

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021388.D
 Acq On : 28 Feb 2025 18:15
 Operator : SY/MD
 Sample : Q1458-02
 Misc : 4.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-SOIL-VOC

Quant Time: Feb 28 22:23:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

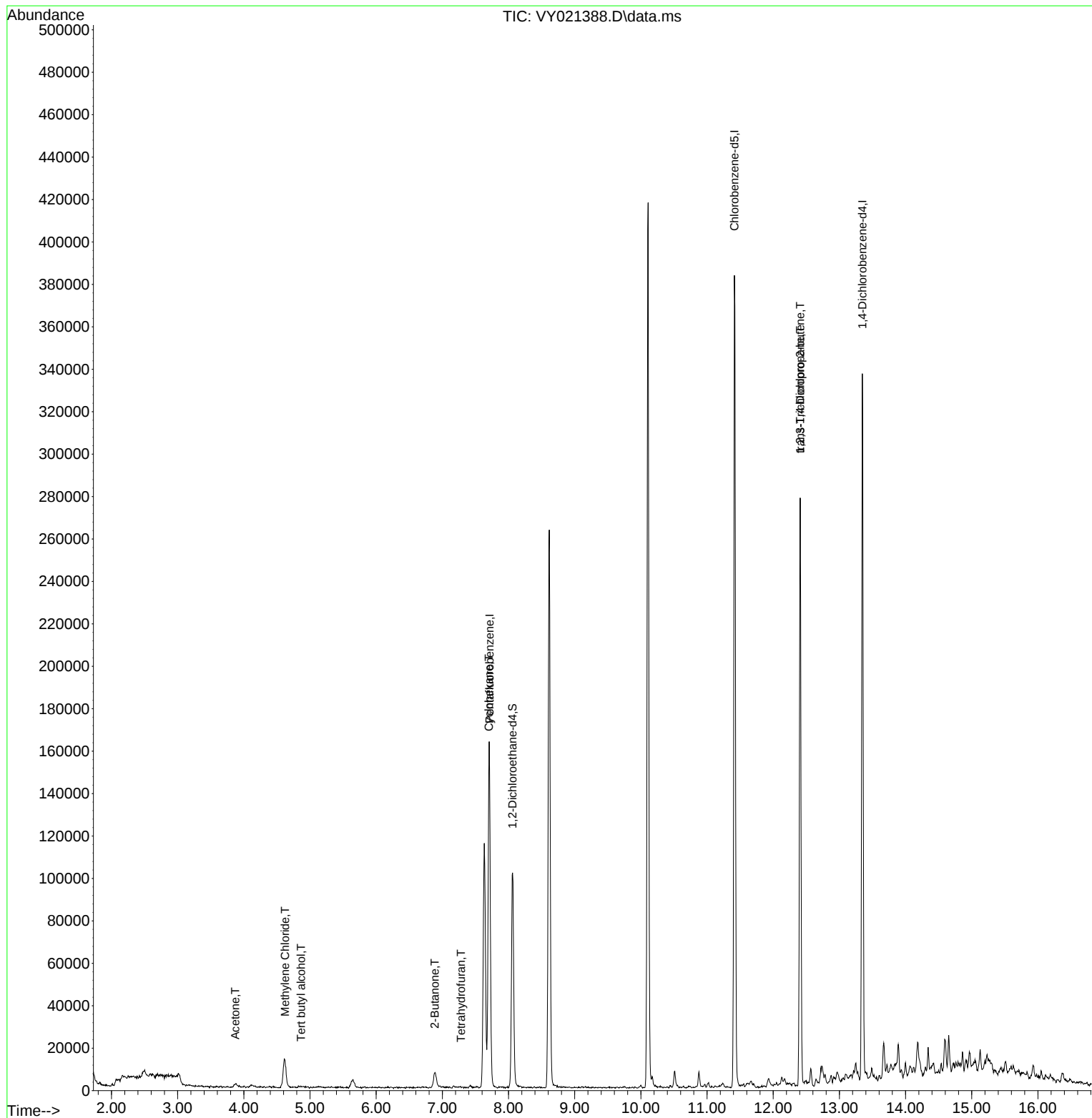
Internal Standards						
1) Pentafluorobenzene	7.713	168	120176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/l	-8.62
63) Chlorobenzene-d5	11.414	117	199966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	81443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	81845	60.035	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.060%
35) Dibromofluoromethane	7.634	113	80120	0.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.109	98	266632	0.000	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	12.408	95	81095	0.000	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	379	3.614	ug/l #	72
16) Acetone	3.872	43	3585	13.709	ug/l #	89
20) Methylene Chloride	4.622	84	9244	6.537	ug/l #	83
25) 2-Butanone	6.884	43	543	1.376	ug/l #	52
29) Tetrahydrofuran	7.280	42	364	1.411	ug/l #	35
31) Cyclohexane	7.701	56	3110	1.294	ug/l #	46
76) 1,2,3-Trichloropropane	12.408	75	44323	54.371	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	44323	120.847	ug/l #	10

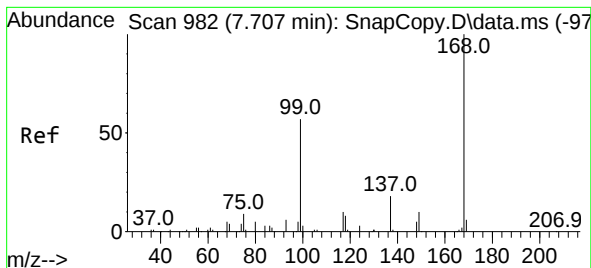
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
Data File : VY021388.D
Acq On : 28 Feb 2025 18:15
Operator : SY/MD
Sample : Q1458-02
Misc : 4.65g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SP-SOIL-VOC

Quant Time: Feb 28 22:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 26 02:09:13 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY021388.D

Acq: 28 Feb 2025 18:15

Instrument :

MSVOA_Y

ClientSampleId :

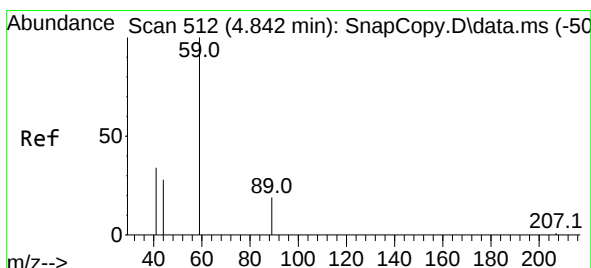
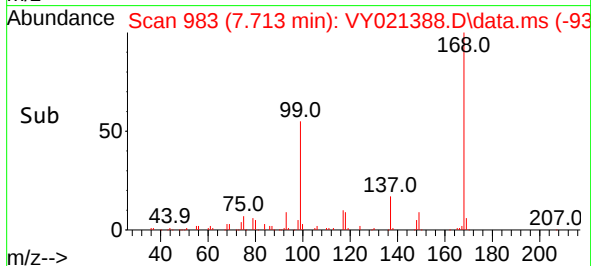
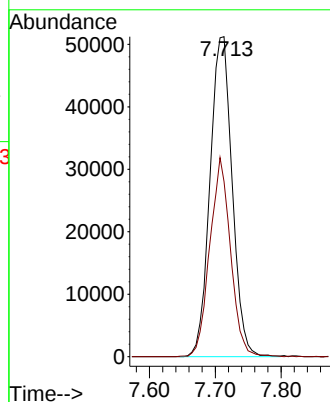
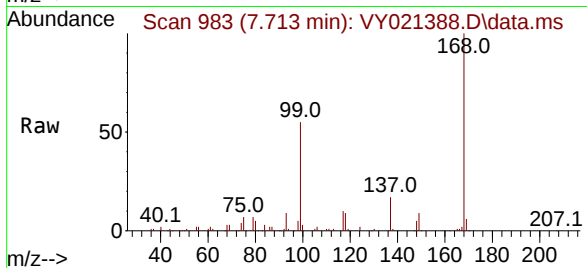
SP-SOIL-VOC

Tgt Ion:168 Resp: 120176

Ion Ratio Lower Upper

168 100

99 54.6 47.1 70.7



#11

Tert butyl alcohol

Concen: 3.614 ug/l

RT: 4.866 min Scan# 516

Delta R.T. 0.012 min

Lab File: VY021388.D

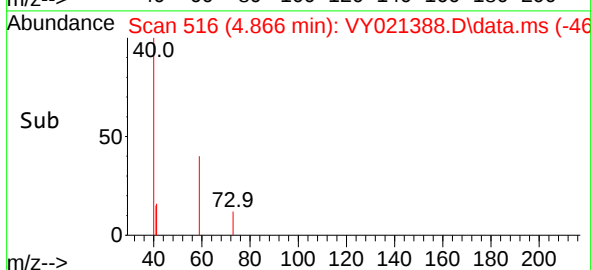
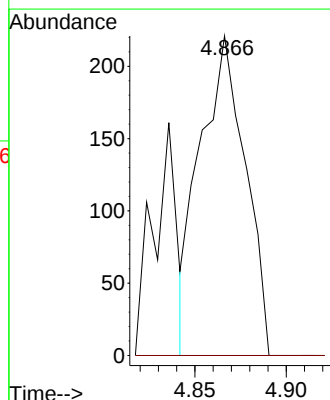
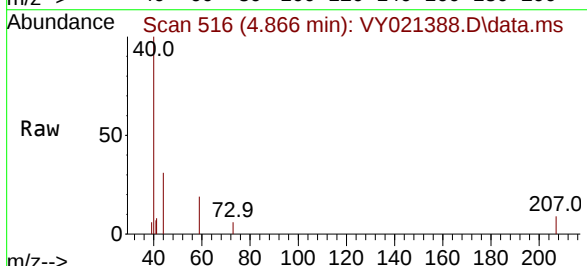
Acq: 28 Feb 2025 18:15

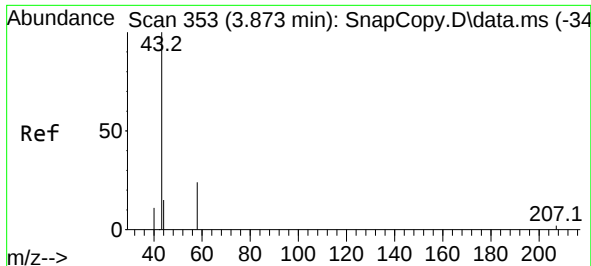
Tgt Ion: 59 Resp: 379

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

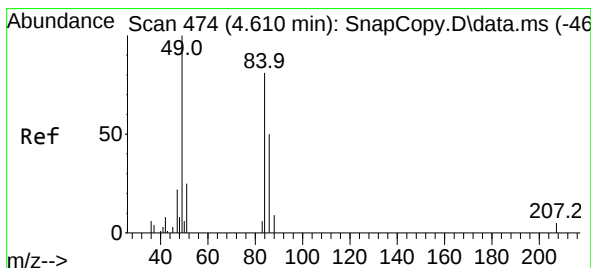
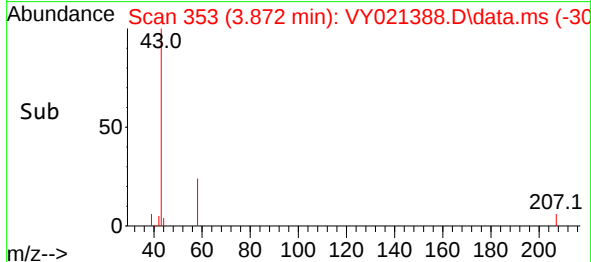
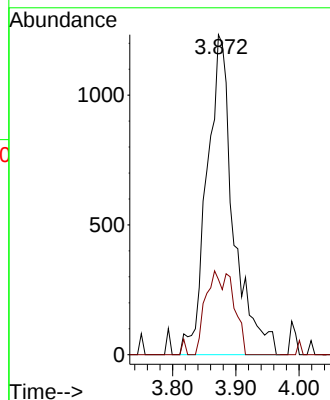
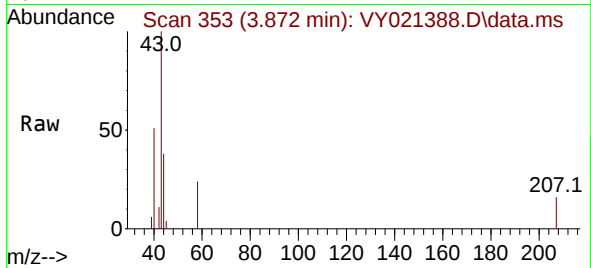




#16
Acetone
Concen: 13.709 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY021388.D
Acq: 28 Feb 2025 18:15

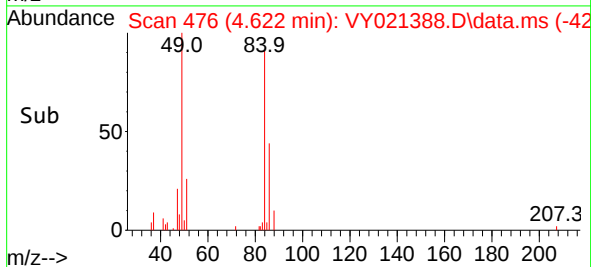
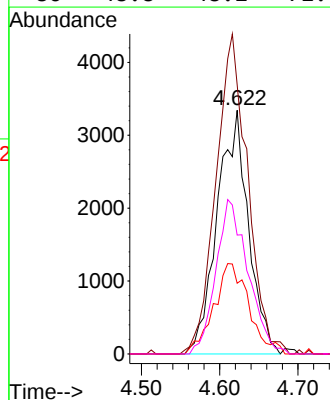
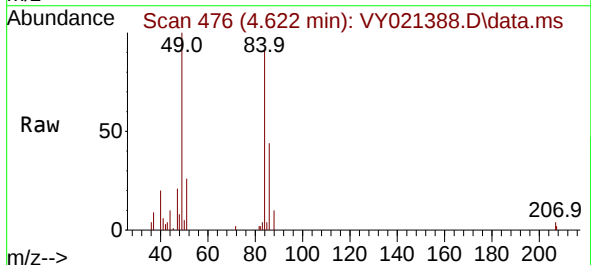
Instrument :
MSVOA_Y
ClientSampleId :
SP-SOIL-VOC

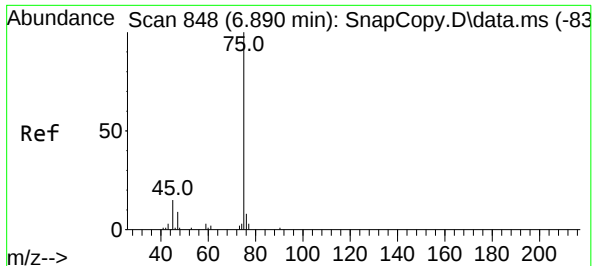
Tgt Ion: 43 Resp: 3585
Ion Ratio Lower Upper
43 100
58 23.5 23.5 35.3#



#20
Methylene Chloride
Concen: 6.537 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY021388.D
Acq: 28 Feb 2025 18:15

Tgt Ion: 84 Resp: 9244
Ion Ratio Lower Upper
84 100
49 110.5 105.1 157.7
51 29.0 31.0 46.4#
86 48.8 48.2 72.4





#25

2-Butanone

Concen: 1.376 ug/l

RT: 6.884 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY021388.D

Acq: 28 Feb 2025 18:15

Instrument :

MSVOA_Y

ClientSampleId :

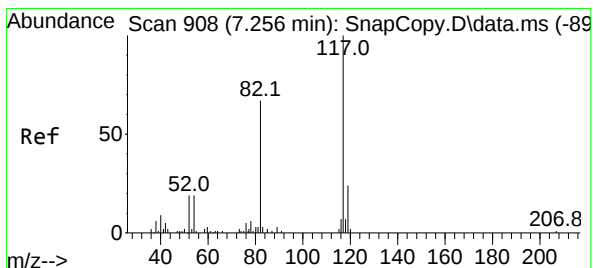
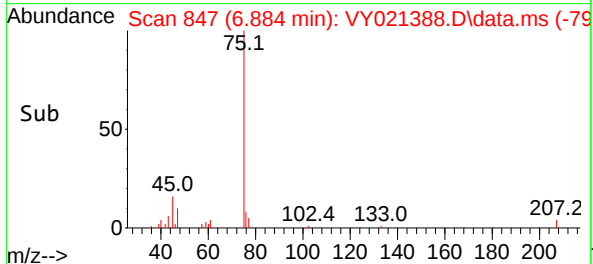
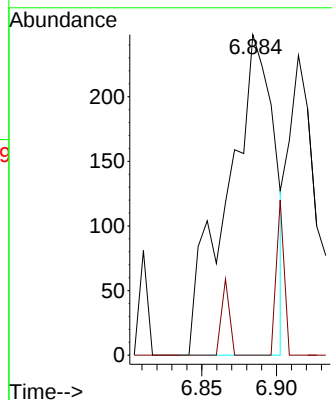
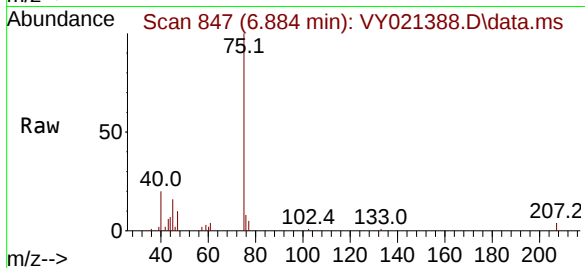
SP-SOIL-VOC

Tgt Ion: 43 Resp: 543

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.6#



#29

Tetrahydrofuran

Concen: 1.411 ug/l

RT: 7.280 min Scan# 912

Delta R.T. 0.024 min

Lab File: VY021388.D

Acq: 28 Feb 2025 18:15

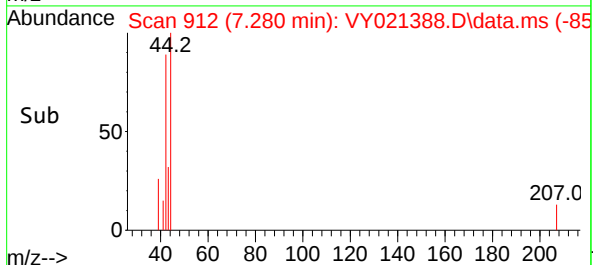
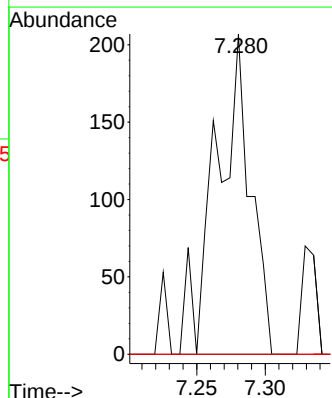
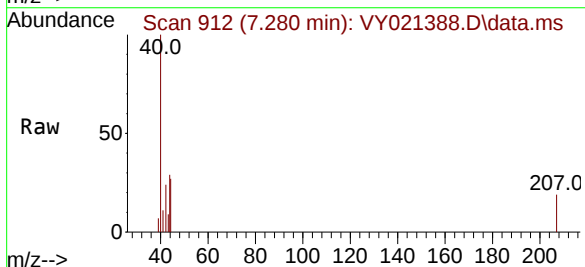
Tgt Ion: 42 Resp: 364

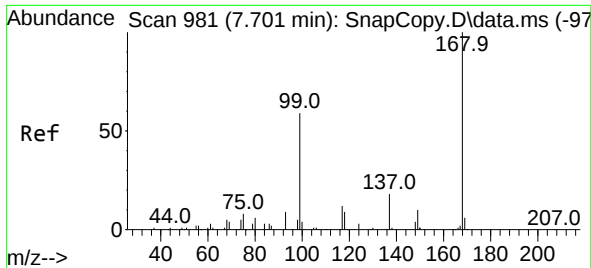
Ion Ratio Lower Upper

42 100

72 0.0 33.1 49.7#

71 0.0 31.4 47.0#

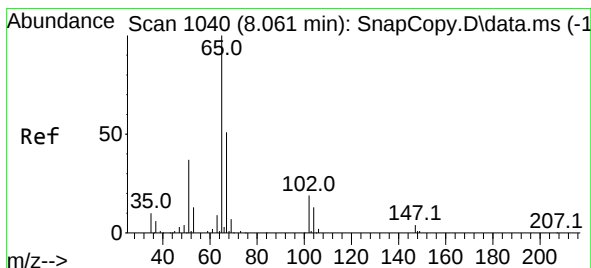
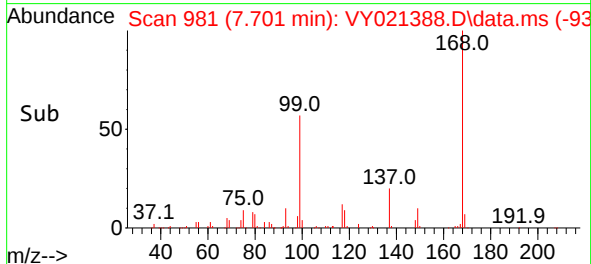
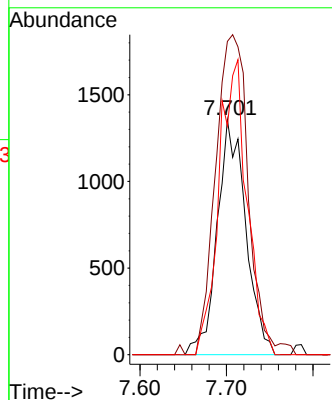
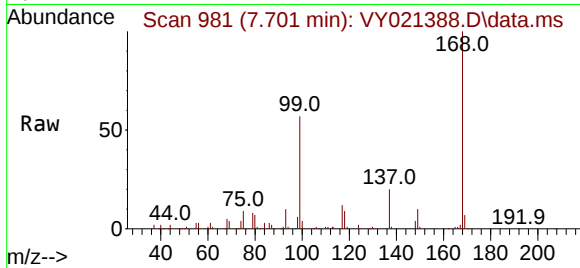




#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021388.D
Acq: 28 Feb 2025 18:15

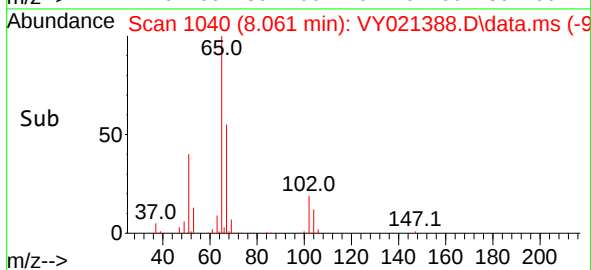
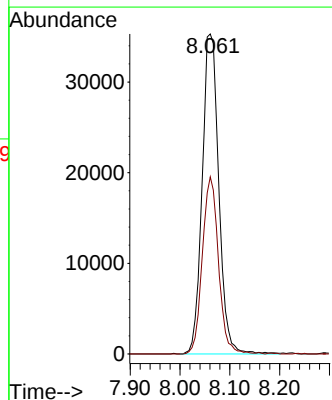
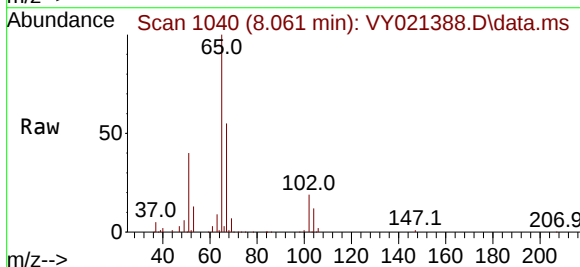
Instrument :
MSVOA_Y
ClientSampleId :
SP-SOIL-VOC

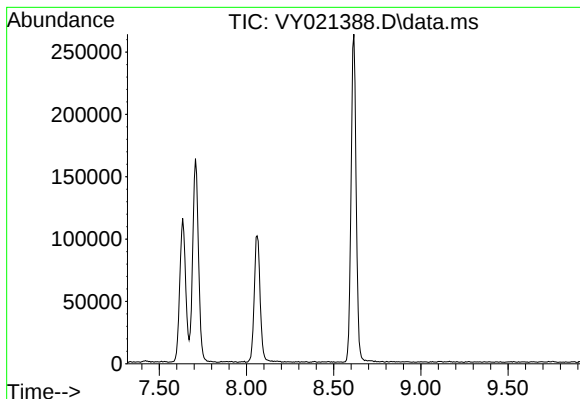
Tgt Ion: 56 Resp: 3110
Ion Ratio Lower Upper
56 100
69 129.0 26.2 39.4#
84 97.3 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 60.035 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021388.D
Acq: 28 Feb 2025 18:15

Tgt Ion: 65 Resp: 81845
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.6



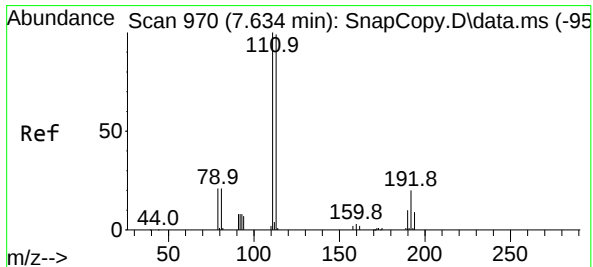
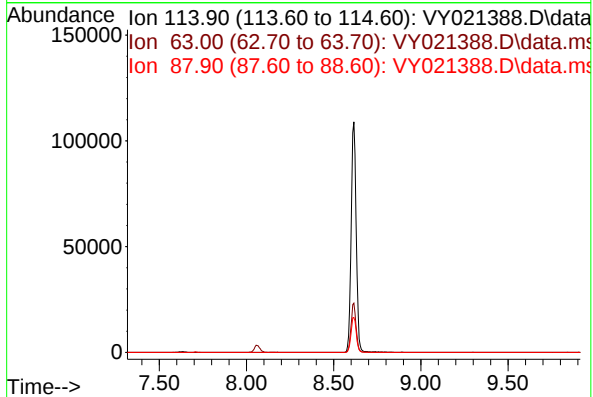


#34
1,4-Difluorobenzene
Concen: 0.000 ug/l
Expected RT: 8.62 min

Lab File: VY021388.D
Acq: 28 Feb 2025 18:15

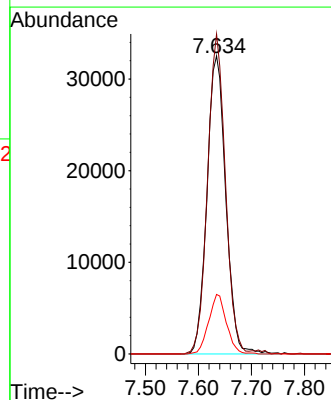
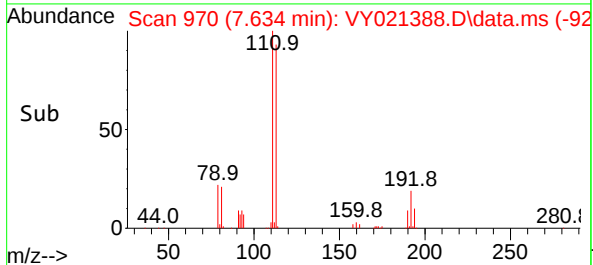
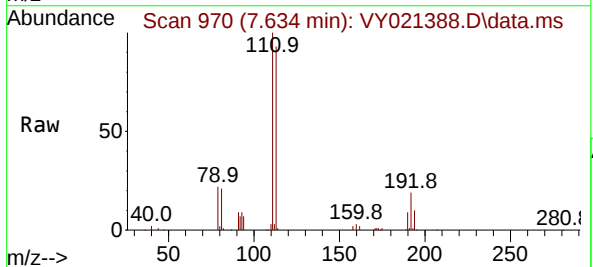
Instrument :
MSVOA_Y
ClientSampleId :
SP-SOIL-VOC

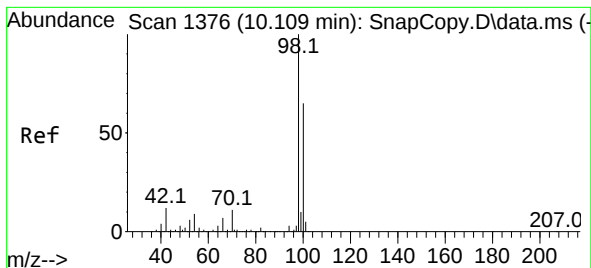
Tgt Ion: 114
Sig Exp Ratio
114 100
63 21.1
88 14.9



#35
Dibromofluoromethane
Concen: 0.000 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021388.D
Acq: 28 Feb 2025 18:15

Tgt Ion: 113 Resp: 80120
Ion Ratio Lower Upper
113 100
111 101.8 81.0 121.6
192 18.9 15.8 23.8

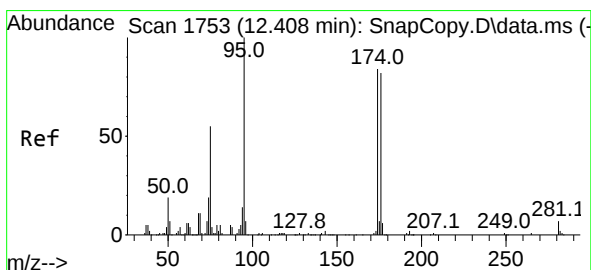
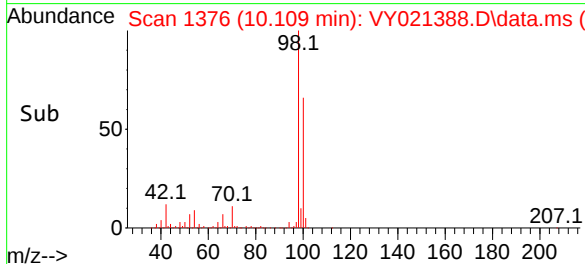
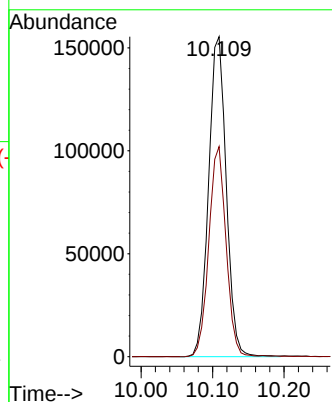
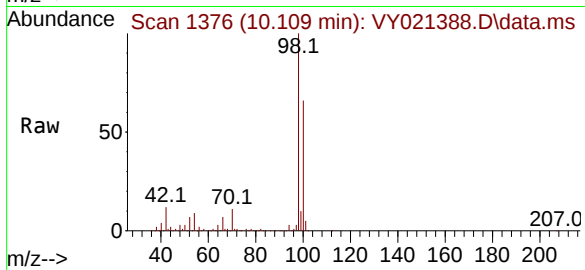




#50
Toluene-d8
Concen: 0.000 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021388.D
Acq: 28 Feb 2025 18:15

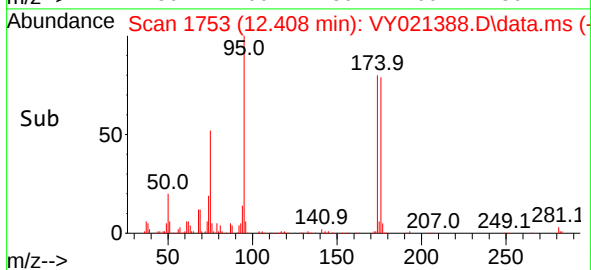
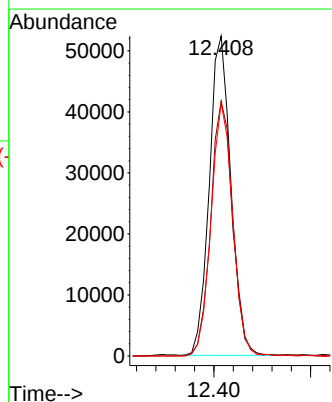
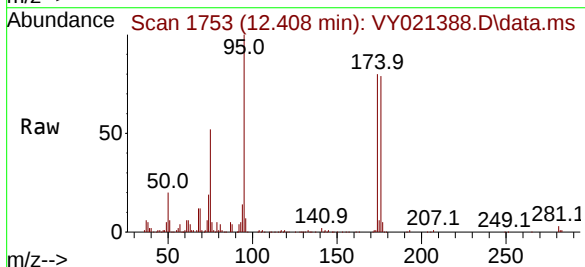
Instrument :
MSVOA_Y
ClientSampleId :
SP-SOIL-VOC

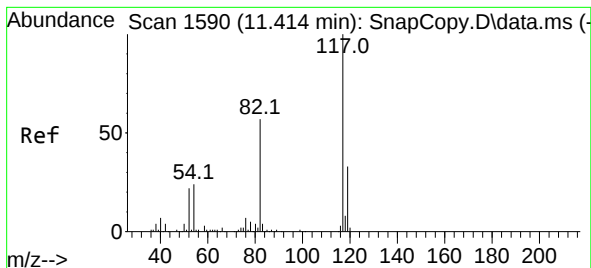
Tgt Ion: 98 Resp: 266632
Ion Ratio Lower Upper
98 100
100 64.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021388.D
Acq: 28 Feb 2025 18:15

Tgt Ion: 95 Resp: 81095
Ion Ratio Lower Upper
95 100
174 81.2 0.0 168.0
176 79.2 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021388.D

Acq: 28 Feb 2025 18:15

Instrument :

MSVOA_Y

ClientSampleId :

SP-SOIL-VOC

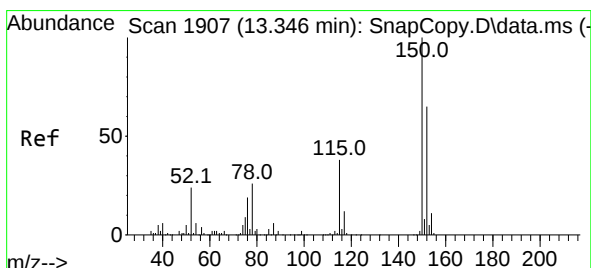
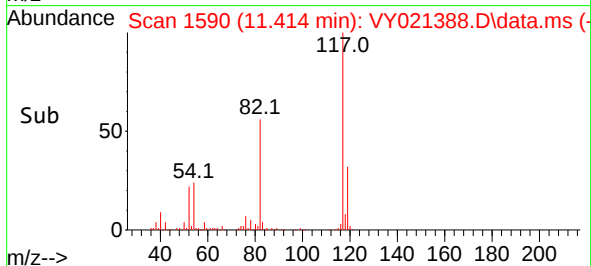
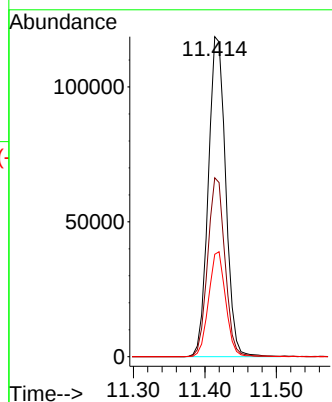
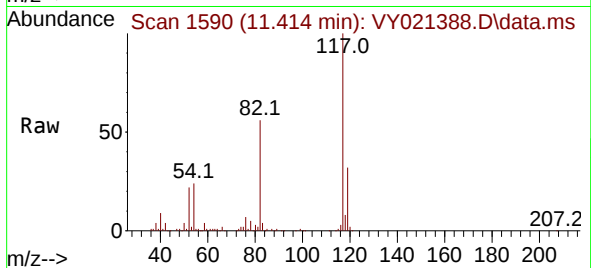
Tgt Ion:117 Resp: 199966

Ion Ratio Lower Upper

117 100

82 55.9 46.2 69.4

119 32.0 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021388.D

Acq: 28 Feb 2025 18:15

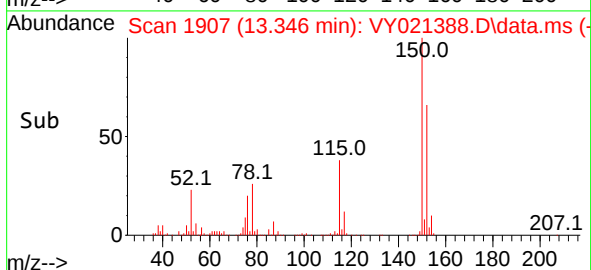
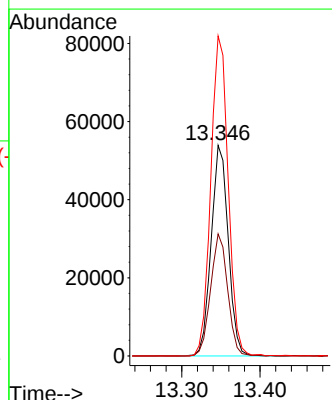
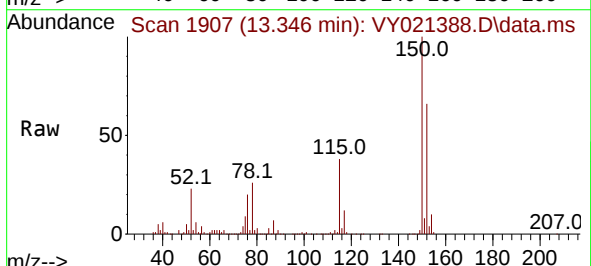
Tgt Ion:152 Resp: 81443

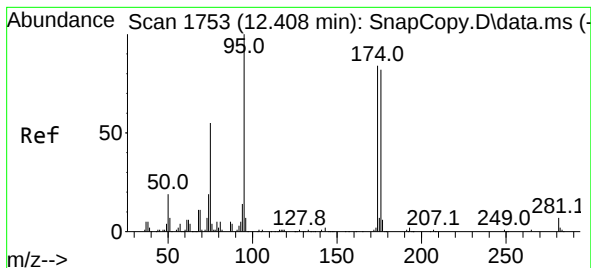
Ion Ratio Lower Upper

152 100

115 57.9 29.3 88.0

150 154.9 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 54.371 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021388.D

Acq: 28 Feb 2025 18:15

Instrument :

MSVOA_Y

ClientSampleId :

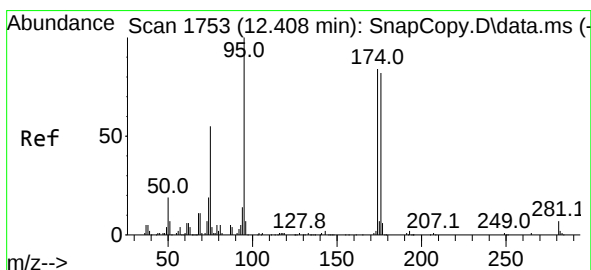
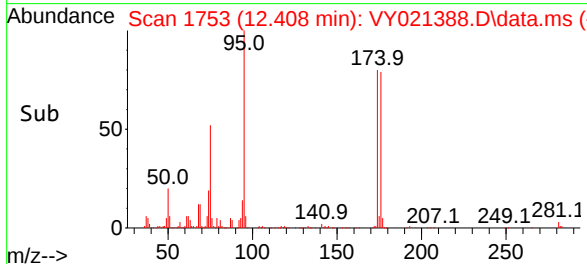
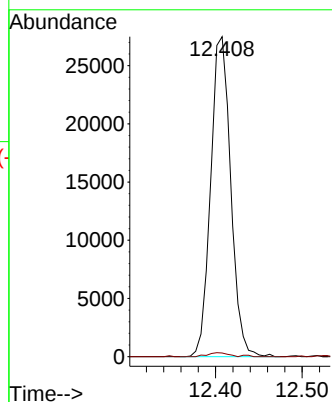
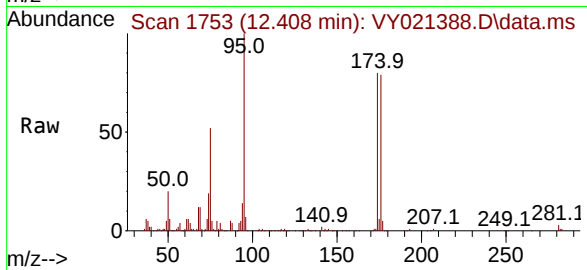
SP-SOIL-VOC

Tgt Ion: 75 Resp: 44323

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.847 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY021388.D

Acq: 28 Feb 2025 18:15

Tgt Ion: 75 Resp: 44323

Ion Ratio Lower Upper

75 100

53 0.3 79.1 118.7#

89 0.0 35.6 53.4#

