

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031325\
 Data File : VY021522.D
 Acq On : 13 Mar 2025 13:58
 Operator : SY/MD
 Sample : Q1542-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Mar 14 14:56:16 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	135626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	228055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	188696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	65866	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	79001	55.111	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.220%
35) Dibromofluoromethane	7.628	113	79482	53.022	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.040%
50) Toluene-d8	10.103	98	270863	47.722	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.440%
62) 4-Bromofluorobenzene	12.408	95	72508	37.556	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.120%

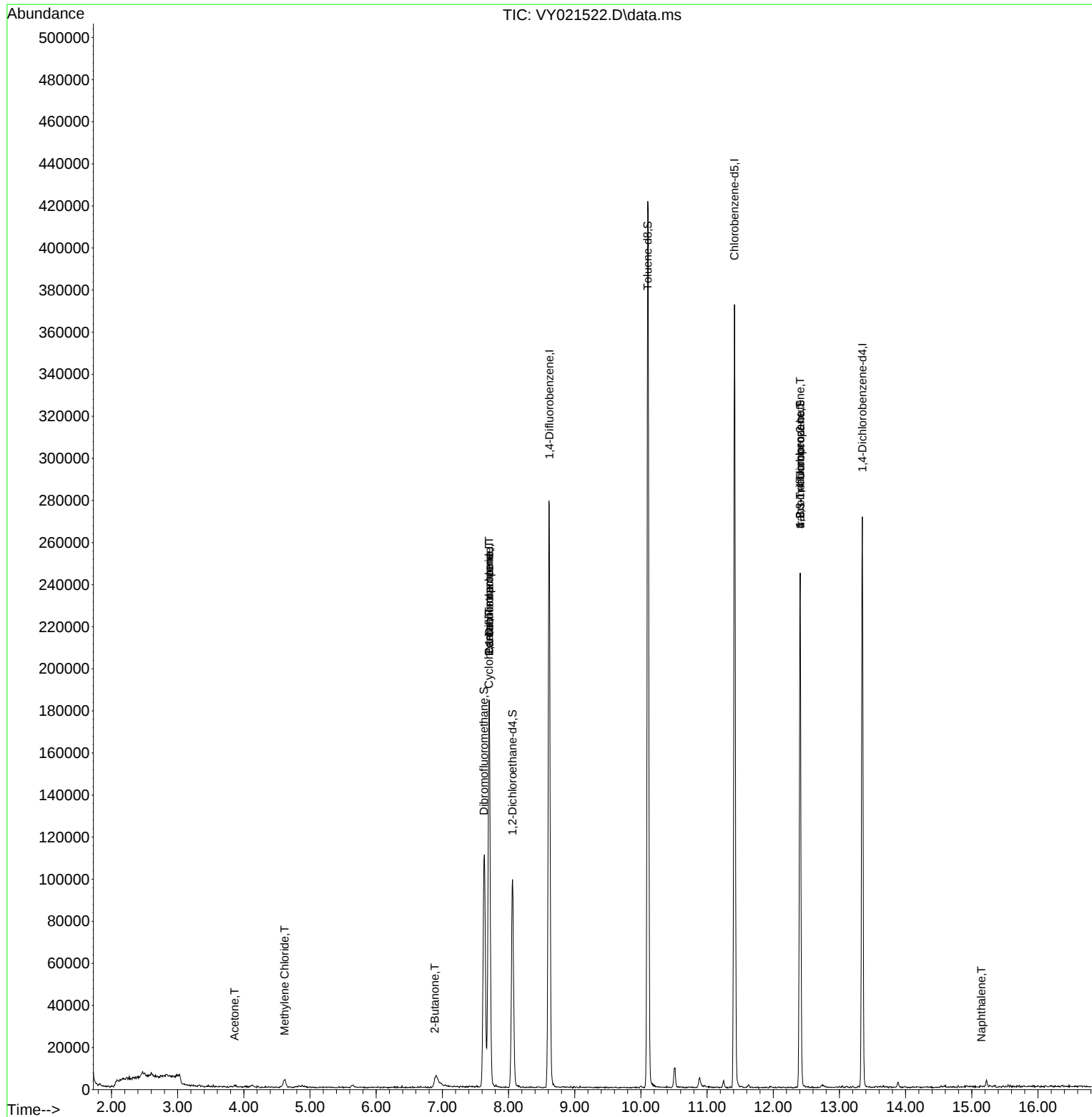
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.836	59	998	Below Cal	#	72
16) Acetone	3.860	43	540	1.727	ug/l #	43
20) Methylene Chloride	4.616	84	2665	1.624	ug/l #	69
25) 2-Butanone	6.884	43	519	1.200	ug/l #	48
31) Cyclohexane	7.701	56	3282	1.222	ug/l #	23
36) 1,1-Dichloropropene	7.707	75	11697	4.985	ug/l #	49
38) Carbon Tetrachloride	7.707	117	13554	5.023	ug/l #	19
76) 1,2,3-Trichloropropane	12.408	75	38156	57.488	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	38156	130.688	ug/l #	9
95) Naphthalene	15.145	128	476	1.715	ug/l #	74

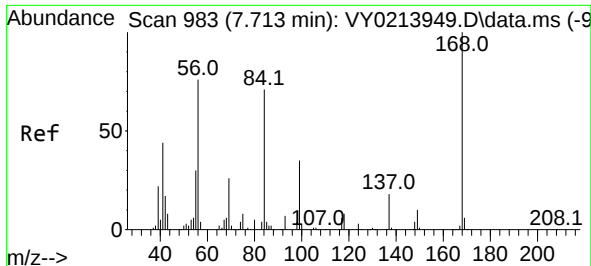
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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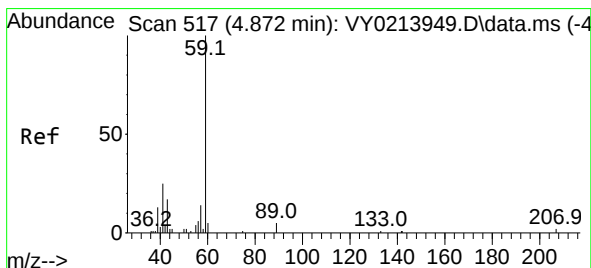
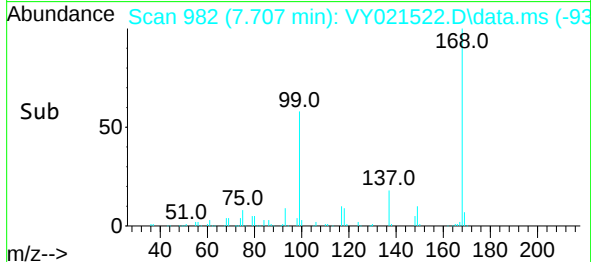
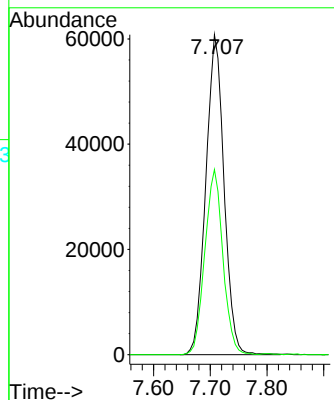
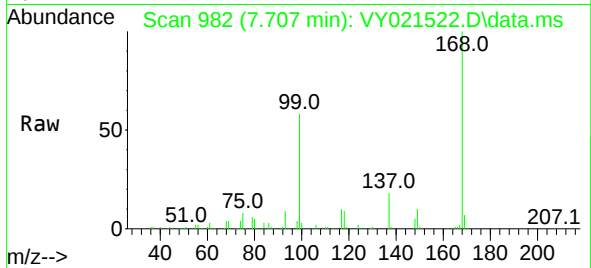




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

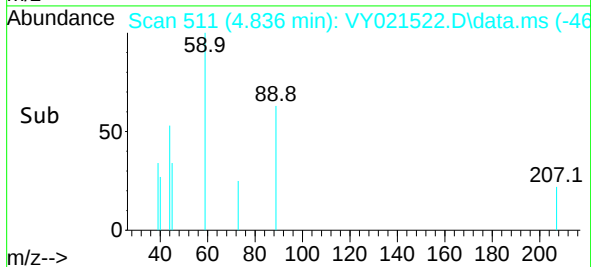
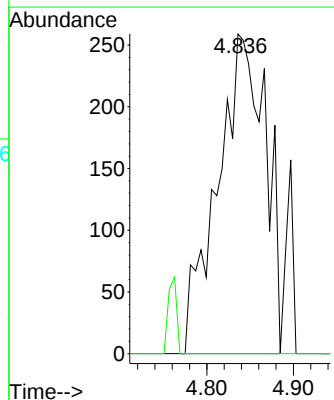
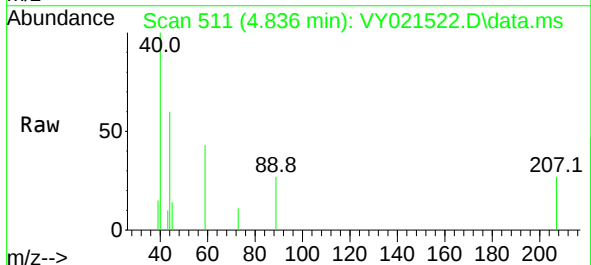
Instrument :
MSVOA_Y
ClientSampleId :
VOC

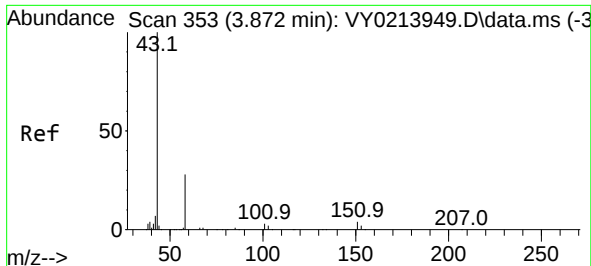
Tgt Ion:168 Resp: 135626
Ion Ratio Lower Upper
168 100
99 57.9 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.836 min Scan# 511
Delta R.T. -0.036 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

Tgt Ion: 59 Resp: 998
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

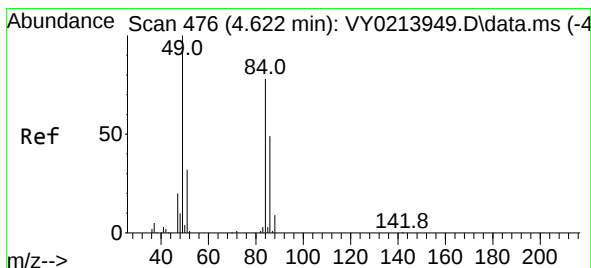
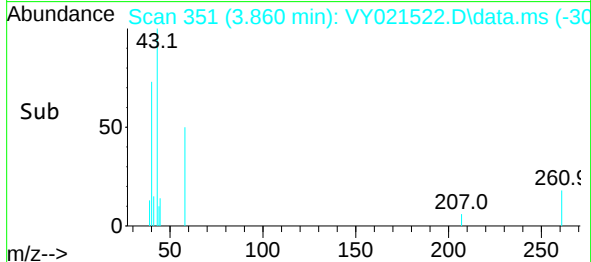
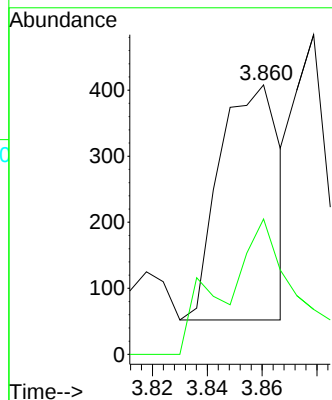
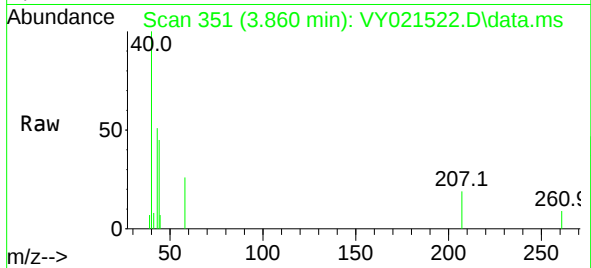




#16
Acetone
Concen: 1.727 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

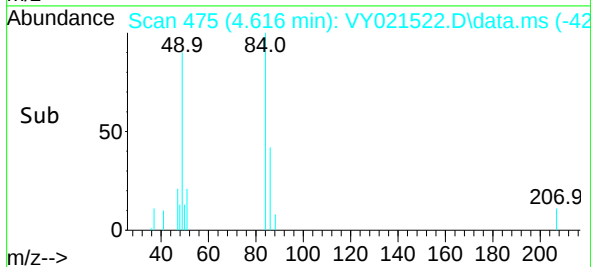
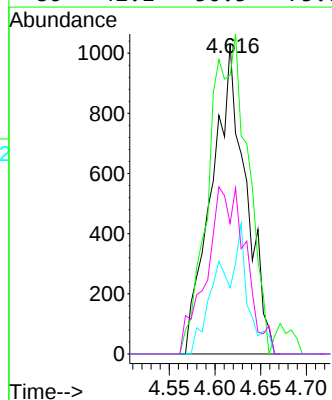
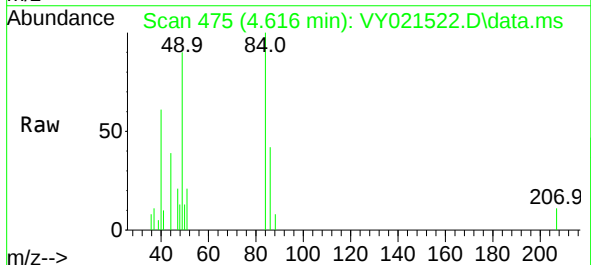
Instrument :
MSVOA_Y
ClientSampleId :
VOC

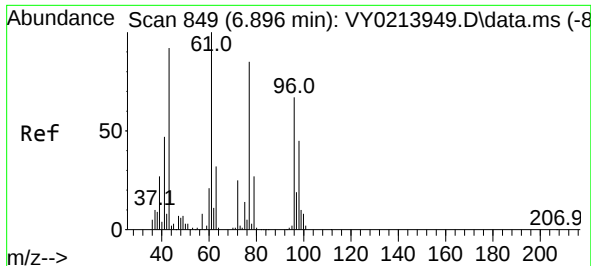
Tgt Ion: 43 Resp: 540
Ion Ratio Lower Upper
43 100
58 57.6 22.1 33.1#



#20
Methylene Chloride
Concen: 1.624 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

Tgt Ion: 84 Resp: 2665
Ion Ratio Lower Upper
84 100
49 89.9 102.0 153.0#
51 21.3 33.0 49.6#
86 42.1 50.5 75.7#





#25

2-Butanone

Concen: 1.200 ug/l

RT: 6.884 min Scan# 849

Delta R.T. -0.012 min

Lab File: VY021522.D

Acq: 13 Mar 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

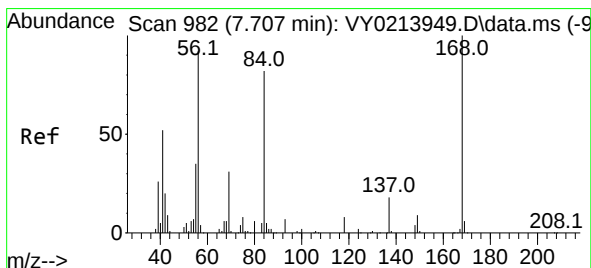
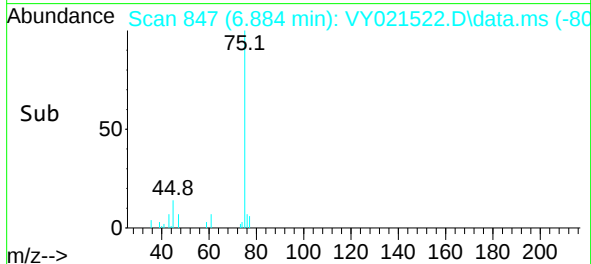
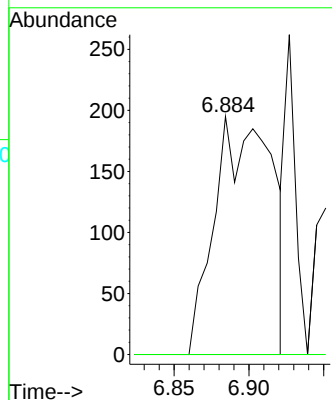
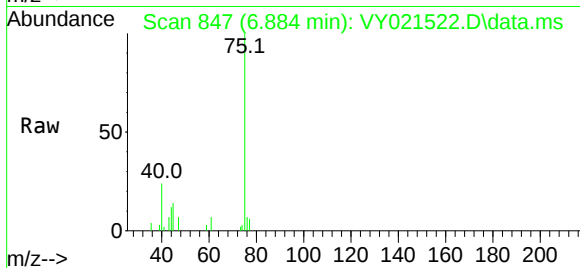
VOC

Tgt Ion: 43 Resp: 519

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY021522.D

Acq: 13 Mar 2025 13:58

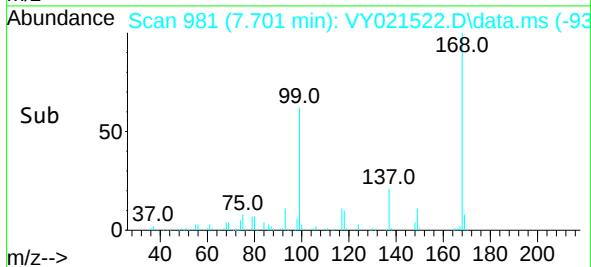
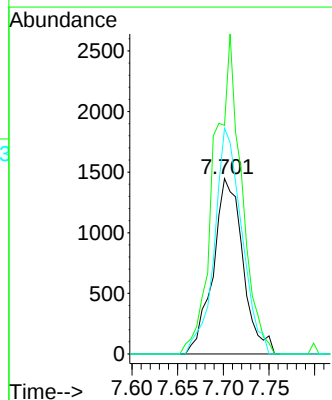
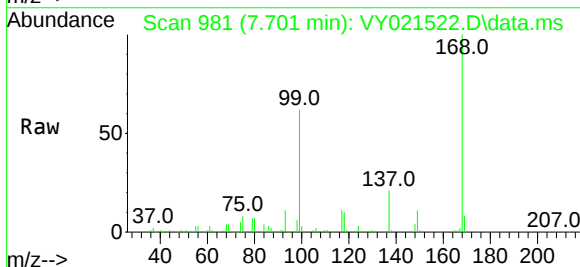
Tgt Ion: 56 Resp: 3282

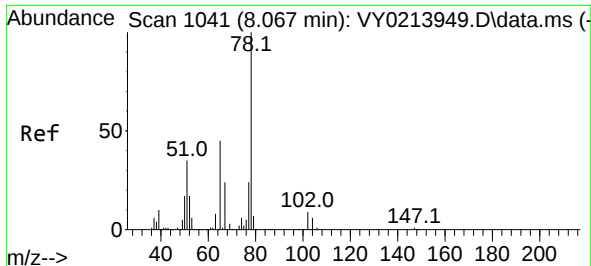
Ion Ratio Lower Upper

56 100

69 130.3 27.0 40.4#

84 128.7 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 55.111 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021522.D

Acq: 13 Mar 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

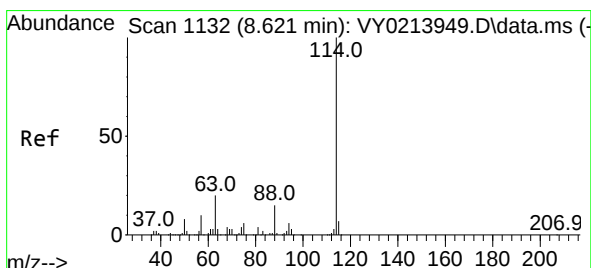
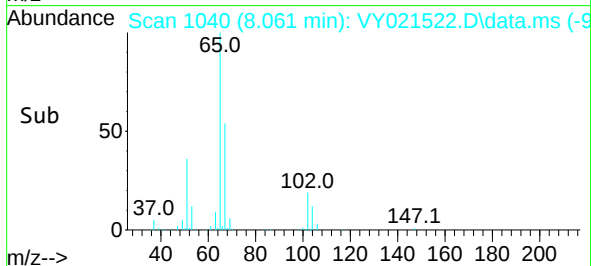
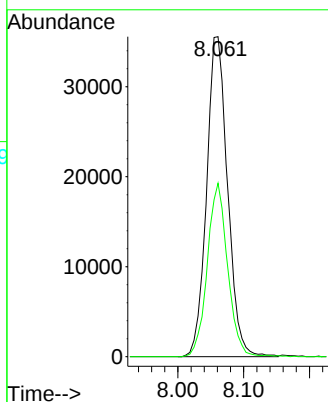
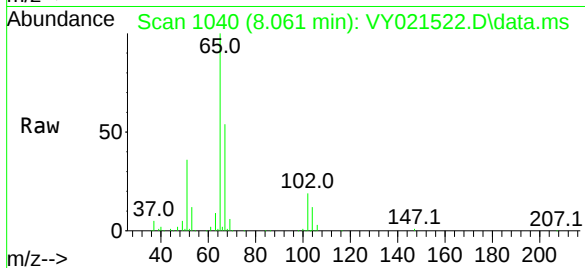
VOC

Tgt Ion: 65 Resp: 79001

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021522.D

Acq: 13 Mar 2025 13:58

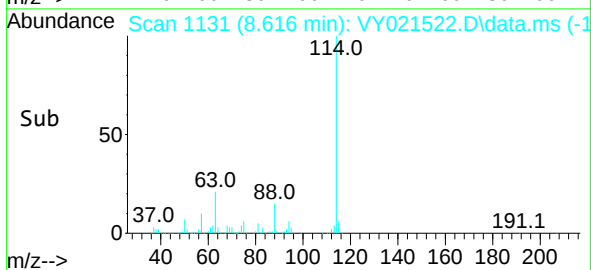
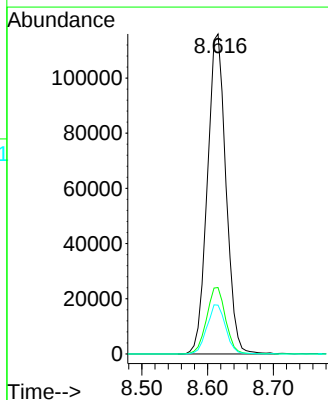
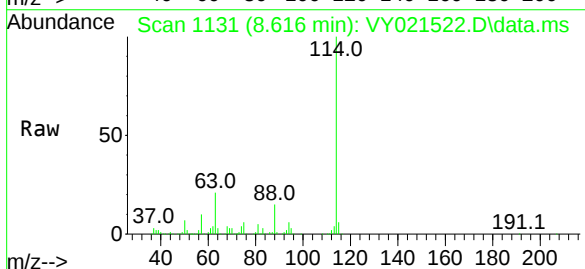
Tgt Ion: 114 Resp: 228055

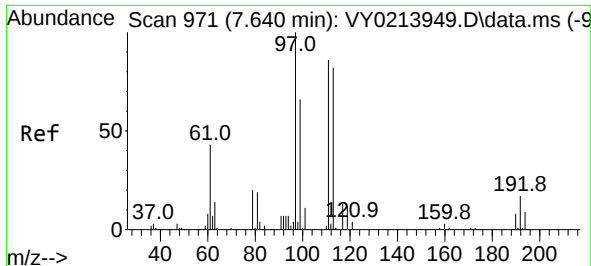
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.022 ug/l

RT: 7.628 min Scan# 9

Delta R.T. -0.012 min

Lab File: VY021522.D

Acq: 13 Mar 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

VOC

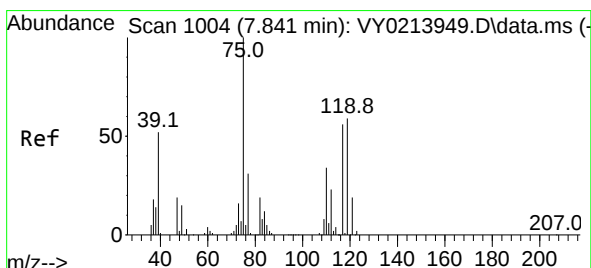
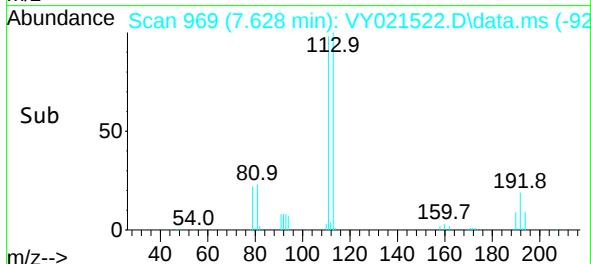
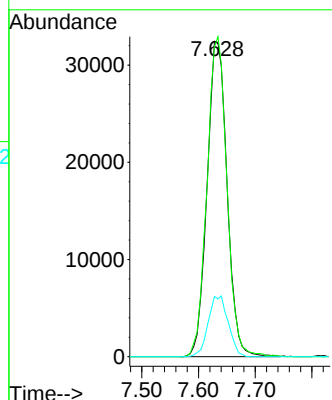
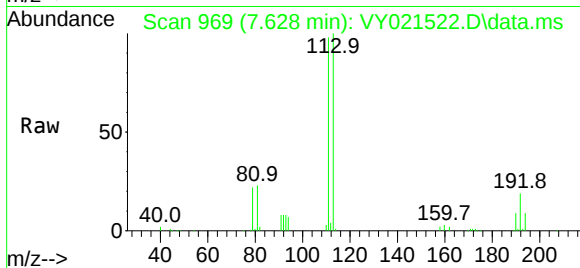
Tgt Ion:113 Resp: 79482

Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

192 19.2 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.985 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021522.D

Acq: 13 Mar 2025 13:58

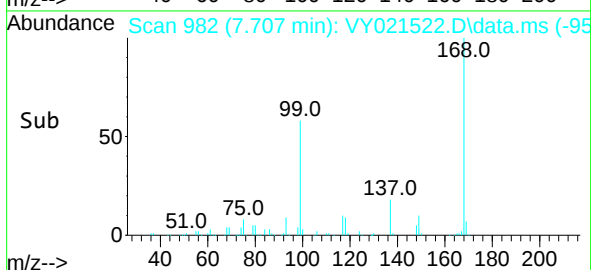
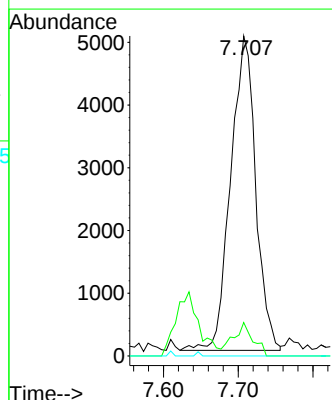
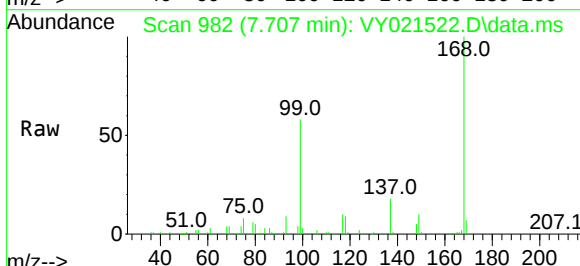
Tgt Ion: 75 Resp: 11697

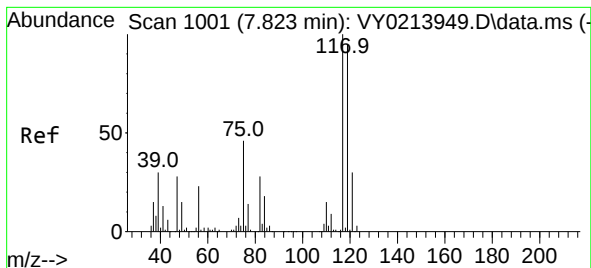
Ion Ratio Lower Upper

75 100

110 8.3 17.3 51.7#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.023 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.115 min

Lab File: VY021522.D

Acq: 13 Mar 2025 13:58

Instrument :

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ClientSampleId :

VOC

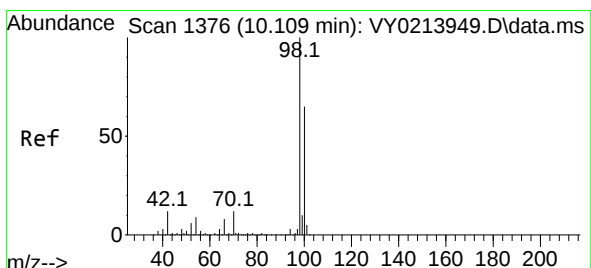
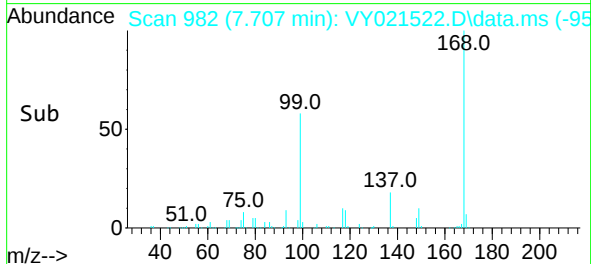
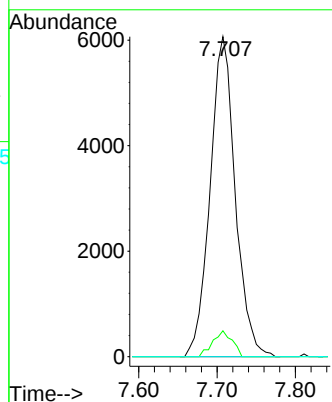
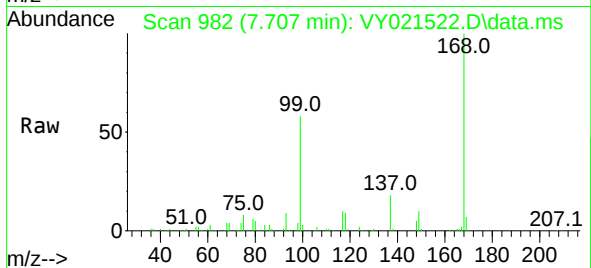
Tgt Ion:117 Resp: 13554

Ion Ratio Lower Upper

117 100

119 8.1 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 47.722 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021522.D

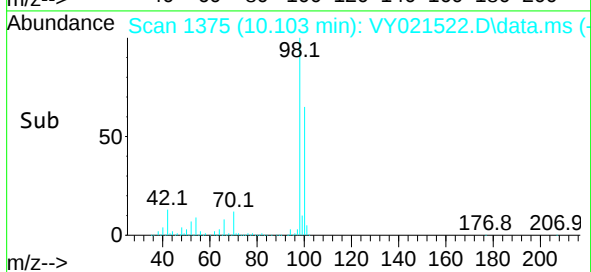
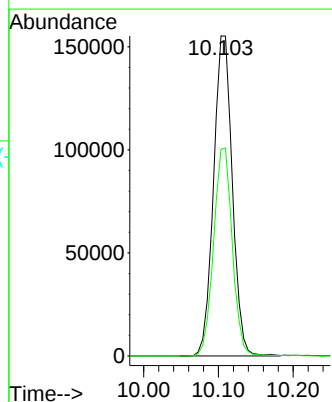
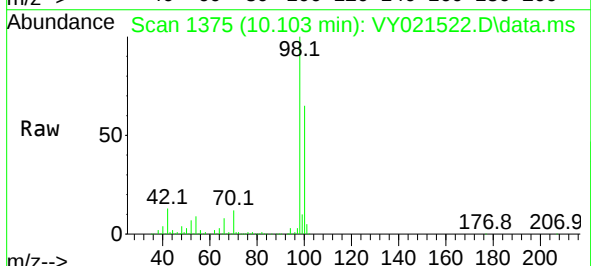
Acq: 13 Mar 2025 13:58

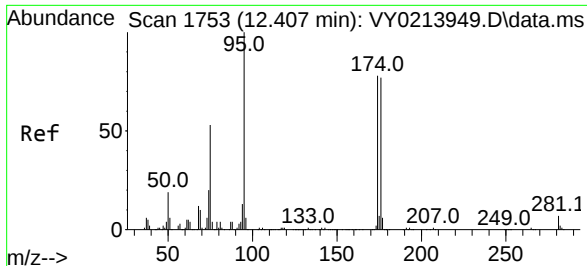
Tgt Ion: 98 Resp: 270863

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1

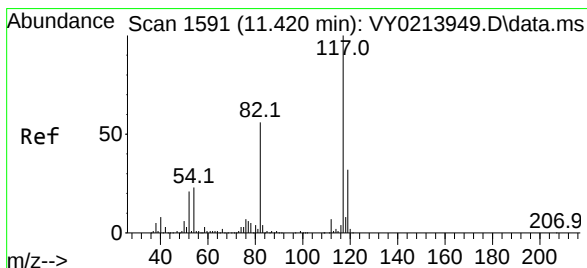
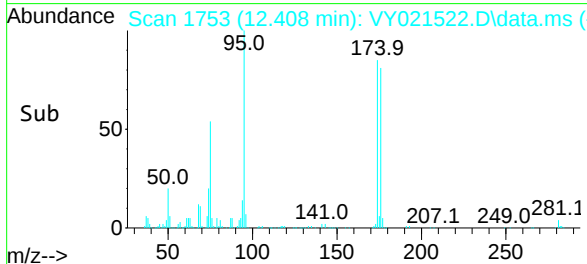
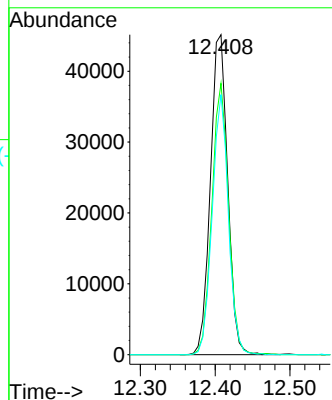
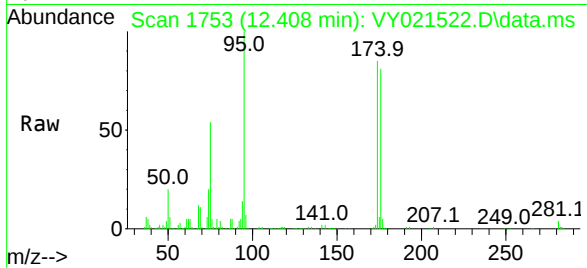




#62
4-Bromofluorobenzene
Concen: 37.556 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

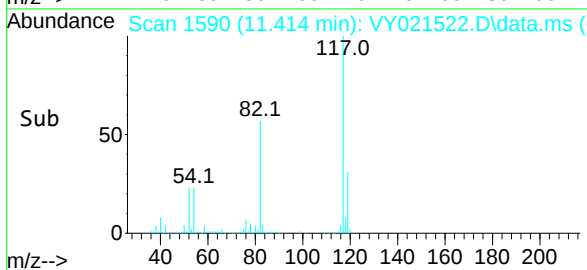
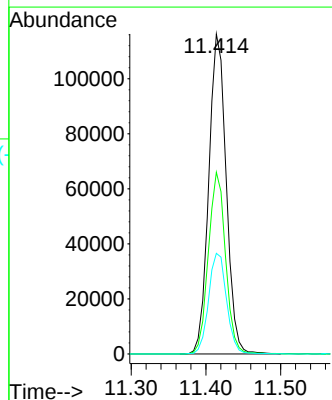
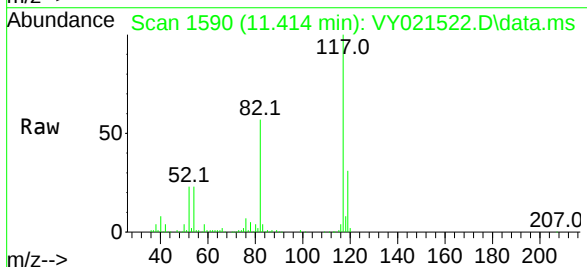
Instrument :
MSVOA_Y
ClientSampleId :
VOC

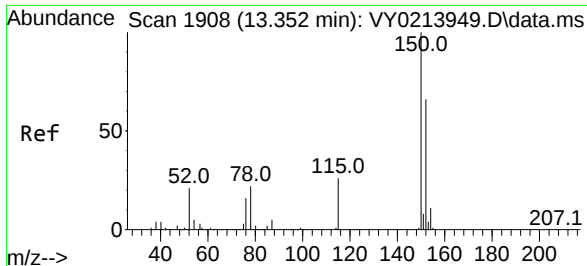
Tgt Ion:	95	Resp:	72508
Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	165.0
176	76.1	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

Tgt Ion:	117	Resp:	188696
Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.6	67.0
119	31.5	25.4	38.0

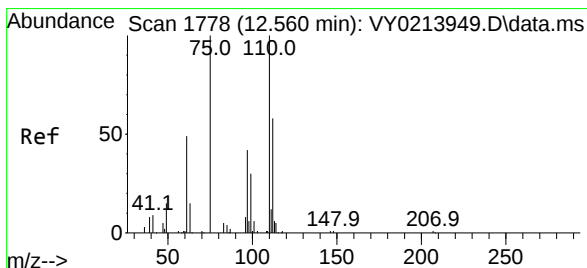
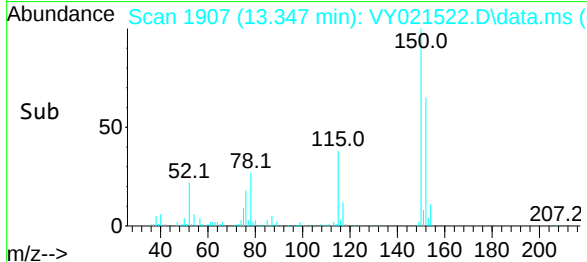
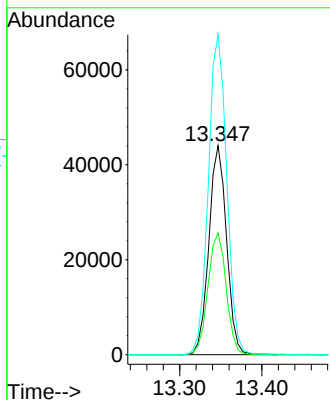
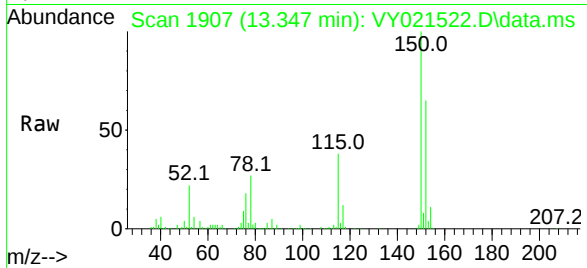




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021522.D
 Acq: 13 Mar 2025 13:58

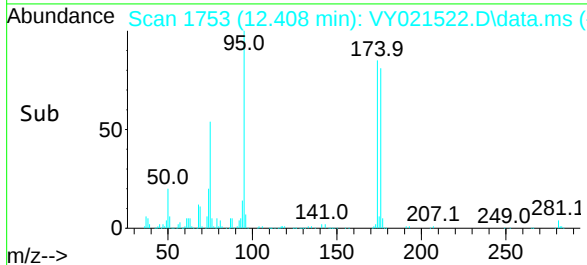
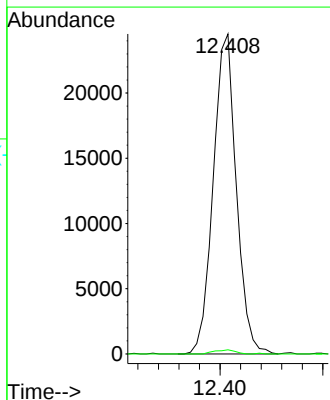
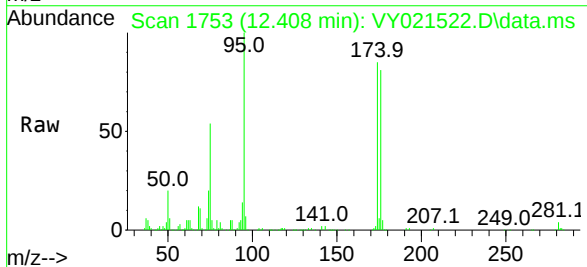
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

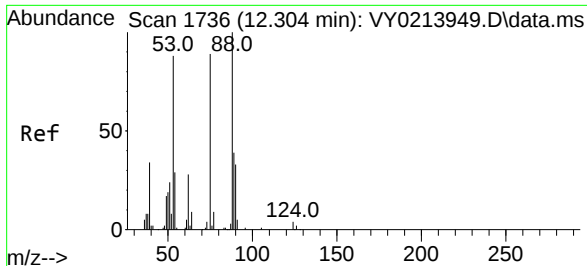
Tgt Ion:152 Resp: 65866
 Ion Ratio Lower Upper
 152 100
 115 60.0 29.0 87.0
 150 158.5 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 57.488 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021522.D
 Acq: 13 Mar 2025 13:58

Tgt Ion: 75 Resp: 38156
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

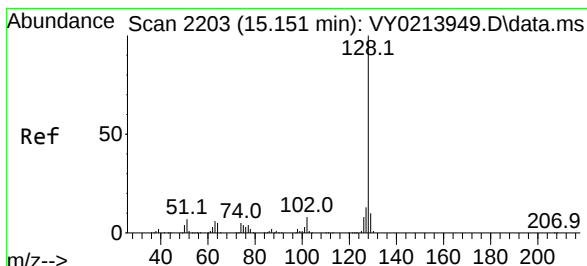
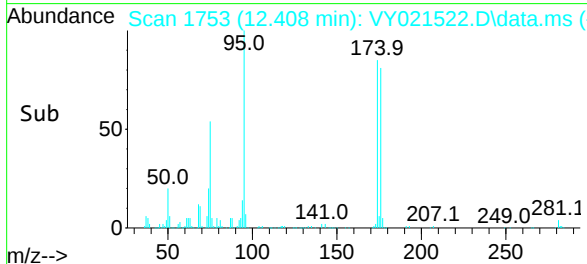
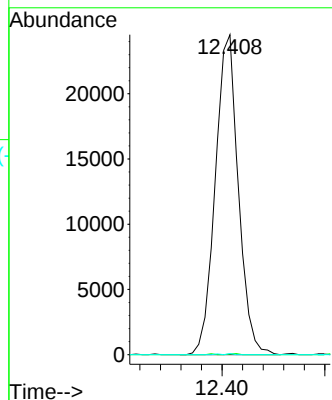
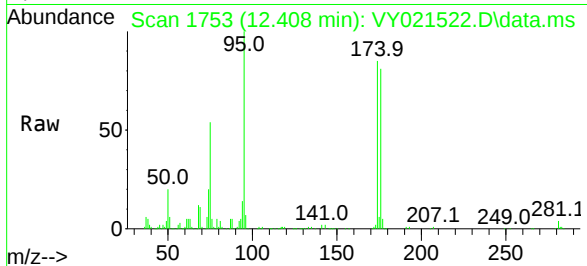




#81
trans-1,4-Dichloro-2-butene
Concen: 130.688 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 75 Resp: 38156
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.715 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021522.D
Acq: 13 Mar 2025 13:58

Tgt Ion: 128 Resp: 476
Ion Ratio Lower Upper
128 100
127 4.0 10.6 15.8#
129 0.0 8.6 13.0#

