

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021470.D
 Acq On : 07 Mar 2025 18:46
 Operator : SY/MD
 Sample : Q1494-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-COMP

Quant Time: Mar 07 22:03:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

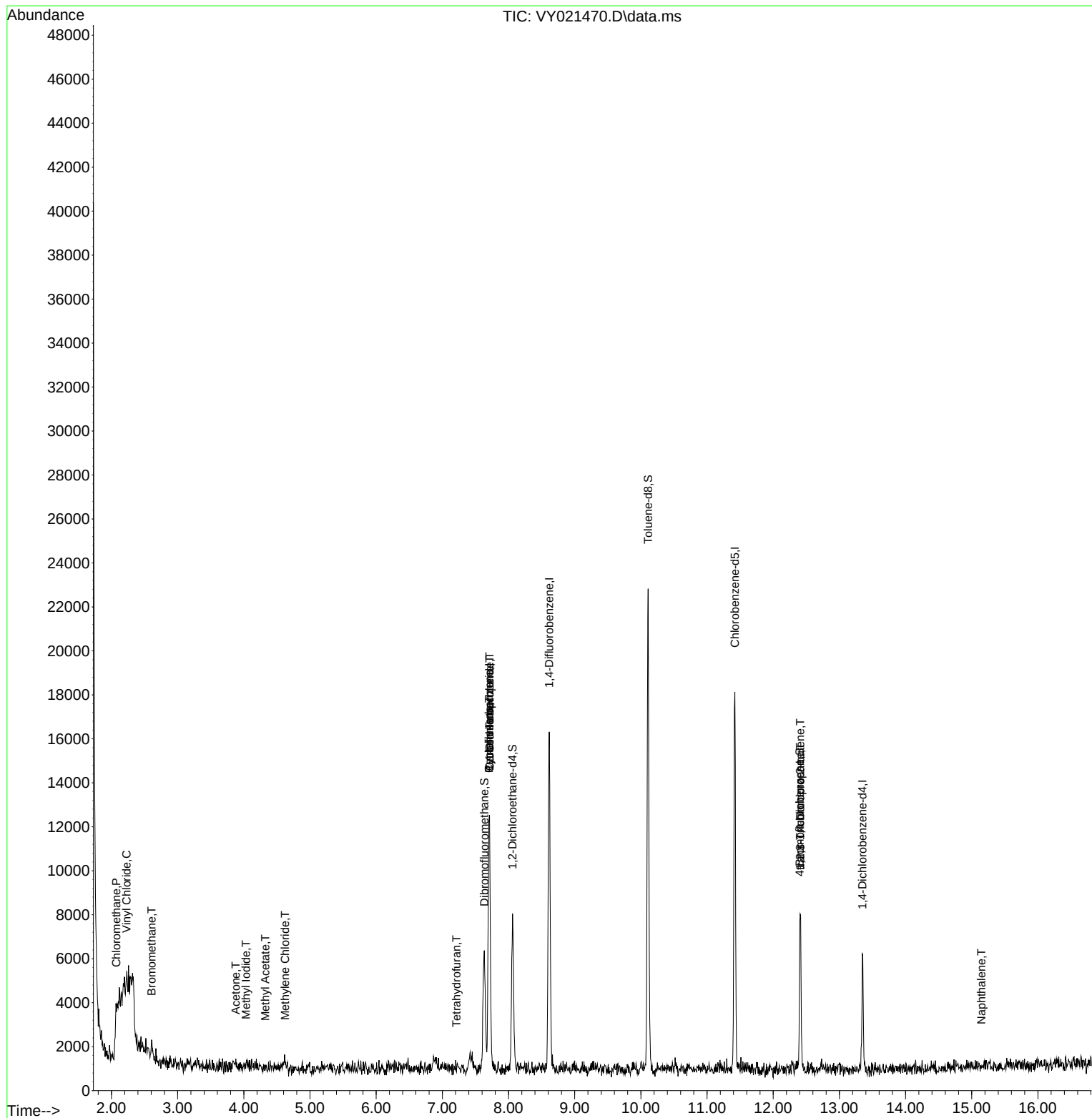
Internal Standards						
1) Pentafluorobenzene	7.707	168	8858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	12818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	9279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	5738	61.288	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.580%	
35) Dibromofluoromethane	7.634	113	3979	47.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.460%	
50) Toluene-d8	10.109	98	14068	44.098	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.200%	
62) 4-Bromofluorobenzene	12.402	95	2305	21.241	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 42.480%	
Target Compounds						
						Qvalue
3) Chloromethane	2.074	50	258	2.251	ug/l	92
4) Vinyl Chloride	2.227	62	157	1.254	ug/l #	42
5) Bromomethane	2.605	94	292	3.226	ug/l #	20
10) Methyl Iodide	4.031	142	450	4.436	ug/l #	49
11) Tert butyl alcohol	4.641	59	46	Below Cal	#	72
16) Acetone	3.879	43	149	7.297	ug/l #	47
18) Methyl Acetate	4.324	43	53	1.170	ug/l #	51
20) Methylene Chloride	4.622	84	113	1.054	ug/l #	46
29) Tetrahydrofuran	7.213	42	25	1.434	ug/l #	33
31) Cyclohexane	7.707	56	299	1.705	ug/l #	42
36) 1,1-Dichloropropene	7.713	75	917	6.953	ug/l #	41
38) Carbon Tetrachloride	7.713	117	1036	6.830	ug/l #	12
76) 1,2,3-Trichloropropane	12.408	75	1409	102.813	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	1409	233.726	ug/l #	9
95) Naphthalene	15.145	128	23	2.073	ug/l #	69

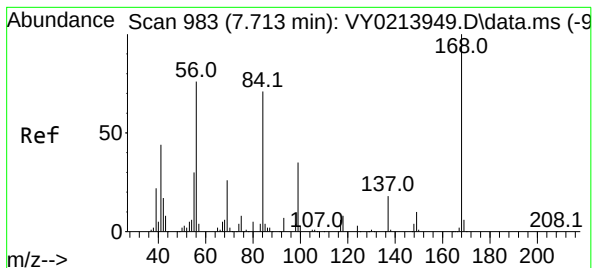
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021470.D

Acq: 07 Mar 2025 18:46

Instrument :

MSVOA_Y

ClientSampleId :

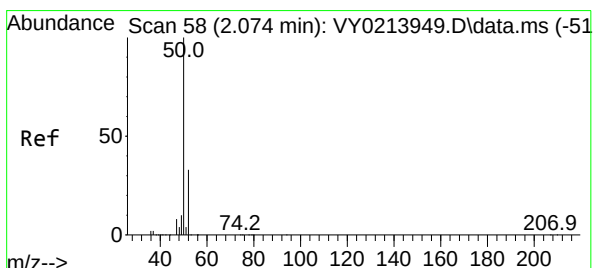
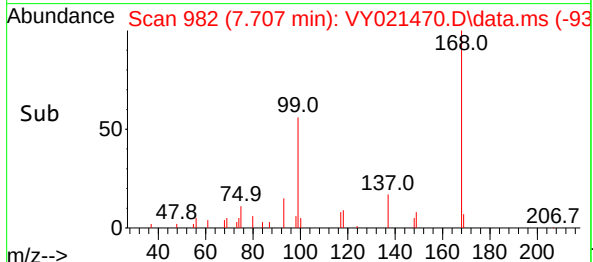
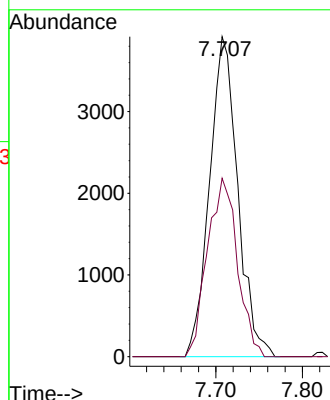
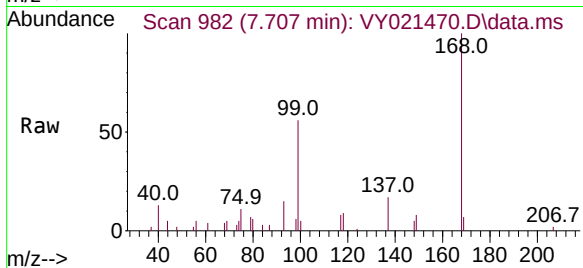
SOIL-COMP

Tgt Ion:168 Resp: 8858

Ion Ratio Lower Upper

168 100

99 55.7 46.0 69.0



#3

Chloromethane

Concen: 2.251 ug/l

RT: 2.074 min Scan# 58

Delta R.T. 0.000 min

Lab File: VY021470.D

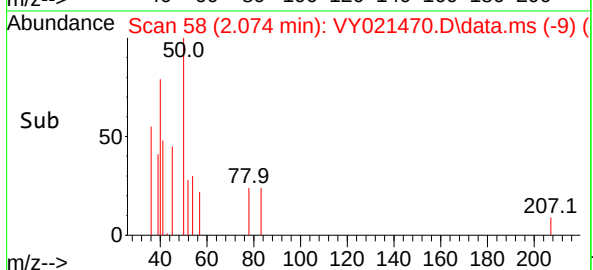
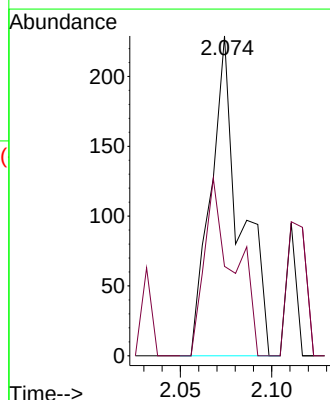
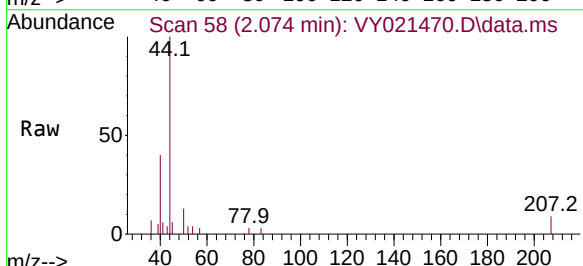
Acq: 07 Mar 2025 18:46

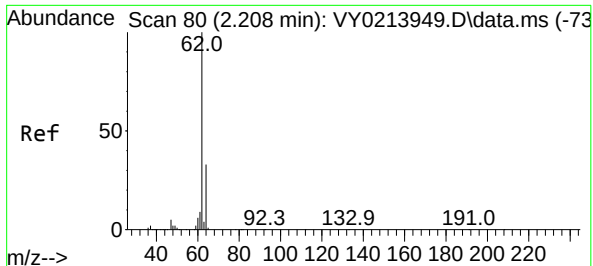
Tgt Ion: 50 Resp: 258

Ion Ratio Lower Upper

50 100

52 27.9 26.2 39.2





#4

Vinyl Chloride

Concen: 1.254 ug/l

RT: 2.227 min Scan# 81

Delta R.T. 0.019 min

Lab File: VY021470.D

Acq: 07 Mar 2025 18:46

Instrument :

MSVOA_Y

ClientSampleId :

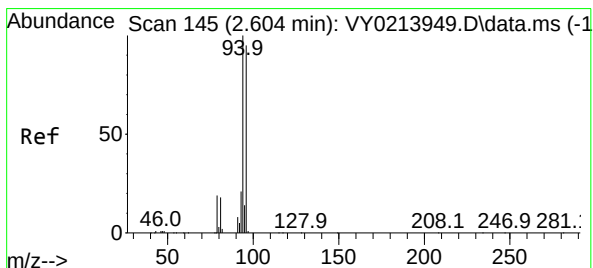
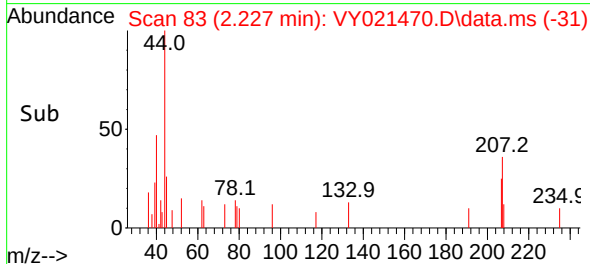
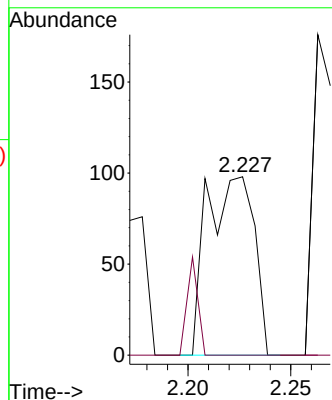
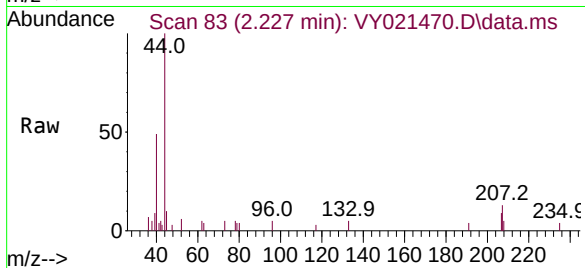
SOIL-COMP

Tgt Ion: 62 Resp: 157

Ion Ratio Lower Upper

62 100

64 0.0 26.2 39.2#



#5

Bromomethane

Concen: 3.226 ug/l

RT: 2.605 min Scan# 145

Delta R.T. 0.000 min

Lab File: VY021470.D

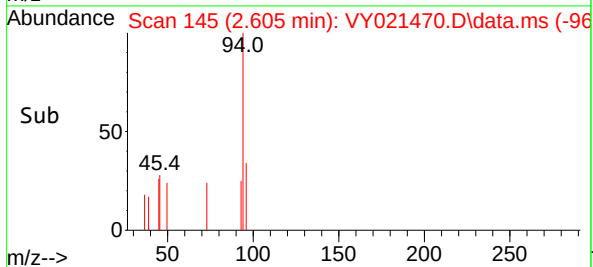
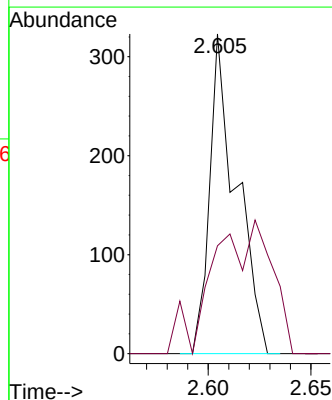
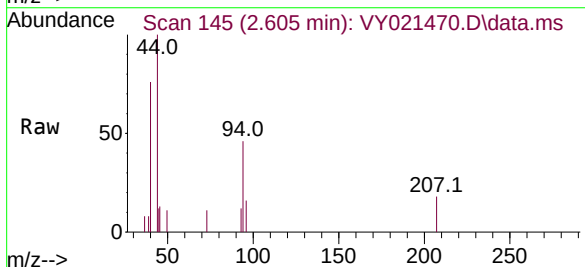
Acq: 07 Mar 2025 18:46

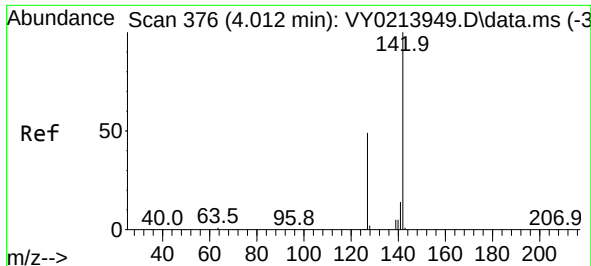
Tgt Ion: 94 Resp: 292

Ion Ratio Lower Upper

94 100

96 17.3 76.3 114.5#

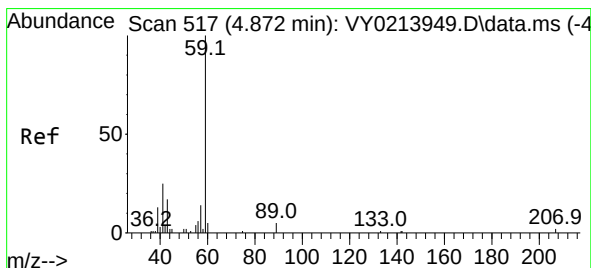
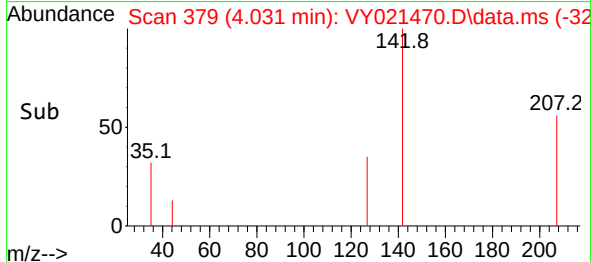
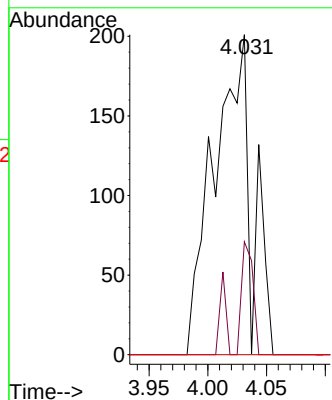
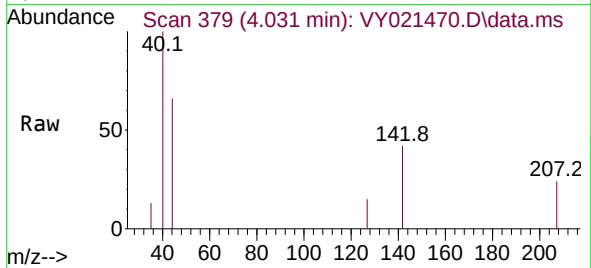




#10
Methyl Iodide
Concen: 4.436 ug/l
RT: 4.031 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

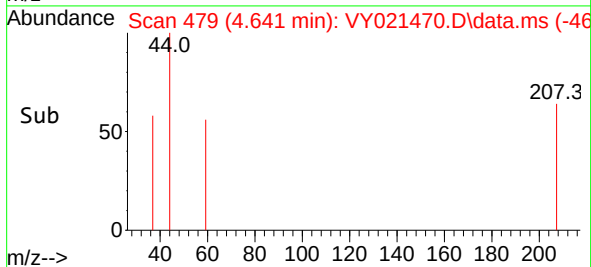
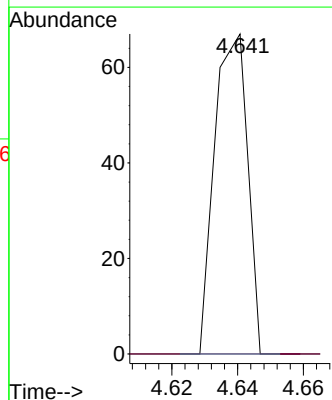
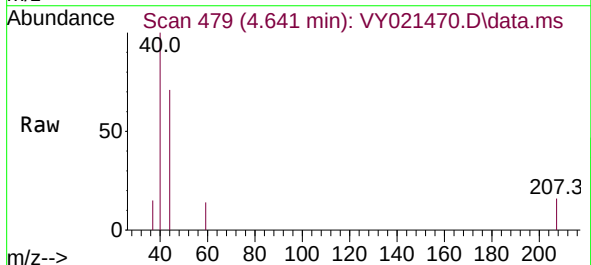
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

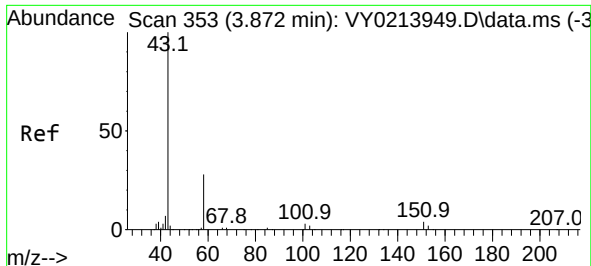
Tgt Ion:142 Resp: 450
Ion Ratio Lower Upper
142 100
127 10.7 39.1 58.7#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.641 min Scan# 479
Delta R.T. -0.231 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

Tgt Ion: 59 Resp: 46
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

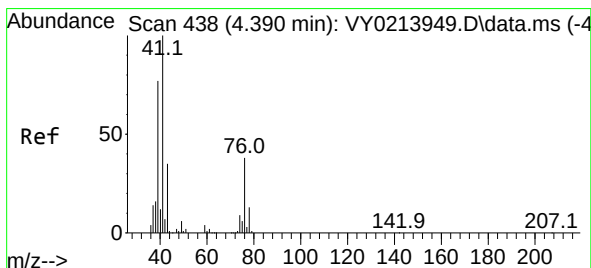
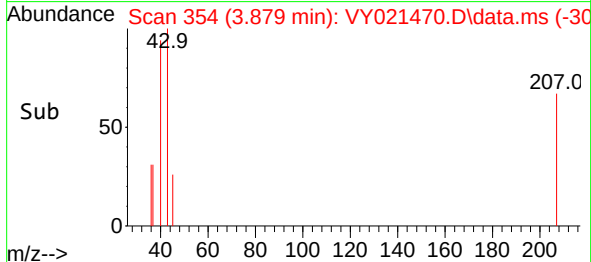
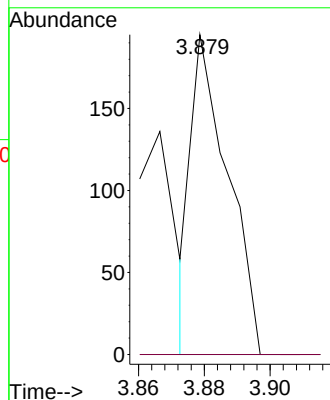
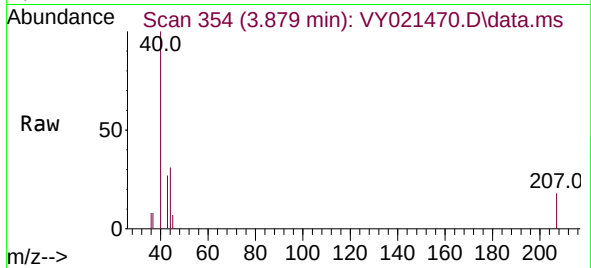




#16
Acetone
Concen: 7.297 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

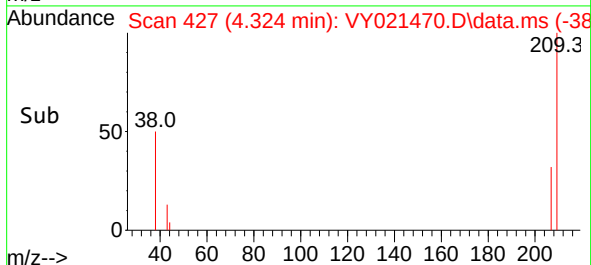
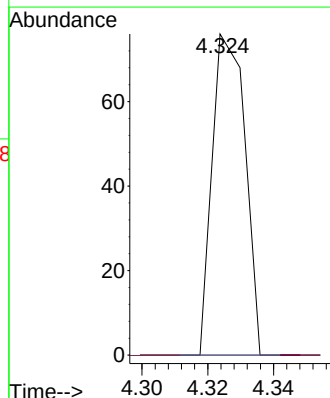
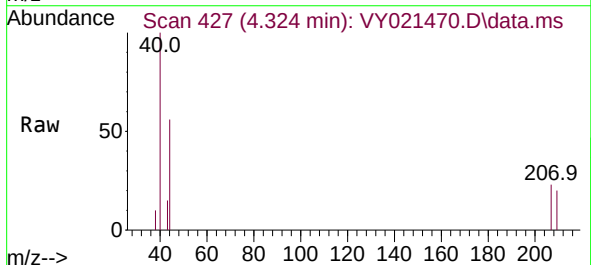
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

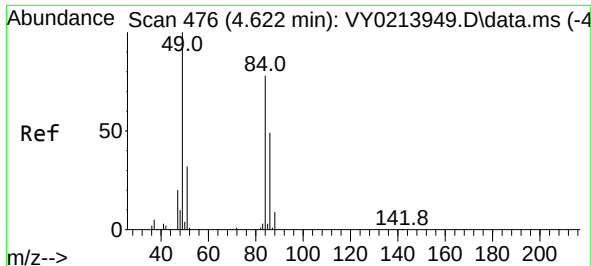
Tgt Ion: 43 Resp: 149
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#18
Methyl Acetate
Concen: 1.170 ug/l
RT: 4.324 min Scan# 427
Delta R.T. -0.067 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#





#20

Methylene Chloride

Concen: 1.054 ug/l

RT: 4.622 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY021470.D

Acq: 07 Mar 2025 18:46

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-COMP

Tgt Ion: 84 Resp: 113

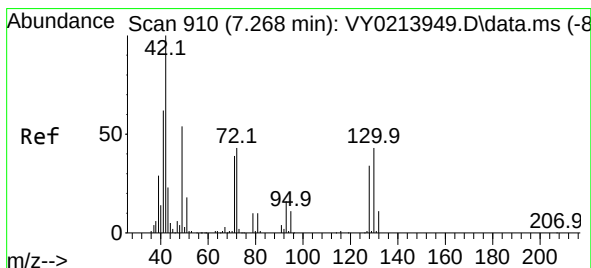
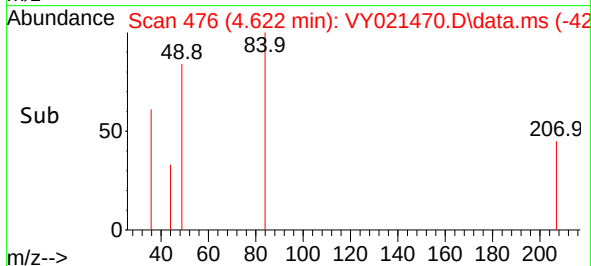
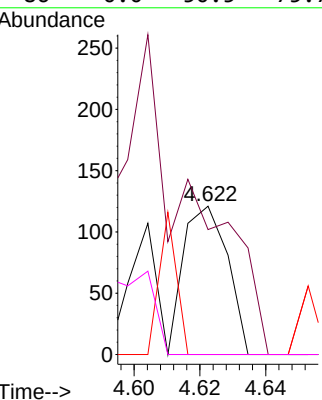
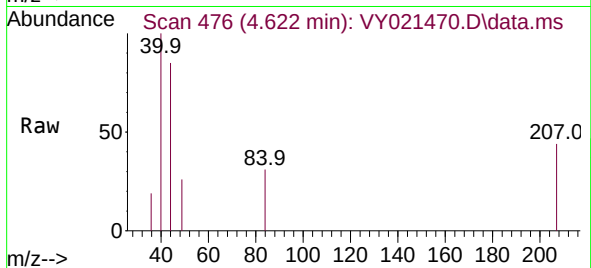
Ion Ratio Lower Upper

84 100

49 84.3 102.0 153.0#

51 0.0 33.0 49.6#

86 0.0 50.5 75.7#



#29

Tetrahydrofuran

Concen: 1.434 ug/l

RT: 7.213 min Scan# 901

Delta R.T. -0.055 min

Lab File: VY021470.D

Acq: 07 Mar 2025 18:46

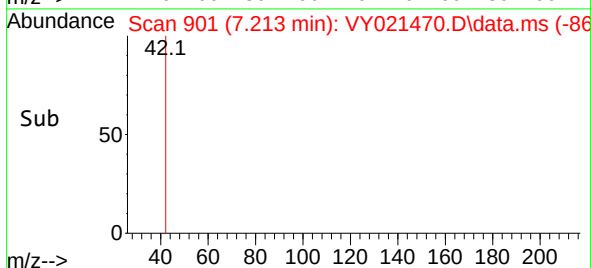
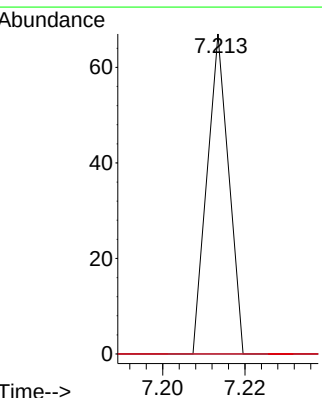
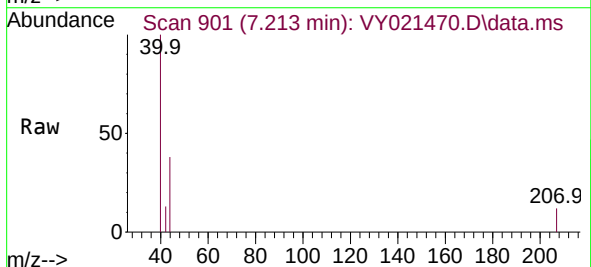
Tgt Ion: 42 Resp: 25

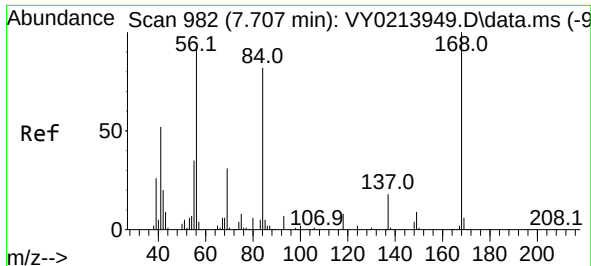
Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

71 0.0 32.6 48.8#

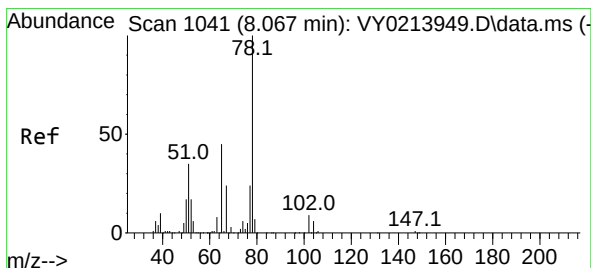
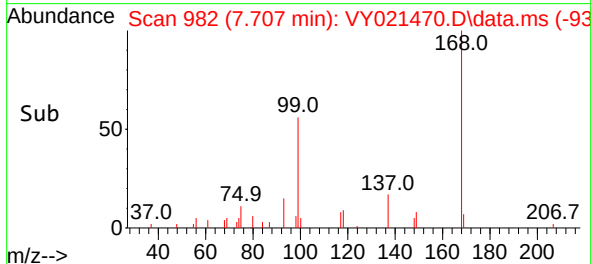
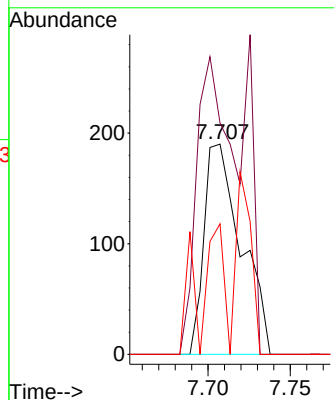
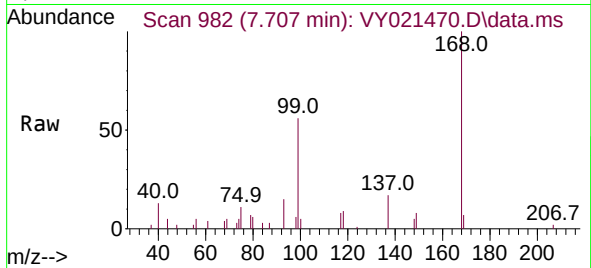




#31
Cyclohexane
Concen: 1.705 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

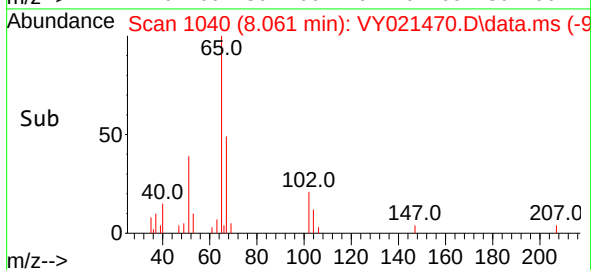
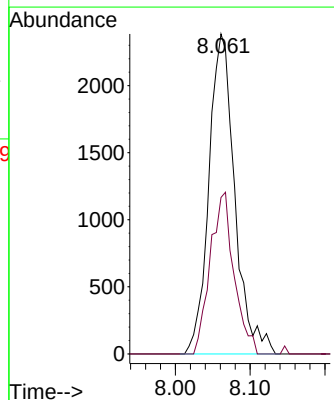
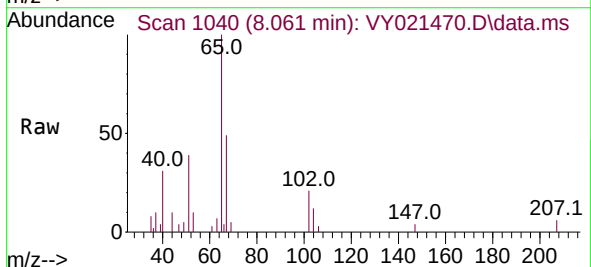
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SOIL-COMP

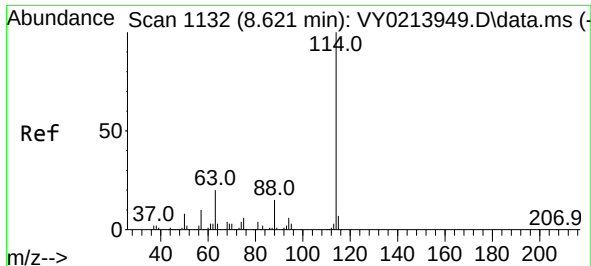
Tgt Ion: 56 Resp: 299
Ion Ratio Lower Upper
56 100
69 110.0 27.0 40.4#
84 62.1 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 61.288 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

Tgt Ion: 65 Resp: 5738
Ion Ratio Lower Upper
65 100
67 46.5 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021470.D

Acq: 07 Mar 2025 18:46

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-COMP

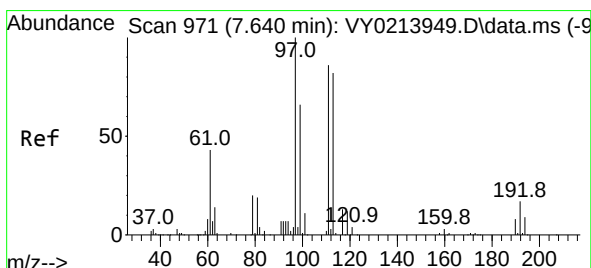
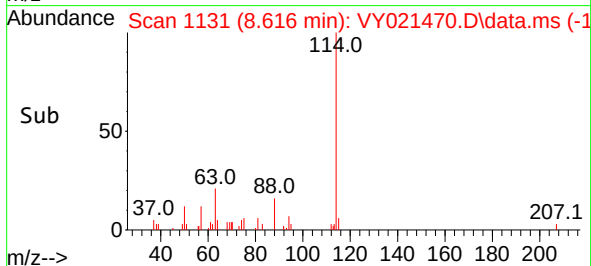
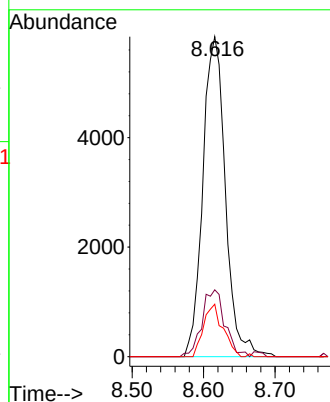
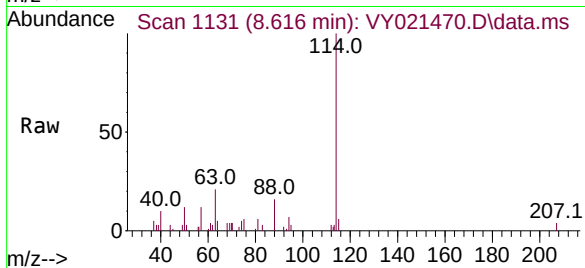
Tgt Ion:114 Resp: 12818

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 16.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 47.226 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021470.D

Acq: 07 Mar 2025 18:46

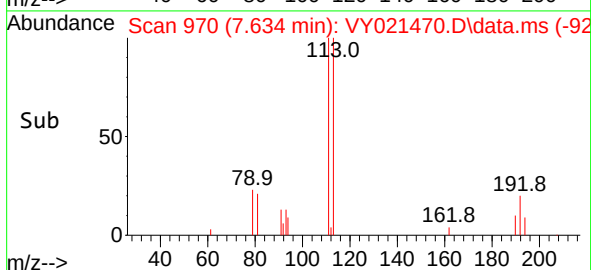
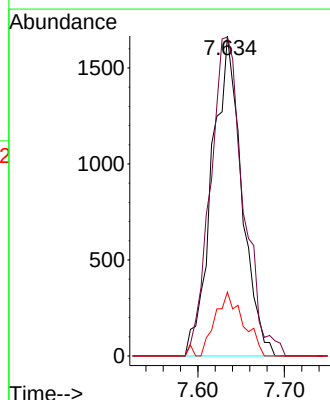
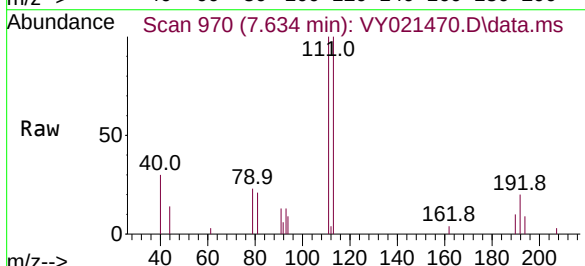
Tgt Ion:113 Resp: 3979

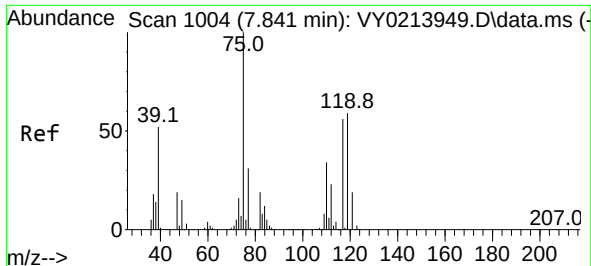
Ion Ratio Lower Upper

113 100

111 110.3 82.0 123.0

192 18.7 15.9 23.9

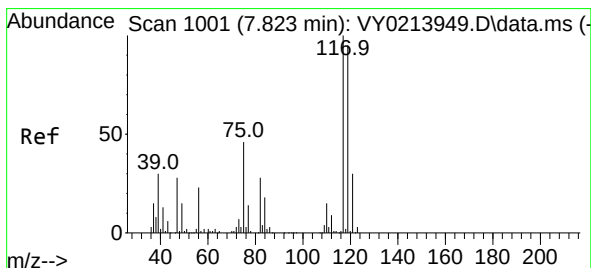
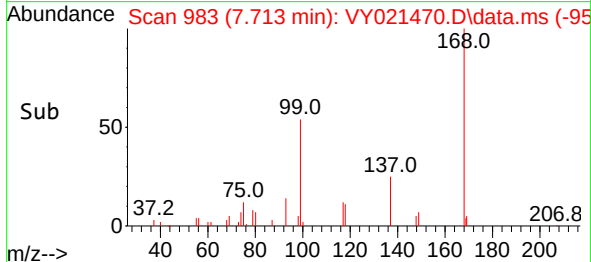
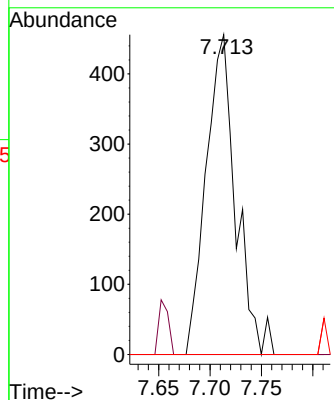
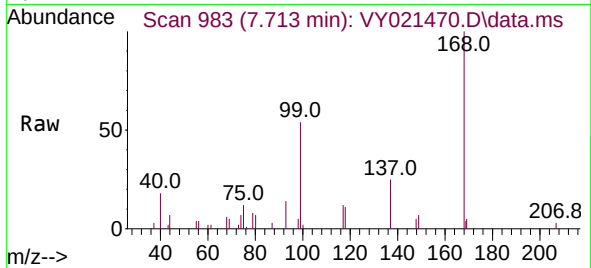




#36
 1,1-Dichloropropene
 Concen: 6.953 ug/l
 RT: 7.713 min Scan# 917
 Delta R.T. -0.128 min
 Lab File: VY021470.D
 Acq: 07 Mar 2025 18:46

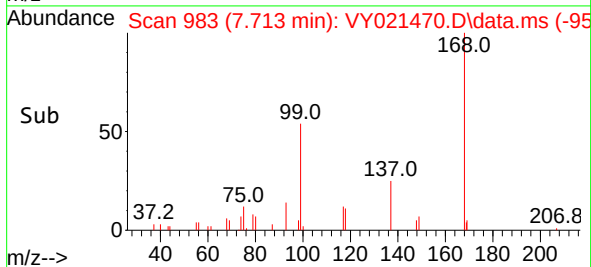
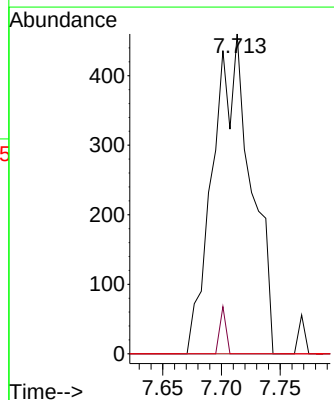
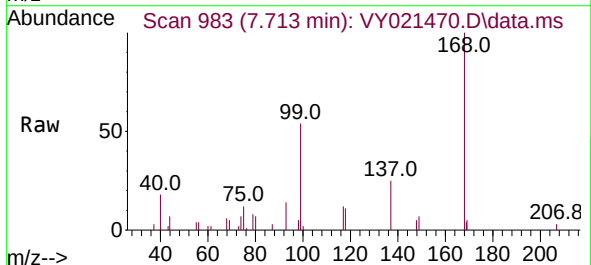
Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-COMP

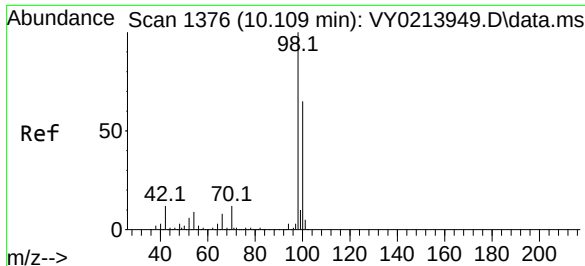
Tgt Ion: 75	Resp:	917
Ion Ratio	Lower	Upper
75	100	
110	0.0	17.3
77	0.0	25.4



#38
 Carbon Tetrachloride
 Concen: 6.830 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.109 min
 Lab File: VY021470.D
 Acq: 07 Mar 2025 18:46

Tgt Ion: 117	Resp:	1036
Ion Ratio	Lower	Upper
117	100	
119	0.0	75.8
121	0.0	23.9

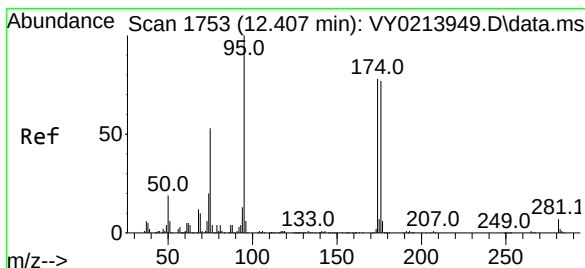
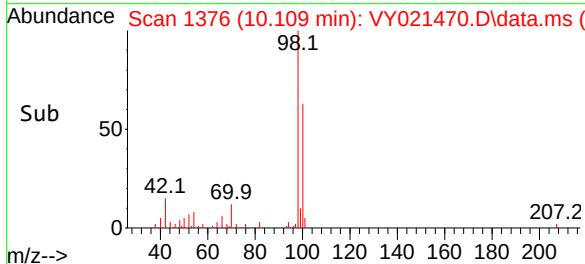
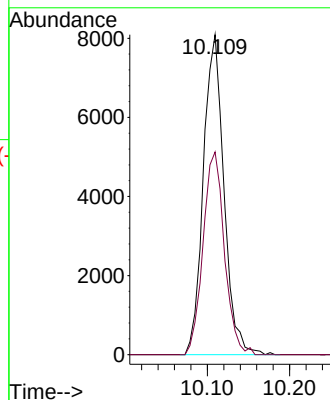
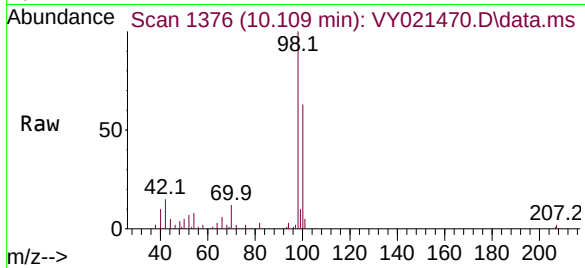




#50
Toluene-d8
Concen: 44.098 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

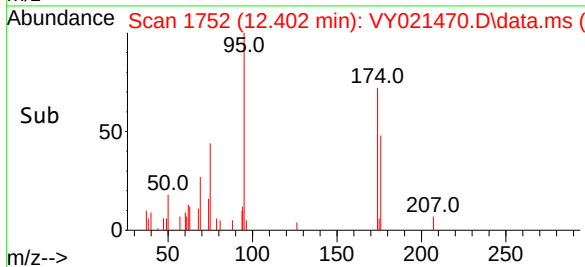
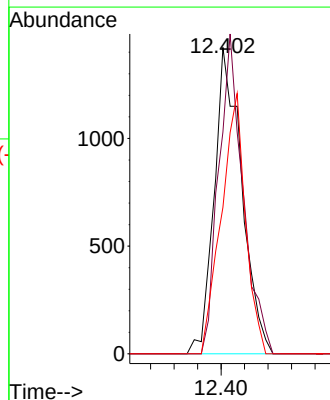
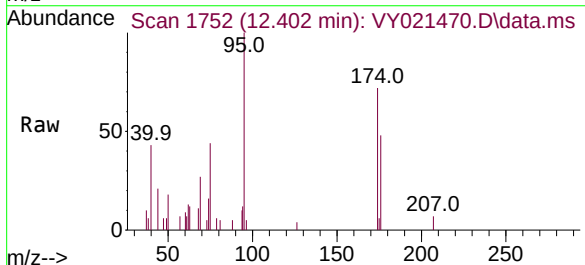
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

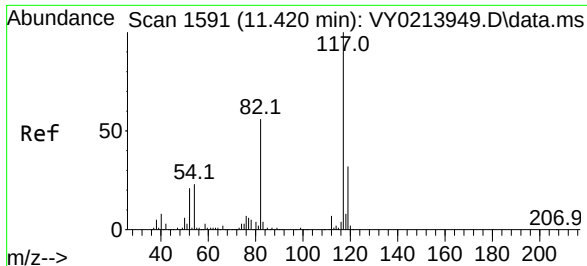
Tgt Ion: 98 Resp: 14068
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 21.241 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

Tgt Ion: 95 Resp: 2305
Ion Ratio Lower Upper
95 100
174 92.5 0.0 165.0
176 75.0 0.0 160.0

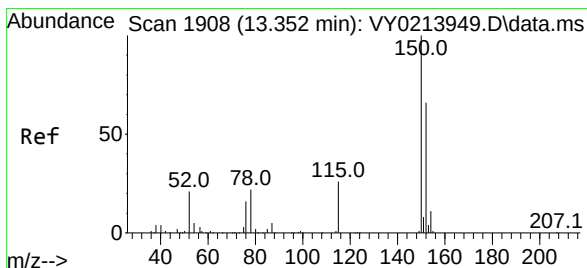
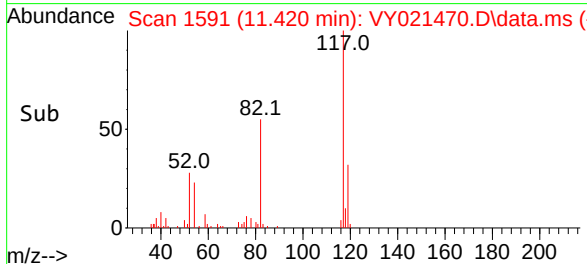
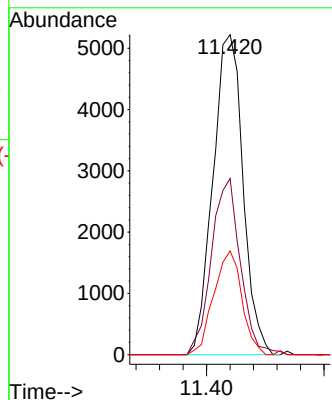
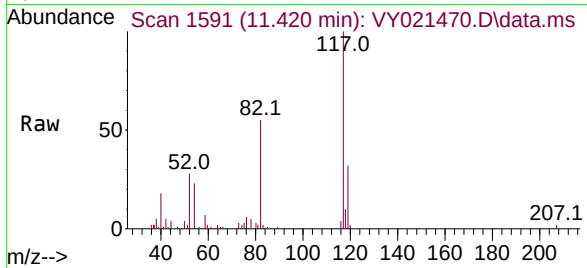




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

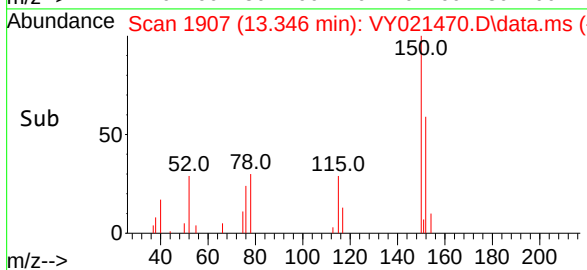
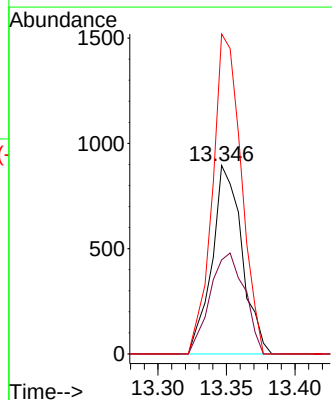
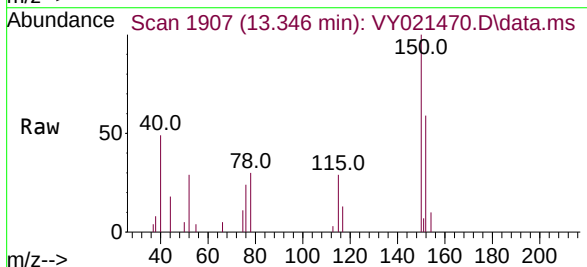
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

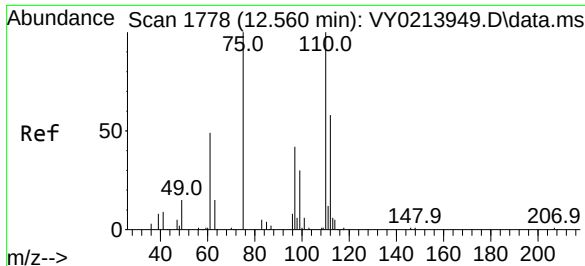
Tgt Ion:	117	Resp:	9279
Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.6	67.0
119	32.4	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

Tgt Ion:	152	Resp:	1360
Ion	Ratio	Lower	Upper
152	100		
115	61.8	29.0	87.0
150	163.2	0.0	347.2

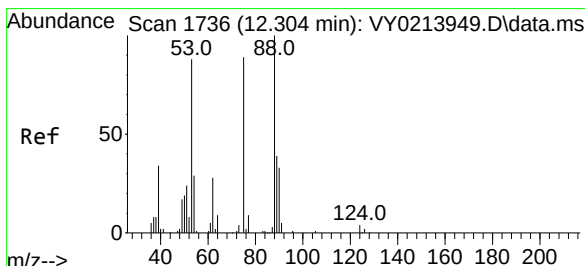
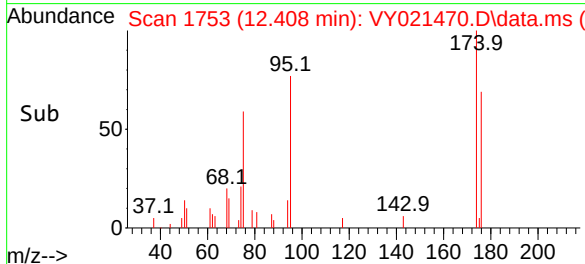
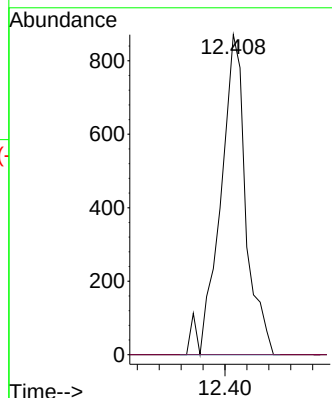
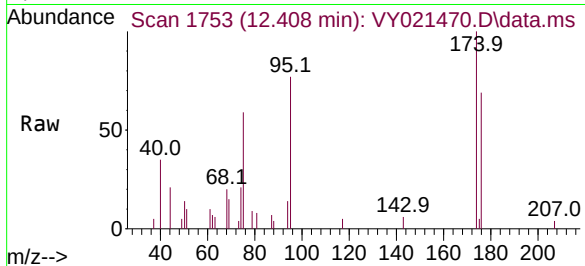




#76
1,2,3-Trichloropropane
Concen: 102.813 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

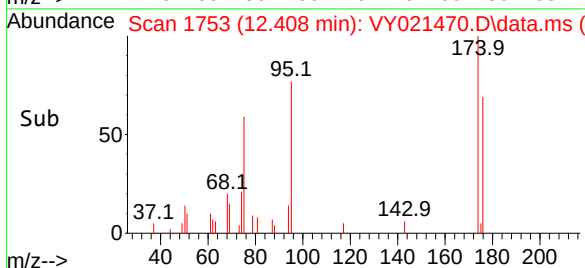
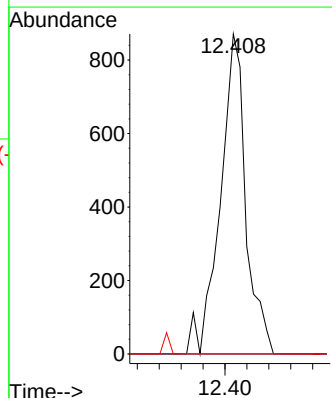
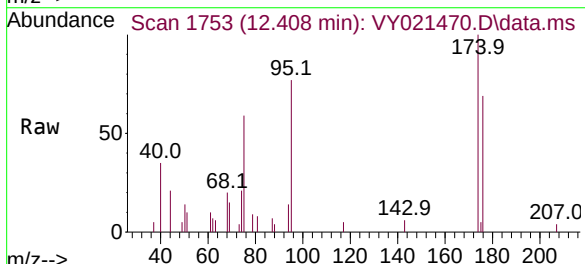
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

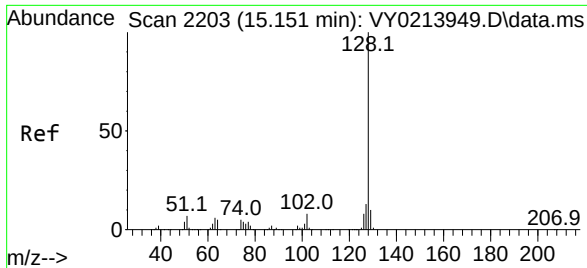
Tgt Ion: 75 Resp: 1409
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 233.726 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021470.D
Acq: 07 Mar 2025 18:46

Tgt Ion: 75 Resp: 1409
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 2.073 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021470.D

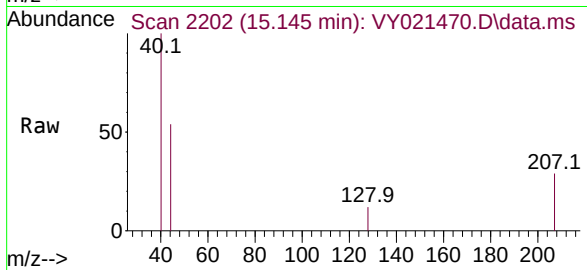
Acq: 07 Mar 2025 18:46

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-COMP



Tgt Ion:	128	Resp:	23
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#

