

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022163.D
 Acq On : 05 May 2025 16:42
 Operator : SY/MD
 Sample : Q1956-02
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-4-5

Quant Time: May 06 05:22:51 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)

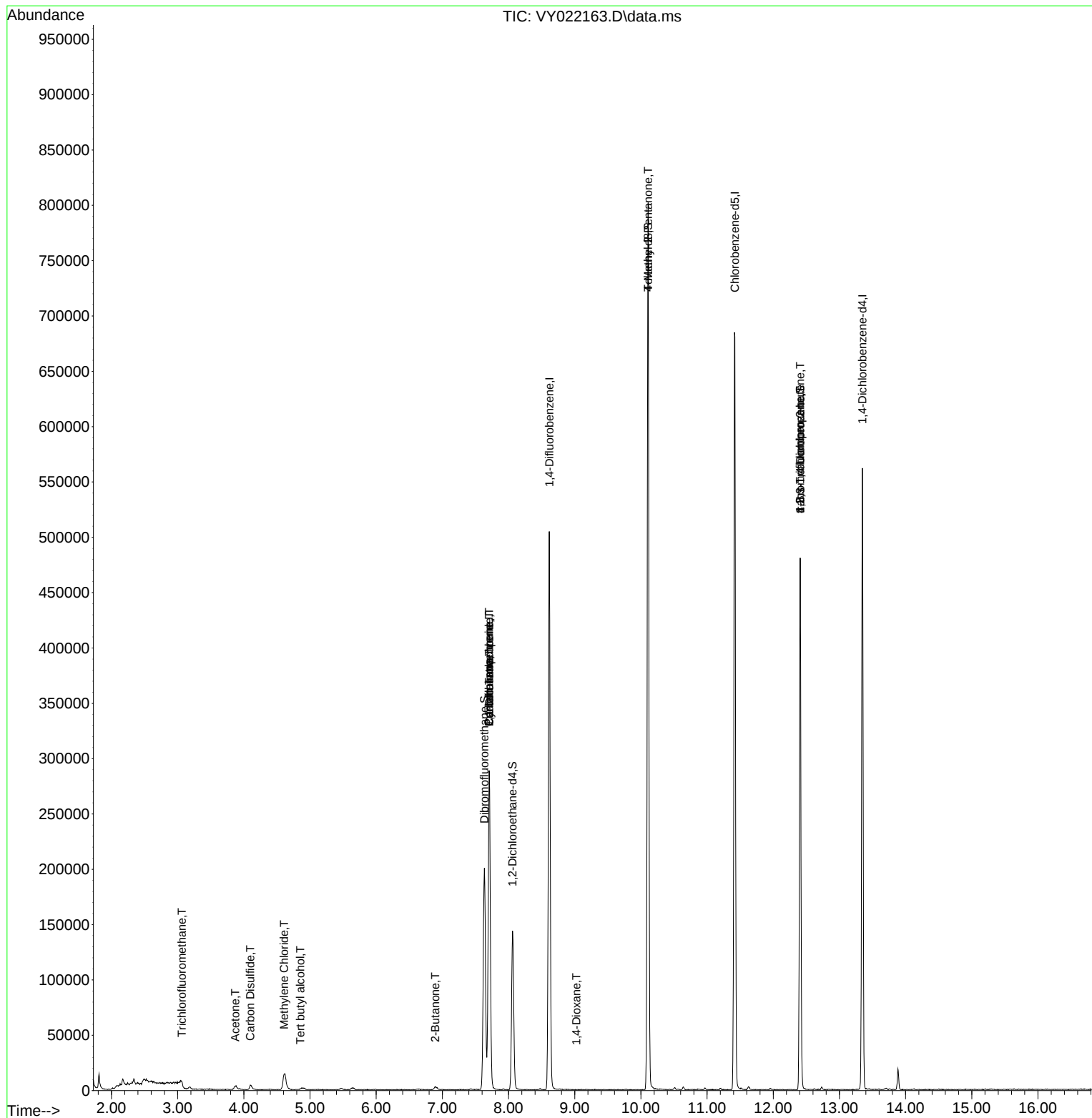
Internal Standards						
1) Pentafluorobenzene	7.707	168	219179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	426674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	385317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	140796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114049	56.334	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.660%			
35) Dibromofluoromethane	7.634	113	145178	51.503	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.000%			
50) Toluene-d8	10.109	98	521278	49.052	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.100%			
62) 4-Bromofluorobenzene	12.407	95	141182	39.464	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.920%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.062	101	5678	1.318	ug/l	91
11) Tert butyl alcohol	4.854	59	830	7.468	ug/l #	70
16) Acetone	3.872	43	6027	1.513	ug/l	94
17) Carbon Disulfide	4.098	76	7554	1.087	ug/l	98
20) Methylene Chloride	4.610	84	12033	4.700	ug/l	92
25) 2-Butanone	6.890	43	702	1.521	ug/l #	85
31) Cyclohexane	7.707	56	4564	1.364	ug/l #	29
36) 1,1-Dichloropropene	7.707	75	16864	4.454	ug/l #	47
38) Carbon Tetrachloride	7.707	117	22138	4.893	ug/l #	17
49) 1,4-Dioxane	9.024	88	19	1.088	ug/l #	28
51) 4-Methyl-2-Pentanone	10.109	43	1980	1.446	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	71995	59.698	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	71995	143.762	ug/l #	16

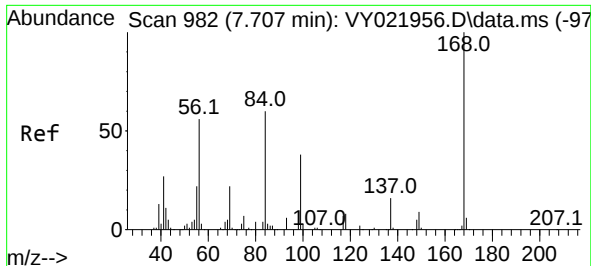
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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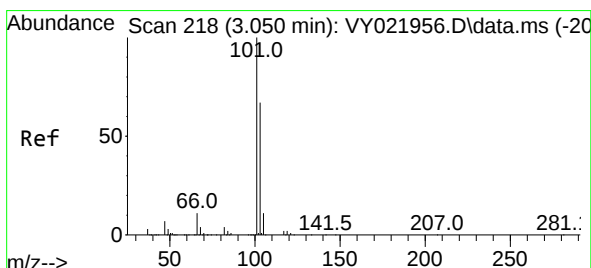
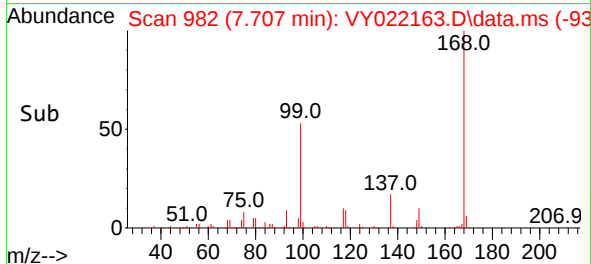
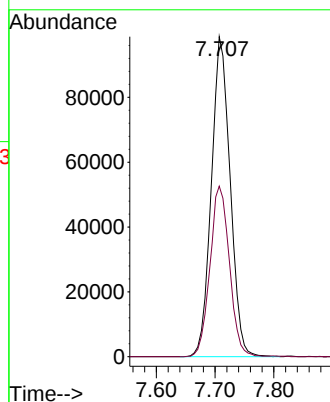
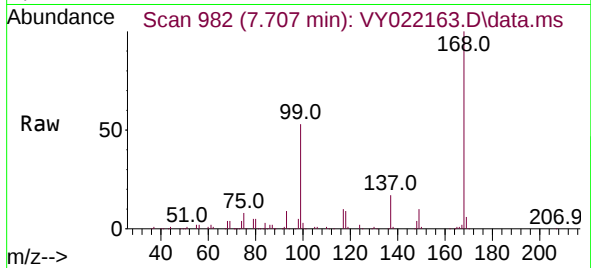




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

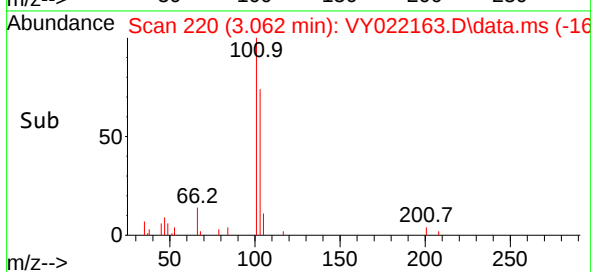
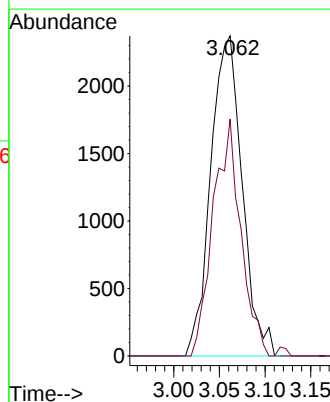
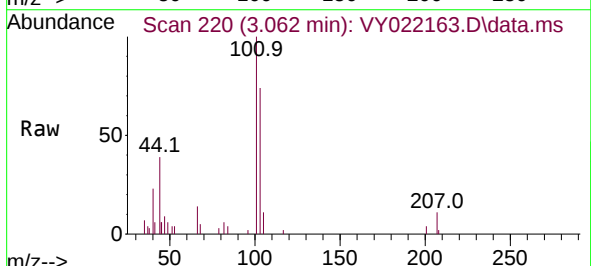
Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

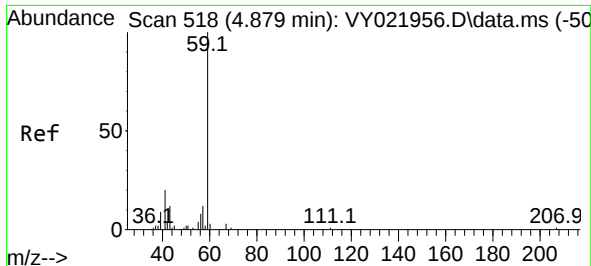
Tgt Ion:168 Resp: 219179
Ion Ratio Lower Upper
168 100
99 53.3 43.1 64.7



#7
Trichlorofluoromethane
Concen: 1.318 ug/l
RT: 3.062 min Scan# 220
Delta R.T. 0.012 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion:101 Resp: 5678
Ion Ratio Lower Upper
101 100
103 74.0 53.6 80.4





#11

Tert butyl alcohol

Concen: 7.468 ug/l

RT: 4.854 min Scan# 518

Delta R.T. -0.025 min

Lab File: VY022163.D

Acq: 05 May 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

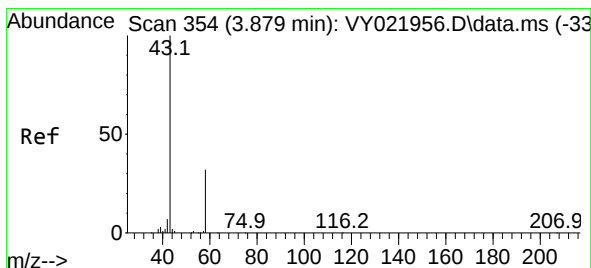
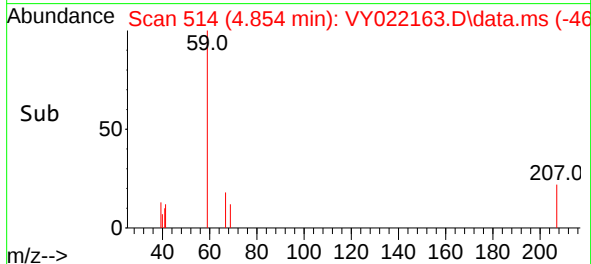
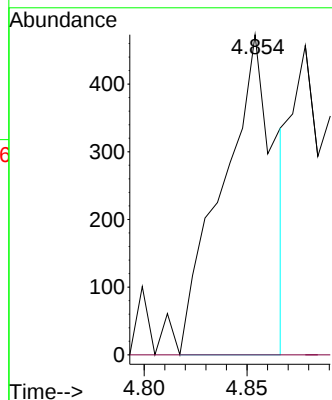
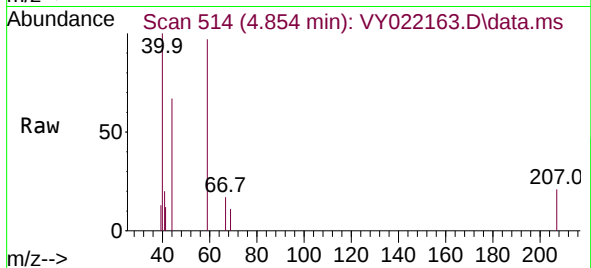
SB2-4-5

Tgt Ion: 59 Resp: 830

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



#16

Acetone

Concen: 1.513 ug/l

RT: 3.872 min Scan# 353

Delta R.T. -0.007 min

Lab File: VY022163.D

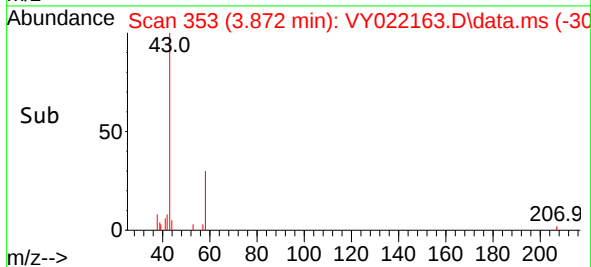
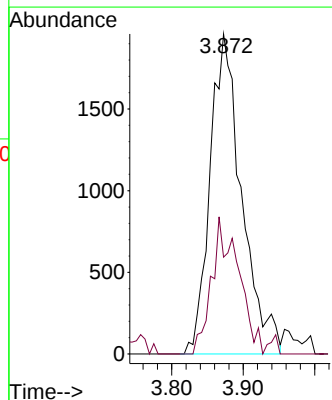
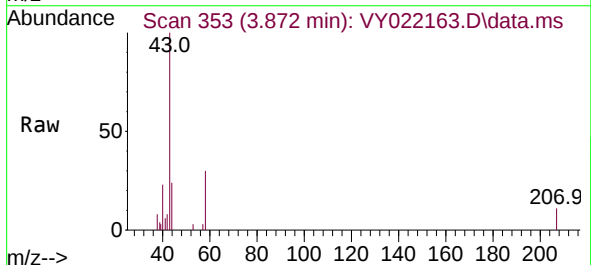
Acq: 05 May 2025 16:42

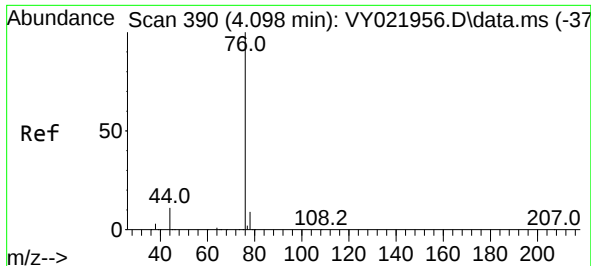
Tgt Ion: 43 Resp: 6027

Ion Ratio Lower Upper

43 100

58 30.3 27.0 40.4

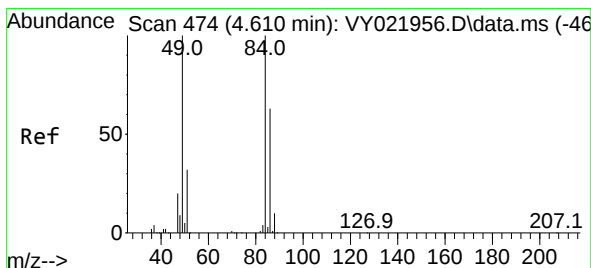
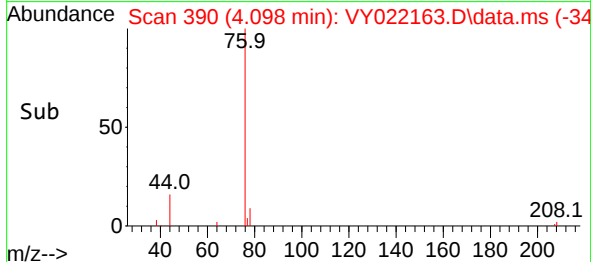
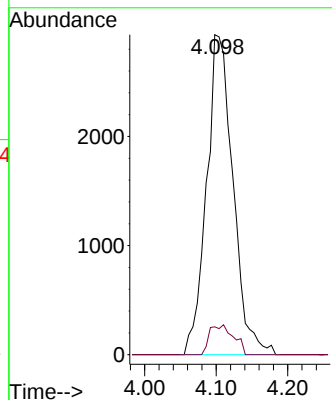
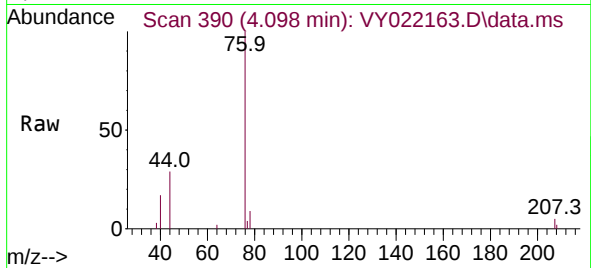




#17
Carbon Disulfide
Concen: 1.087 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

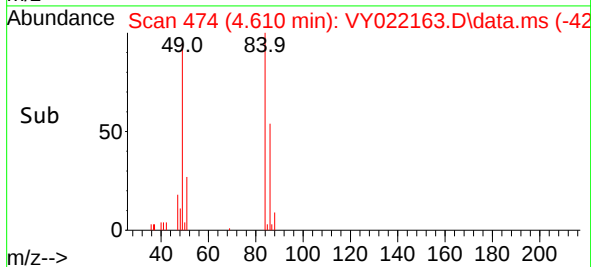
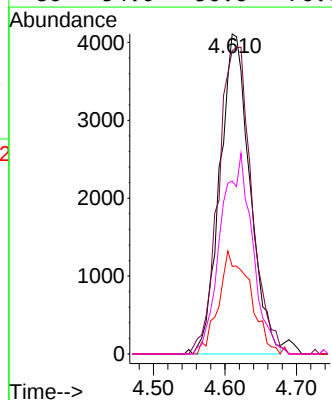
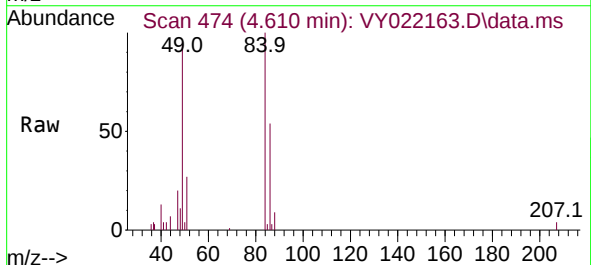
Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

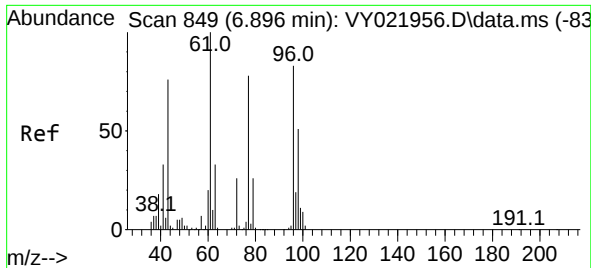
Tgt Ion: 76 Resp: 7554
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4



#20
Methylene Chloride
Concen: 4.700 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion: 84 Resp: 12033
Ion Ratio Lower Upper
84 100
49 94.8 79.9 119.9
51 27.4 25.4 38.0
86 54.0 50.6 76.0





#25

2-Butanone

Concen: 1.521 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY022163.D

Acq: 05 May 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

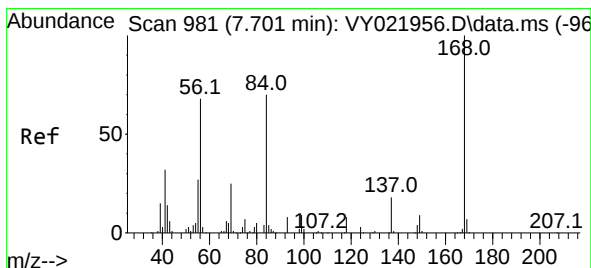
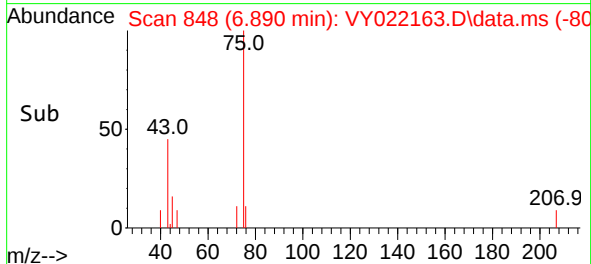
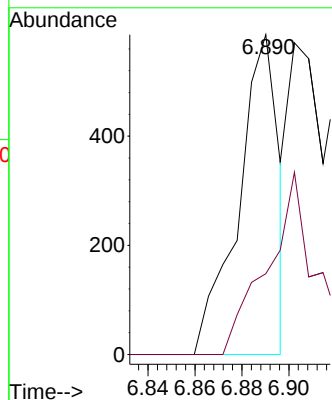
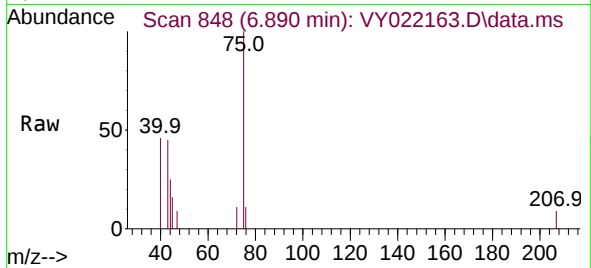
SB2-4-5

Tgt Ion: 43 Resp: 702

Ion Ratio Lower Upper

43 100

72 25.3 27.0 40.4#



#31

Cyclohexane

Concen: 1.364 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY022163.D

Acq: 05 May 2025 16:42

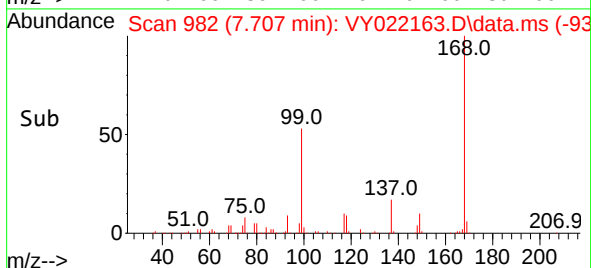
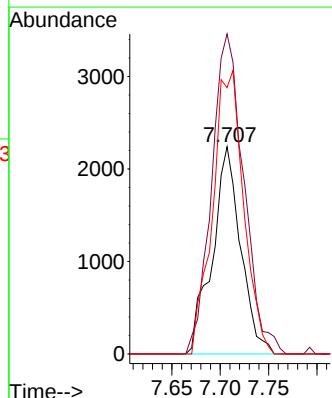
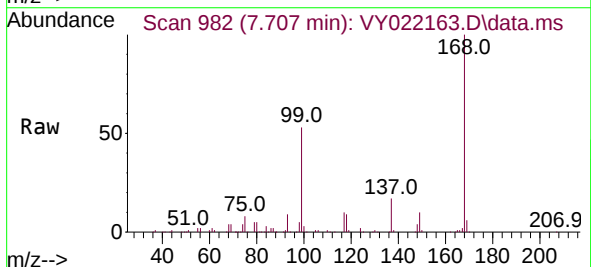
Tgt Ion: 56 Resp: 4564

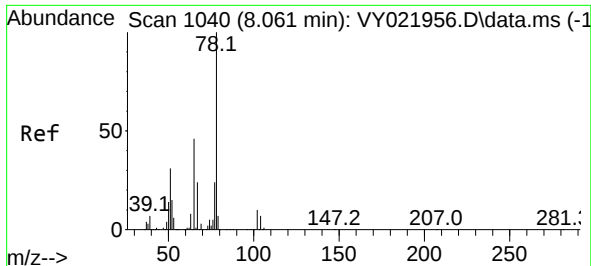
Ion Ratio Lower Upper

56 100

69 154.5 29.4 44.2#

84 128.6 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 56.334 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022163.D

Acq: 05 May 2025 16:42

Instrument :

MSVOA_Y

ClientSampleId :

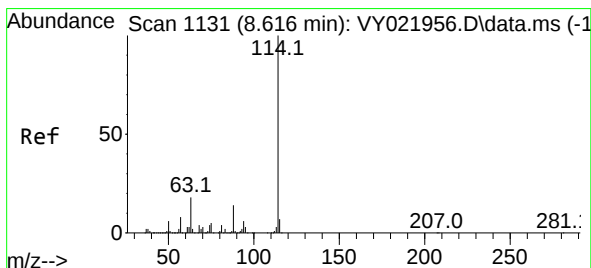
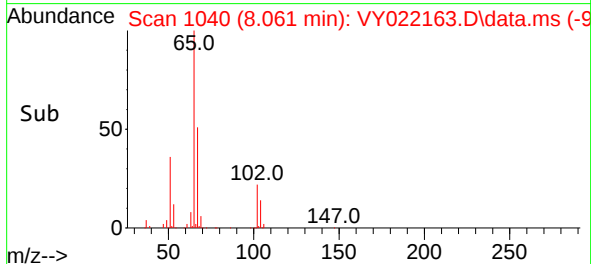
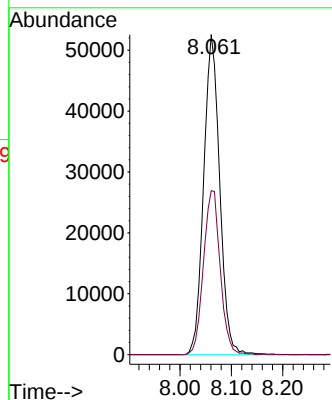
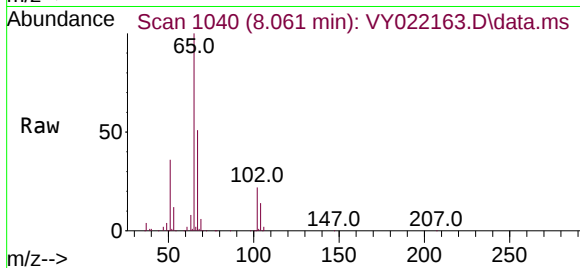
SB2-4-5

Tgt Ion: 65 Resp: 114049

Ion Ratio Lower Upper

65 100

67 53.5 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: VY022163.D

Acq: 05 May 2025 16:42

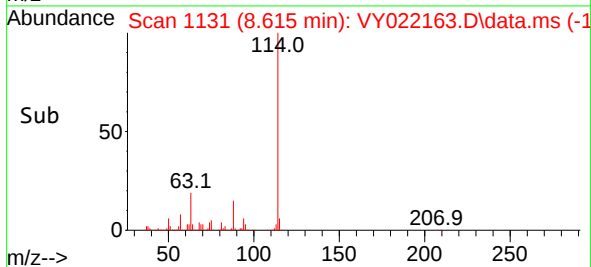
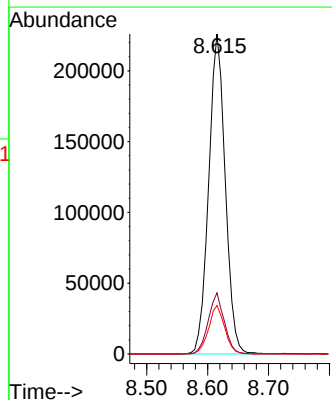
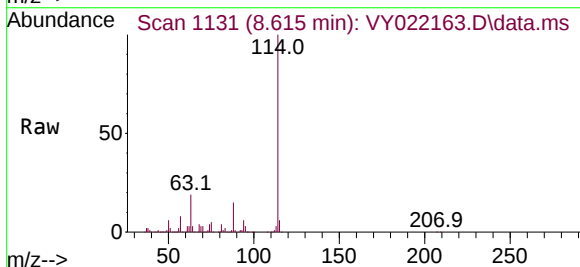
Tgt Ion: 114 Resp: 426674

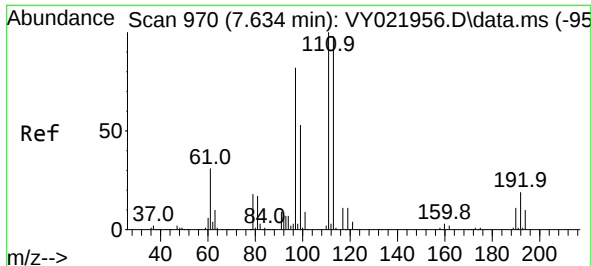
Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.4

88 15.1 0.0 28.2

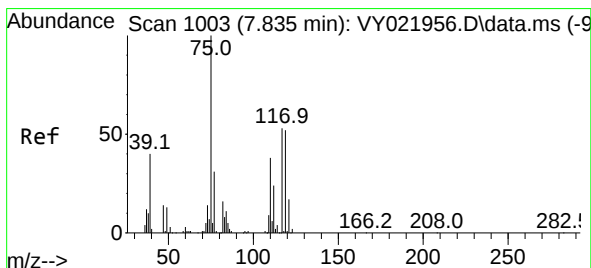
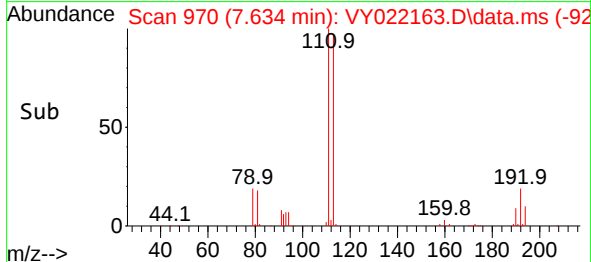
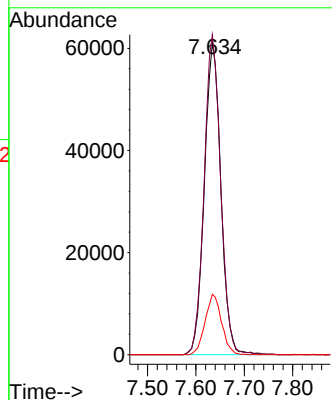
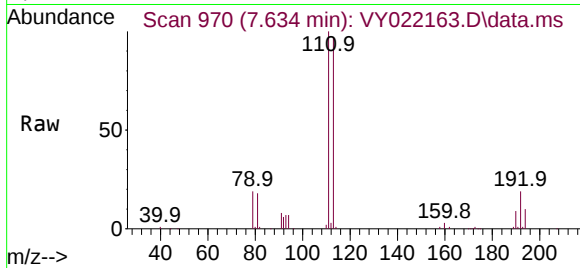




#35
Dibromofluoromethane
Concen: 51.503 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

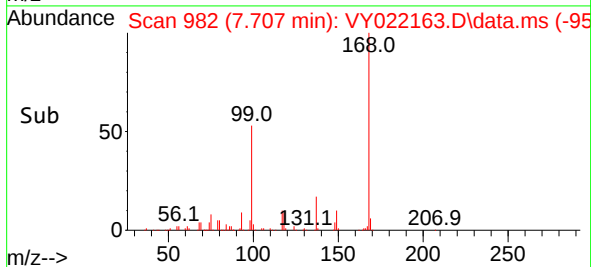
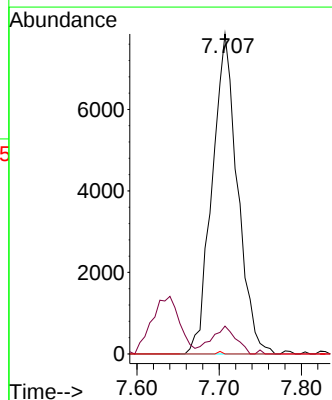
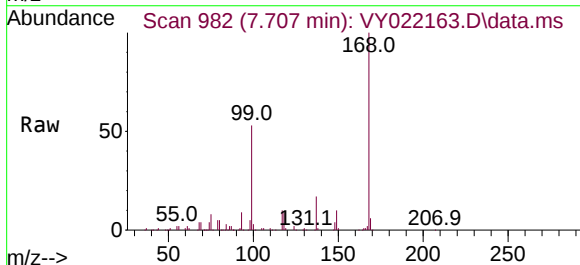
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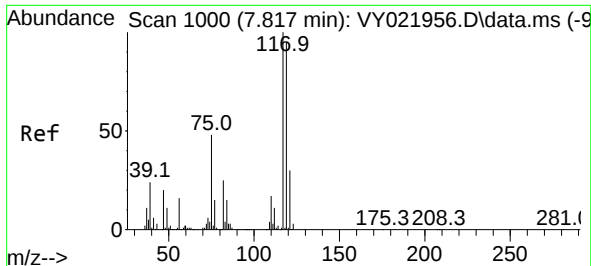
Tgt Ion:113 Resp: 145178
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 19.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.454 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion: 75 Resp: 16864
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.1 25.5 38.3#

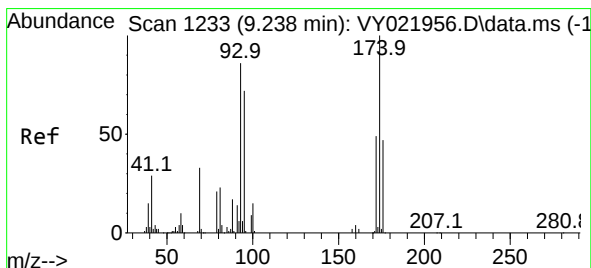
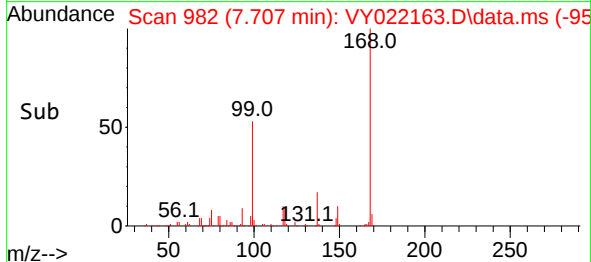
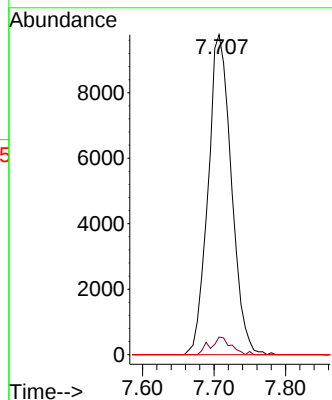
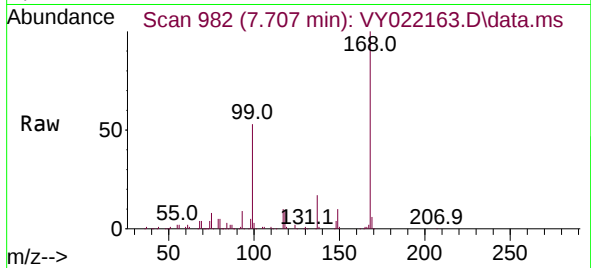




#38
Carbon Tetrachloride
Concen: 4.893 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

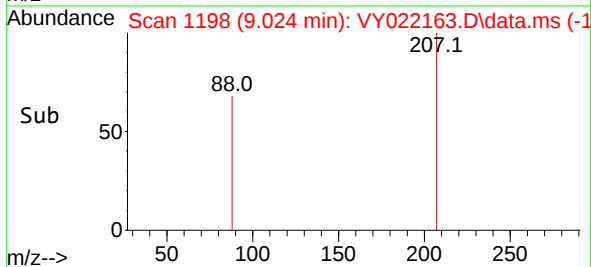
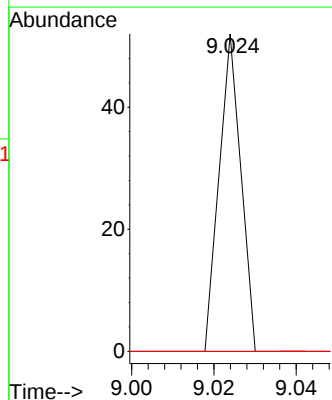
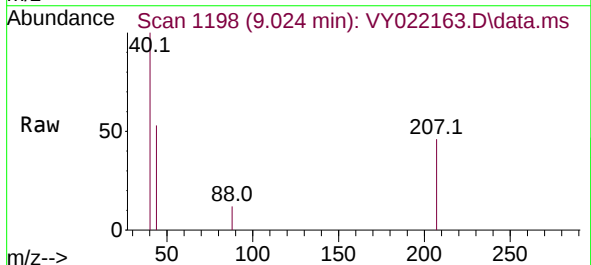
Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

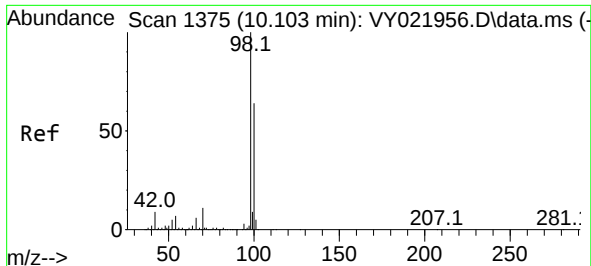
Tgt Ion:117 Resp: 22138
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.4#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 1.088 ug/l
RT: 9.024 min Scan# 1198
Delta R.T. -0.214 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 21.3 31.9#
58 0.0 50.5 75.7#

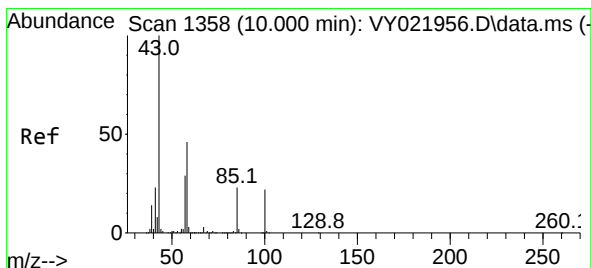
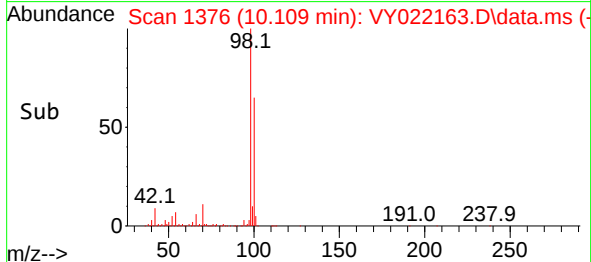
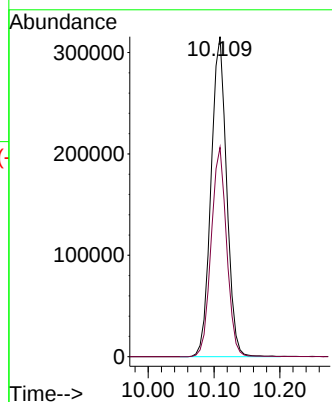
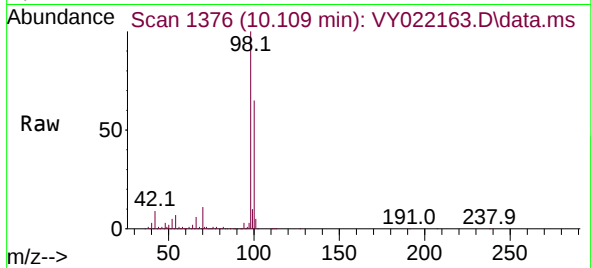




#50
Toluene-d8
Concen: 49.052 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

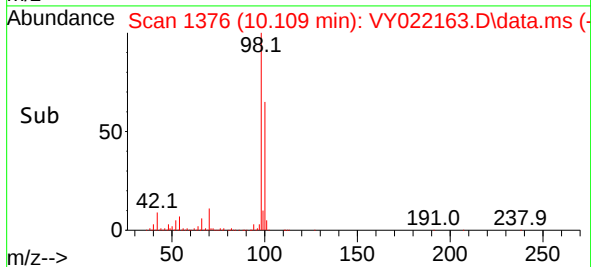
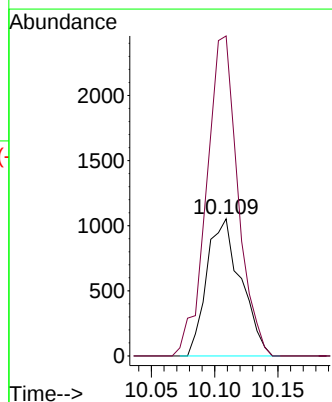
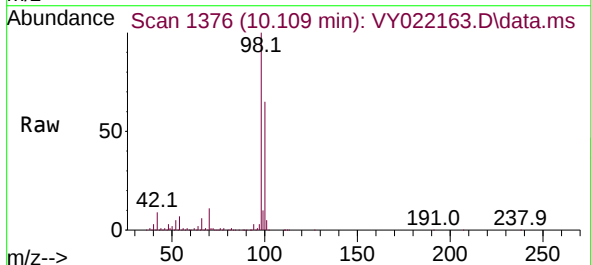
Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

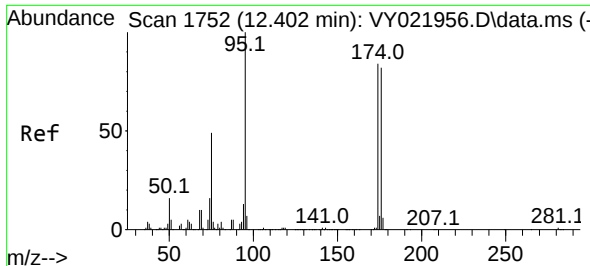
Tgt Ion: 98 Resp: 521278
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.446 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion: 43 Resp: 1980
Ion Ratio Lower Upper
43 100
58 214.0 36.6 55.0#

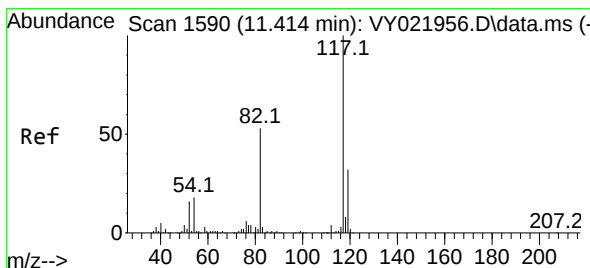
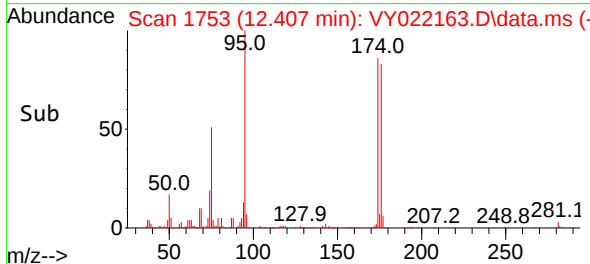
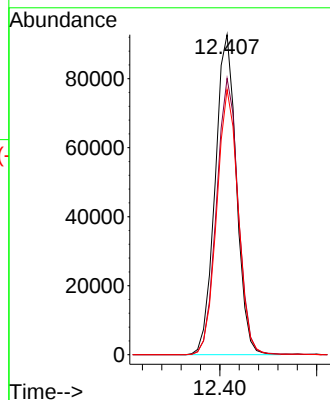
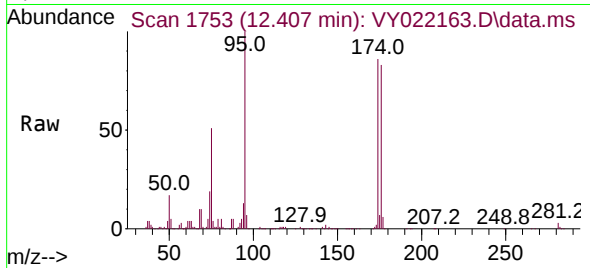




#62
4-Bromofluorobenzene
Concen: 39.464 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

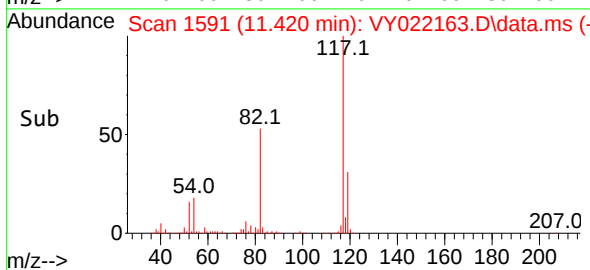
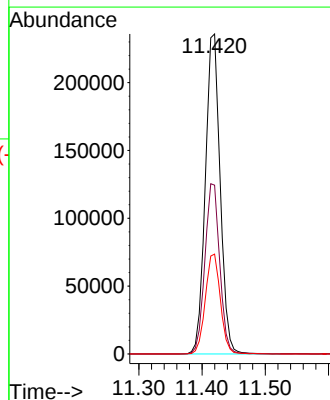
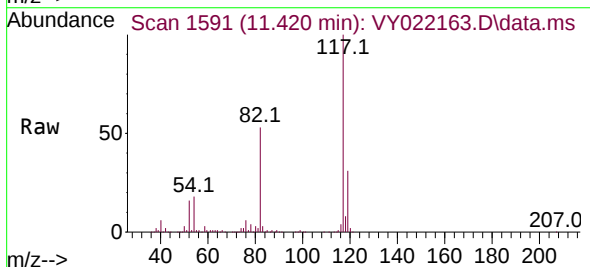
Instrument :
MSVOA_Y
ClientSampleId :
SB2-4-5

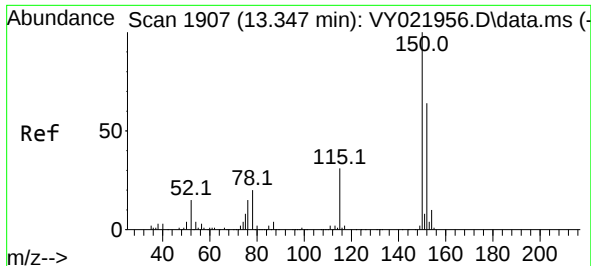
Tgt Ion: 95 Resp: 141182
Ion Ratio Lower Upper
95 100
174 87.9 0.0 179.0
176 83.8 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022163.D
Acq: 05 May 2025 16:42

Tgt Ion: 117 Resp: 385317
Ion Ratio Lower Upper
117 100
82 52.8 42.1 63.1
119 31.2 25.7 38.5

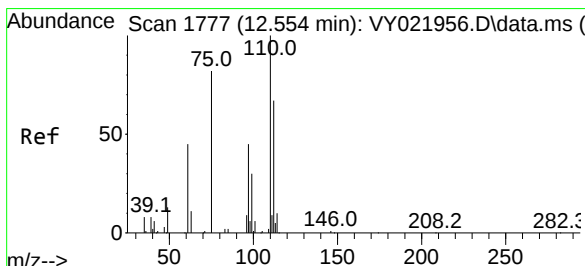
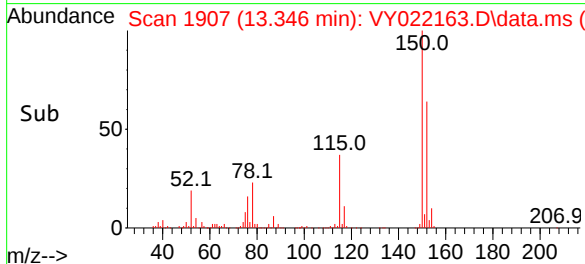
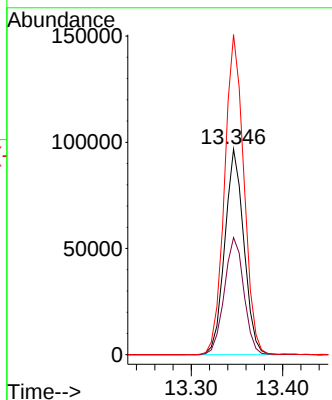
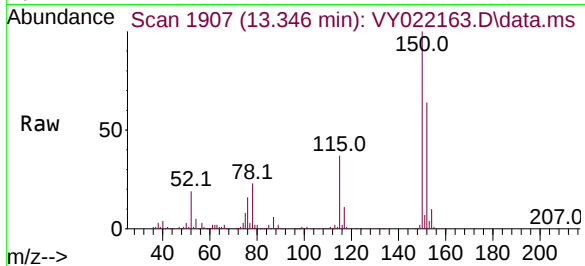




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022163.D
 Acq: 05 May 2025 16:42

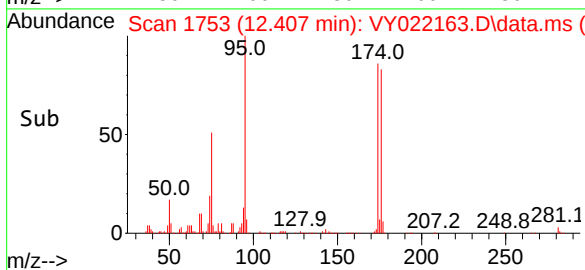
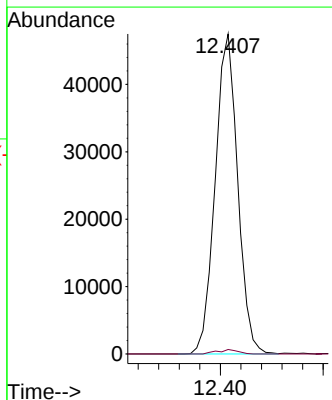
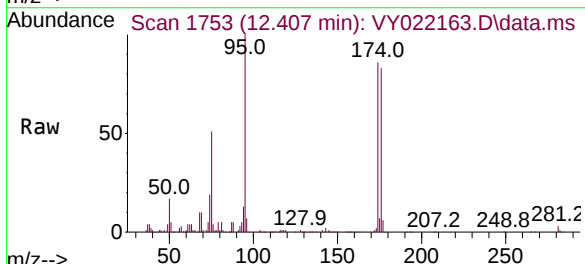
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-4-5

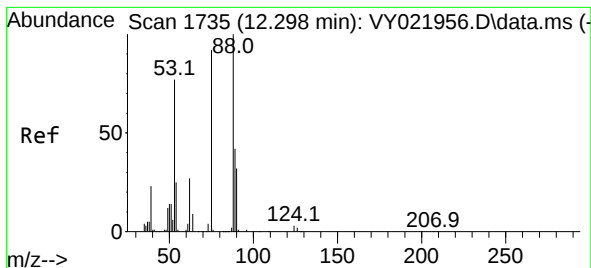
Tgt Ion:152 Resp: 140796
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.0 84.0
 150 157.4 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 59.698 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY022163.D
 Acq: 05 May 2025 16:42

Tgt Ion: 75 Resp: 71995
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.762 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022163.D
 Acq: 05 May 2025 16:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB2-4-5

Tgt Ion: 75 Resp: 71995
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 37.2 55.8#

