

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022152.D
 Acq On : 05 May 2025 12:24
 Operator : SY/MD
 Sample : Q1951-03
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-KK-VOC

Quant Time: May 06 05:20:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

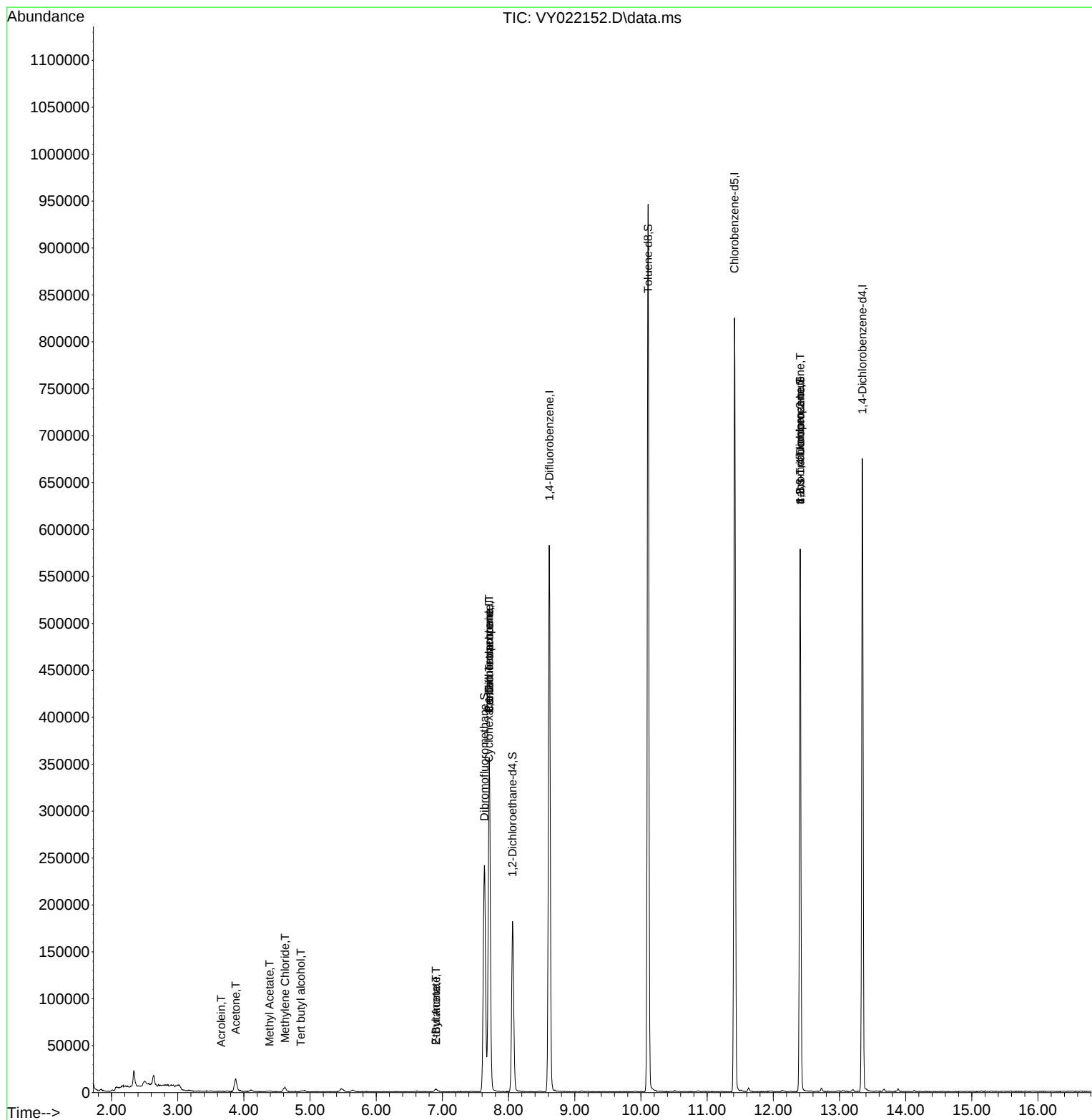
Internal Standards						
1) Pentafluorobenzene	7.707	168	271142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	513724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	455150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	172170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137711	54.986	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.980%			
35) Dibromofluoromethane	7.634	113	172043	50.691	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.380%			
50) Toluene-d8	10.109	98	620017	48.457	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.920%			
62) 4-Bromofluorobenzene	12.407	95	176761	41.037	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.080%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	431	3.135	ug/l #	81
13) Acrolein	3.659	56	297	1.204	ug/l #	50
16) Acetone	3.878	43	24281	57.633	ug/l	95
18) Methyl Acetate	4.390	43	1492	1.275	ug/l #	83
20) Methylene Chloride	4.622	84	3418	1.079	ug/l #	93
25) 2-Butanone	6.902	43	5190	9.091	ug/l	96
31) Cyclohexane	7.701	56	5340	1.290	ug/l #	12
36) 1,1-Dichloropropene	7.707	75	20781	4.558	ug/l #	48
37) Ethyl Acetate	6.902	43	5190	3.170	ug/l #	64
38) Carbon Tetrachloride	7.707	117	27162	4.986	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	86335	58.543	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	86335	140.981	ug/l #	16

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

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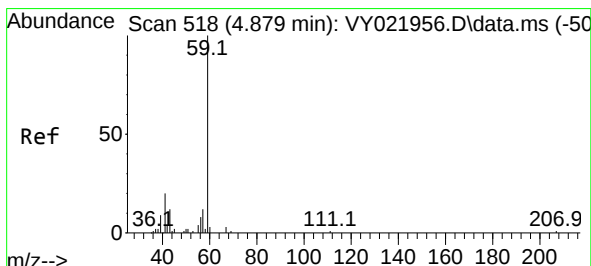
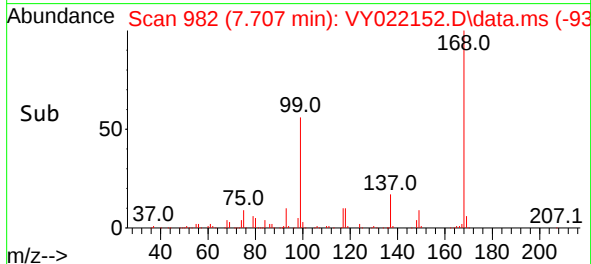
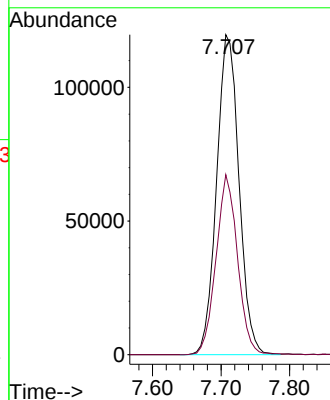
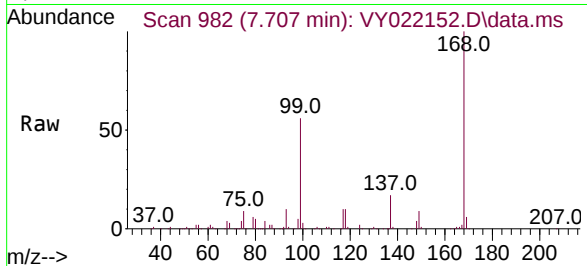




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

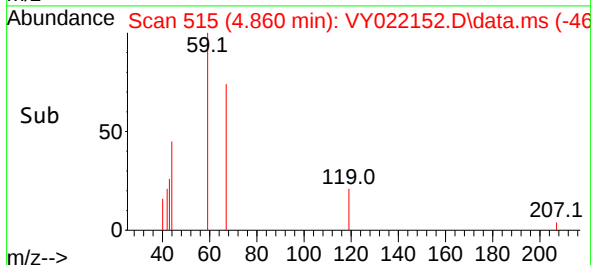
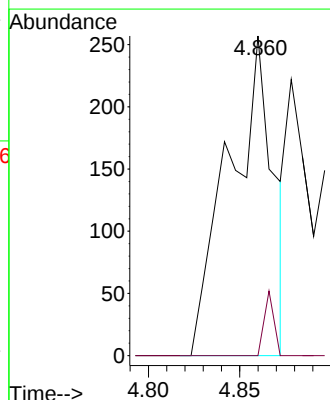
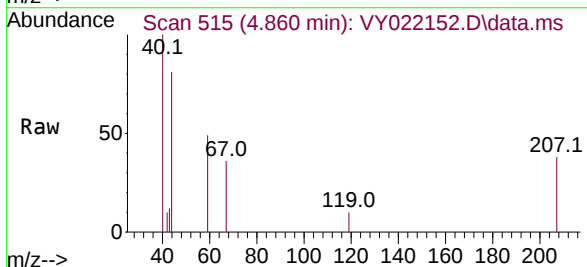
Instrument :
MSVOA_Y
ClientSampleId :
MH-KK-VOC

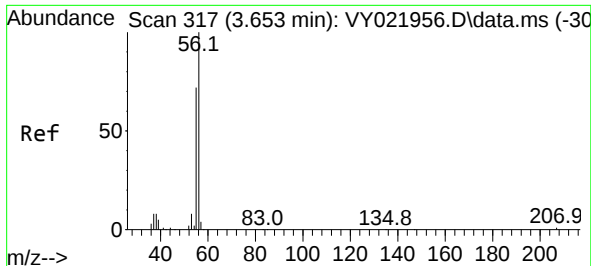
Tgt Ion:168 Resp: 271142
Ion Ratio Lower Upper
168 100
99 56.2 43.1 64.7



#11
Tert butyl alcohol
Concen: 3.135 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.019 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion: 59 Resp: 431
Ion Ratio Lower Upper
59 100
57 4.4 9.3 13.9#

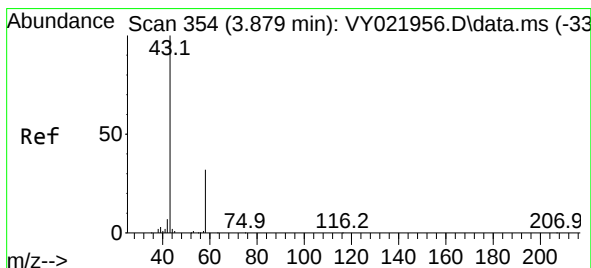
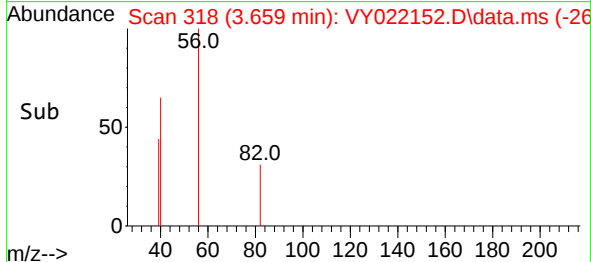
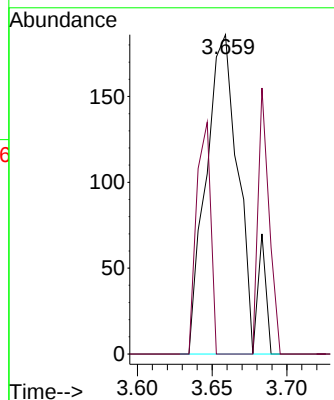
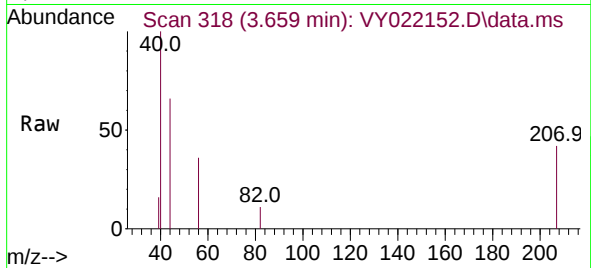




#13
Acrolein
Concen: 1.204 ug/l
RT: 3.659 min Scan# 317
Delta R.T. 0.006 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

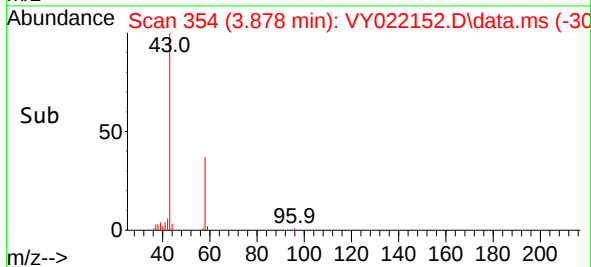
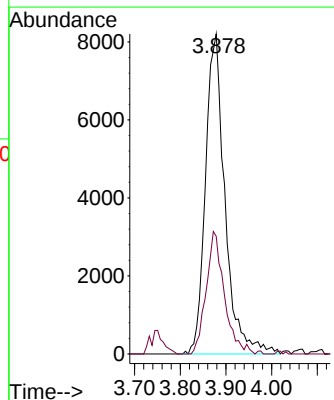
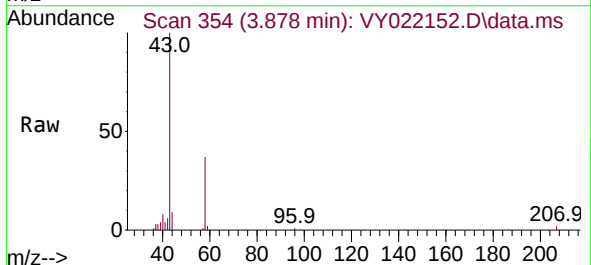
Instrument :
MSVOA_Y
ClientSampleId :
MH-KK-VOC

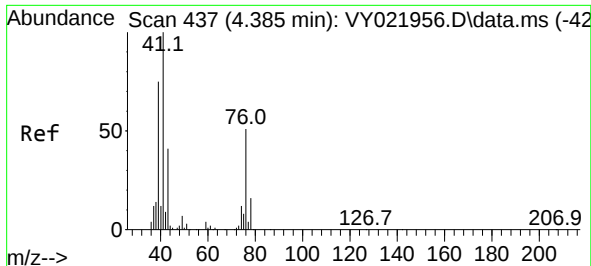
Tgt Ion: 56 Resp: 297
Ion Ratio Lower Upper
56 100
55 30.0 57.4 86.0#



#16
Acetone
Concen: 57.633 ug/l
RT: 3.878 min Scan# 354
Delta R.T. -0.001 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion: 43 Resp: 24281
Ion Ratio Lower Upper
43 100
58 36.8 27.0 40.4

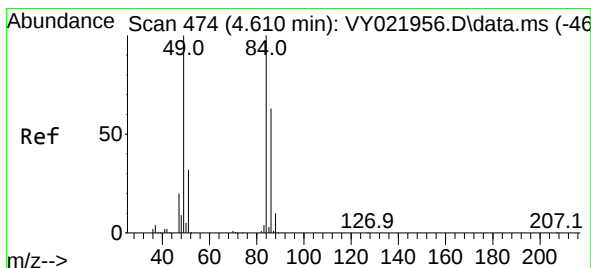
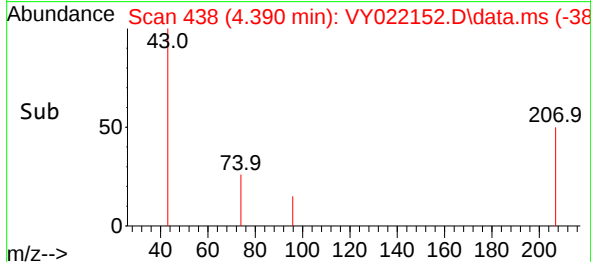
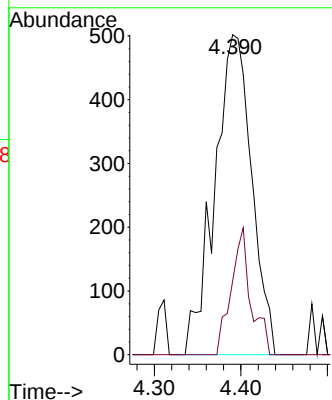
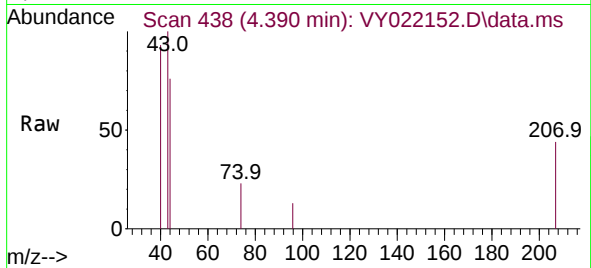




#18
Methyl Acetate
Concen: 1.275 ug/l
RT: 4.390 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

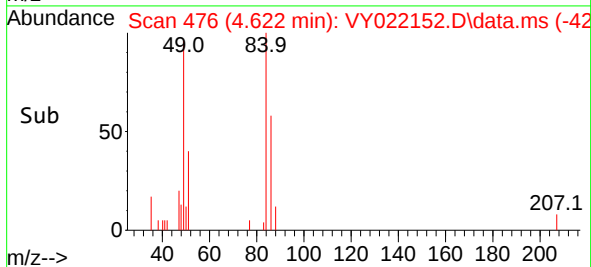
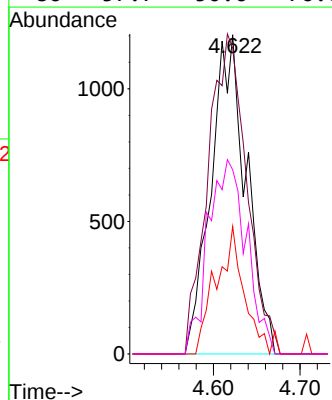
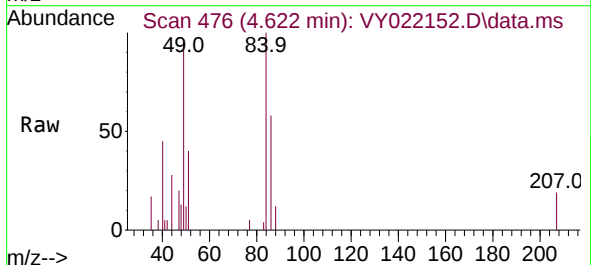
Instrument :
MSVOA_Y
ClientSampleId :
MH-KK-VOC

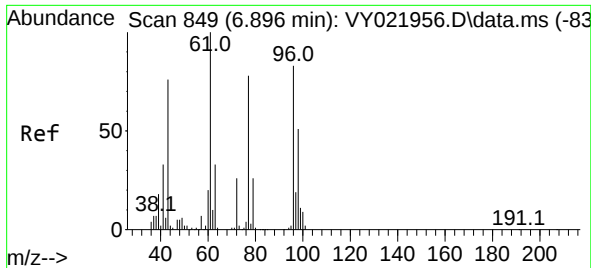
Tgt Ion: 43 Resp: 1492
Ion Ratio Lower Upper
43 100
74 21.2 24.2 36.4#



#20
Methylene Chloride
Concen: 1.079 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion: 84 Resp: 3418
Ion Ratio Lower Upper
84 100
49 95.8 79.9 119.9
51 40.0 25.4 38.0#
86 57.7 50.6 76.0





#25

2-Butanone

Concen: 9.091 ug/l

RT: 6.902 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY022152.D

Acq: 05 May 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

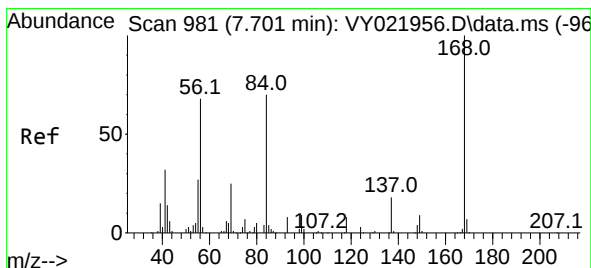
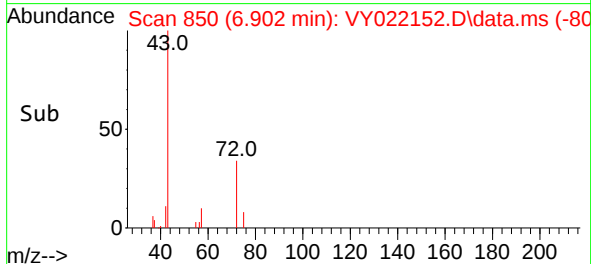
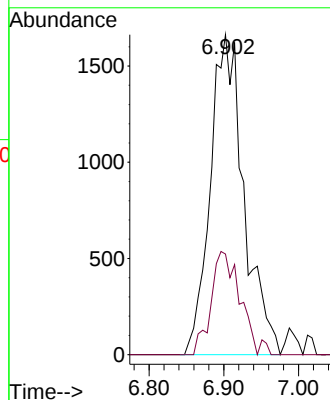
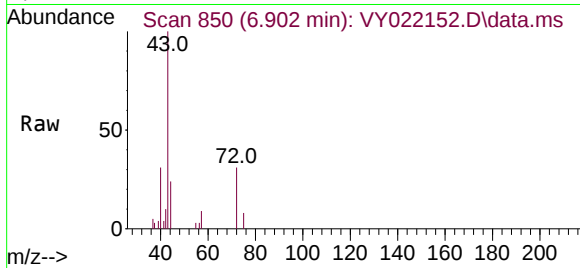
MH-KK-VOC

Tgt Ion: 43 Resp: 5190

Ion Ratio Lower Upper

43 100

72 31.4 27.0 40.4



#31

Cyclohexane

Concen: 1.290 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY022152.D

Acq: 05 May 2025 12:24

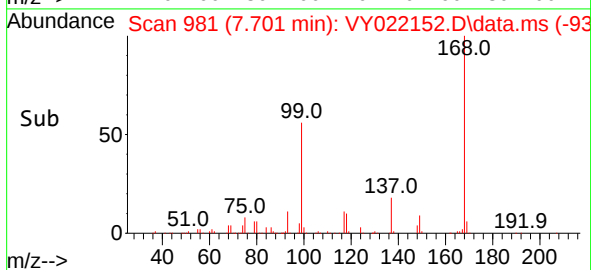
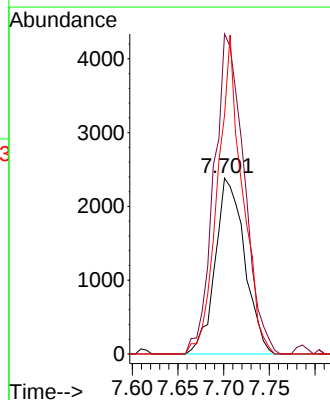
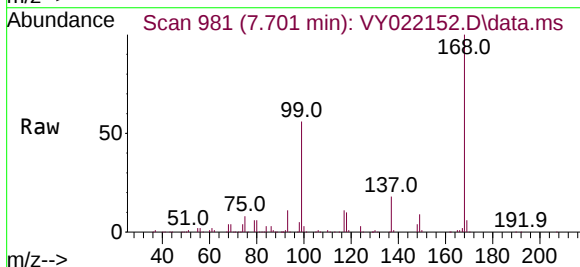
Tgt Ion: 56 Resp: 5340

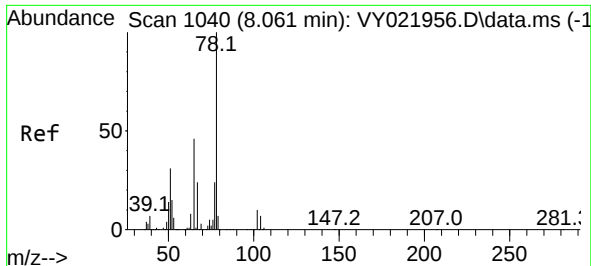
Ion Ratio Lower Upper

56 100

69 182.0 29.4 44.2#

84 135.6 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 54.986 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022152.D

Acq: 05 May 2025 12:24

Instrument :

MSVOA_Y

ClientSampleId :

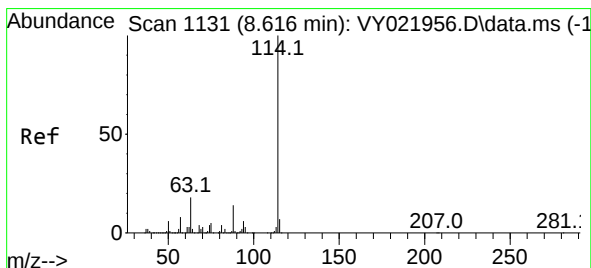
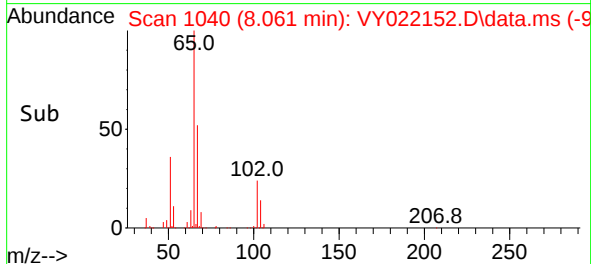
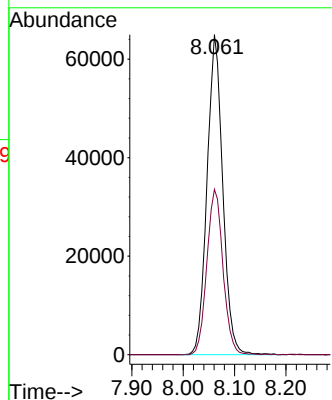
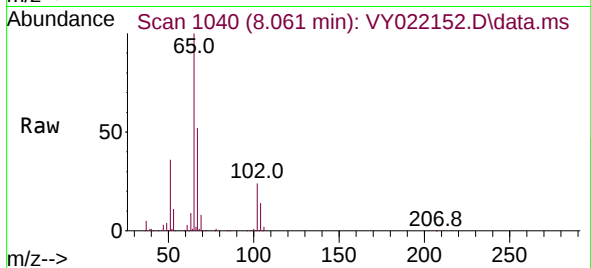
MH-KK-VOC

Tgt Ion: 65 Resp: 137711

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022152.D

Acq: 05 May 2025 12:24

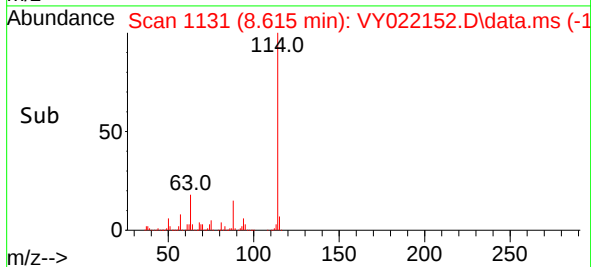
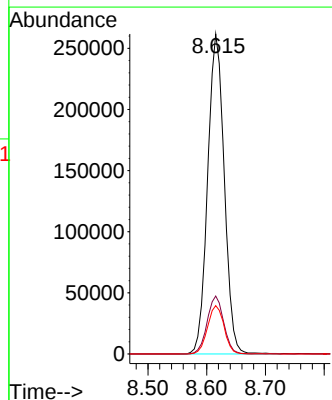
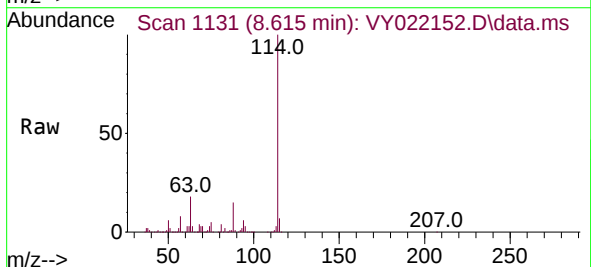
Tgt Ion:114 Resp: 513724

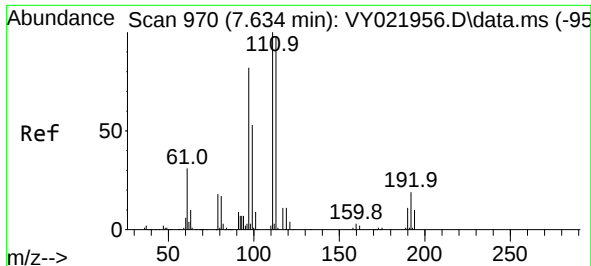
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

88 15.1 0.0 28.2

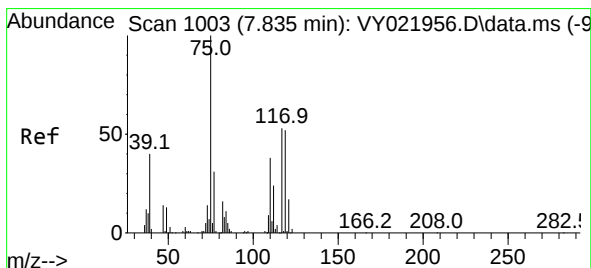
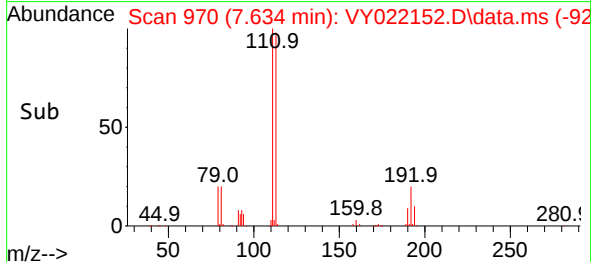
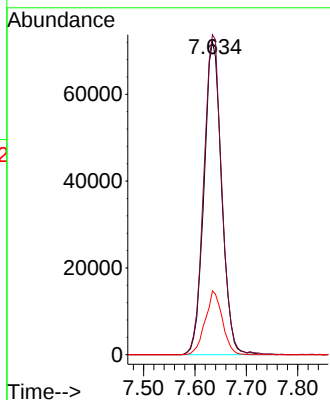
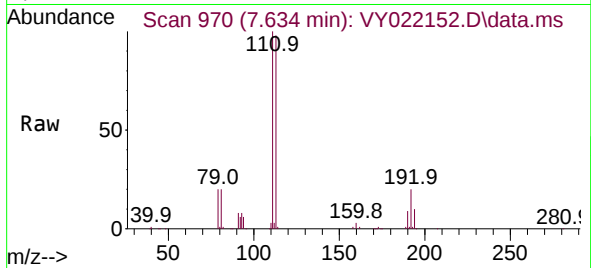




#35
Dibromofluoromethane
Concen: 50.691 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

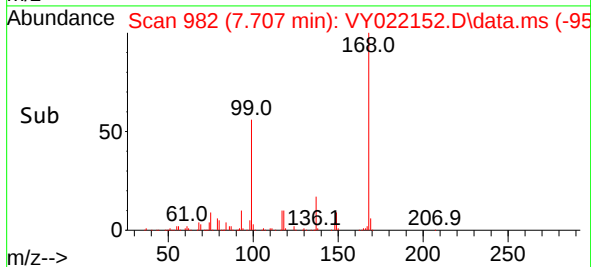
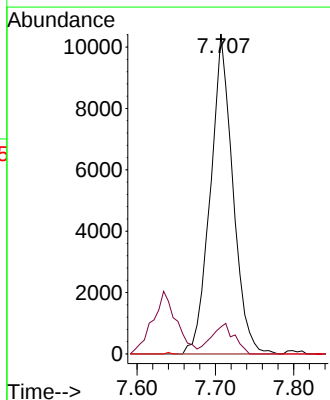
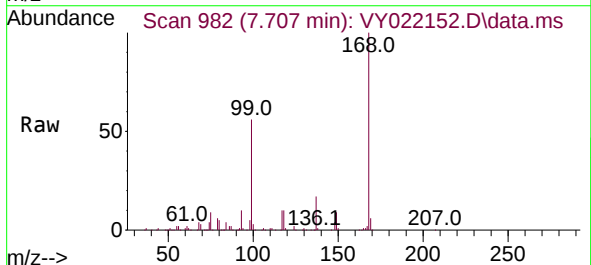
Instrument :
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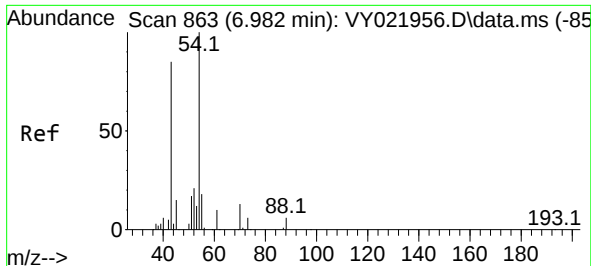
Tgt Ion:113 Resp: 172043
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 19.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.558 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion: 75 Resp: 20781
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.5 38.3#

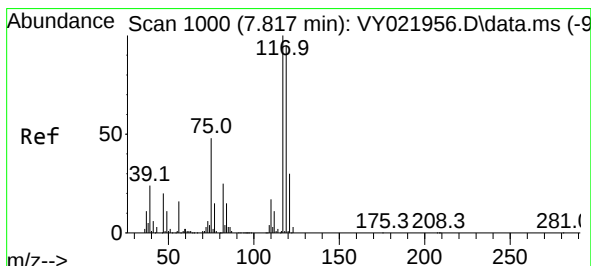
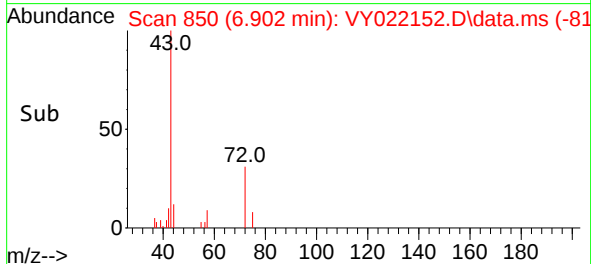
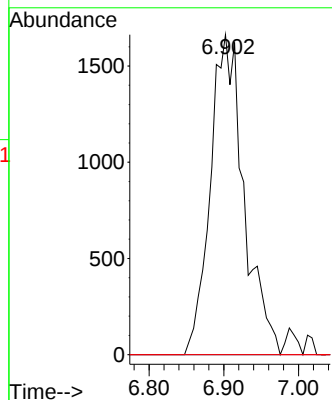
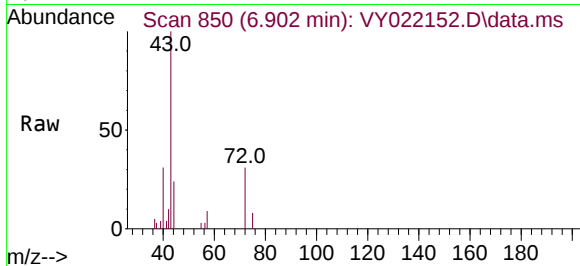




#37
Ethyl Acetate
Concen: 3.170 ug/l
RT: 6.902 min Scan# 81
Delta R.T. -0.080 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

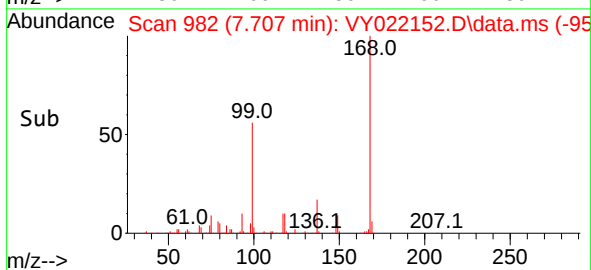
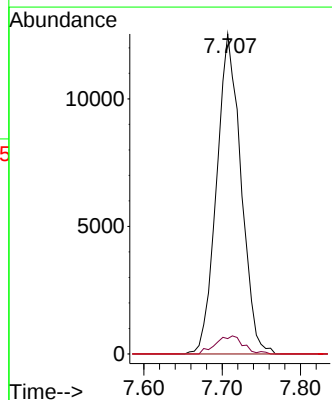
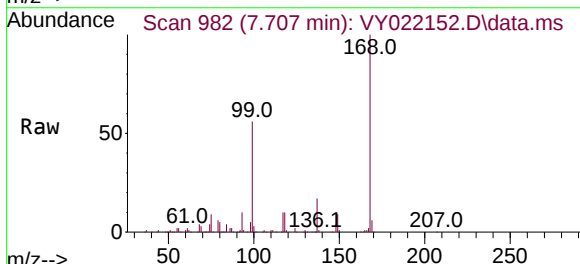
Instrument :
MSVOA_Y
ClientSampleId :
MH-KK-VOC

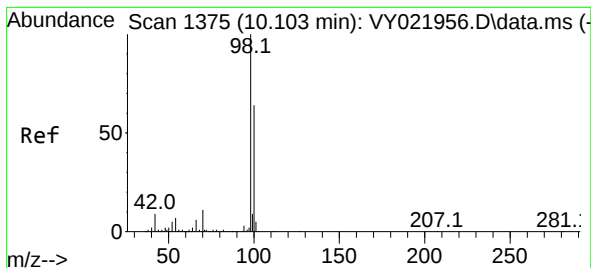
Tgt Ion: 43 Resp: 5190
Ion Ratio Lower Upper
43 100
61 0.0 13.8 20.6#
70 0.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 4.986 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion: 117 Resp: 27162
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.4#
121 0.0 24.0 36.0#

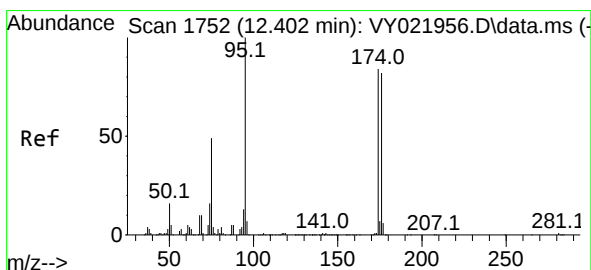
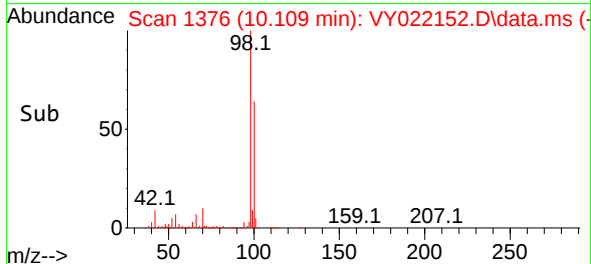
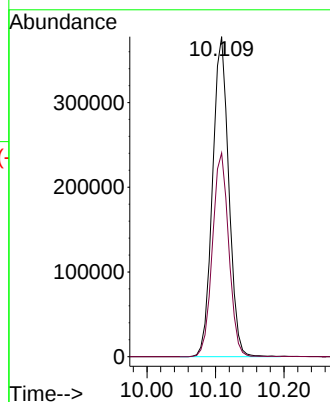
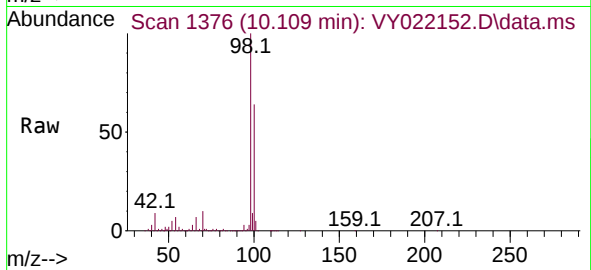




#50
Toluene-d8
Concen: 48.457 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

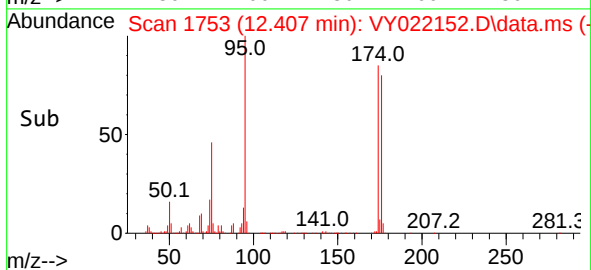
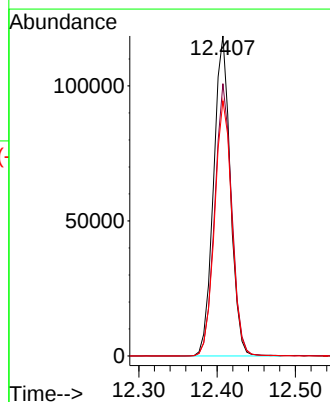
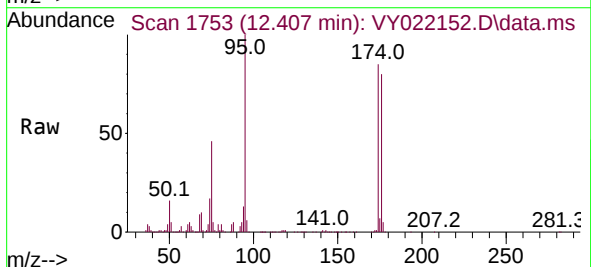
Instrument :
MSVOA_Y
ClientSampleId :
MH-KK-VOC

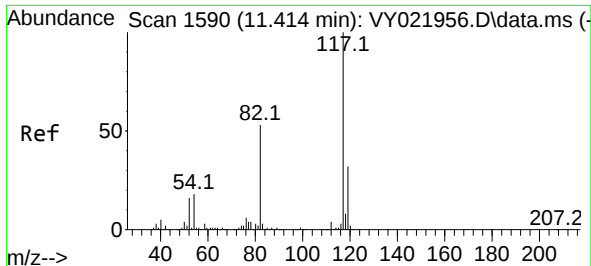
Tgt Ion: 98 Resp: 620017
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 41.037 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion: 95 Resp: 176761
Ion Ratio Lower Upper
95 100
174 86.1 0.0 179.0
176 82.3 0.0 171.8

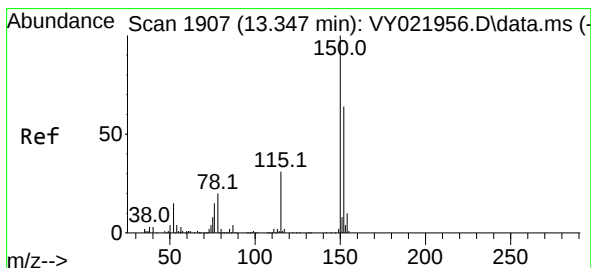
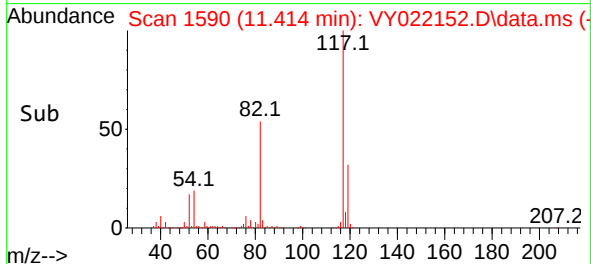
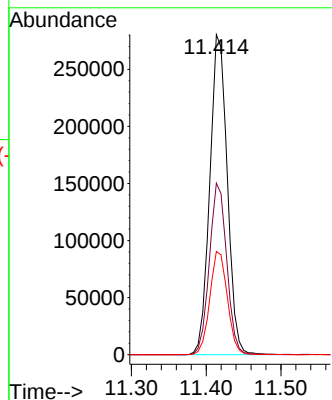
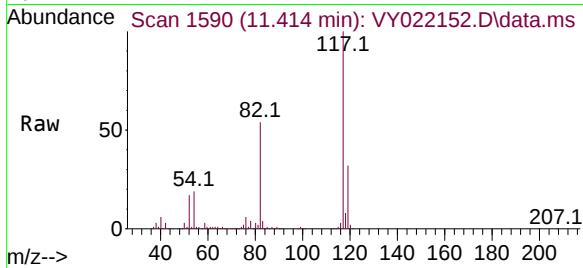




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

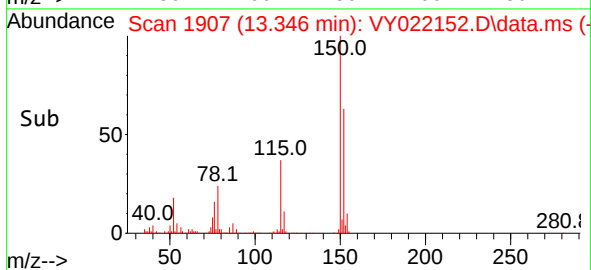
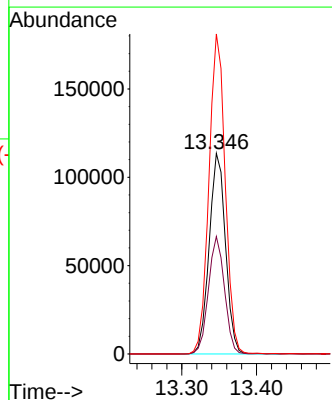
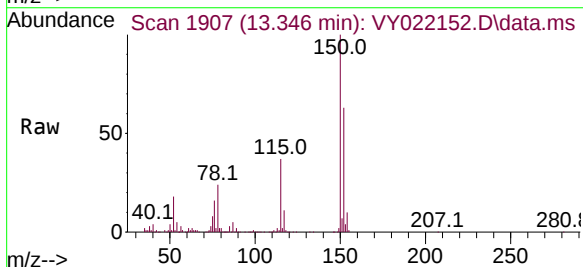
Instrument :
MSVOA_Y
ClientSampleId :
MH-KK-VOC

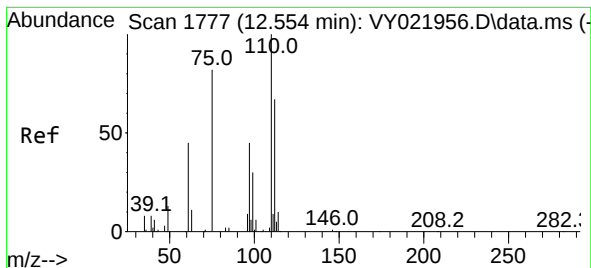
Tgt Ion:117 Resp: 455150
Ion Ratio Lower Upper
117 100
82 53.6 42.1 63.1
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion:152 Resp: 172170
Ion Ratio Lower Upper
152 100
115 57.4 28.0 84.0
150 158.9 0.0 345.6

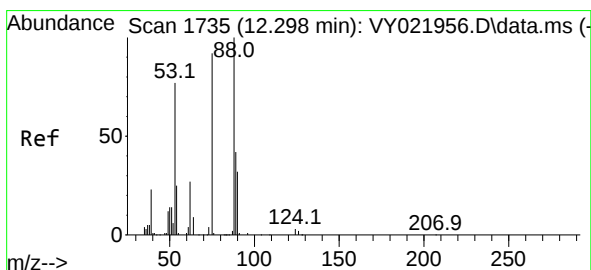
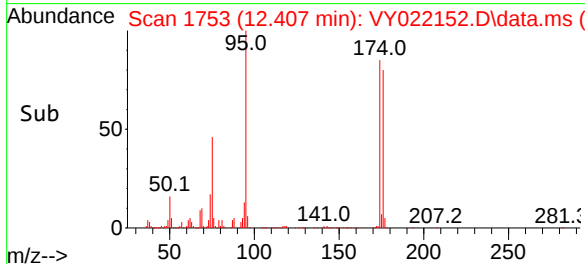
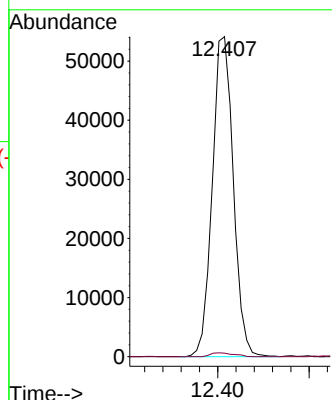
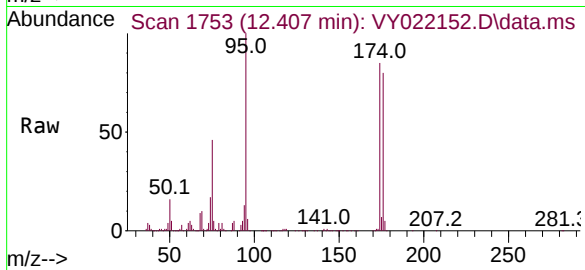




#76
1,2,3-Trichloropropane
Concen: 58.543 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Instrument :
MSVOA_Y
ClientSampleId :
MH-KK-VOC

Tgt Ion: 75 Resp: 86335
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.981 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.109 min
Lab File: VY022152.D
Acq: 05 May 2025 12:24

Tgt Ion: 75 Resp: 86335
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#

