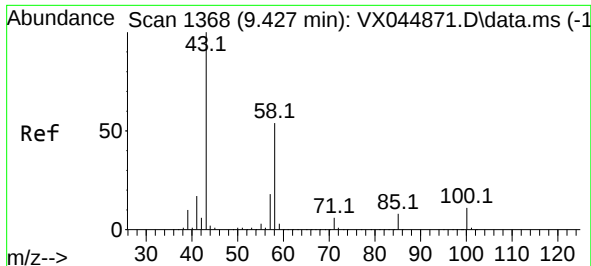
Tgt Ion: 75 Resp: 32781
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 33.5 40.0 60.0#



#57
 1,3-Dichloropropane
 Concen: 2.299 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#

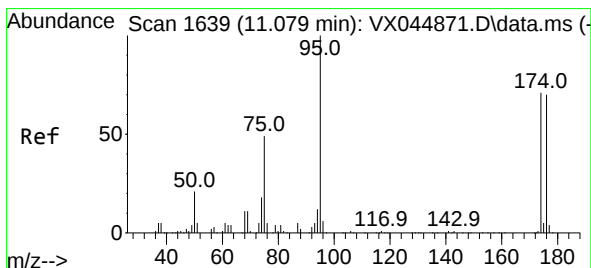
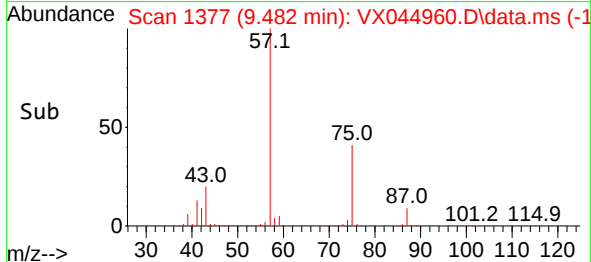
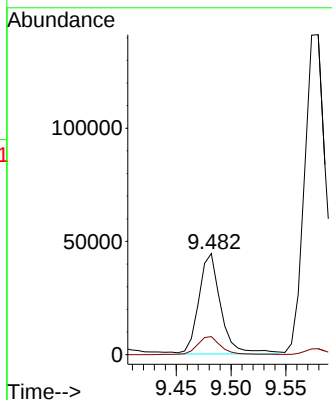
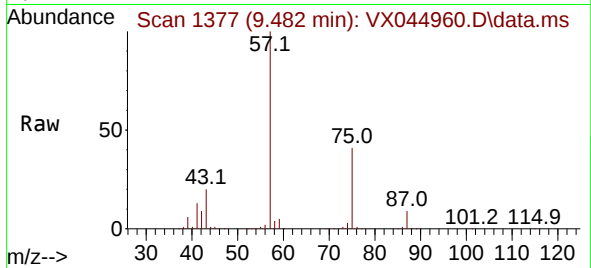




#59
2-Hexanone
Concen: 49.414 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

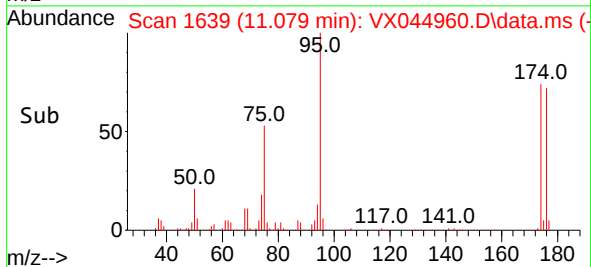
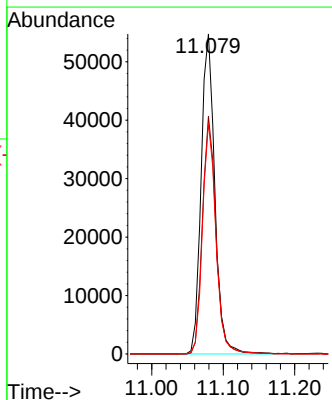
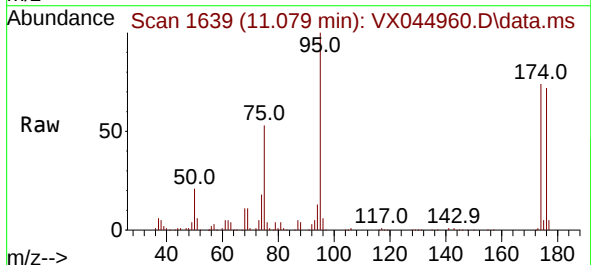
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

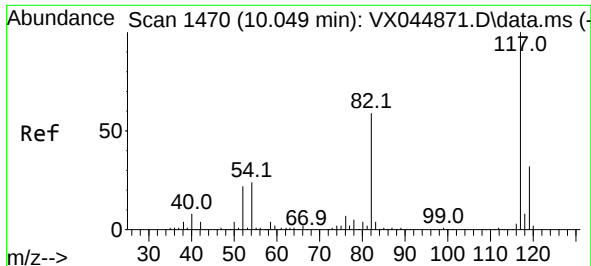
Tgt Ion: 43 Resp: 61975
Ion Ratio Lower Upper
43 100
58 19.7 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 51.666 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

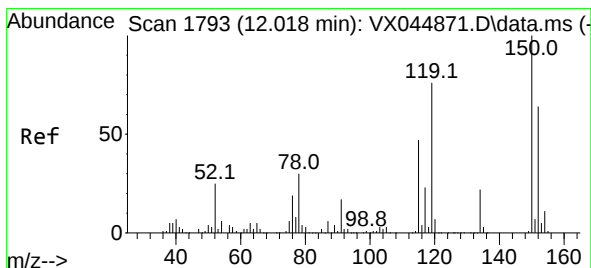
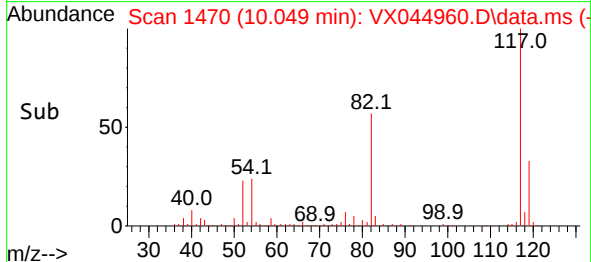
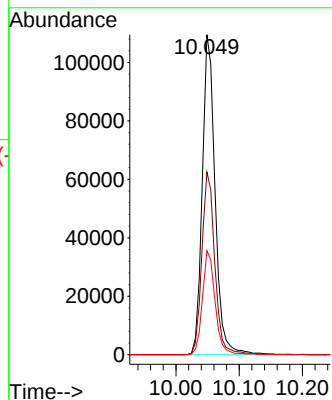
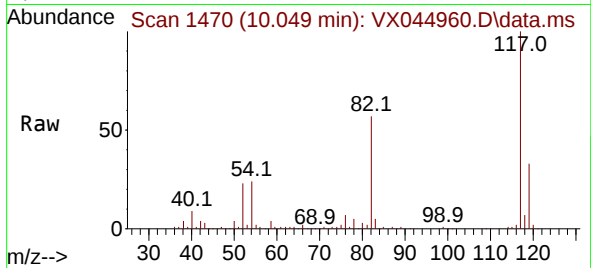




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044960.D
Acq: 14 Feb 2025 14:43

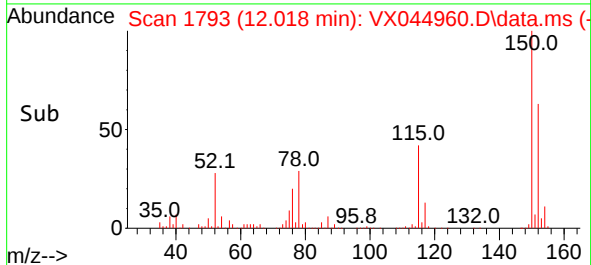
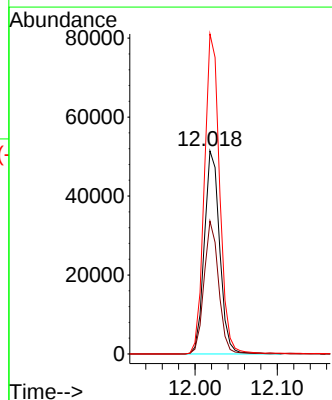
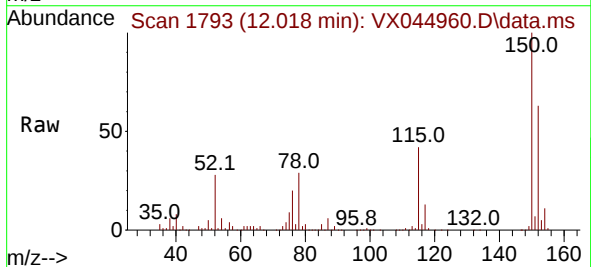
Instrument :
MSVOA_X
ClientSampleId :
TAP-IDW-SOIL-021025

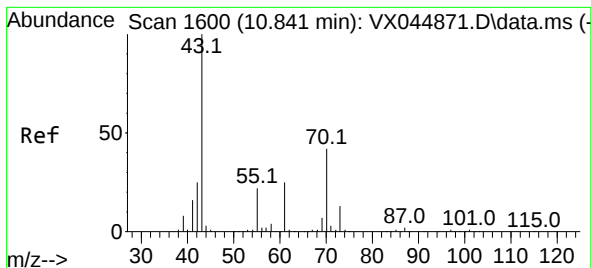
Tgt Ion:117 Resp: 154821
Ion Ratio Lower Upper
117 100
82 57.1 47.5 71.3
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 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: 0.244 ug/l

RT: 10.781 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: 43 Resp: 591

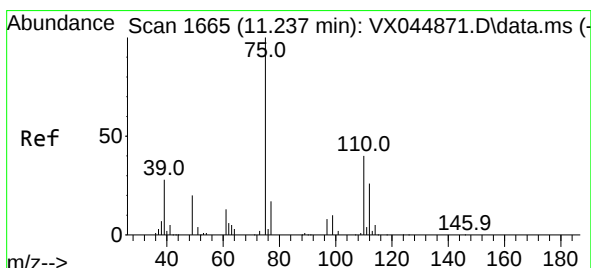
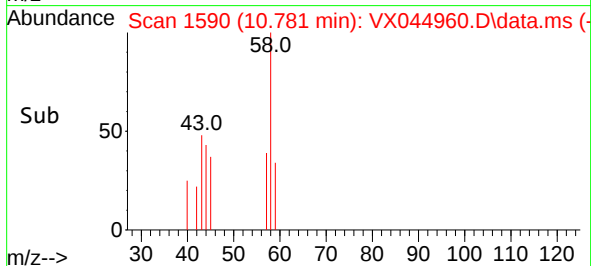
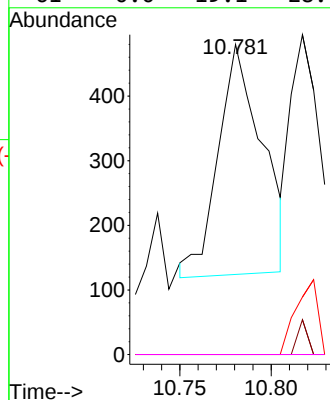
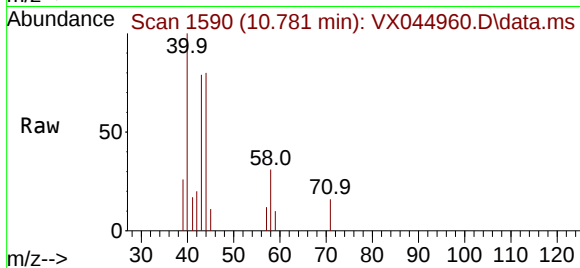
Ion Ratio Lower Upper

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: 26.083 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX044960.D

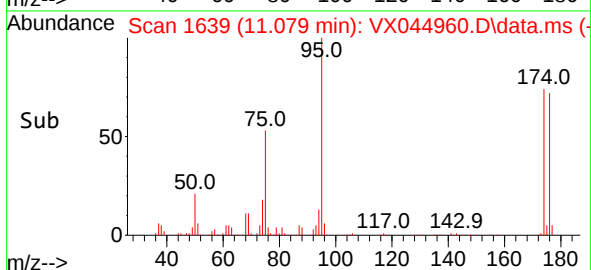
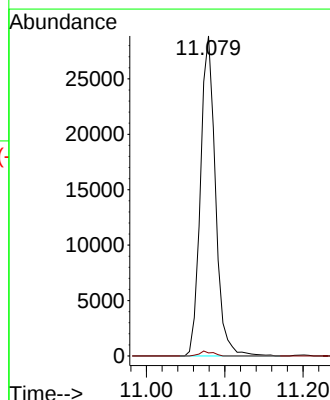
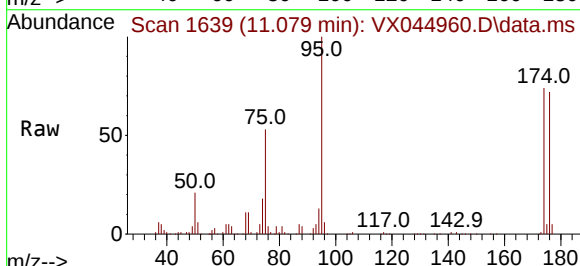
Acq: 14 Feb 2025 14:43

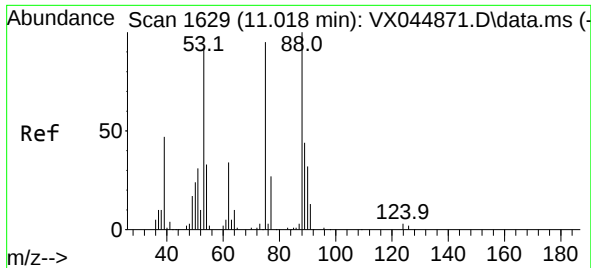
Tgt Ion: 75 Resp: 38480

Ion Ratio Lower Upper

75 100

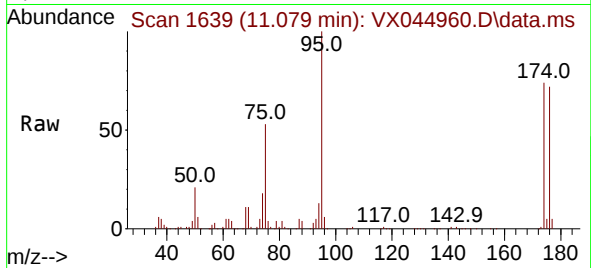
77 1.3 21.9 65.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.095 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#

