

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021297.D
 Acq On : 21 Feb 2025 19:41
 Operator : SY/MD
 Sample : Q1393-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-COMP

Quant Time: Feb 21 23:11:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

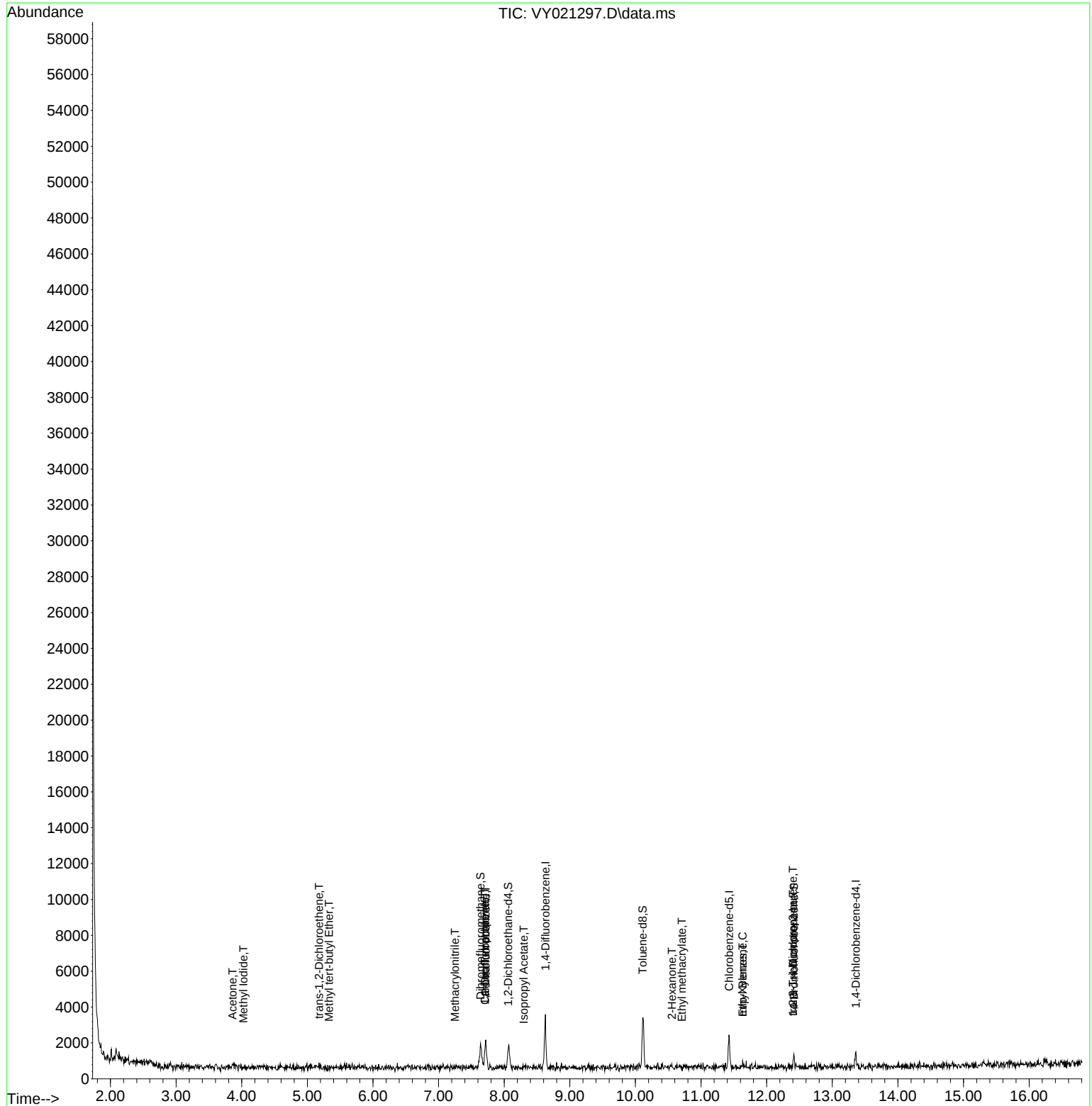
Internal Standards						
1) Pentafluorobenzene	7.720	168	1476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	2406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	1003	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	1328	87.814	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	175.620%#
35) Dibromofluoromethane	7.640	113	1091	70.756	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	141.520%
50) Toluene-d8	10.109	98	2314	39.419	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.840%
62) 4-Bromofluorobenzene	12.414	95	238	12.410	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	24.820%#
Target Compounds						
						Qvalue
10) Methyl Iodide	4.025	142	46	2.771	ug/l #	40
16) Acetone	3.860	43	156	66.147	ug/l #	41
19) Methyl tert-butyl Ether	5.330	73	51	1.434	ug/l #	54
21) trans-1,2-Dichloroethene	5.177	96	24	1.549	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	169	7.400	ug/l #	42
38) Carbon Tetrachloride	7.707	117	84	3.148	ug/l #	12
41) Methacrylonitrile	7.250	41	23	3.968	ug/l #	23
43) Isopropyl Acetate	8.299	43	23	1.155	ug/l #	51
56) Ethyl methacrylate	10.707	69	22	1.442	ug/l #	27
59) 2-Hexanone	10.554	43	20	3.103	ug/l #	23
67) Ethyl Benzene	11.633	91	75	1.899	ug/l #	1
68) m/p-Xylenes	11.633	106	26	1.759	ug/l #	42
76) 1,2,3-Trichloropropane	12.402	75	187	79.287	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	187	161.783	ug/l #	12

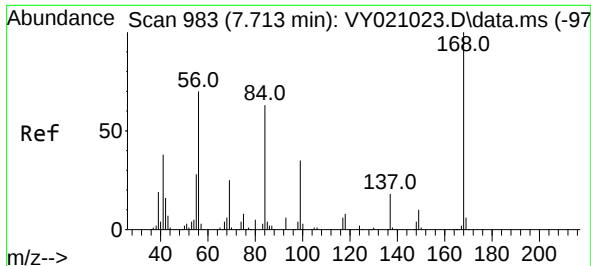
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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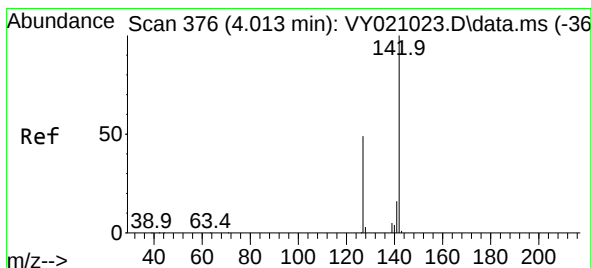
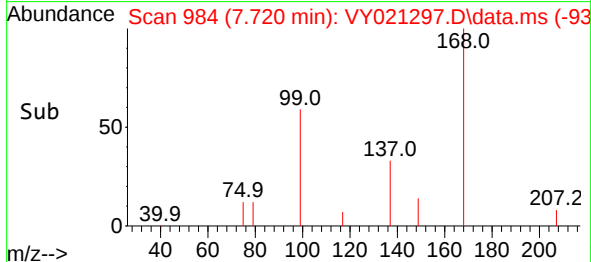
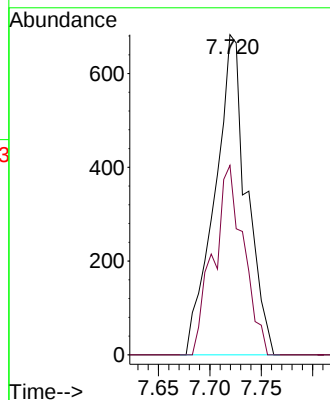
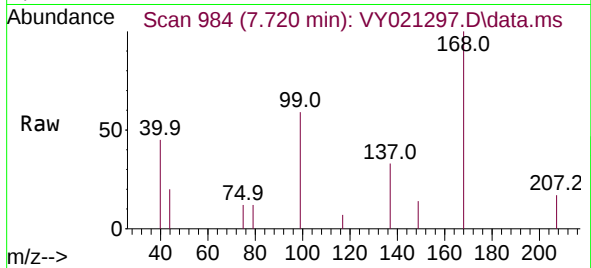




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 984
Delta R.T. 0.007 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

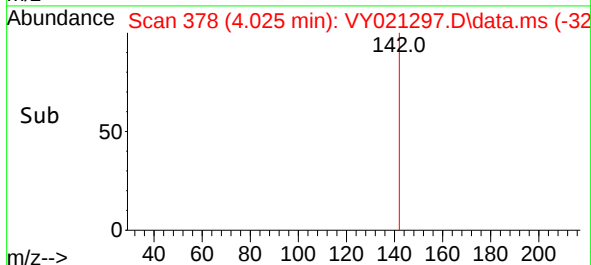
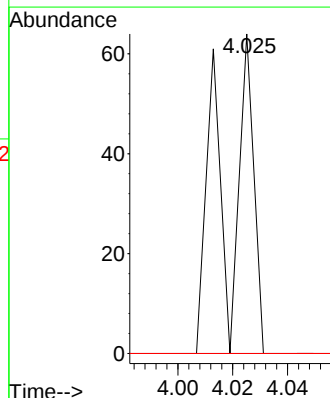
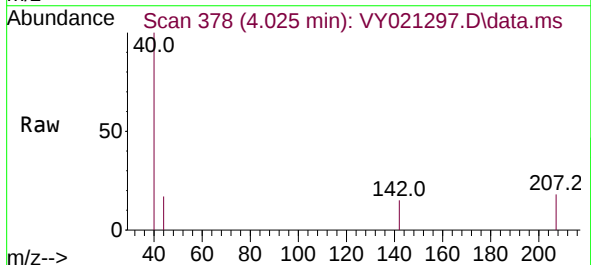
Instrument :
MSVOA_Y
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SOIL-COMP

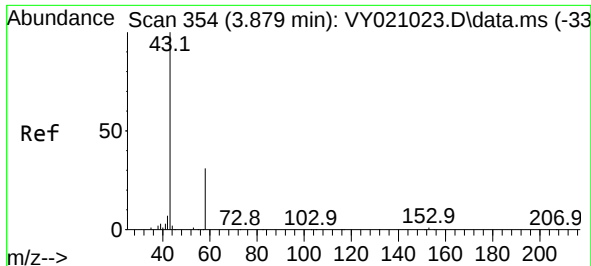
Tgt Ion:168 Resp: 1476
Ion Ratio Lower Upper
168 100
99 59.2 44.2 66.4



#10
Methyl Iodide
Concen: 2.771 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

Tgt Ion:142 Resp: 46
Ion Ratio Lower Upper
142 100
127 0.0 35.1 52.7#
141 0.0 11.8 17.6#

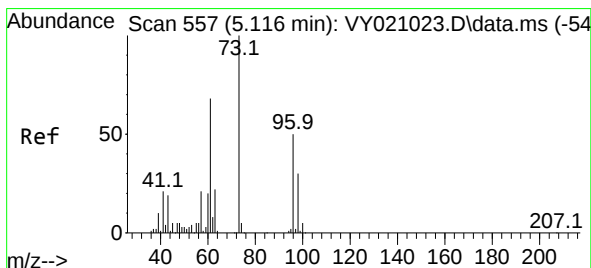
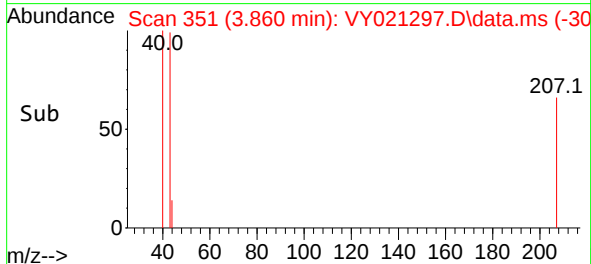
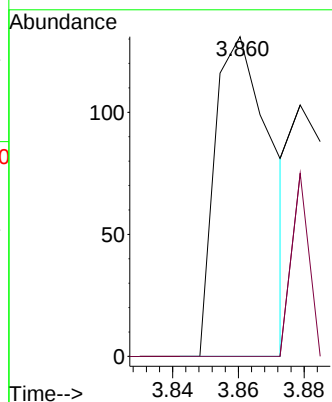
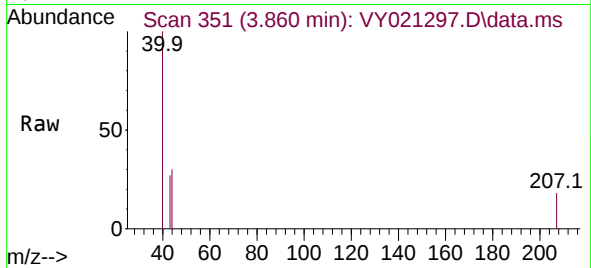




#16
Acetone
Concen: 66.147 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

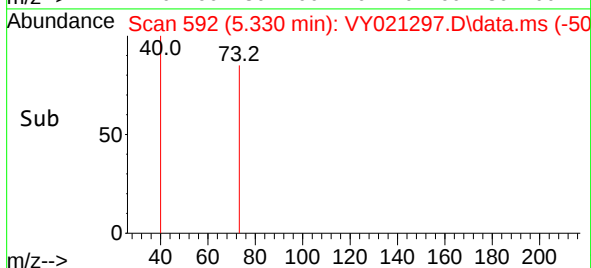
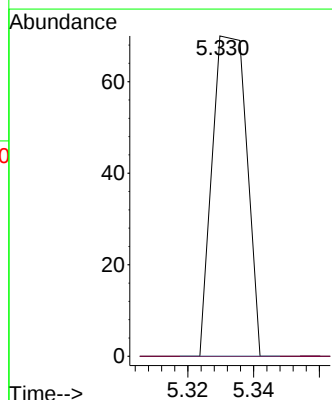
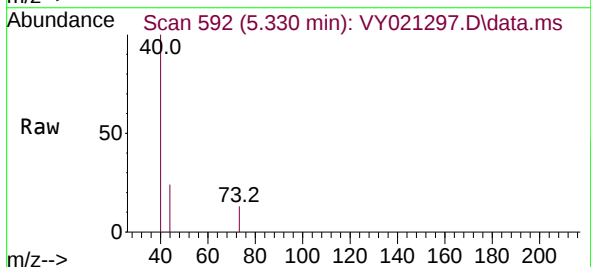
Instrument :
MSVOA_Y
ClientSampleId :
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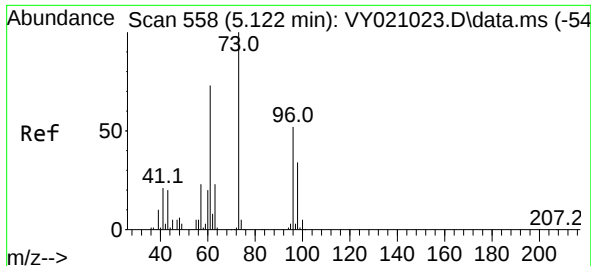
Tgt Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#19
Methyl tert-butyl Ether
Concen: 1.434 ug/l
RT: 5.330 min Scan# 592
Delta R.T. 0.213 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

Tgt Ion: 73 Resp: 51
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#

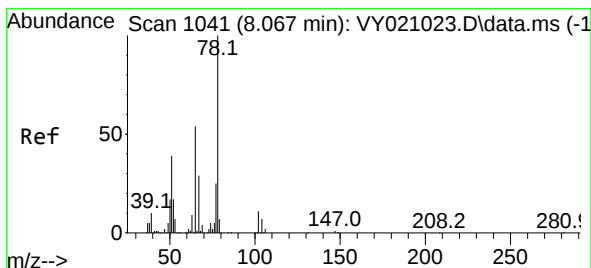
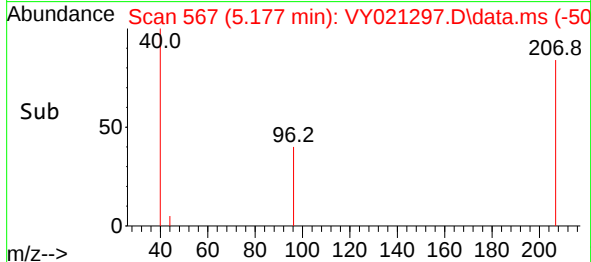
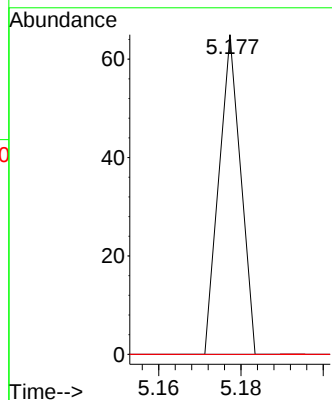
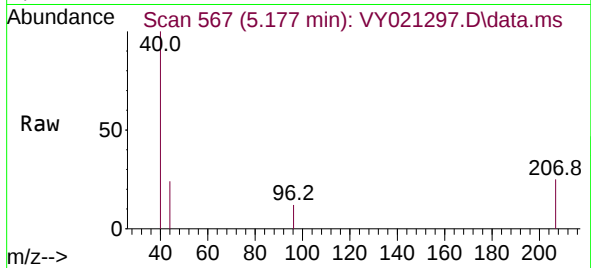




#21
trans-1,2-Dichloroethene
Concen: 1.549 ug/l
RT: 5.177 min Scan# 50
Delta R.T. 0.055 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

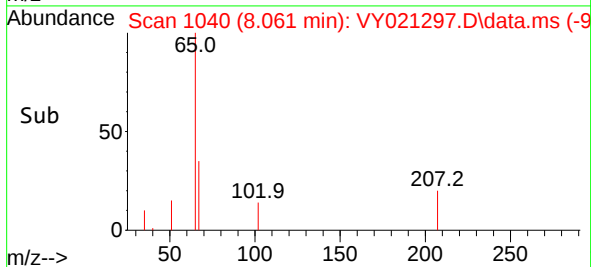
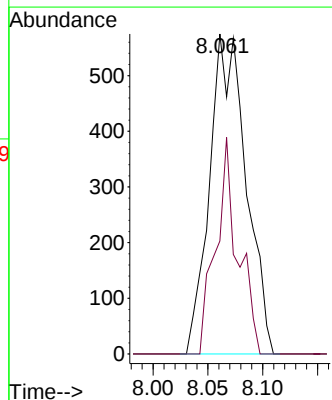
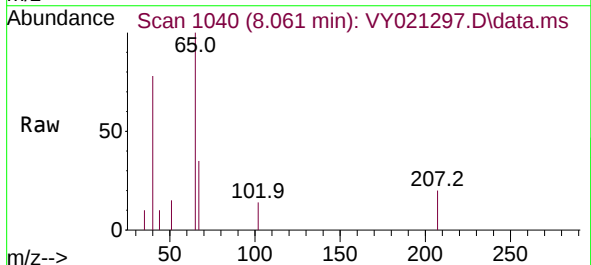
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

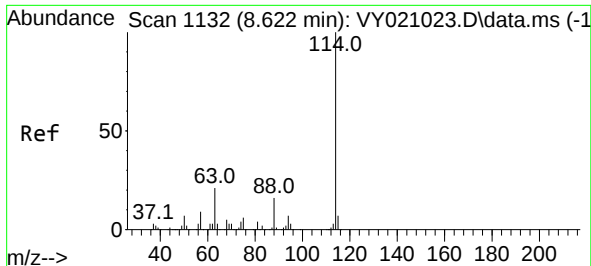
Tgt Ion: 96 Resp: 24
Ion Ratio Lower Upper
96 100
61 0.0 104.6 156.8#
98 0.0 50.9 76.3#



#33
1,2-Dichloroethene-d4
Concen: 87.814 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

Tgt Ion: 65 Resp: 1328
Ion Ratio Lower Upper
65 100
67 41.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY021297.D

Acq: 21 Feb 2025 19:41

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-COMP

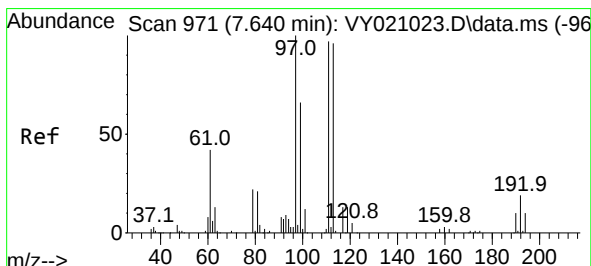
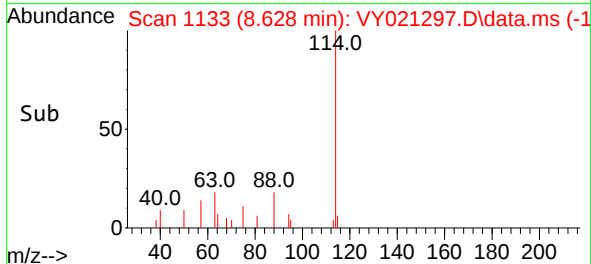
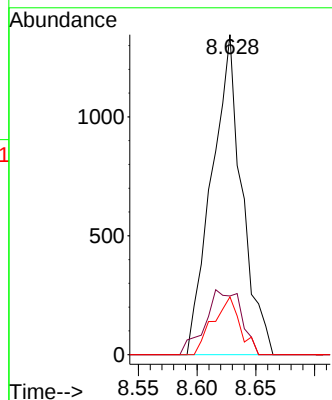
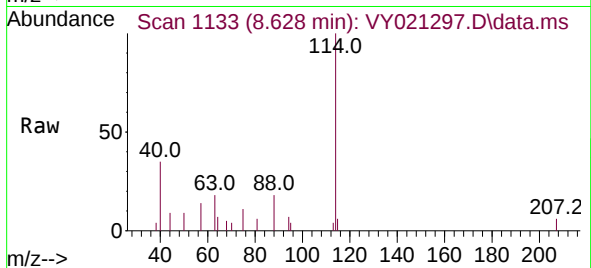
Tgt Ion:114 Resp: 2406

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.4

88 18.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 70.756 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY021297.D

Acq: 21 Feb 2025 19:41

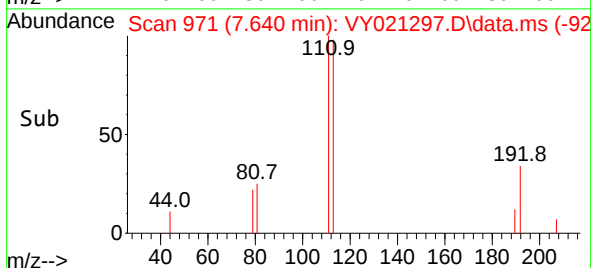
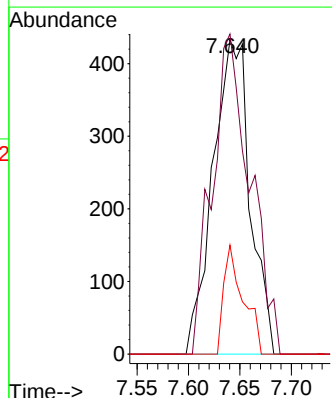
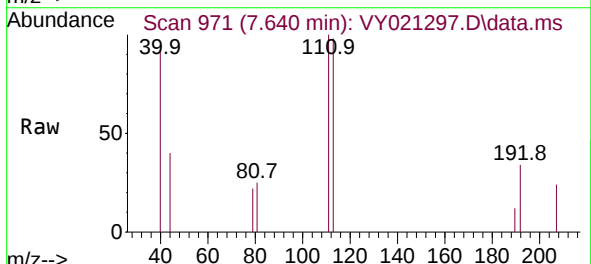
Tgt Ion:113 Resp: 1091

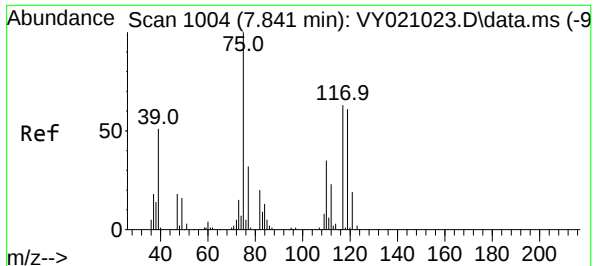
Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 18.2 14.5 21.7





#36

1,1-Dichloropropene

Concen: 7.400 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021297.D

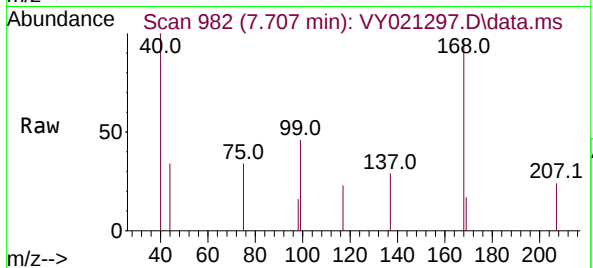
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Instrument :

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ClientSampleId :

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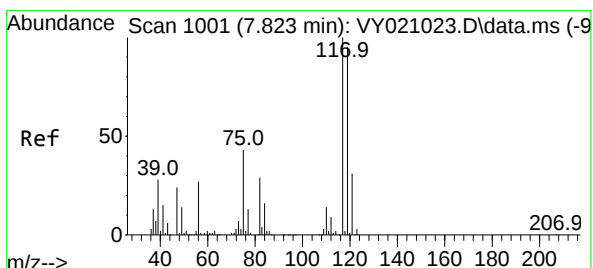
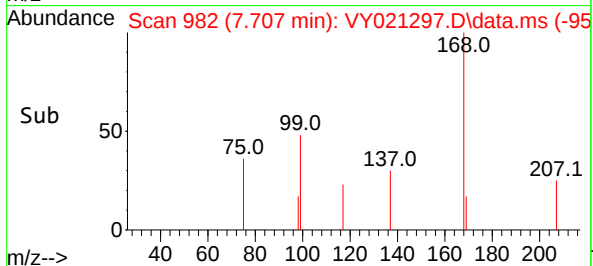
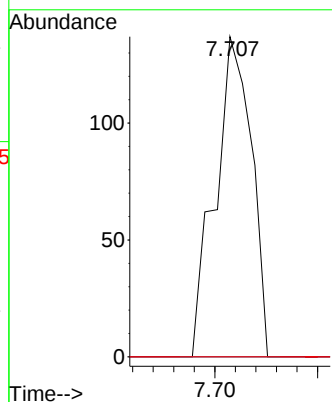
Tgt Ion: 75 Resp: 169

Ion Ratio Lower Upper

75 100

110 0.0 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 3.148 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021297.D

Acq: 21 Feb 2025 19:41

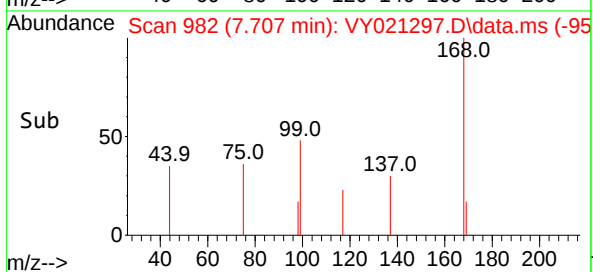
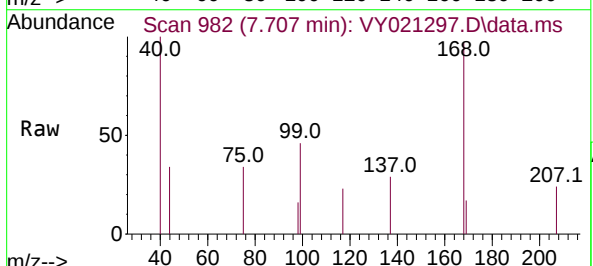
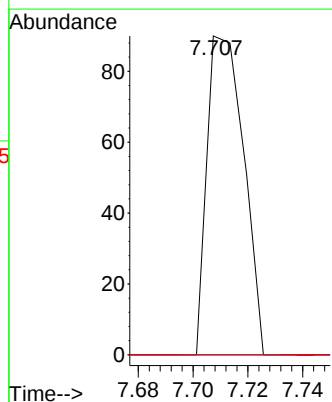
Tgt Ion: 117 Resp: 84

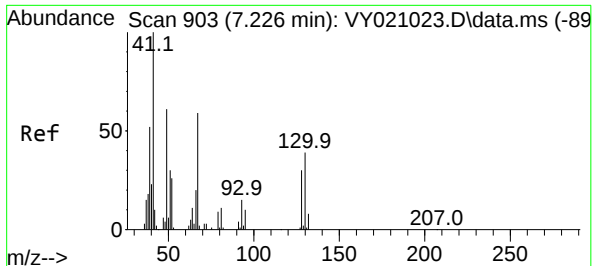
Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.2 36.2#

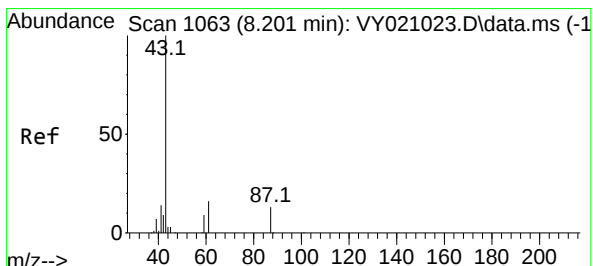
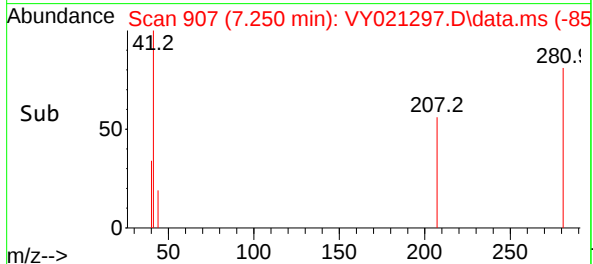
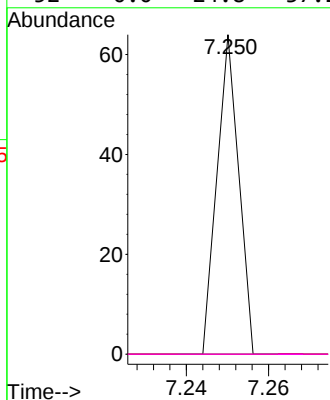
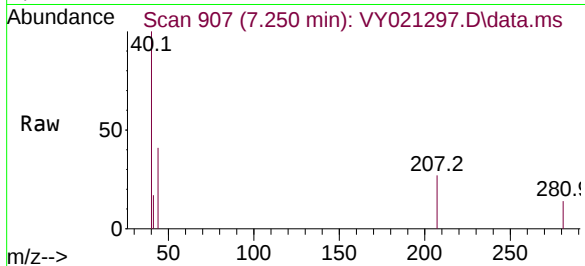




#41
Methacrylonitrile
Concen: 3.968 ug/l
RT: 7.250 min Scan# 90
Delta R.T. 0.024 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

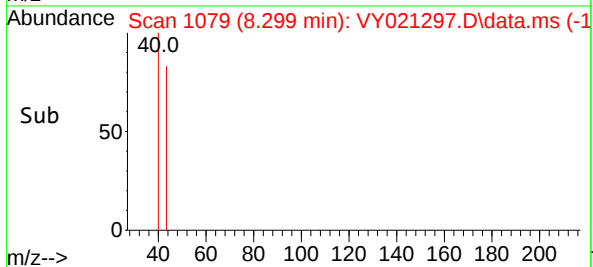
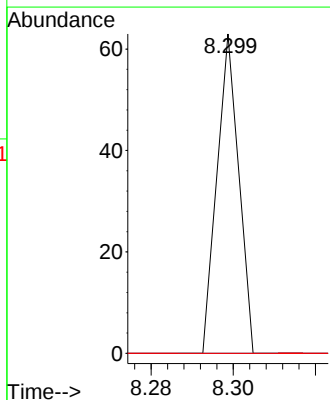
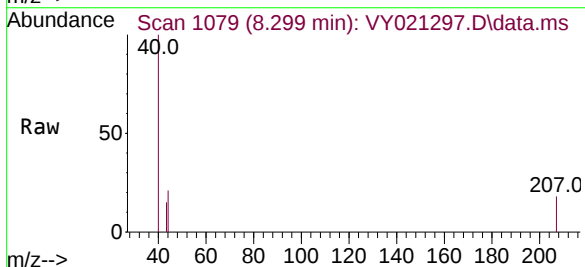
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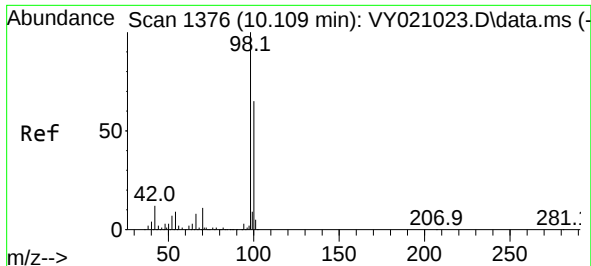
Tgt Ion:	41	Resp:	23
Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.9	62.9#
67	0.0	59.8	89.6#
52	0.0	24.8	37.2#



#43
Isopropyl Acetate
Concen: 1.155 ug/l
RT: 8.299 min Scan# 1079
Delta R.T. 0.098 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

Tgt Ion:	43	Resp:	23
Ion	Ratio	Lower	Upper
43	100		
61	0.0	24.8	37.2#
87	0.0	10.7	16.1#

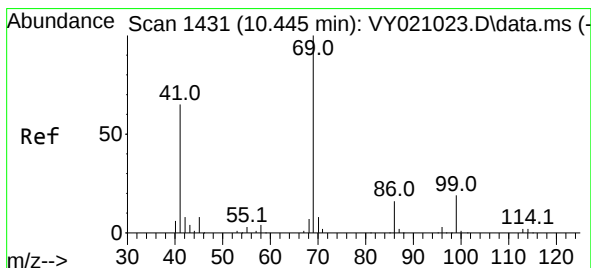
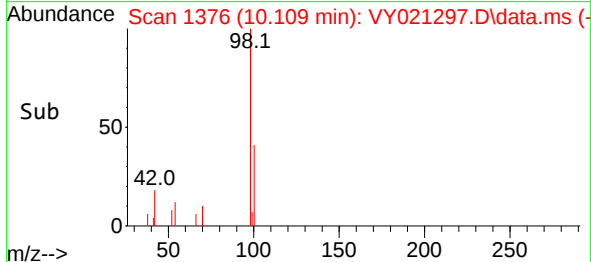
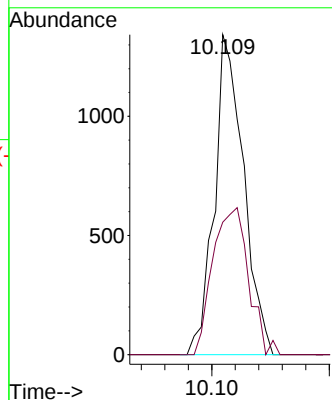
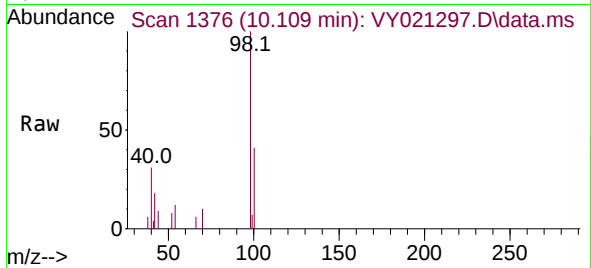




#50
Toluene-d8
Concen: 39.419 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

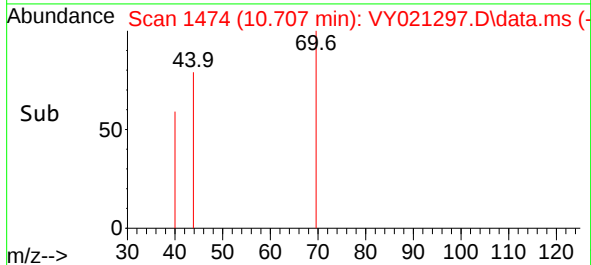
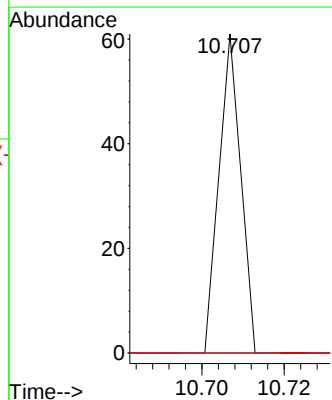
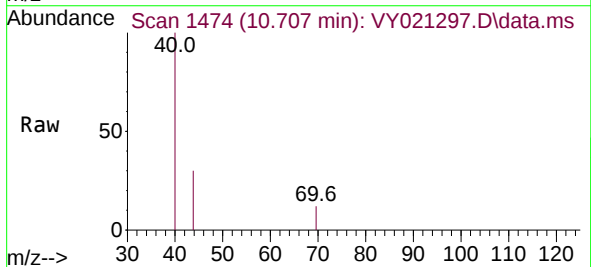
Instrument :
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SOIL-COMP

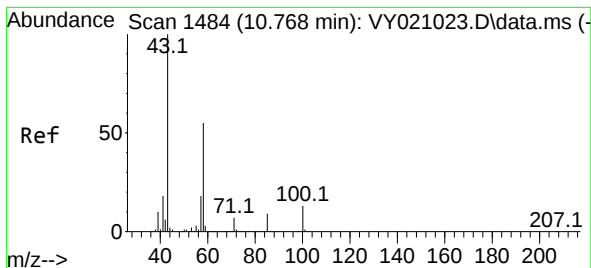
Tgt Ion: 98 Resp: 2314
Ion Ratio Lower Upper
98 100
100 56.2 52.3 78.5



#56
Ethyl methacrylate
Concen: 1.442 ug/l
RT: 10.707 min Scan# 1474
Delta R.T. 0.262 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

Tgt Ion: 69 Resp: 22
Ion Ratio Lower Upper
69 100
41 0.0 49.2 73.8#
39 0.0 26.8 40.2#

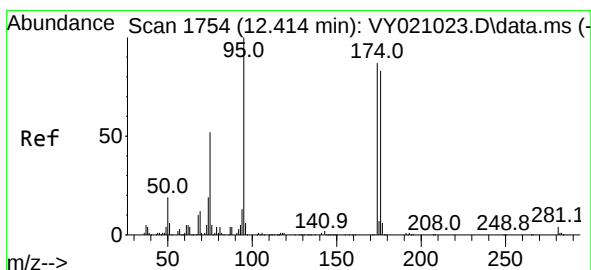
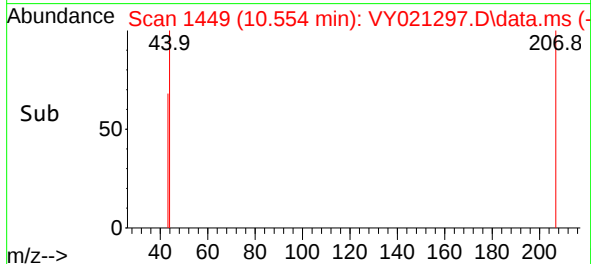
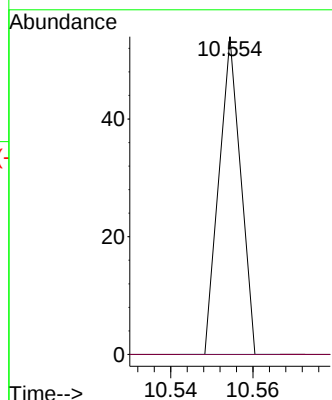
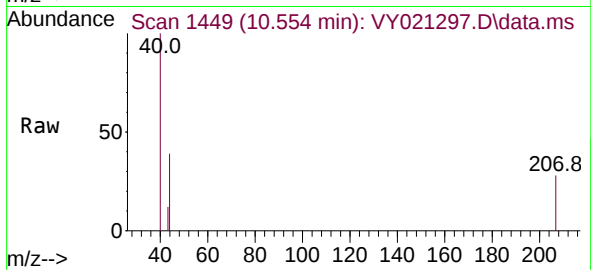




#59
2-Hexanone
Concen: 3.103 ug/l
RT: 10.554 min Scan# 1484
Delta R.T. -0.213 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

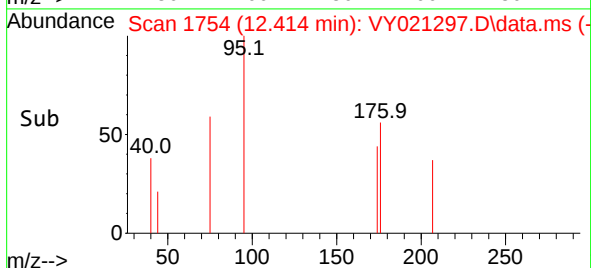
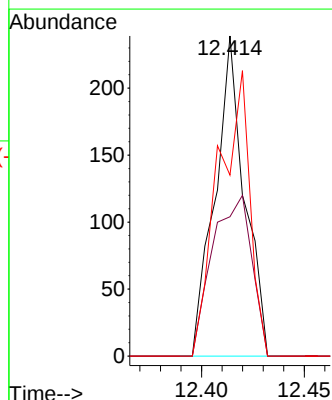
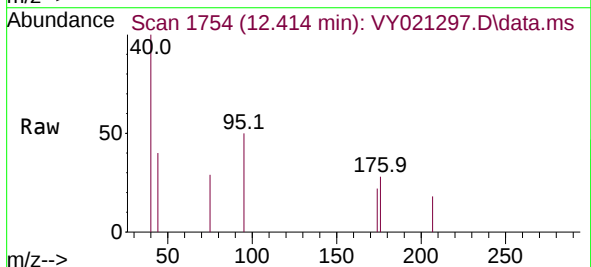
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

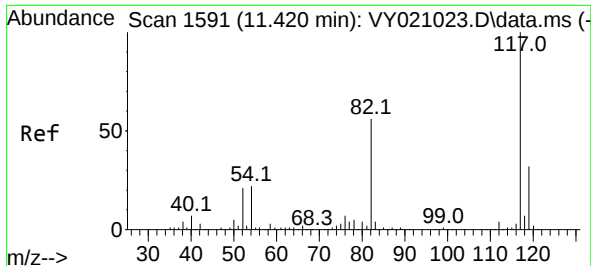
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 12.410 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

Tgt Ion: 95 Resp: 238
Ion Ratio Lower Upper
95 100
174 66.8 0.0 160.0
176 95.0 0.0 151.8

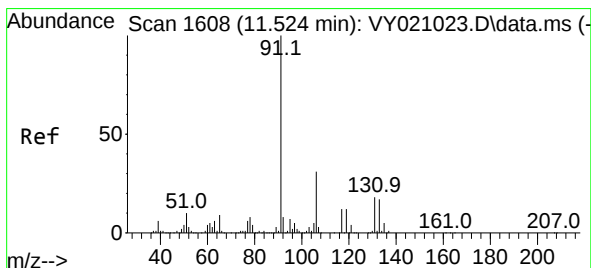
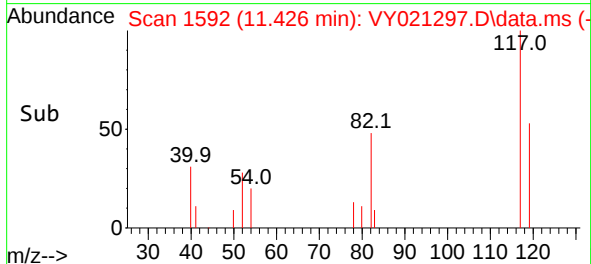
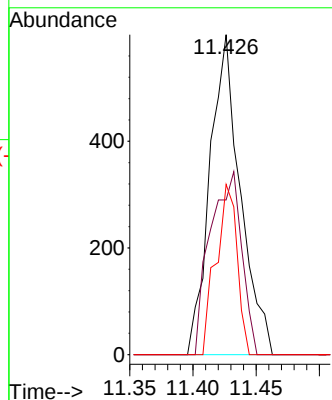
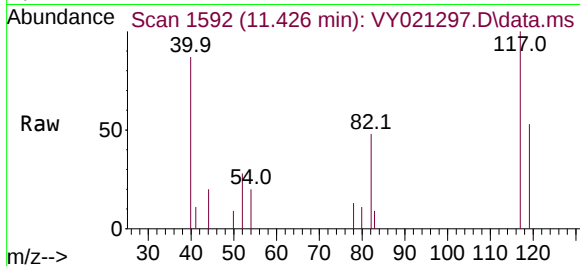




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

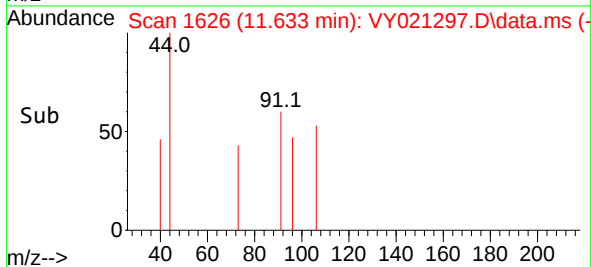
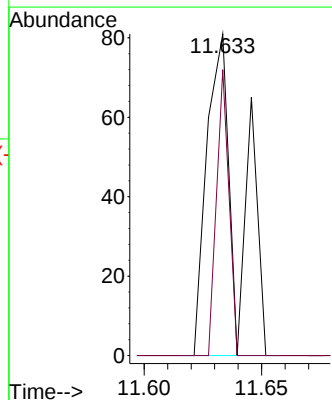
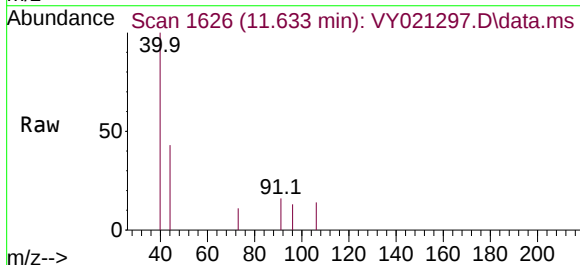
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

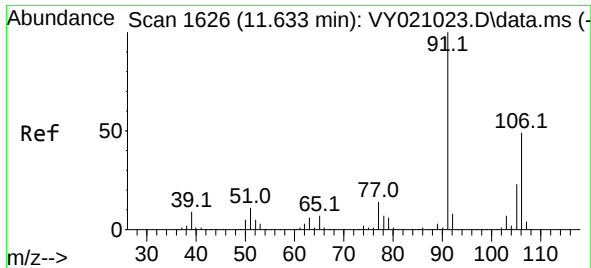
Tgt Ion:117 Resp: 1003
Ion Ratio Lower Upper
117 100
82 48.3 43.8 65.8
119 53.2 26.5 39.7#



#67
Ethyl Benzene
Concen: 1.899 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.110 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

Tgt Ion: 91 Resp: 75
Ion Ratio Lower Upper
91 100
106 88.9 25.0 37.4#

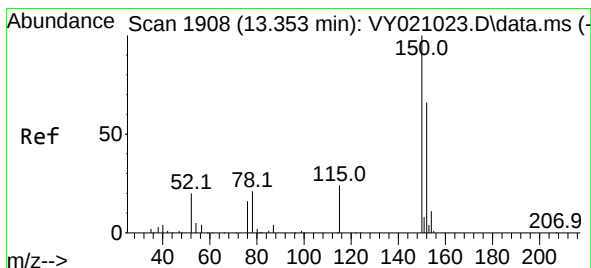
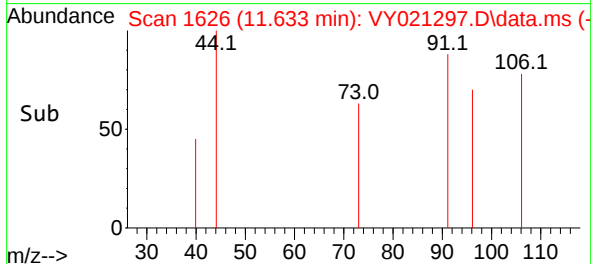
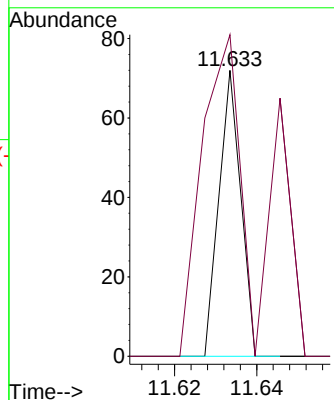
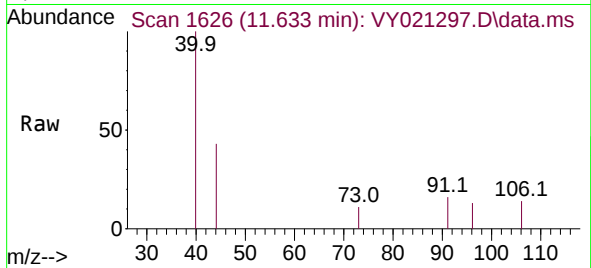




#68
m/p-Xylenes
Concen: 1.759 ug/l
RT: 11.633 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

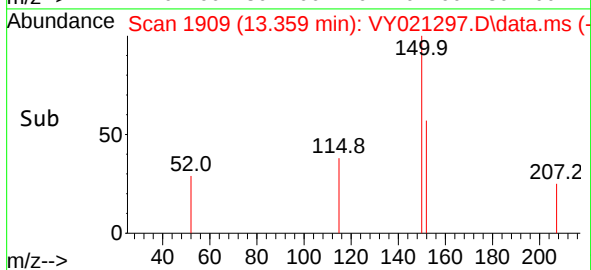
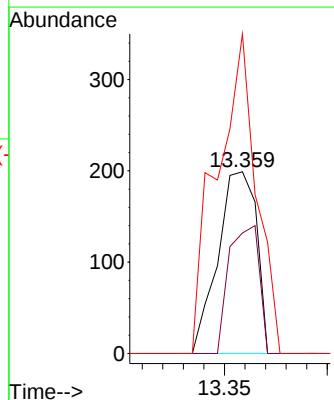
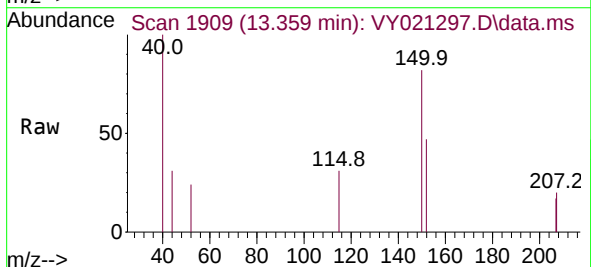
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

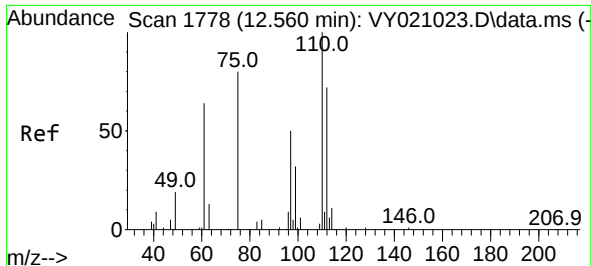
Tgt Ion:106 Resp: 26
Ion Ratio Lower Upper
106 100
91 288.5 160.7 241.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

Tgt Ion:152 Resp: 260
Ion Ratio Lower Upper
152 100
115 54.6 30.0 90.0
150 180.0 0.0 344.6

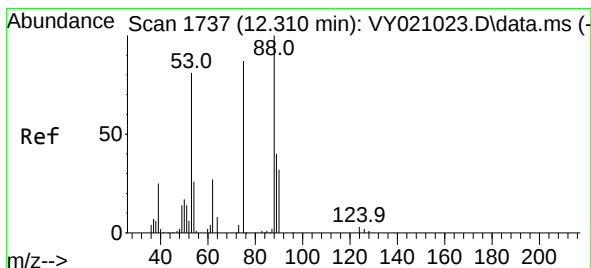
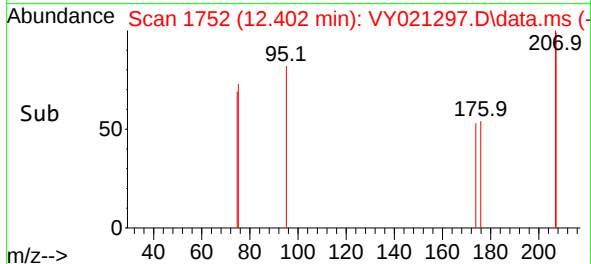
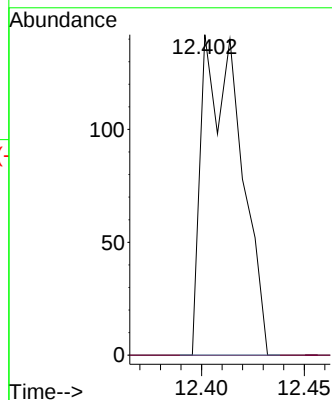
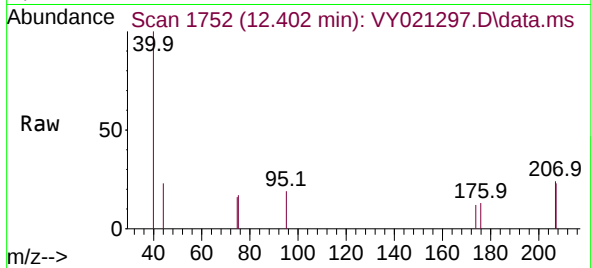




#76
1,2,3-Trichloropropane
Concen: 79.287 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.159 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-COMP

Tgt Ion: 75 Resp: 187
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 161.783 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.091 min
Lab File: VY021297.D
Acq: 21 Feb 2025 19:41

Tgt Ion: 75 Resp: 187
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

