

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021439.D
 Acq On : 06 Mar 2025 16:59
 Operator : SY/MD
 Sample : Q1488-09
 Misc : 5.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-104-SB01

Quant Time: Mar 07 00:41:28 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)

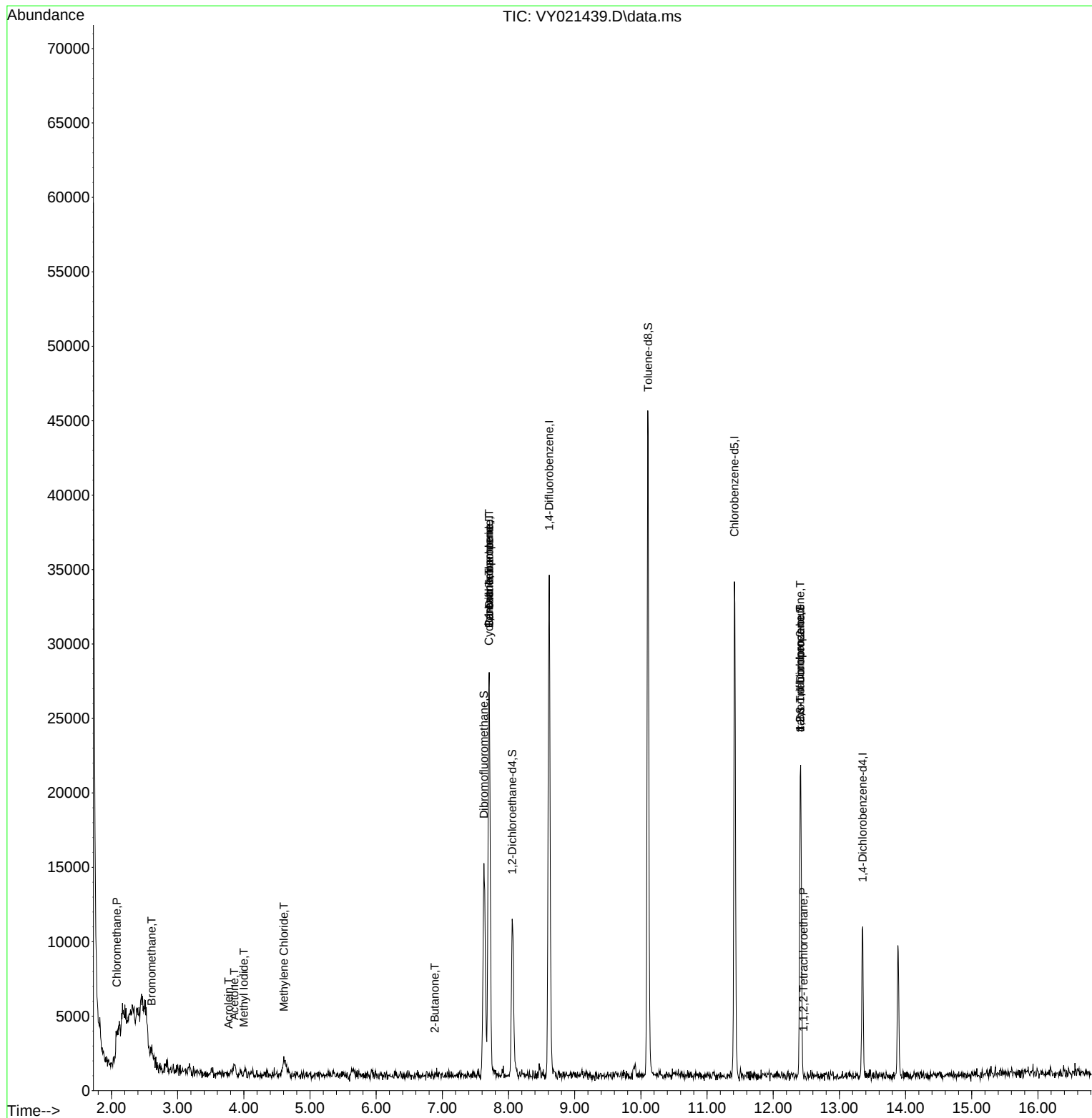
Internal Standards						
1) Pentafluorobenzene	7.707	168	19928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	27625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	16817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	2501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	9389	44.576	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.160%
35) Dibromofluoromethane	7.628	113	10115	55.705	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.400%
50) Toluene-d8	10.109	98	28853	41.966	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.940%
62) 4-Bromofluorobenzene	12.408	95	4622	19.763	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.520%
Target Compounds						Qvalue
3) Chloromethane	2.080	50	298	1.156	ug/l	96
5) Bromomethane	2.605	94	260	1.277	ug/l	84
10) Methyl Iodide	4.001	142	404	1.770	ug/l #	67
13) Acrolein	3.769	56	50	4.667	ug/l #	10
16) Acetone	3.854	43	1244	27.079	ug/l #	85
20) Methylene Chloride	4.604	84	692	2.870	ug/l #	80
25) 2-Butanone	6.884	43	76	1.196	ug/l #	48
31) Cyclohexane	7.701	56	584	1.480	ug/l #	31
36) 1,1-Dichloropropene	7.707	75	1907	6.709	ug/l #	41
38) Carbon Tetrachloride	7.707	117	2121	6.488	ug/l #	23
75) 1,1,2,2-Tetrachloroethane	12.456	83	45	1.294	ug/l #	26
76) 1,2,3-Trichloropropane	12.408	75	2409	95.587	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	2409	217.299	ug/l #	9

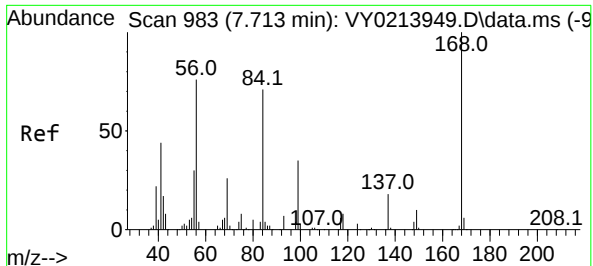
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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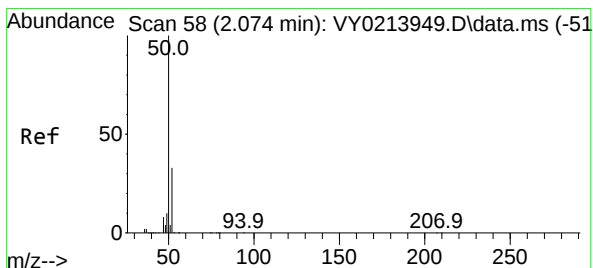
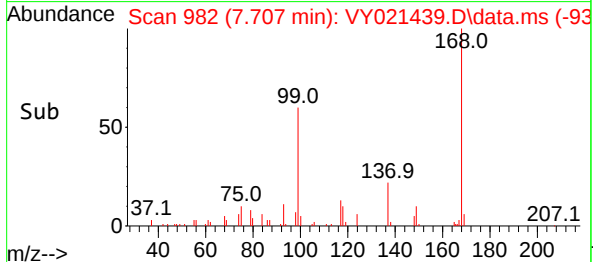
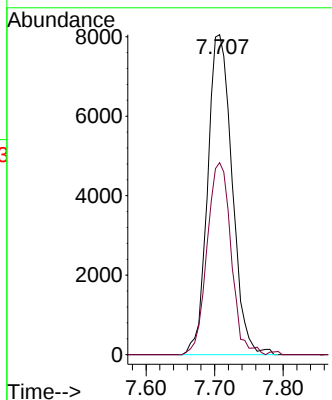
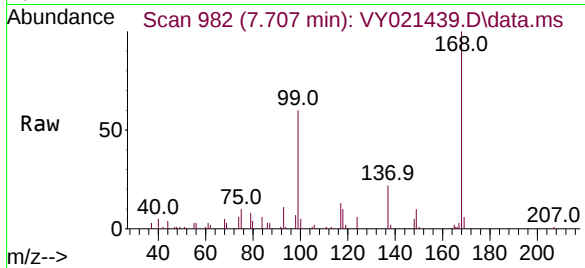




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

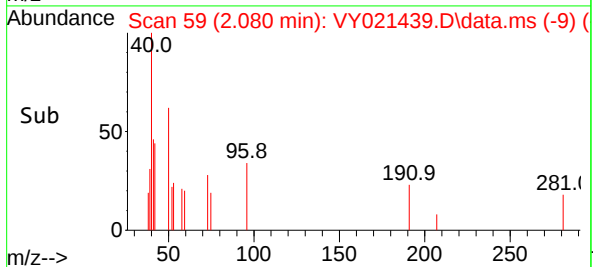
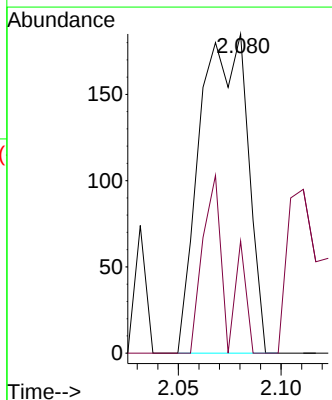
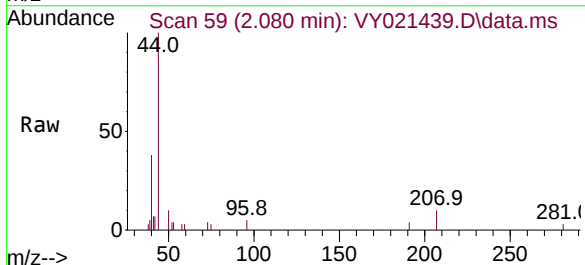
Instrument :
MSVOA_Y
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ENV-104-SB01

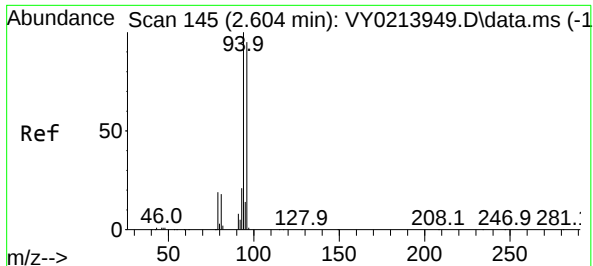
Tgt Ion:168 Resp: 19928
Ion Ratio Lower Upper
168 100
99 60.0 46.0 69.0



#3
Chloromethane
Concen: 1.156 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.006 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 50 Resp: 298
Ion Ratio Lower Upper
50 100
52 35.1 26.2 39.2

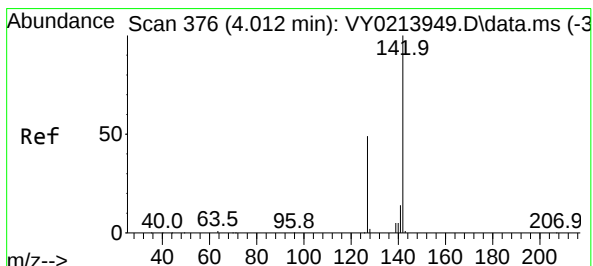
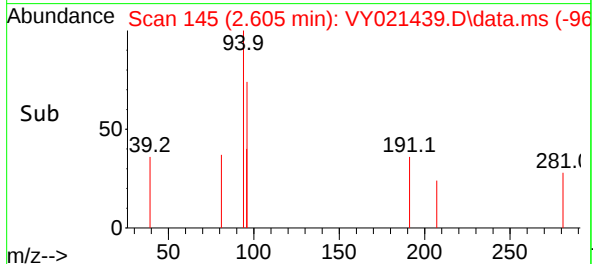
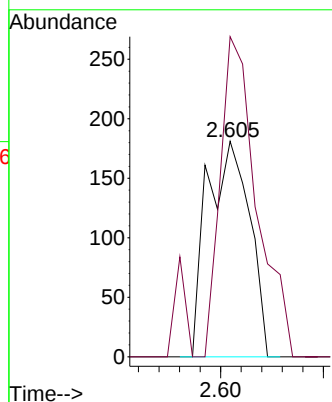
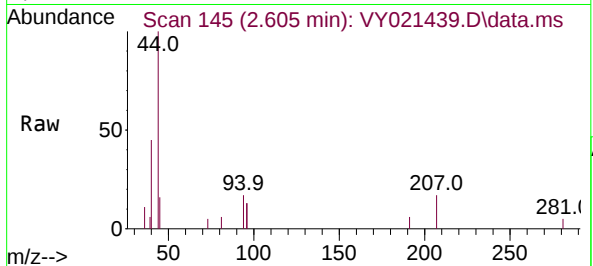




#5
Bromomethane
Concen: 1.277 ug/l
RT: 2.605 min Scan# 145
Delta R.T. 0.000 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

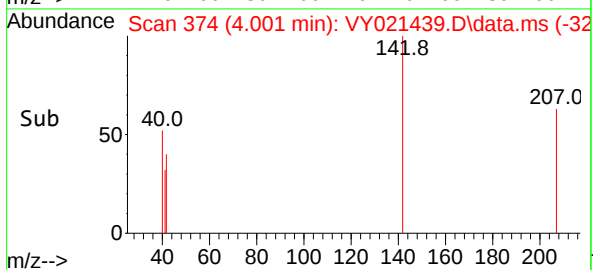
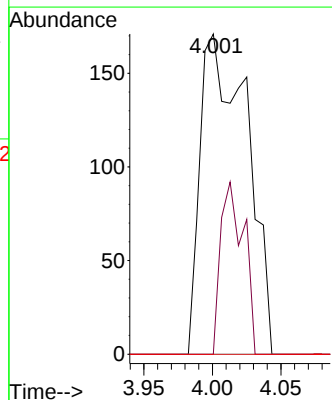
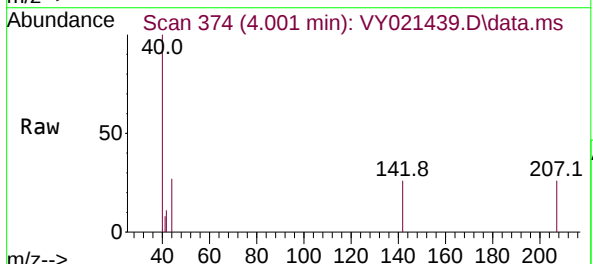
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

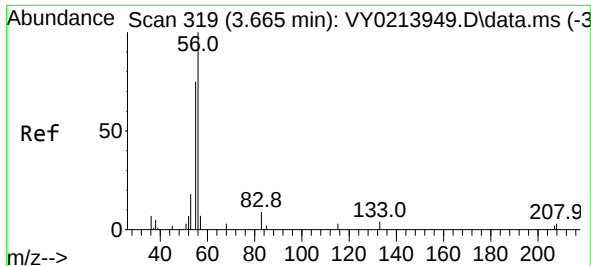
Tgt Ion: 94 Resp: 260
Ion Ratio Lower Upper
94 100
96 110.5 76.3 114.5



#10
Methyl Iodide
Concen: 1.770 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.012 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 142 Resp: 404
Ion Ratio Lower Upper
142 100
127 26.7 39.1 58.7#
141 0.0 11.8 17.6#

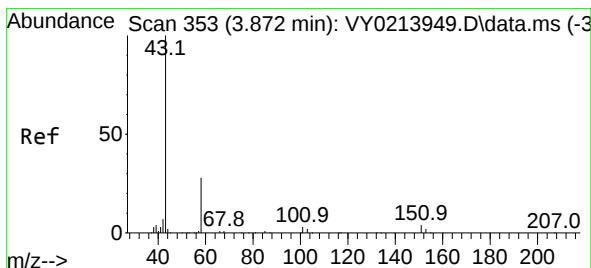
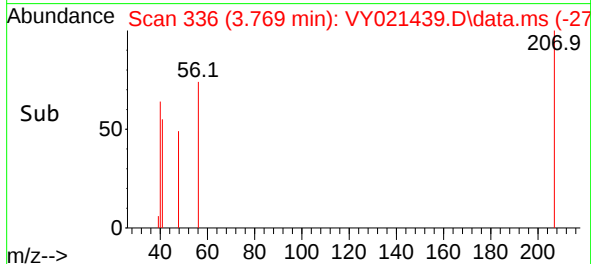
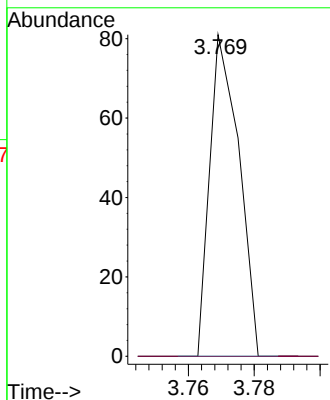
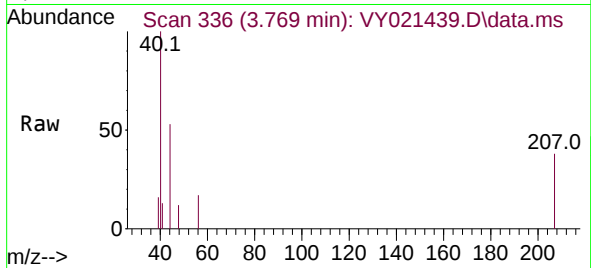




#13
Acrolein
Concen: 4.667 ug/l
RT: 3.769 min Scan# 319
Delta R.T. 0.104 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

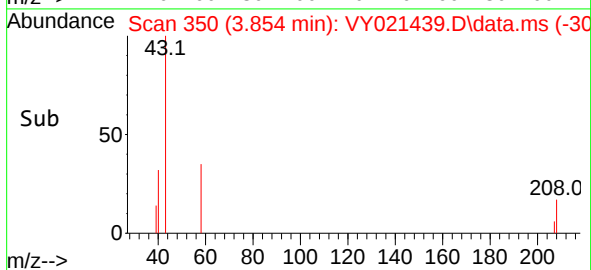
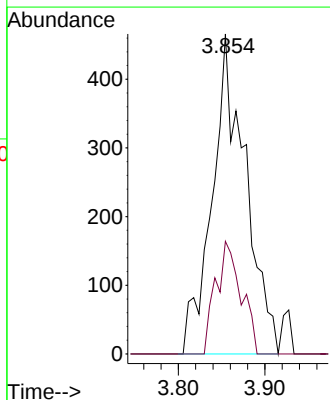
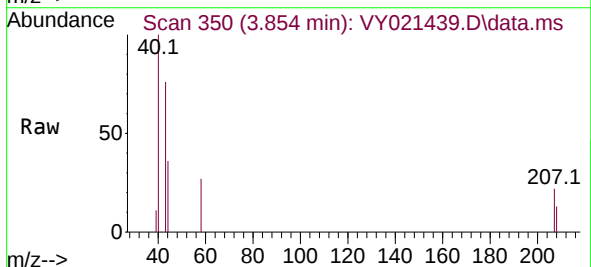
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

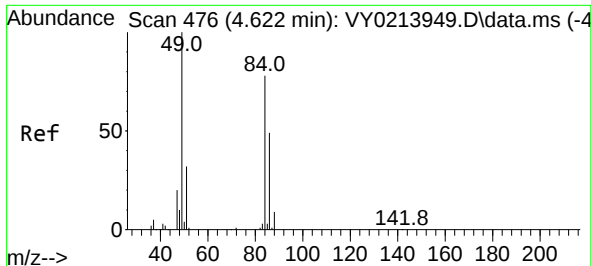
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 0.0 63.4 95.2#



#16
Acetone
Concen: 27.079 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.018 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 43 Resp: 1244
Ion Ratio Lower Upper
43 100
58 35.2 22.1 33.1#

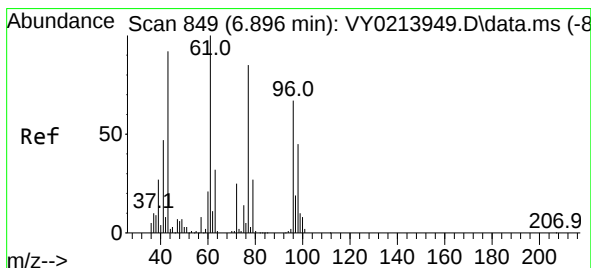
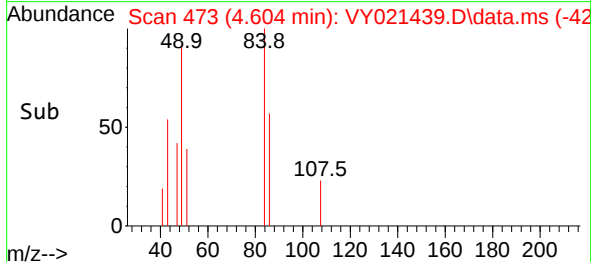
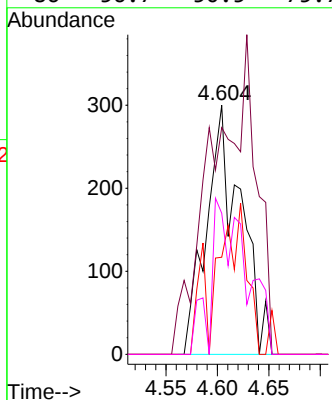
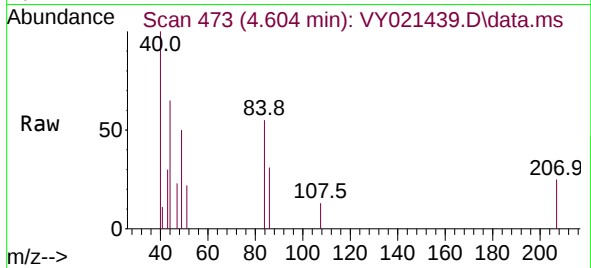




#20
Methylene Chloride
Concen: 2.870 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

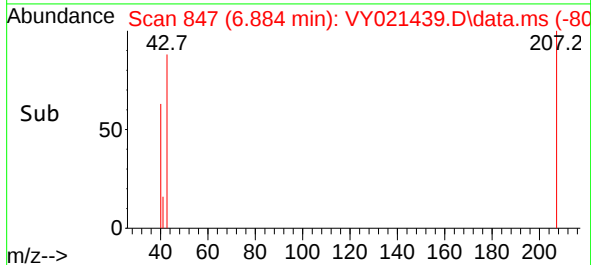
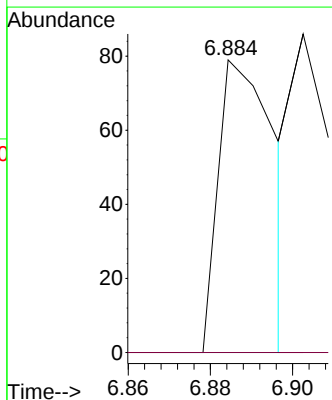
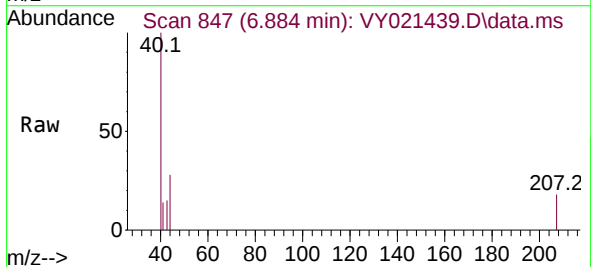
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

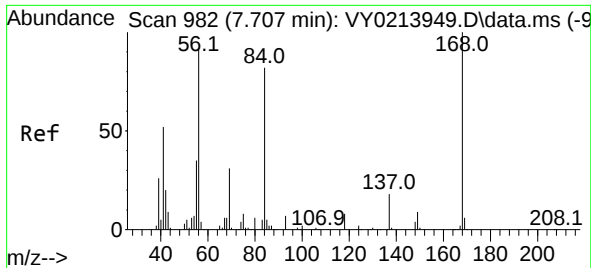
Tgt Ion: 84 Resp: 692
Ion Ratio Lower Upper
84 100
49 91.0 102.0 153.0#
51 39.0 33.0 49.6
86 56.7 50.5 75.7



#25
2-Butanone
Concen: 1.196 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#





#31

Cyclohexane

Concen: 1.480 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021439.D

Acq: 06 Mar 2025 16:59

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB01

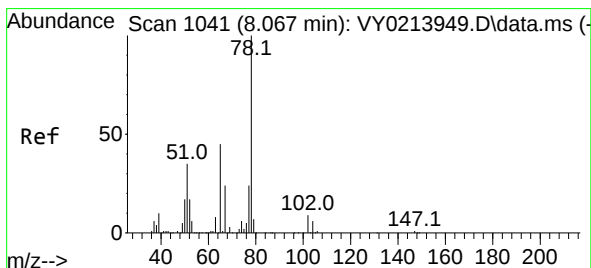
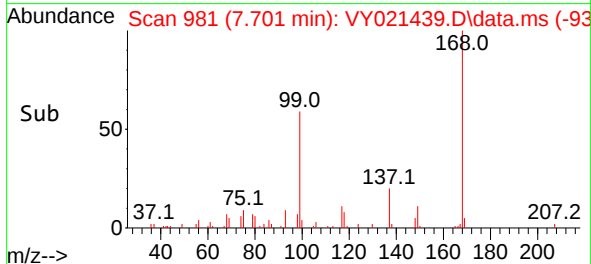
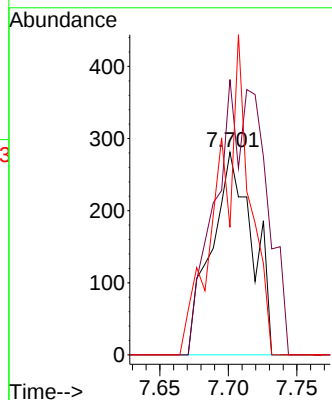
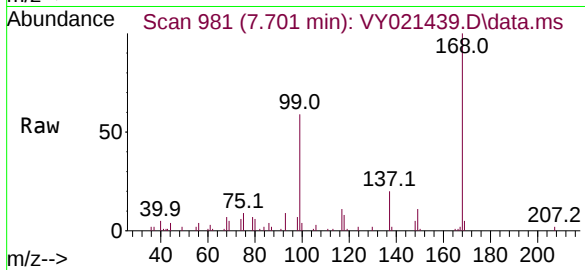
Tgt Ion: 56 Resp: 584

Ion Ratio Lower Upper

56 100

69 135.9 27.0 40.4#

84 63.0 71.1 106.7#



#33

1,2-Dichloroethane-d4

Concen: 44.576 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY021439.D

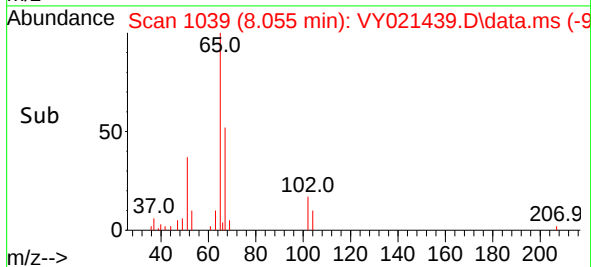
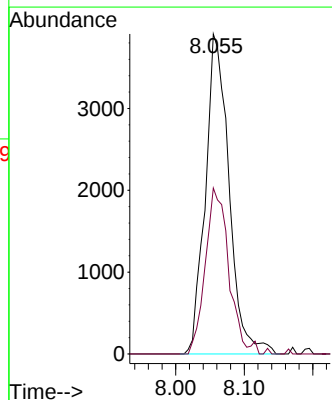
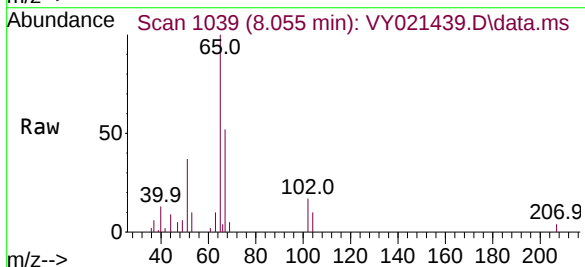
Acq: 06 Mar 2025 16:59

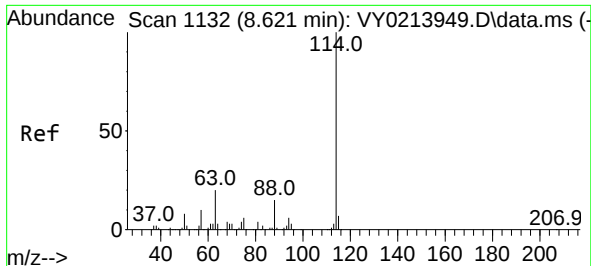
Tgt Ion: 65 Resp: 9389

Ion Ratio Lower Upper

65 100

67 51.5 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: VY021439.D

Acq: 06 Mar 2025 16:59

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB01

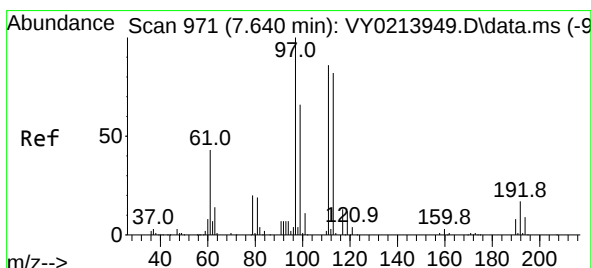
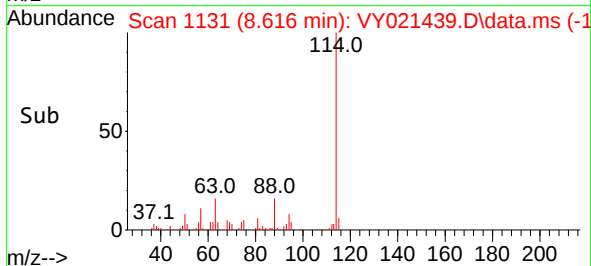
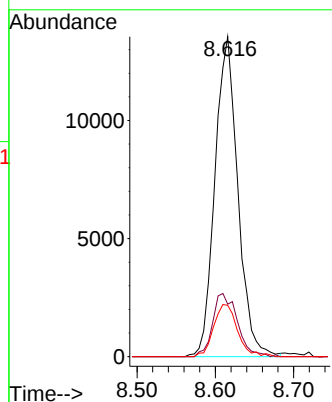
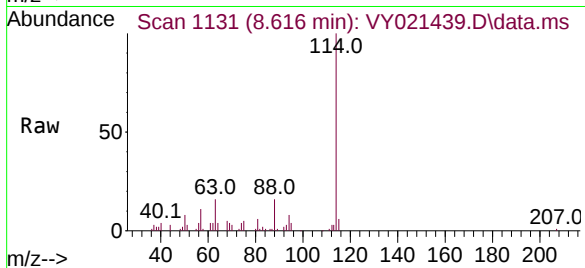
Tgt Ion:114 Resp: 27625

Ion Ratio Lower Upper

114 100

63 16.4 0.0 40.8

88 16.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 55.705 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY021439.D

Acq: 06 Mar 2025 16:59

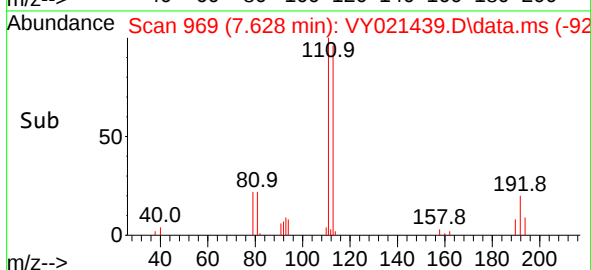
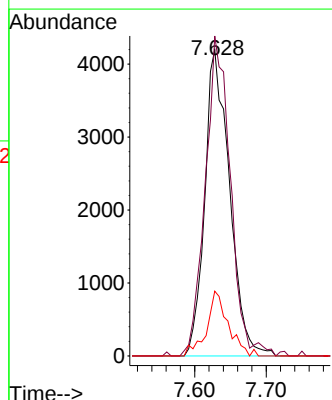
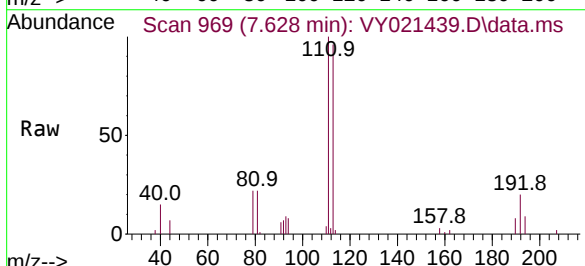
Tgt Ion:113 Resp: 10115

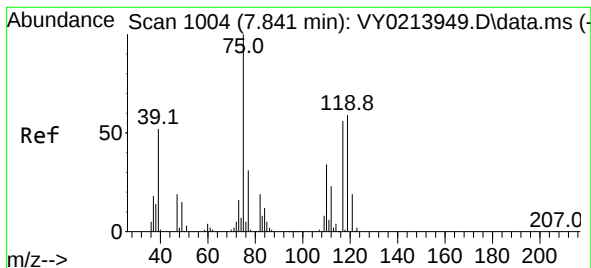
Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

192 18.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 6.709 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021439.D

Acq: 06 Mar 2025 16:59

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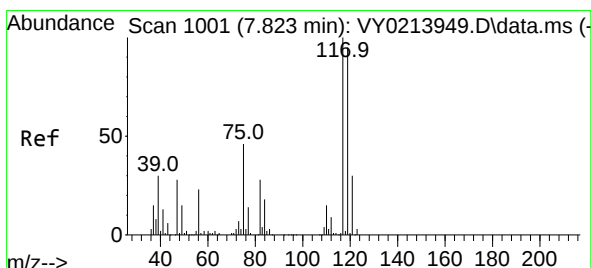
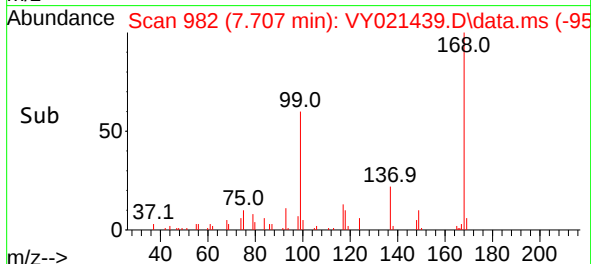
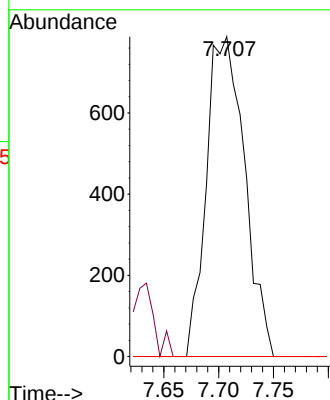
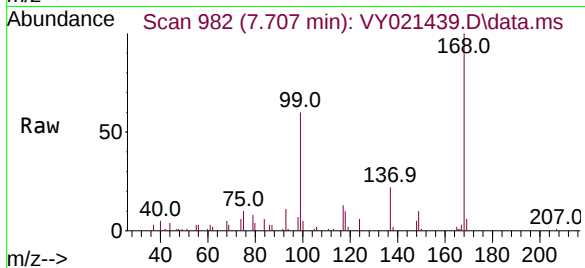
Tgt Ion: 75 Resp: 1907

Ion Ratio Lower Upper

75 100

110 0.0 17.3 51.7#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.488 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.115 min

Lab File: VY021439.D

Acq: 06 Mar 2025 16:59

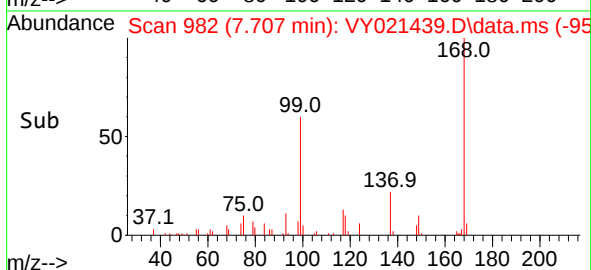
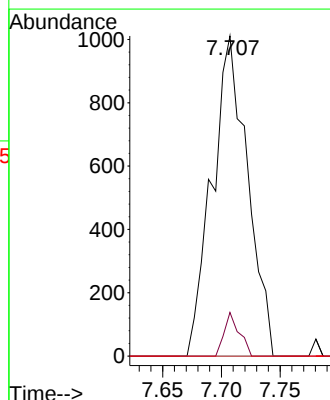
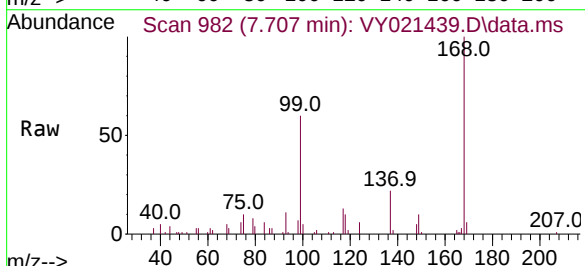
Tgt Ion: 117 Resp: 2121

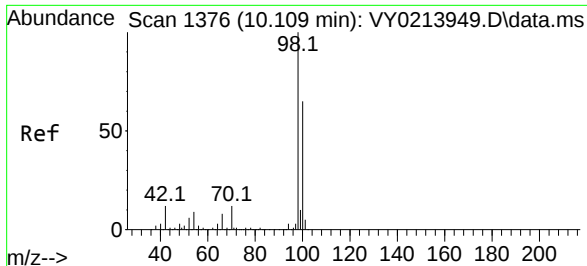
Ion Ratio Lower Upper

117 100

119 13.6 75.8 113.8#

121 0.0 23.9 35.9#

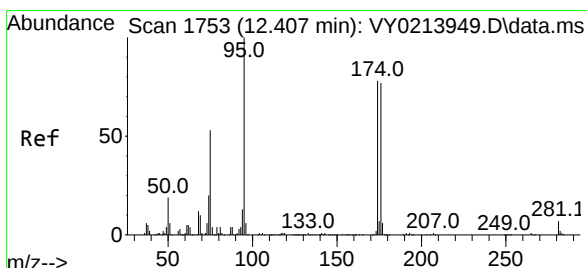
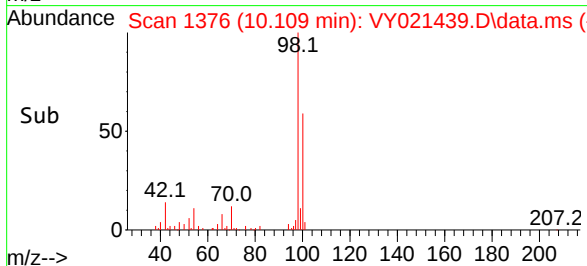
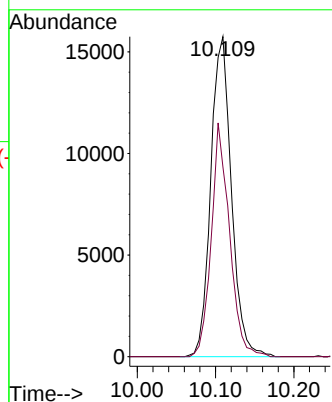
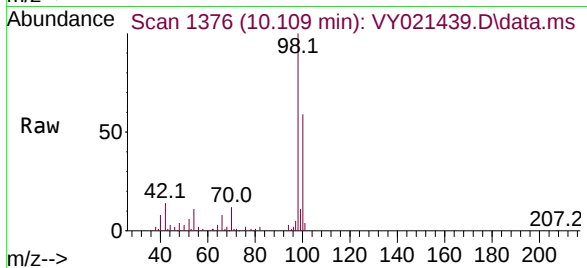




#50
Toluene-d8
Concen: 41.966 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

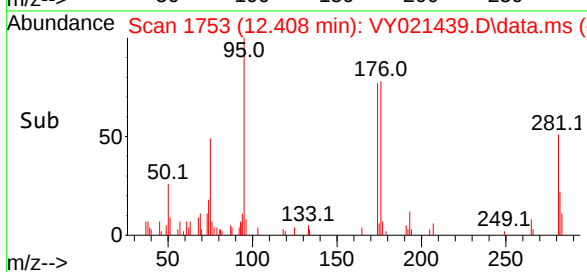
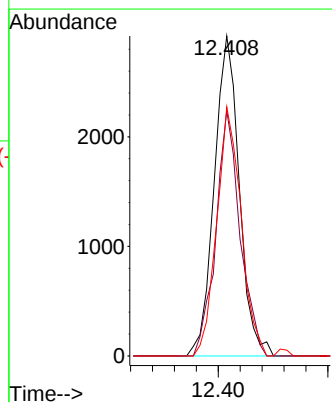
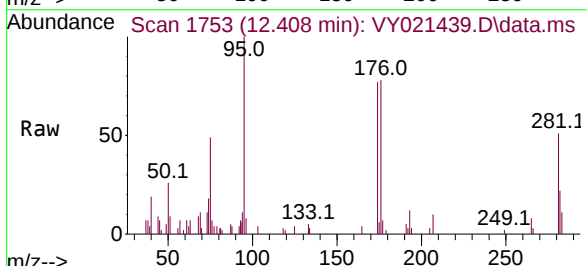
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

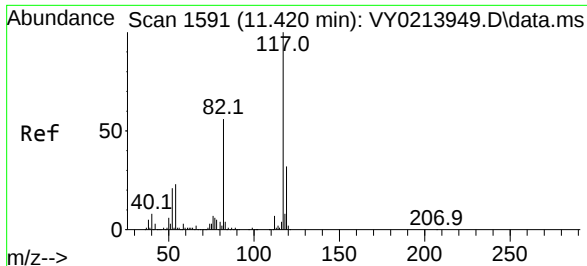
Tgt Ion: 98 Resp: 28853
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 19.763 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 95 Resp: 4622
Ion Ratio Lower Upper
95 100
174 74.4 0.0 165.0
176 75.9 0.0 160.0

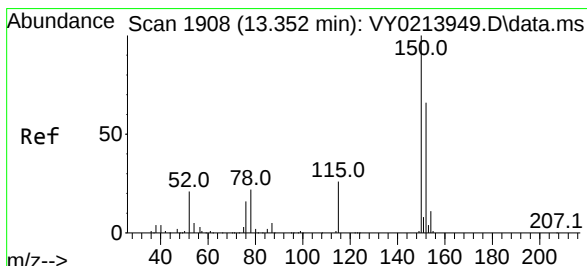
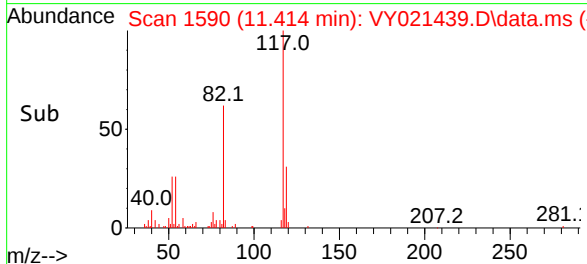
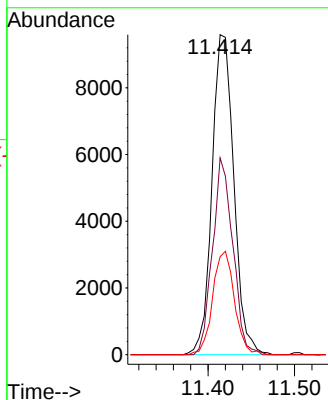
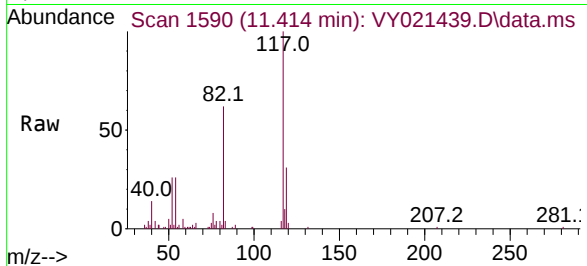




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

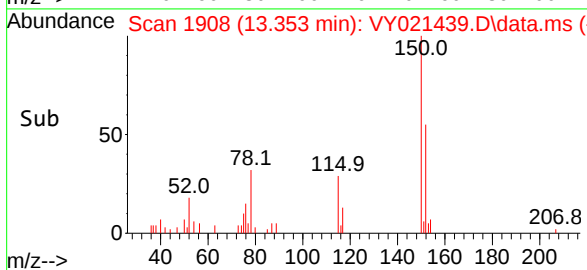
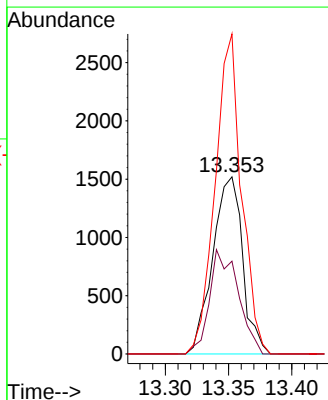
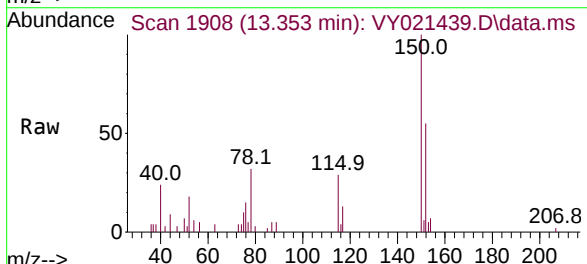
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

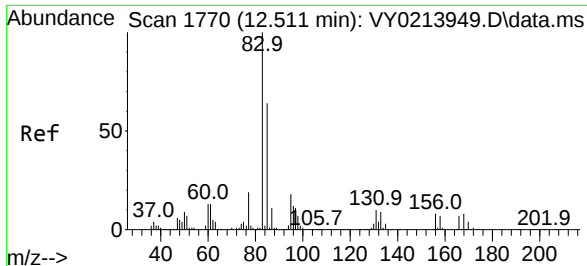
Tgt Ion:117 Resp: 16817
Ion Ratio Lower Upper
117 100
82 61.5 44.6 67.0
119 30.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

Tgt Ion:152 Resp: 2501
Ion Ratio Lower Upper
152 100
115 56.7 29.0 87.0
150 159.3 0.0 347.2

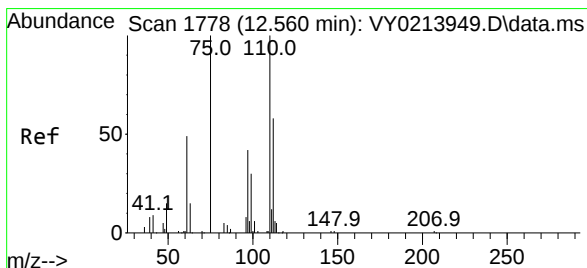
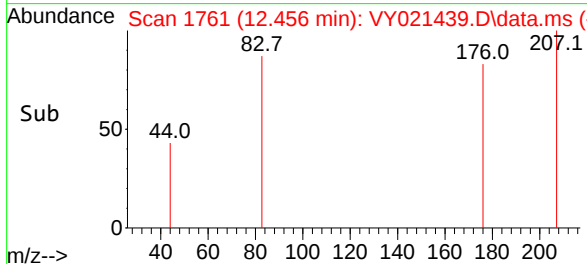
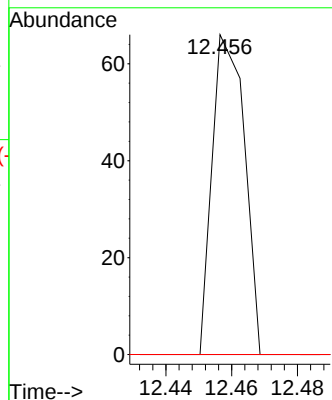
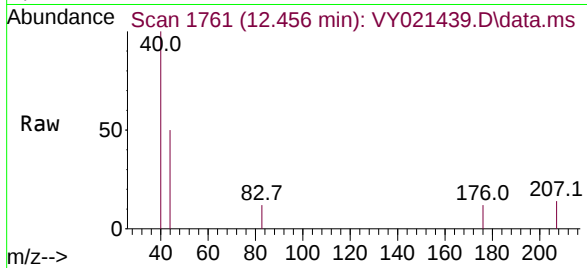




#75
1,1,2,2-Tetrachloroethane
Concen: 1.294 ug/l
RT: 12.456 min Scan# 1753
Delta R.T. -0.054 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

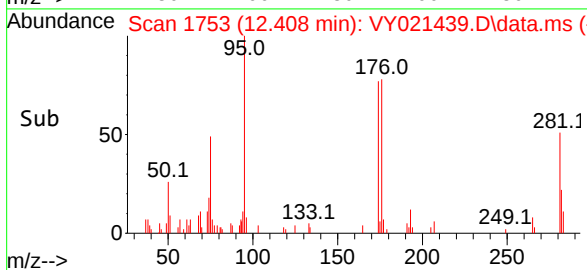
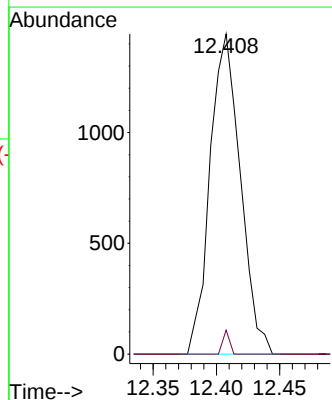
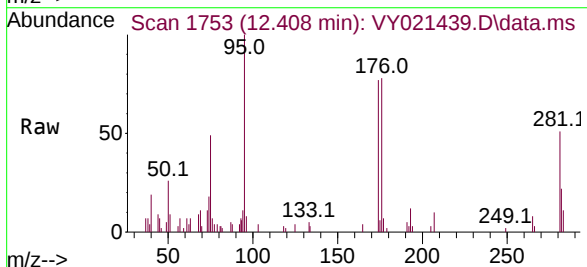
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

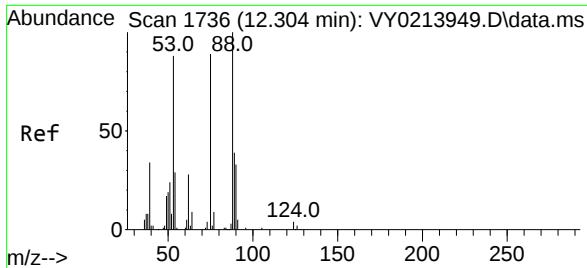
Tgt Ion: 83 Resp: 45
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 0.0 31.9 95.5#



#76
1,2,3-Trichloropropane
Concen: 95.587 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021439.D
Acq: 06 Mar 2025 16:59

Tgt Ion: 75 Resp: 2409
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 217.299 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021439.D
 Acq: 06 Mar 2025 16:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-104-SB01

Tgt Ion: 75 Resp: 2409
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.4#
 89 0.0 36.9 55.3#

