

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022825.D
 Acq On : 25 Jun 2025 15:19
 Operator : SY/MD
 Sample : Q2405-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-M/N-VOC

Quant Time: Jun 26 01:27:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

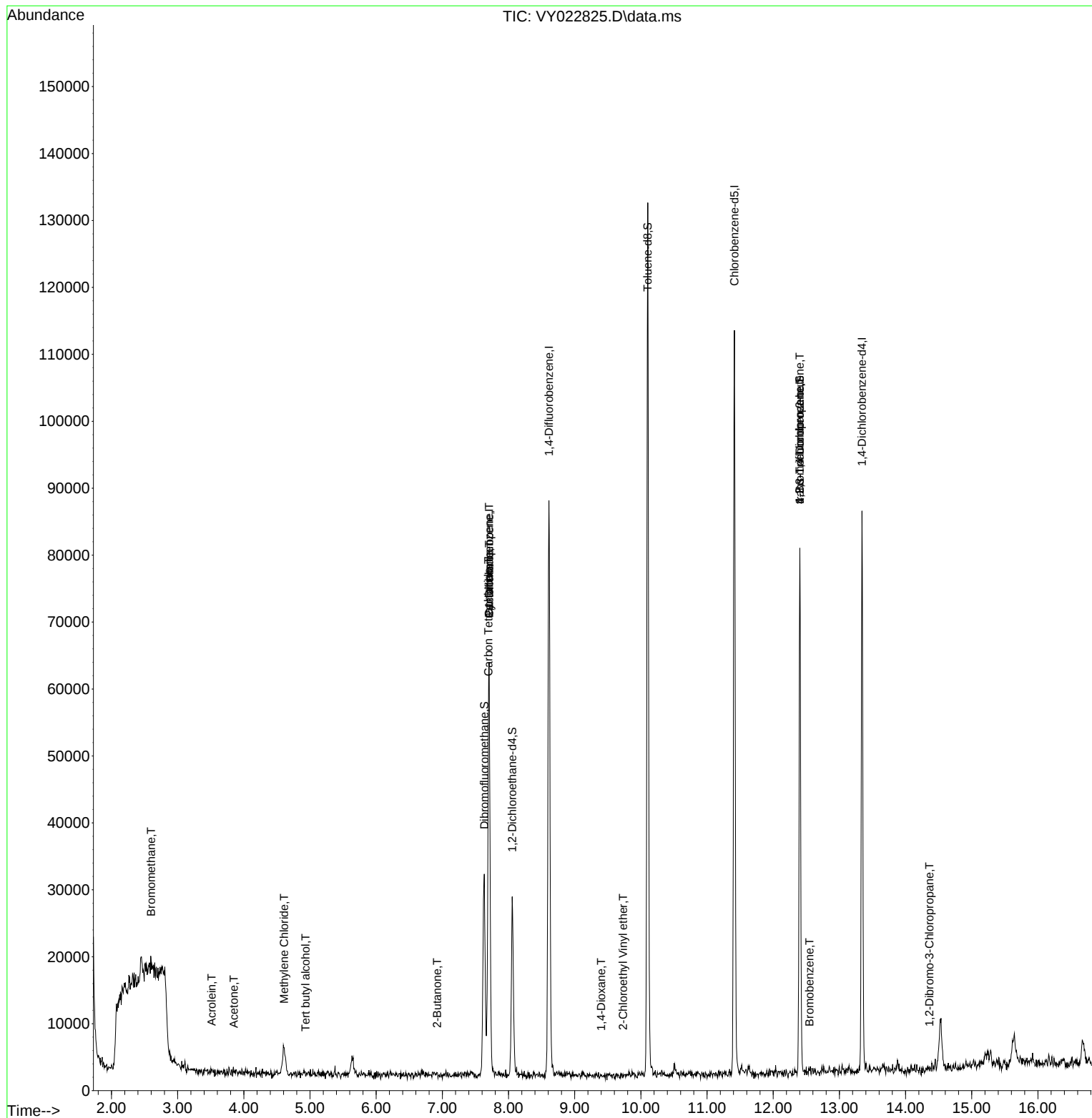
Internal Standards						
1) Pentafluorobenzene	7.707	168	46577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	74933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	58976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	20719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	19538	37.584	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.160%
35) Dibromofluoromethane	7.634	113	20833	45.716	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.440%
50) Toluene-d8	10.103	98	83805	46.344	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.680%
62) 4-Bromofluorobenzene	12.402	95	23456	40.350	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.700%
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	1405	1.881	ug/l	99
11) Tert butyl alcohol	4.933	59	40	1.157	ug/l #	73
13) Acrolein	3.513	56	62	1.323	ug/l #	14
16) Acetone	3.848	43	494	5.028	ug/l #	45
20) Methylene Chloride	4.610	84	2718	4.380	ug/l #	81
25) 2-Butanone	6.921	43	153	1.070	ug/l #	46
31) Cyclohexane	7.707	56	1509	1.690	ug/l #	66
36) 1,1-Dichloropropene	7.707	75	3958	5.730	ug/l #	51
38) Carbon Tetrachloride	7.695	117	4793	6.576	ug/l #	13
49) 1,4-Dioxane	9.402	88	56	16.799	ug/l #	58
58) 2-Chloroethyl Vinyl ether	9.731	63	19	15.724	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	12974	61.336	ug/l #	100
77) Bromobenzene	12.548	156	385	1.108	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.402	75	12974	154.959	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.358	75	69	1.648	ug/l #	2

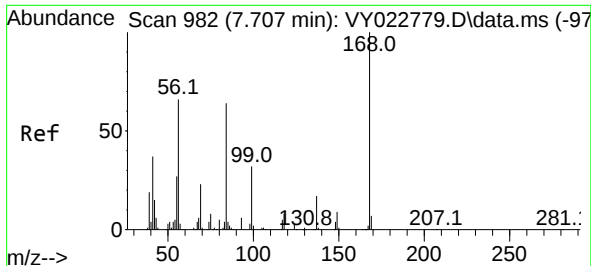
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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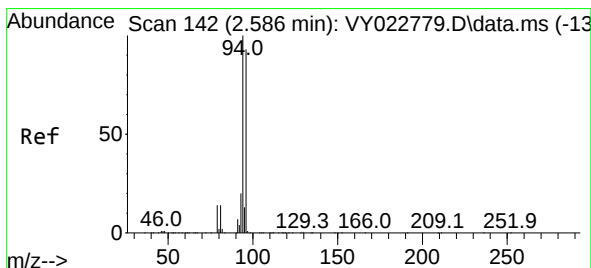
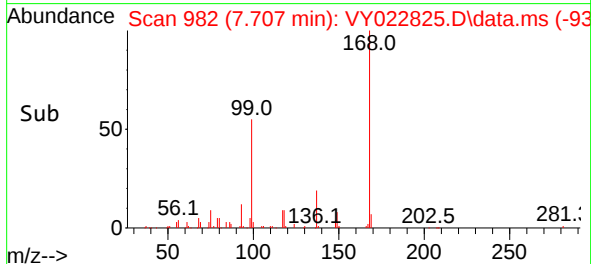
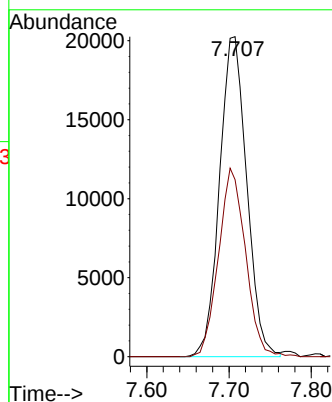
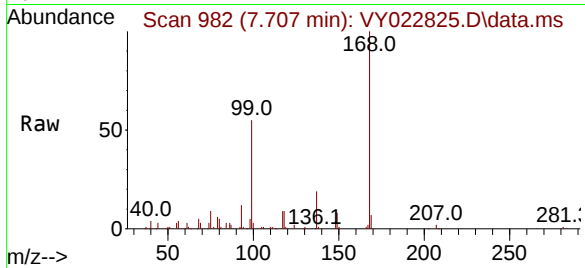




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

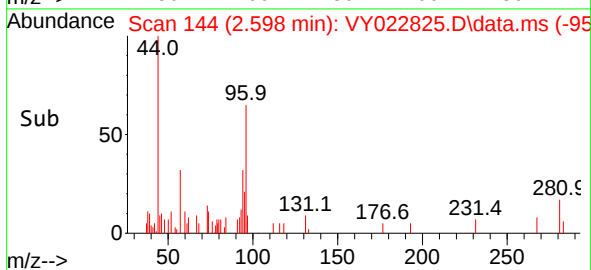
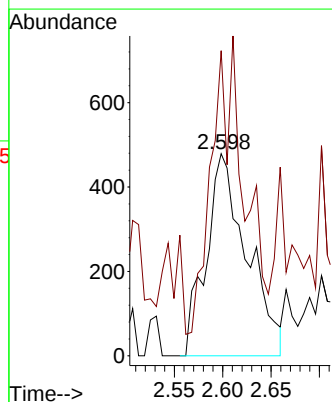
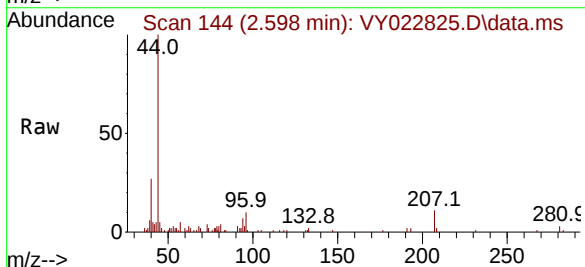
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOC

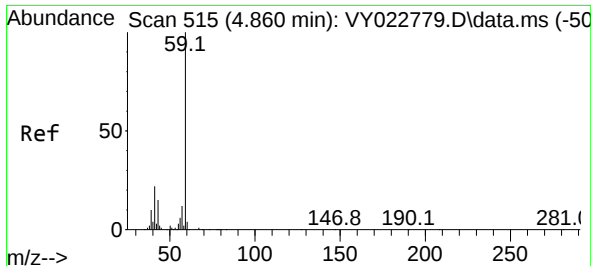
Tgt Ion:168 Resp: 46577
Ion Ratio Lower Upper
168 100
99 55.3 44.3 66.5



#5
Bromomethane
Concen: 1.881 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.000 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

Tgt Ion: 94 Resp: 1405
Ion Ratio Lower Upper
94 100
96 91.2 74.0 111.0





#11

Tert butyl alcohol

Concen: 1.157 ug/l

RT: 4.933 min Scan# 51

Delta R.T. 0.049 min

Lab File: VY022825.D

Acq: 25 Jun 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

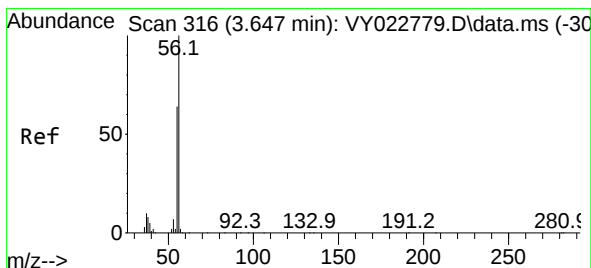
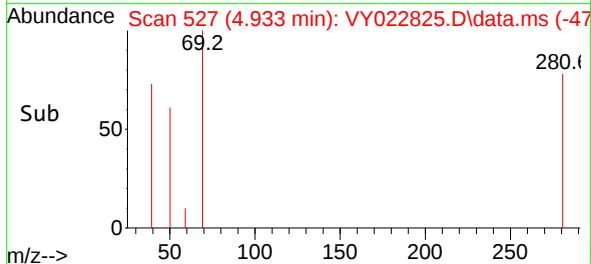
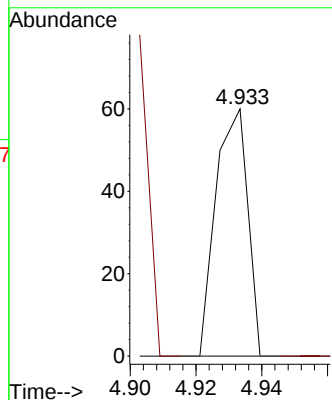
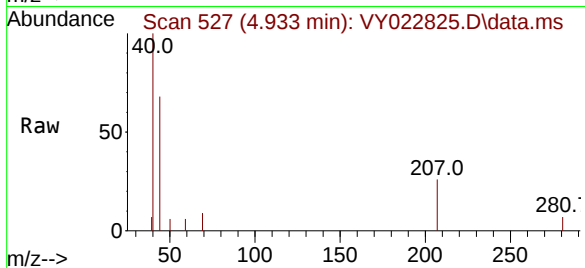
MH-M/N-VOC

Tgt Ion: 59 Resp: 40

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



#13

Acrolein

Concen: 1.323 ug/l

RT: 3.513 min Scan# 294

Delta R.T. -0.146 min

Lab File: VY022825.D

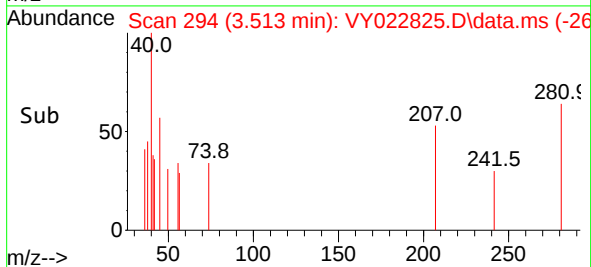
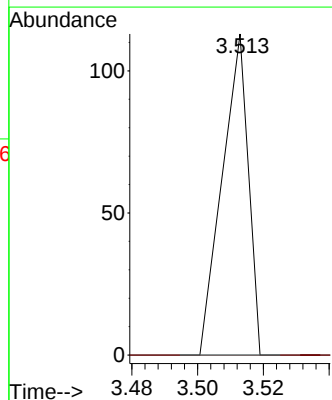
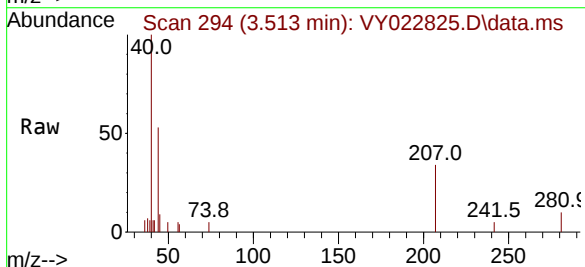
Acq: 25 Jun 2025 15:19

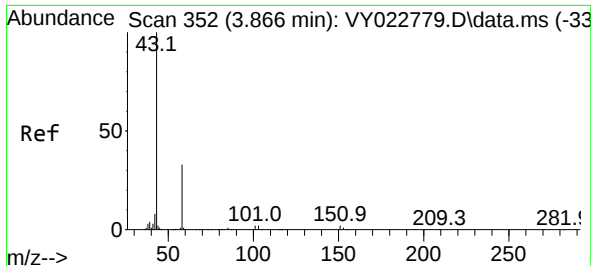
Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#

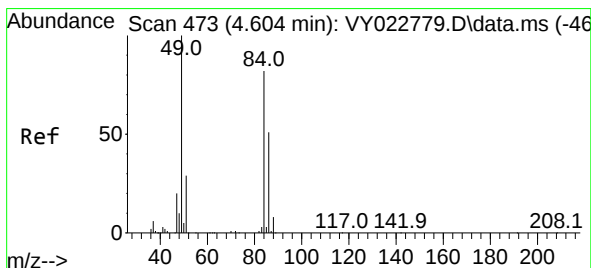
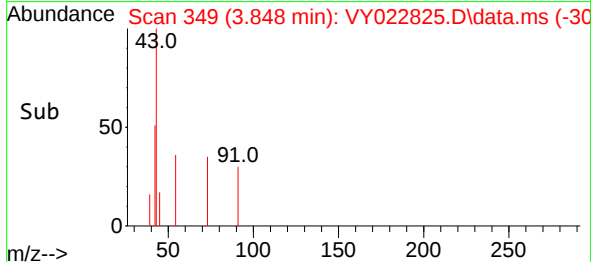
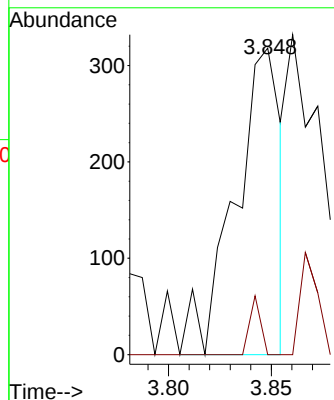
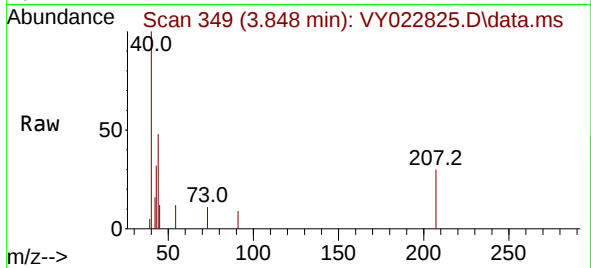




#16
Acetone
Concen: 5.028 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.031 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

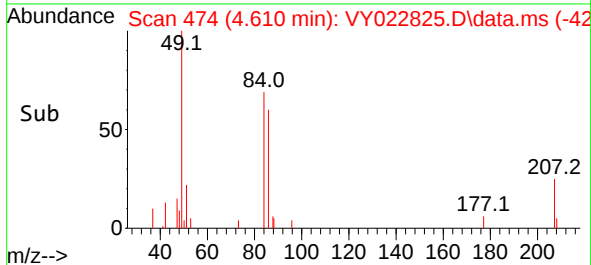
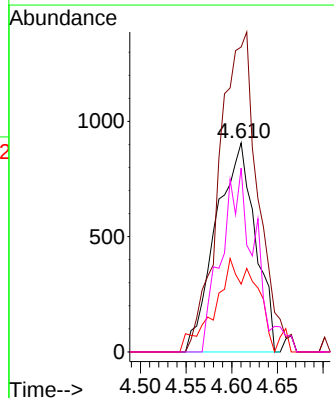
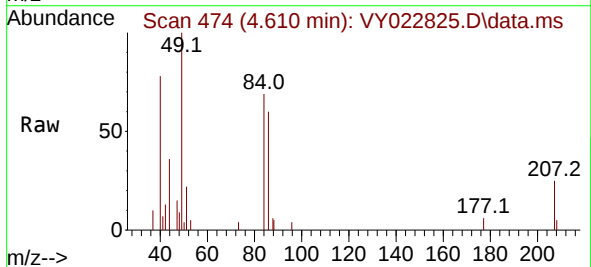
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOC

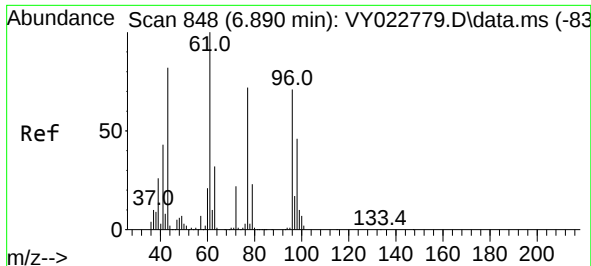
Tgt Ion: 43 Resp: 494
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#



#20
Methylene Chloride
Concen: 4.380 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

Tgt Ion: 84 Resp: 2718
Ion Ratio Lower Upper
84 100
49 145.9 101.9 152.9
51 32.4 29.8 44.8
86 87.9 51.3 76.9#

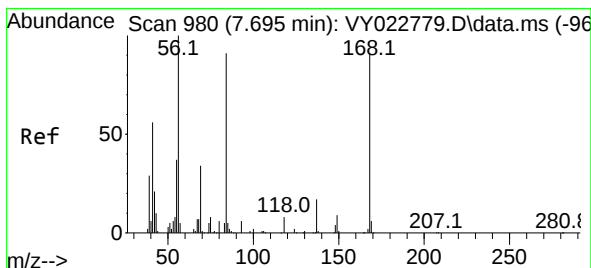
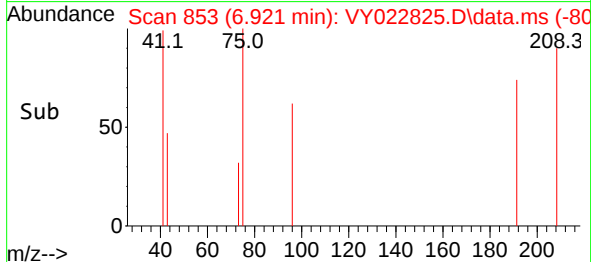
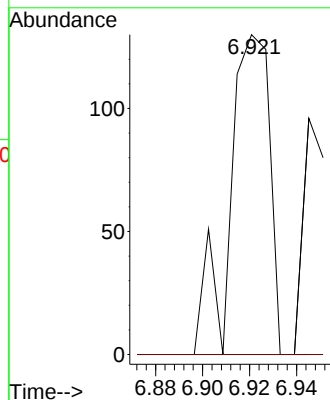
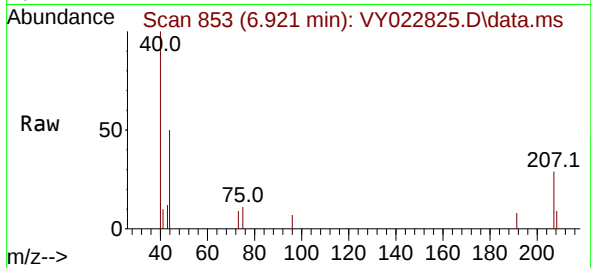




#25
2-Butanone
Concen: 1.070 ug/l
RT: 6.921 min Scan# 848
Delta R.T. 0.018 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

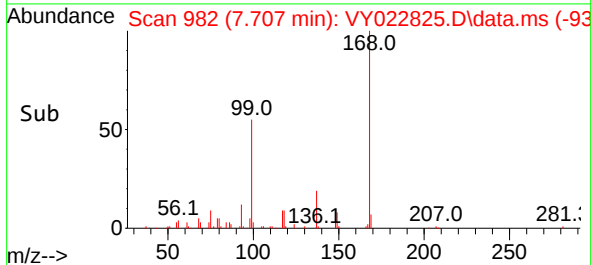
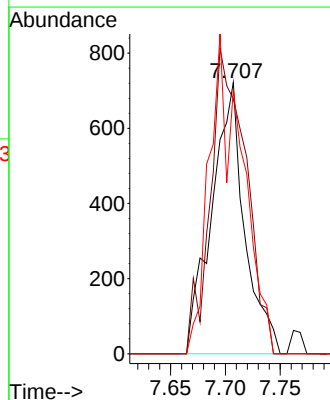
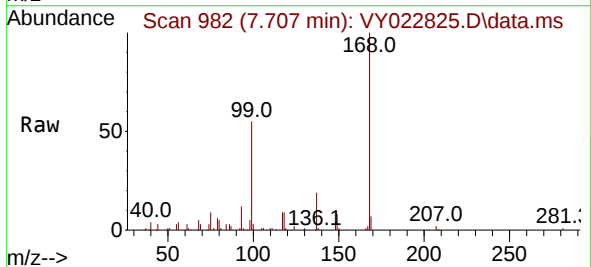
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOC

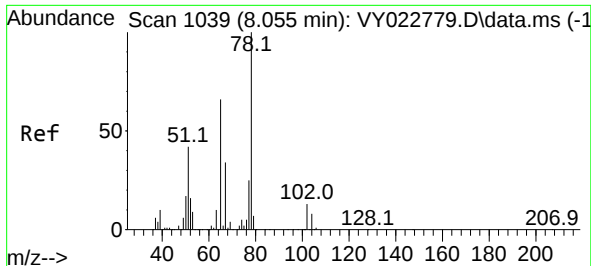
Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
72 0.0 22.9 34.3#



#31
Cyclohexane
Concen: 1.690 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

Tgt Ion: 56 Resp: 1509
Ion Ratio Lower Upper
56 100
69 93.9 27.0 40.6#
84 97.4 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 37.584 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022825.D

Acq: 25 Jun 2025 15:19

Instrument :

MSVOA_Y

ClientSampleId :

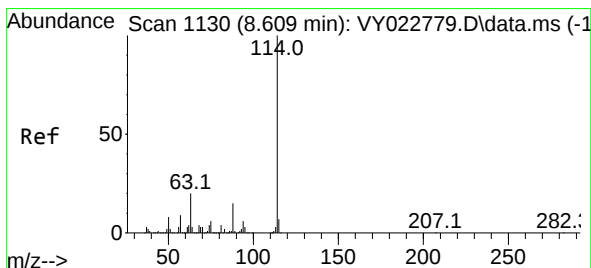
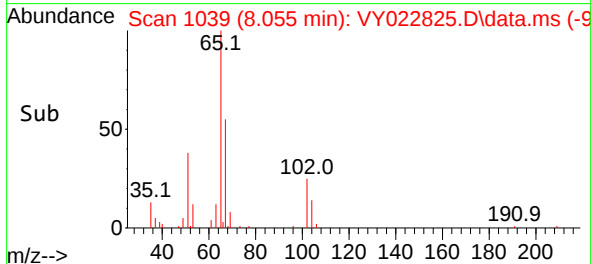
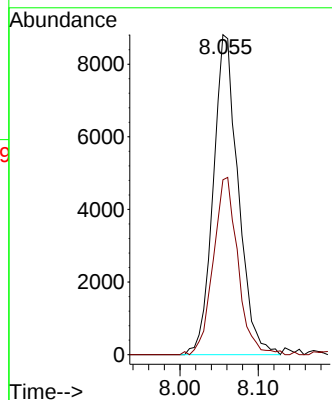
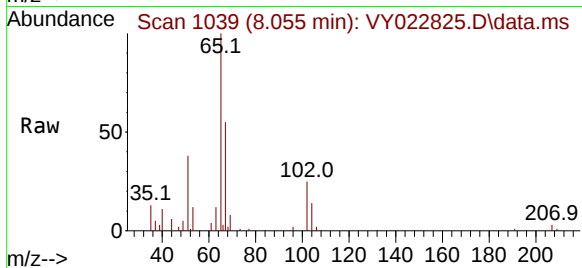
MH-M/N-VOC

Tgt Ion: 65 Resp: 19538

Ion Ratio Lower Upper

65 100

67 54.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022825.D

Acq: 25 Jun 2025 15:19

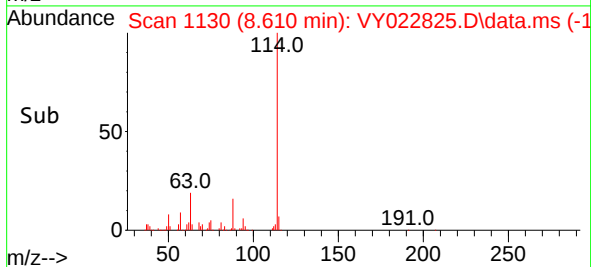
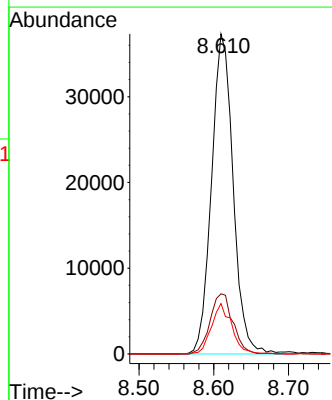
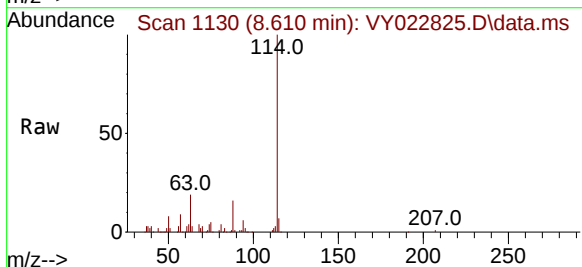
Tgt Ion: 114 Resp: 74933

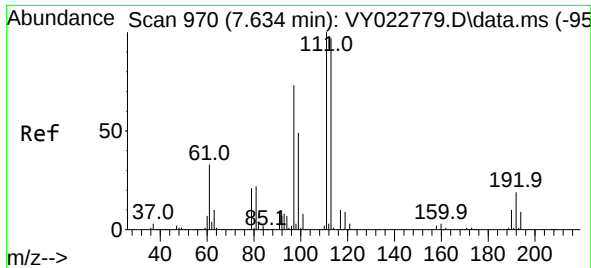
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.8

88 15.8 0.0 27.8

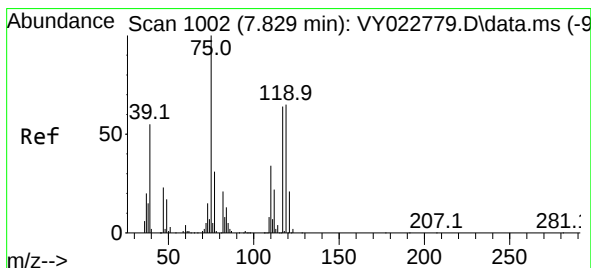
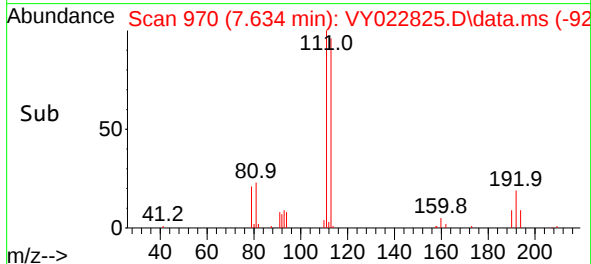
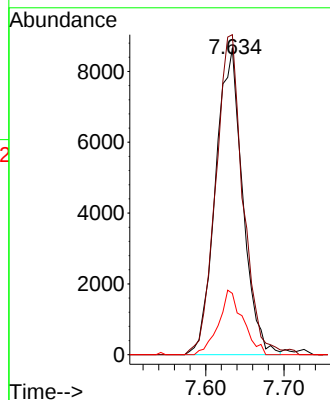
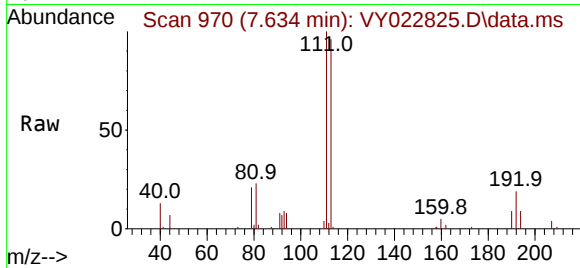




#35
Dibromofluoromethane
Concen: 45.716 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

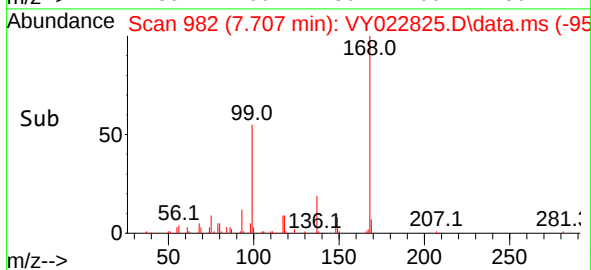
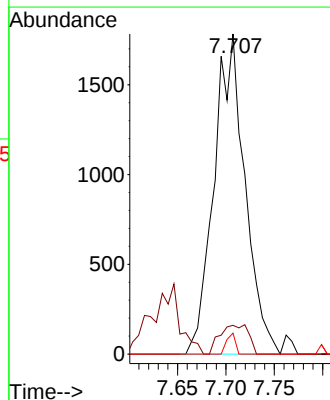
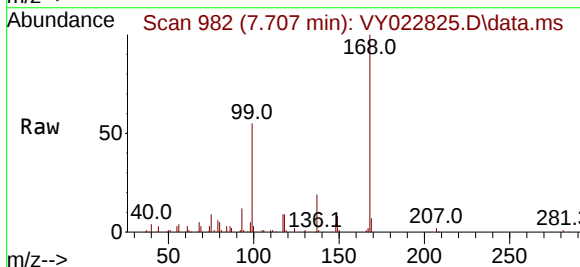
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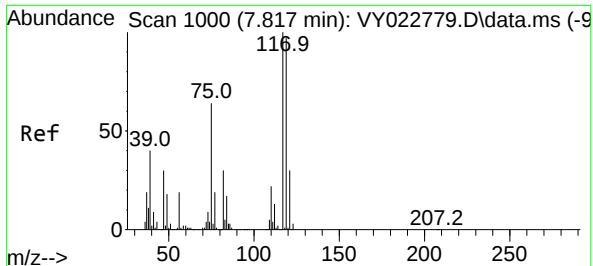
Tgt Ion:113 Resp: 20833
Ion Ratio Lower Upper
113 100
111 104.9 81.1 121.7
192 19.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.730 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

Tgt Ion: 75 Resp: 3958
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 1.8 24.8 37.2#

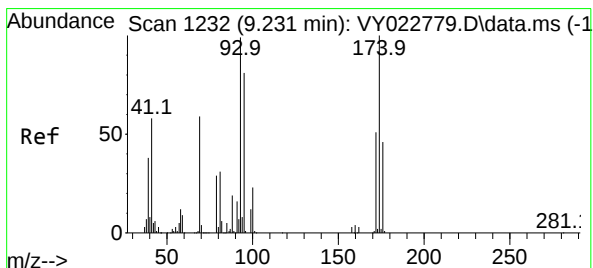
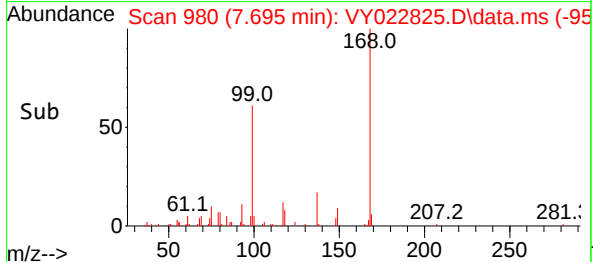
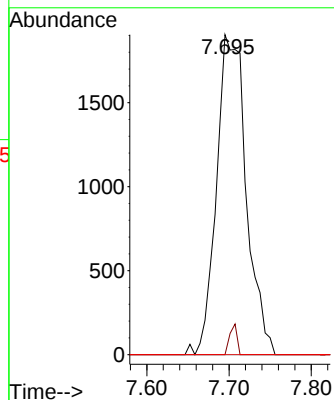
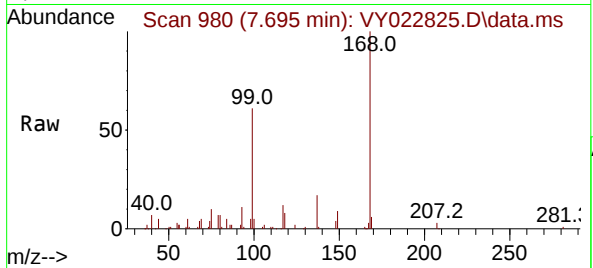




#38
Carbon Tetrachloride
Concen: 6.576 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

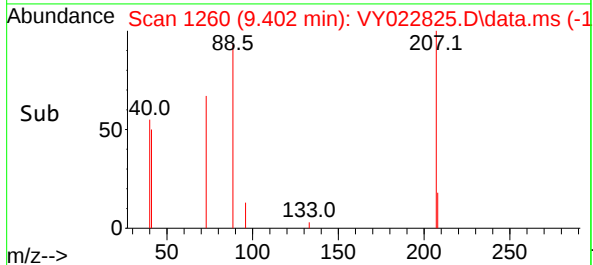
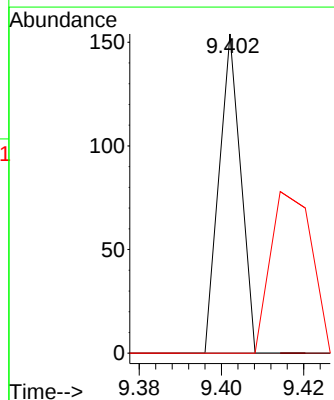
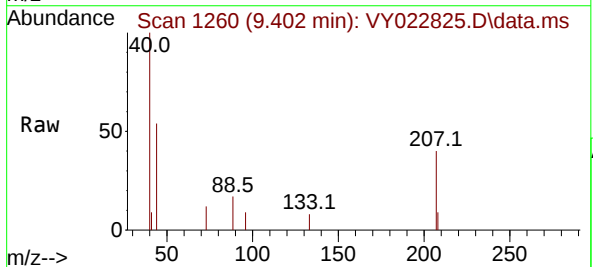
Instrument :
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ClientSampleId :
MH-M/N-VOC

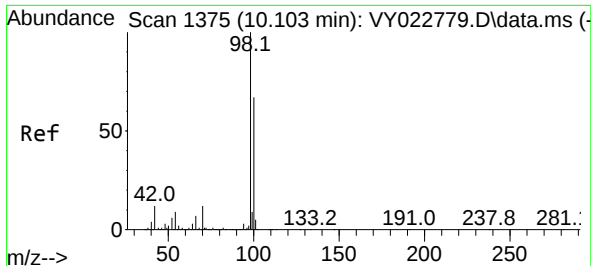
Tgt Ion:117 Resp: 4793
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 16.799 ug/l
RT: 9.402 min Scan# 1260
Delta R.T. 0.158 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 96.4 54.9 82.3#

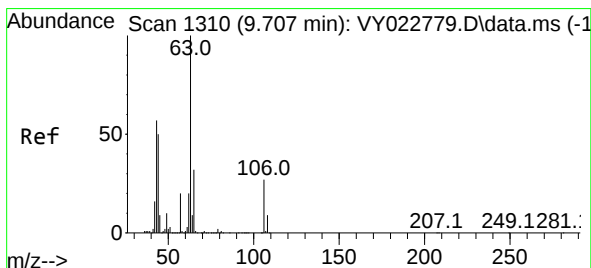
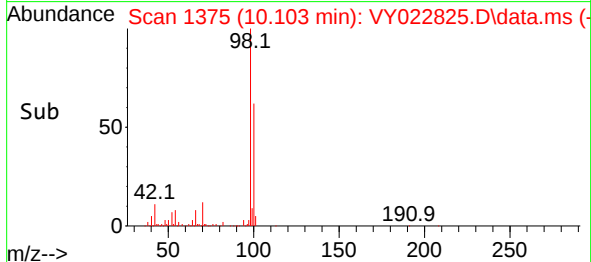
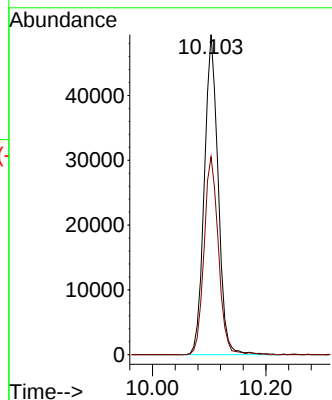
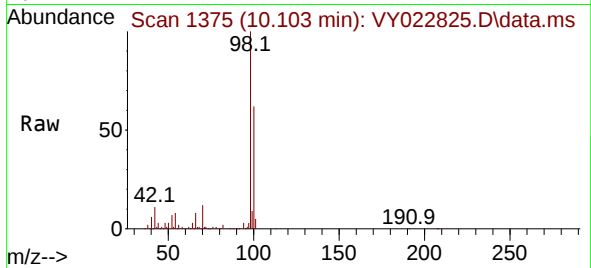




#50
Toluene-d8
Concen: 46.344 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

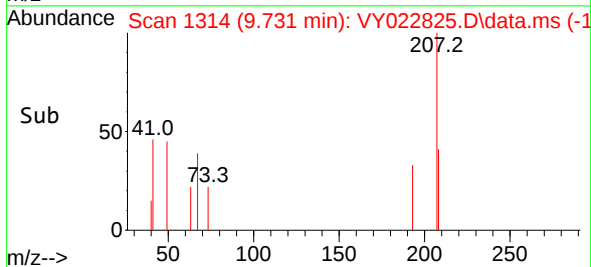
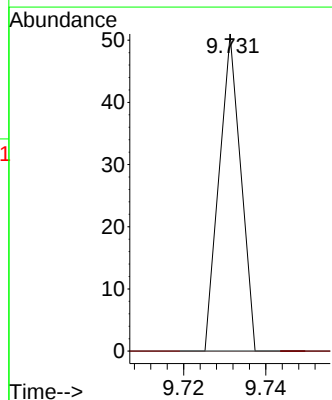
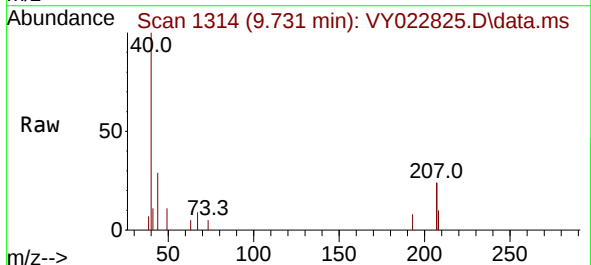
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOC

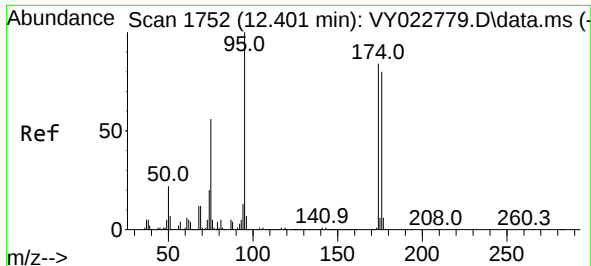
Tgt Ion: 98 Resp: 83805
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.724 ug/l
RT: 9.731 min Scan# 1314
Delta R.T. 0.018 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

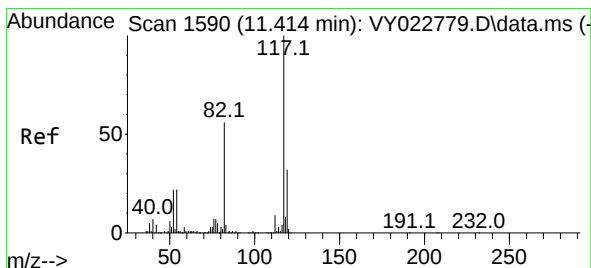
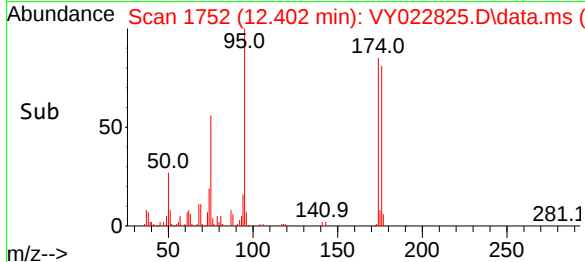
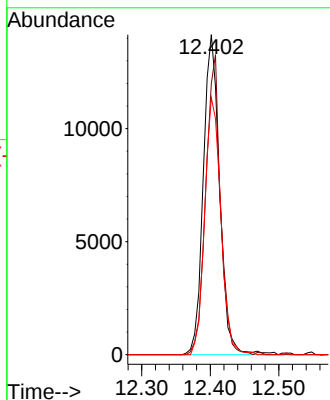
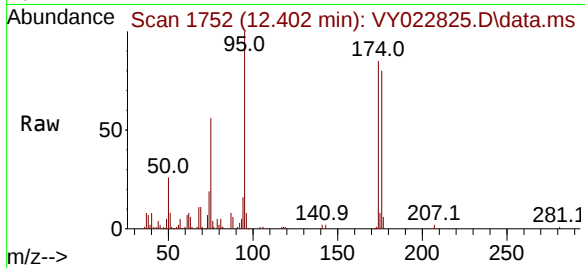




#62
4-Bromofluorobenzene
Concen: 40.350 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

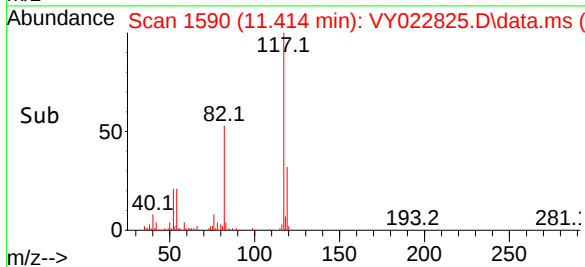
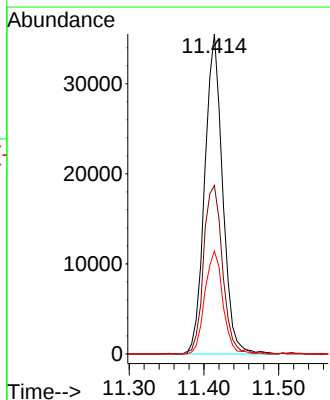
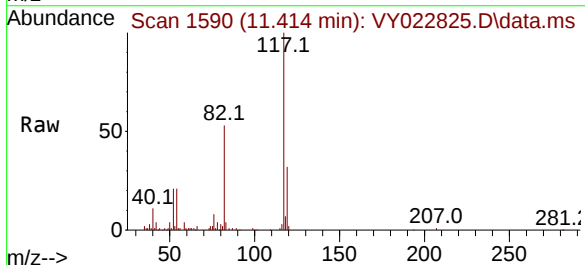
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOC

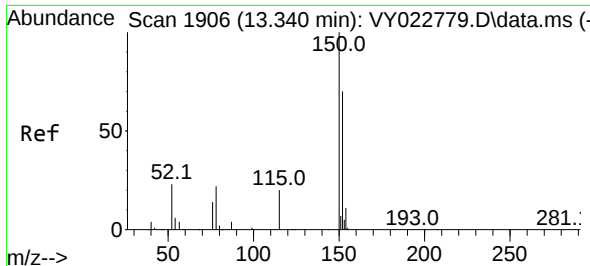
Tgt Ion: 95 Resp: 23456
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.0
176 79.9 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

Tgt Ion: 117 Resp: 58976
Ion Ratio Lower Upper
117 100
82 52.7 44.6 66.8
119 32.1 25.4 38.0

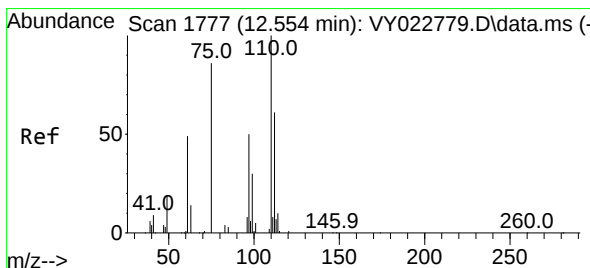
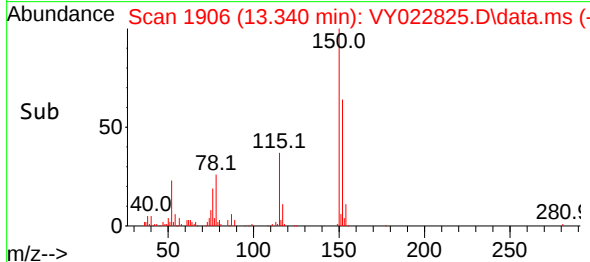
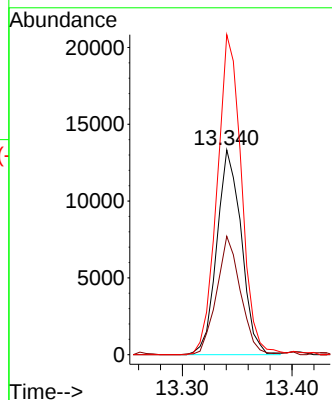
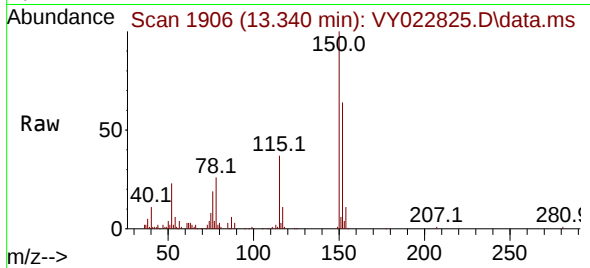




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022825.D
 Acq: 25 Jun 2025 15:19

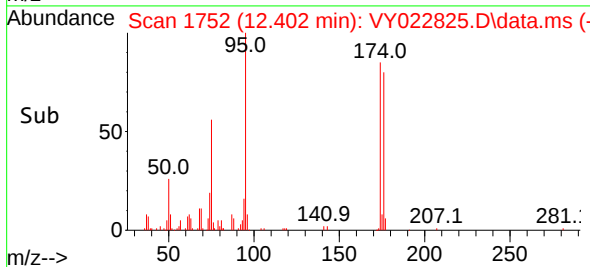
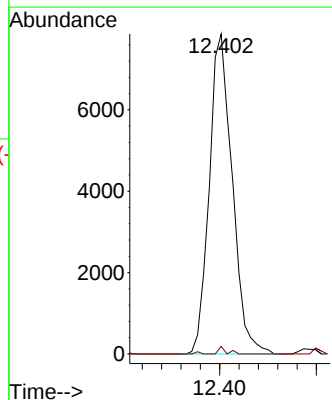
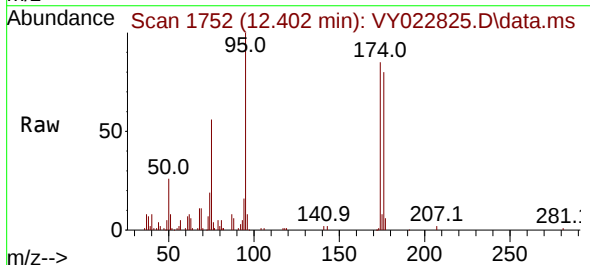
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-M/N-VOC

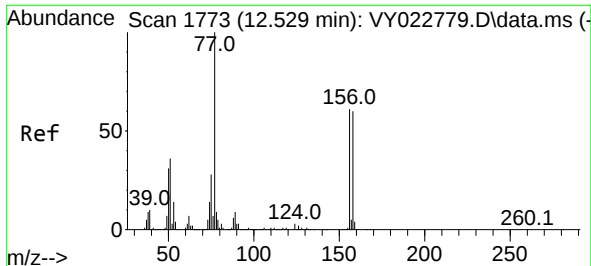
Tgt Ion:152 Resp: 20719
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.9 86.7
 150 155.2 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 61.336 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022825.D
 Acq: 25 Jun 2025 15:19

Tgt Ion: 75 Resp: 12974
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#

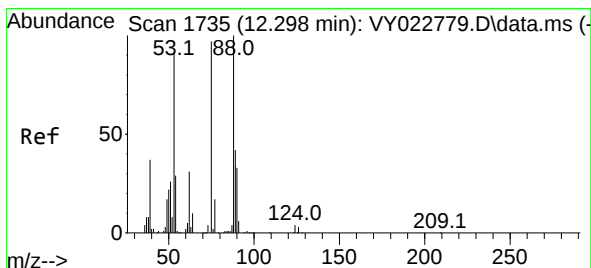
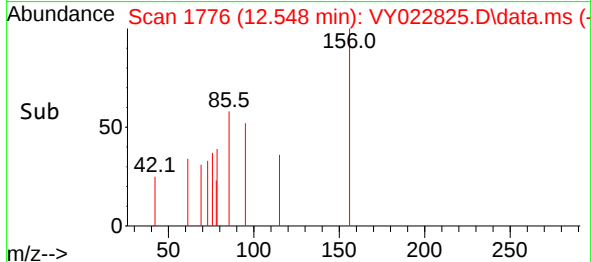
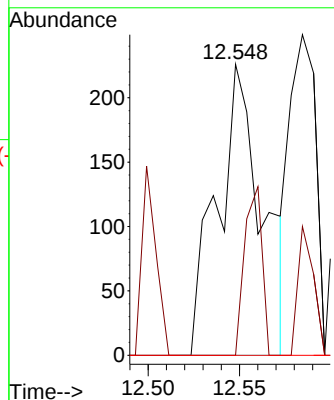
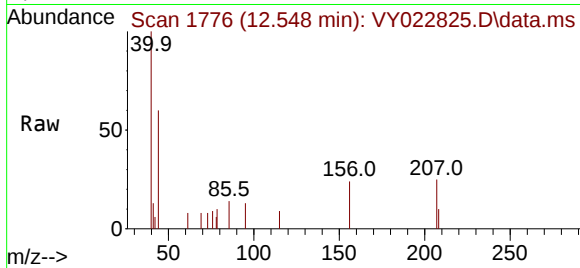




#77
Bromobenzene
Concen: 1.108 ug/l
RT: 12.548 min Scan# 1776
Delta R.T. 0.012 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

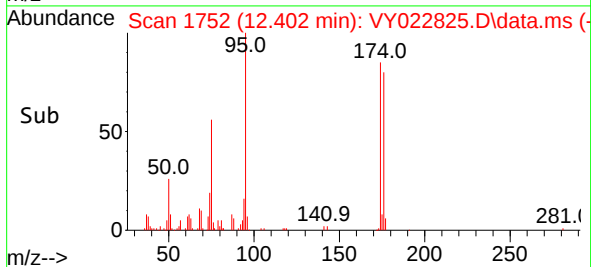
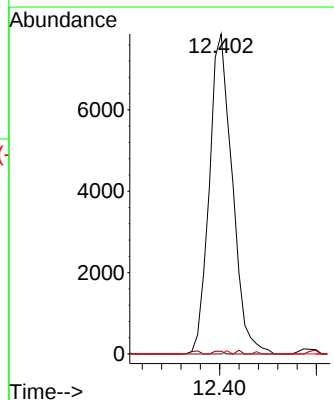
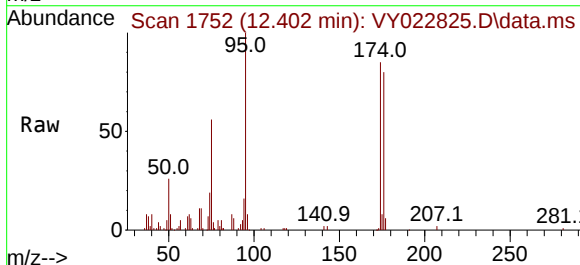
Instrument :
MSVOA_Y
ClientSampleId :
MH-M/N-VOC

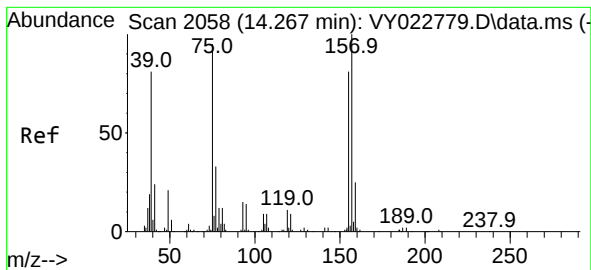
Tgt Ion:156 Resp: 385
Ion Ratio Lower Upper
156 100
77 22.6 94.0 282.1#
158 0.0 48.2 144.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 154.959 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022825.D
Acq: 25 Jun 2025 15:19

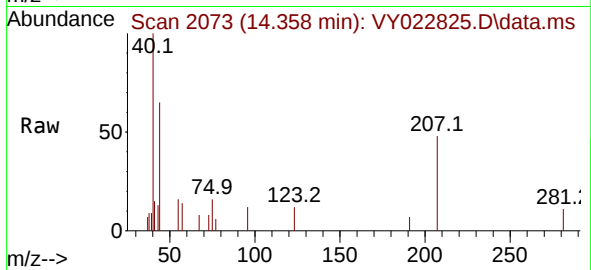
Tgt Ion: 75 Resp: 12974
Ion Ratio Lower Upper
75 100
53 0.4 78.5 117.7#
89 0.2 35.7 53.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.648 ug/l
 RT: 14.358 min Scan# 2058
 Delta R.T. 0.085 min
 Lab File: VY022825.D
 Acq: 25 Jun 2025 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-M/N-VOC



Tgt Ion: 75 Resp: 69
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.9 119.6#
 157 0.0 54.0 162.0#

