

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023976.D
 Acq On : 15 Dec 2025 15:08
 Operator : SY/MD
 Sample : Q3872-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0367

Quant Time: Dec 16 02:16:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.72
34) 1,4-Difluorobenzene	8.640	114	55	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.445	117	224	50.000	ug/l	# 0.02
72) 1,4-Dichlorobenzene-d4	13.212	152	244	50.000	ug/l	-0.14

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.091	65	42	0.000	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	7.659	113	20	55.629	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.260%
50) Toluene-d8	10.128	98	33	24.653	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	49.300%#
62) 4-Bromofluorobenzene	12.426	95	318	711.374	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	1422.740%#

Target Compounds			Qvalue			
37) Ethyl Acetate	7.055	43	72	361.235	ug/l #	67
38) Carbon Tetrachloride	7.762	117	38	64.051	ug/l #	12
39) Methylcyclohexane	9.085	83	26	39.759	ug/l #	21
41) Methacrylonitrile	7.220	41	21	191.521	ug/l #	17
42) 1,2-Dichloroethane	7.963	62	44	112.568	ug/l #	72
43) Isopropyl Acetate	8.207	43	22	58.606	ug/l #	58
45) 1,2-Dichloropropane	9.067	63	38	112.994	ug/l #	43
46) Dibromomethane	9.311	93	104	525.054	ug/l #	9
47) Bromodichloromethane	9.433	83	60	115.147	ug/l #	25
48) Methyl methacrylate	9.238	41	165	944.194	ug/l #	10
51) 4-Methyl-2-Pentanone	10.012	43	78	392.173	ug/l #	34
52) Toluene	10.164	92	22	22.305	ug/l #	1
53) t-1,3-Dichloropropene	10.554	75	21	46.636	ug/l #	1
55) 1,1,2-Trichloroethane	10.591	97	512	1878.048	ug/l #	29
56) Ethyl methacrylate	10.475	69	291	900.389	ug/l #	45
57) 1,3-Dichloropropane	10.841	76	29	65.771	ug/l #	42
59) 2-Hexanone	10.768	43	204	1351.437	ug/l #	22
60) Dibromochloromethane	10.878	129	45	119.222	ug/l #	11
61) 1,2-Dibromoethane	11.042	107	200	791.682	ug/l	90
64) Tetrachloroethene	10.804	164	19	7.896	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	11.408	131	201	110.418	ug/l	94
67) Ethyl Benzene	11.542	91	237	27.252	ug/l #	42
68) m/p-Xylenes	11.627	106	63	18.249	ug/l #	1
69) o-Xylene	11.816	106	56	17.340	ug/l	36
70) Styrene	11.987	104	22	4.217	ug/l #	1
71) Bromoform	12.158	173	51	47.540	ug/l #	1
73) Isopropylbenzene	12.389	105	399	22.376	ug/l	87
74) N-amyl acetate	12.091	43	207	65.445	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.499	83	91	33.515	ug/l #	15
76) 1,2,3-Trichloropropane	12.517	75	25	12.113	ug/l #	100
77) Bromobenzene	12.627	156	3653	825.621	ug/l #	1
78) n-propylbenzene	12.475	91	206	9.929	ug/l	93
79) 2-Chlorotoluene	12.621	91	280	23.759	ug/l	79
80) 1,3,5-Trimethylbenzene	12.688	105	161	11.317	ug/l	65
81) trans-1,4-Dichloro-2-b...	12.359	75	56	61.759	ug/l #	1
82) 4-Chlorotoluene	12.902	91	318	26.211	ug/l	80

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

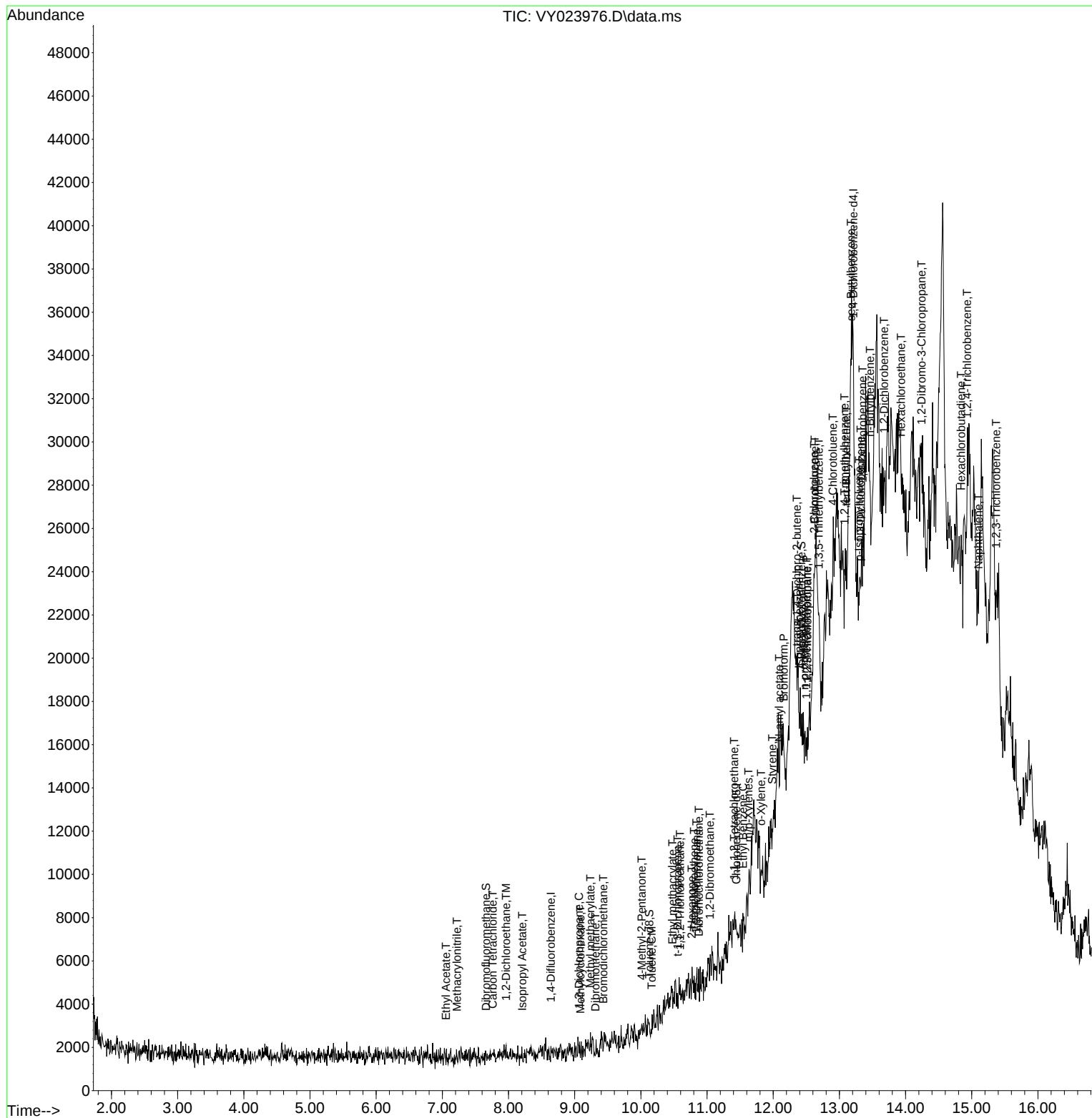
83) tert-Butylbenzene	13.103	119	228	17.346	ug/l	88
84) 1,2,4-Trimethylbenzene	13.078	105	166	11.779	ug/l	76
85) sec-Butylbenzene	13.176	105	332	17.315	ug/l	87
86) p-Isopropyltoluene	13.298	119	155	9.550	ug/l #	27
87) 1,3-Dichlorobenzene	13.322	146	25	2.910	ug/l #	1
88) 1,4-Dichlorobenzene	13.353	146	19	2.243	ug/l #	1
89) n-Butylbenzene	13.462	91	347	24.438	ug/l	79
90) Hexachloroethane	13.932	117	111	33.516	ug/l	70
91) 1,2-Dichlorobenzene	13.676	146	232	31.164	ug/l #	41
92) 1,2-Dibromo-3-Chloropr...	14.243	75	77	183.160	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.932	180	38	8.685	ug/l #	1
94) Hexachlorobutadiene	14.840	225	24	8.368	ug/l #	19
95) Naphthalene	15.102	128	416	61.488	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.371	180	73	19.606	ug/l #	1

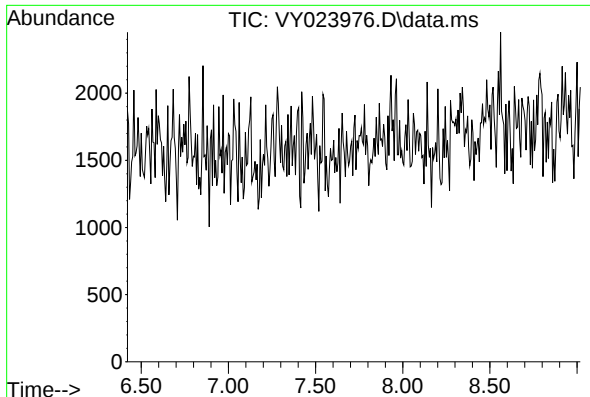
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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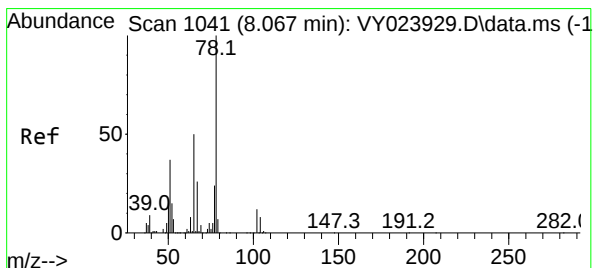
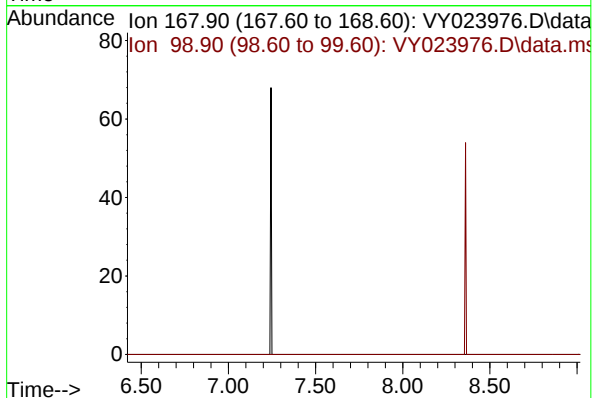


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.72 min

Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

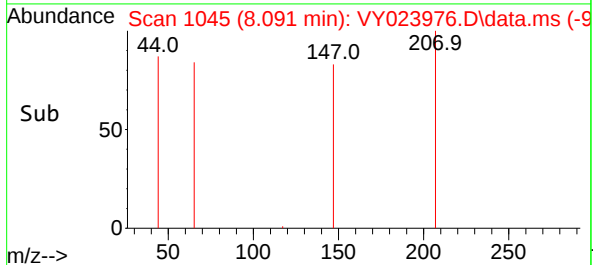
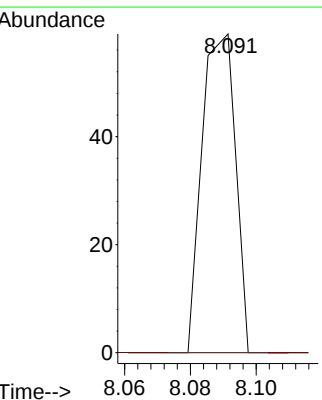
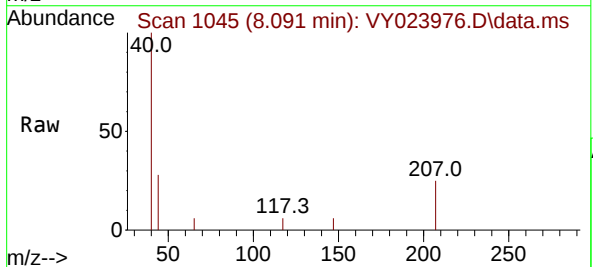
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0367

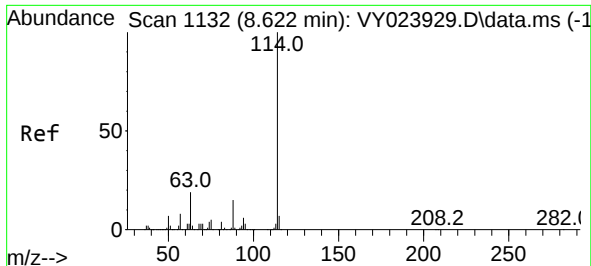
Tgt Ion: 168
Sig Exp Ratio
168 100
99 48.6



#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
RT: 8.091 min Scan# 1045
Delta R.T. 0.025 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 65 Resp: 42
Ion Ratio Lower Upper
65 100
67 0.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.640 min Scan# 1135

Delta R.T. 0.018 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

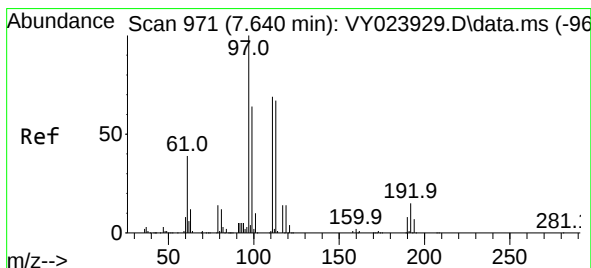
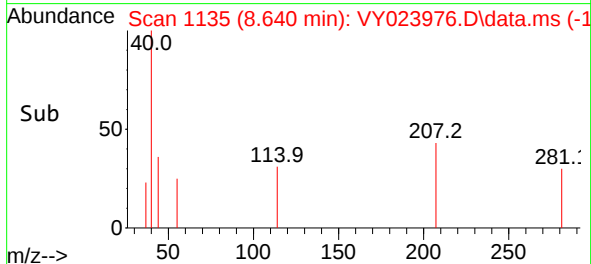
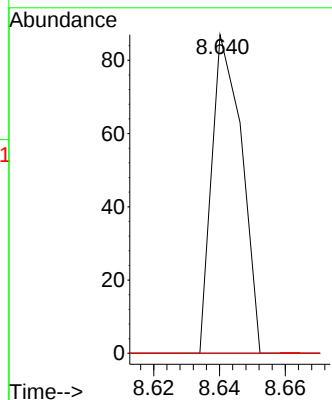
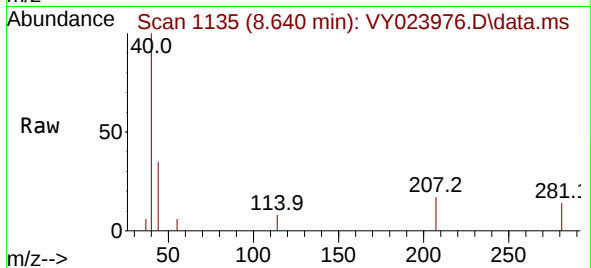
Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

Tgt Ion:	114	Resp:	55
Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	37.2
88	0.0	0.0	29.4



#35

Dibromofluoromethane

Concen: 55.629 ug/l

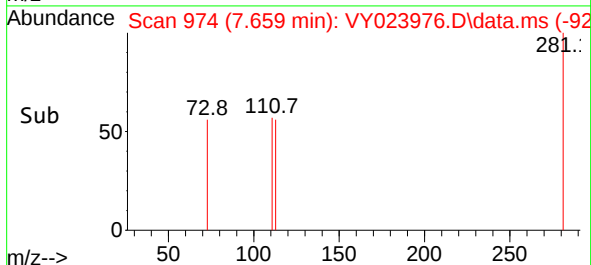
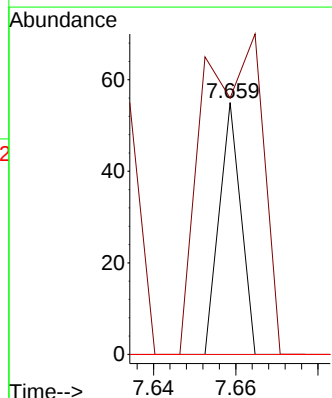
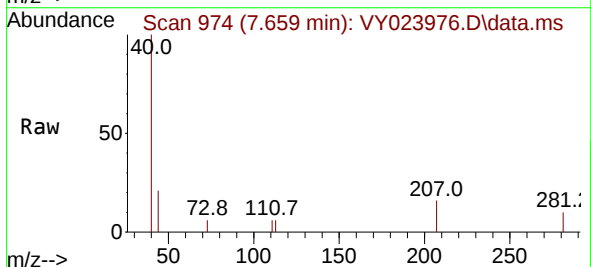
RT: 7.659 min Scan# 974

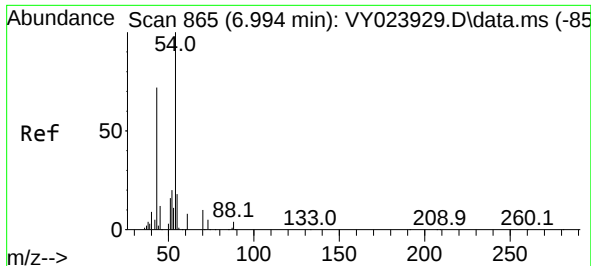
Delta R.T. 0.018 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Tgt Ion:	113	Resp:	20
Ion	Ratio	Lower	Upper
113	100		
111	350.0	82.4	123.6#
192	0.0	17.9	26.9#





#37

Ethyl Acetate

Concen: 361.235 ug/l

RT: 7.055 min Scan# 81

Delta R.T. 0.061 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

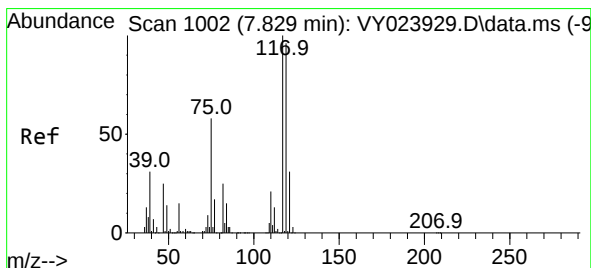
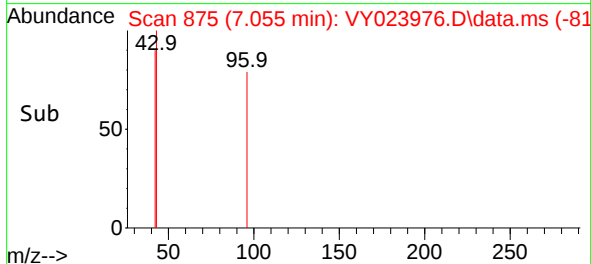
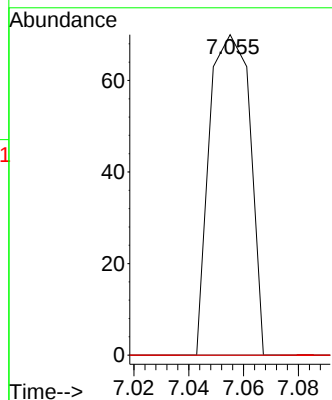
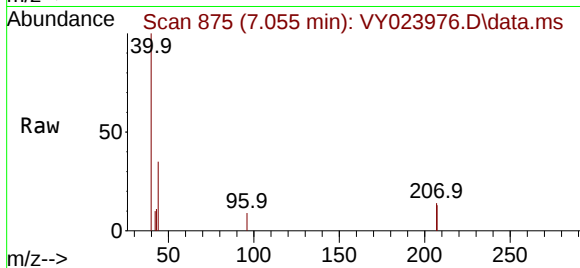
Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

70 0.0 9.2 13.8#



#38

Carbon Tetrachloride

Concen: 64.051 ug/l

RT: 7.762 min Scan# 991

Delta R.T. -0.067 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

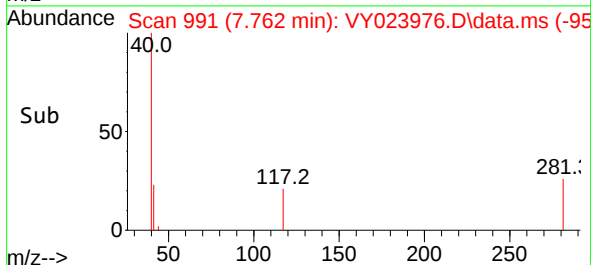
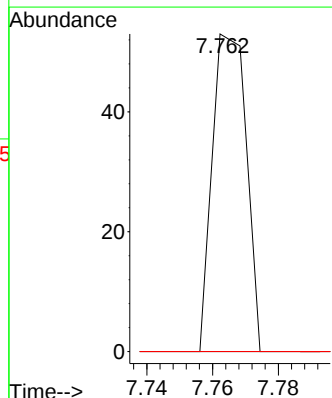
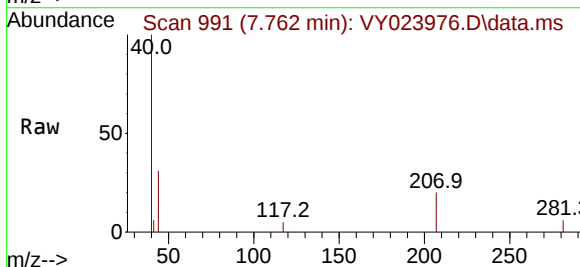
Tgt Ion: 117 Resp: 38

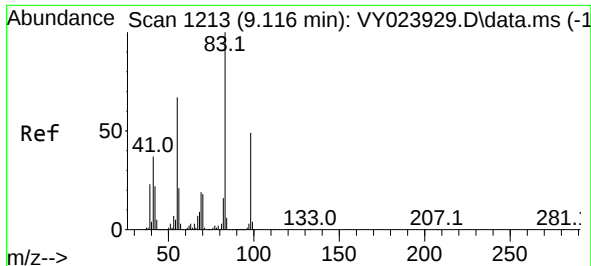
Ion Ratio Lower Upper

117 100

119 0.0 76.6 114.8#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 39.759 ug/l

RT: 9.085 min Scan# 11

Delta R.T. -0.030 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

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MOO-25-0367

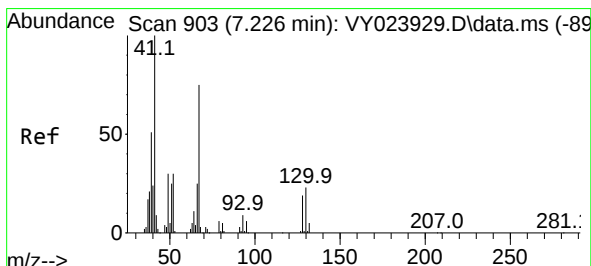
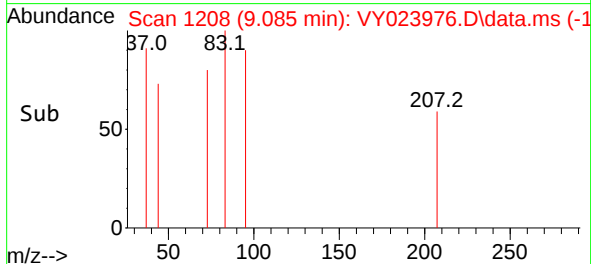
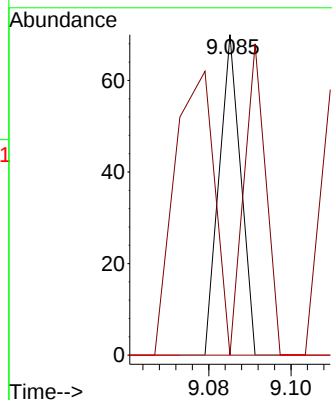
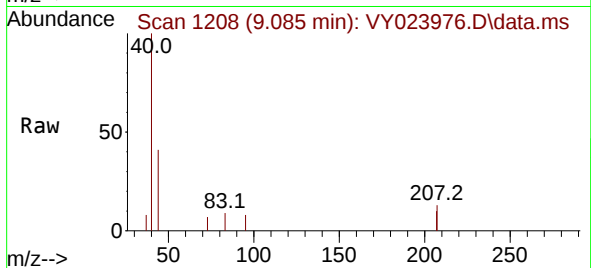
Tgt Ion: 83 Resp: 26

Ion Ratio Lower Upper

83 100

55 0.0 53.4 80.0#

98 0.0 39.2 58.8#



#41

Methacrylonitrile

Concen: 191.521 ug/l

RT: 7.220 min Scan# 902

Delta R.T. -0.006 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Tgt Ion: 41 Resp: 21

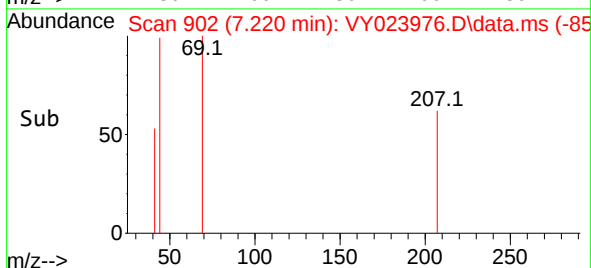
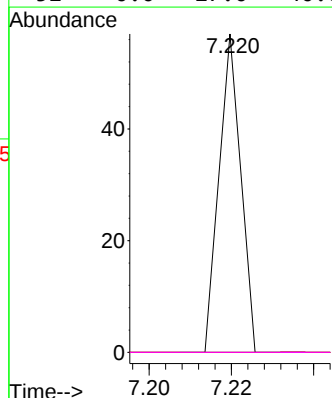
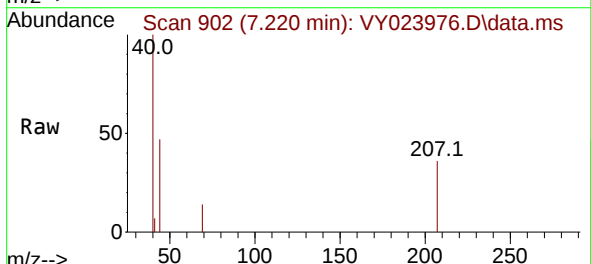
Ion Ratio Lower Upper

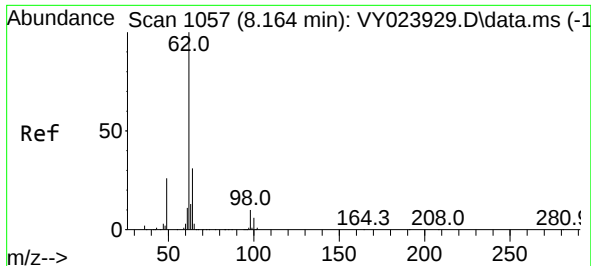
41 100

39 0.0 50.6 75.8#

67 0.0 68.0 102.0#

52 0.0 27.0 40.6#





#42

1,2-Dichloroethane

Concen: 112.568 ug/l

RT: 7.963 min Scan# 1024

Delta R.T. -0.201 min

Lab File: VY023976.D

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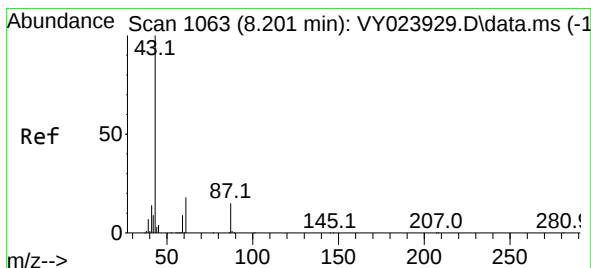
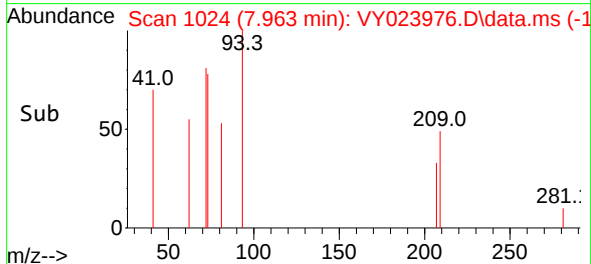
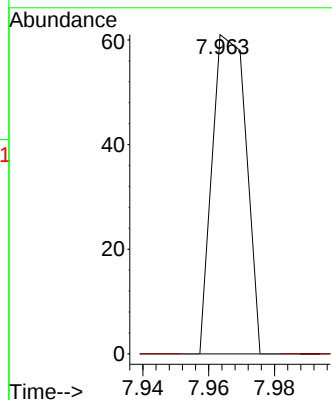
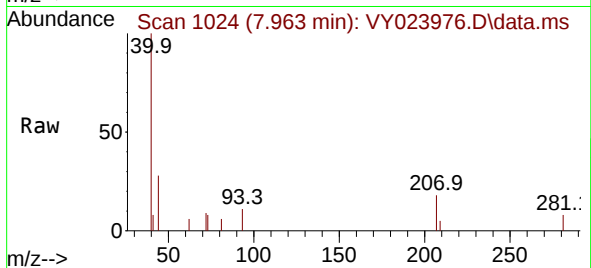
MOO-25-0367

Tgt Ion: 62 Resp: 44

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 58.606 ug/l

RT: 8.207 min Scan# 1064

Delta R.T. 0.006 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

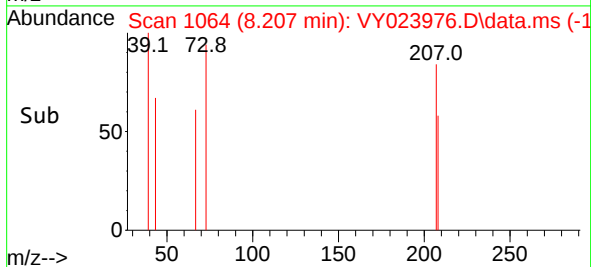
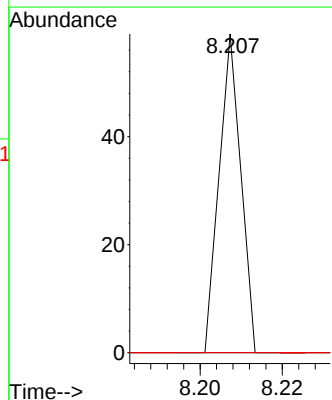
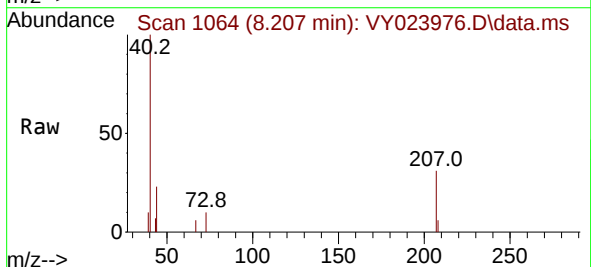
Tgt Ion: 43 Resp: 22

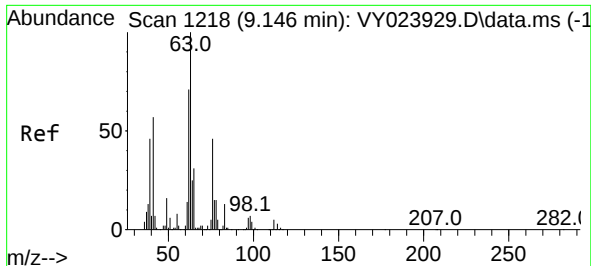
Ion Ratio Lower Upper

43 100

61 0.0 17.4 26.2#

87 0.0 12.3 18.5#





#45

1,2-Dichloropropane

Concen: 112.994 ug/l

RT: 9.067 min Scan# 11

Delta R.T. -0.079 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

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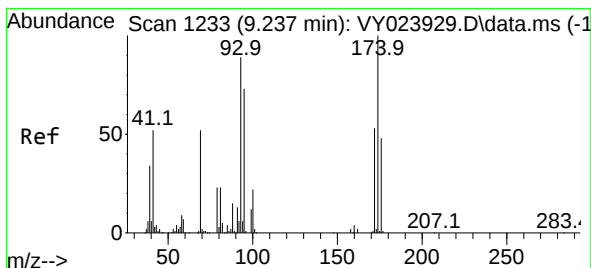
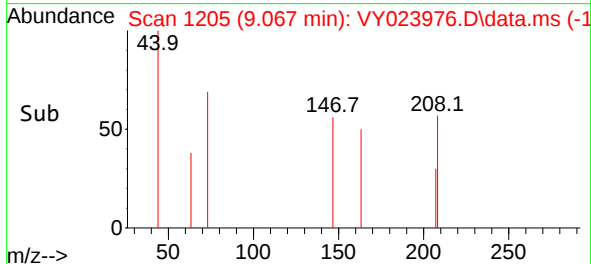
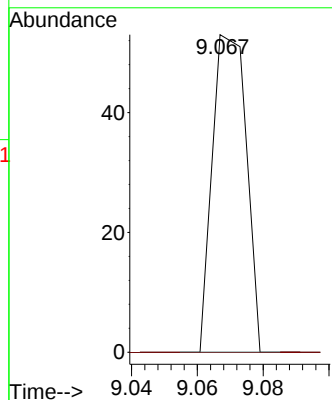
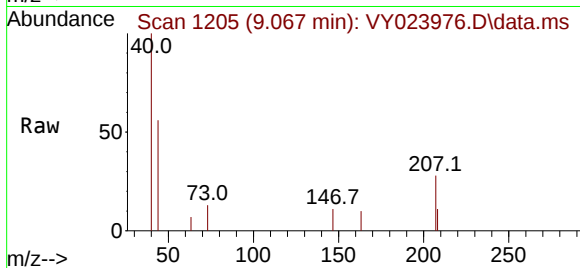
MOO-25-0367

Tgt Ion: 63 Resp: 38

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#46

Dibromomethane

Concen: 525.054 ug/l

RT: 9.311 min Scan# 1245

Delta R.T. 0.073 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

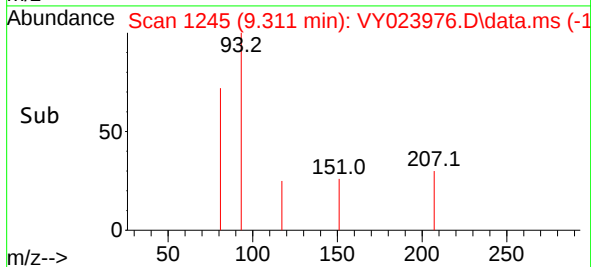
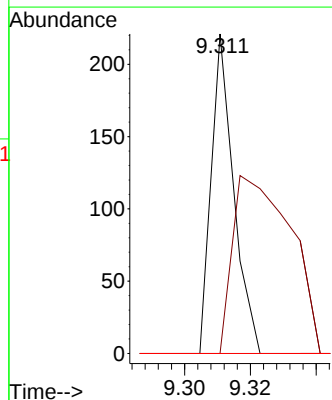
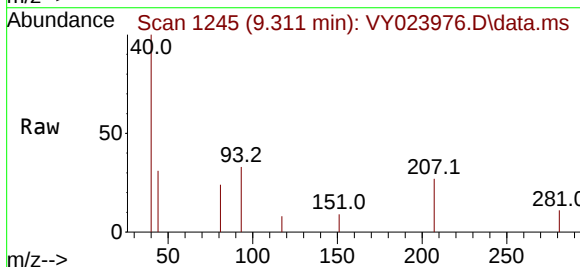
Tgt Ion: 93 Resp: 104

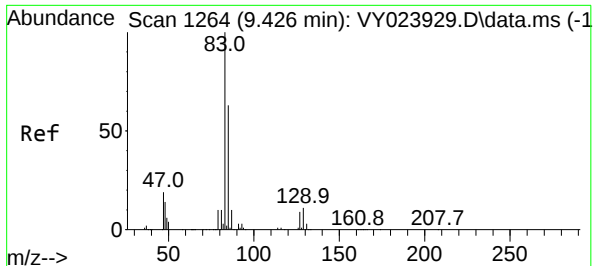
Ion Ratio Lower Upper

93 100

95 145.2 65.1 97.7#

174 0.0 90.6 136.0#





#47

Bromodichloromethane

Concen: 115.147 ug/l

RT: 9.433 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

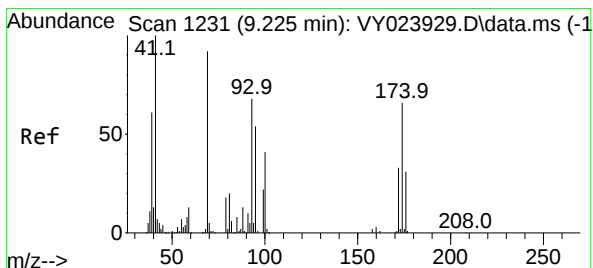
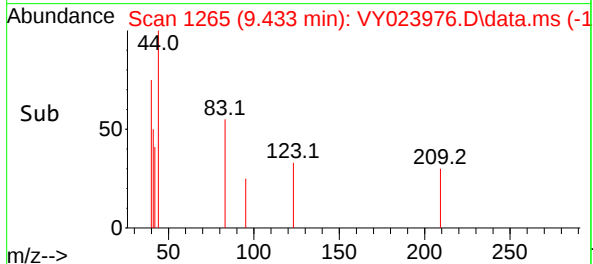
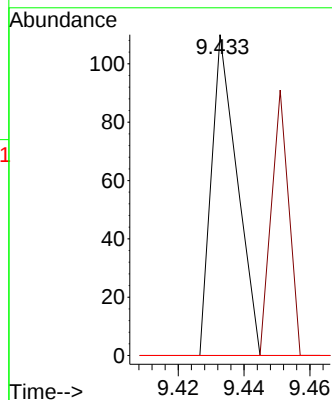
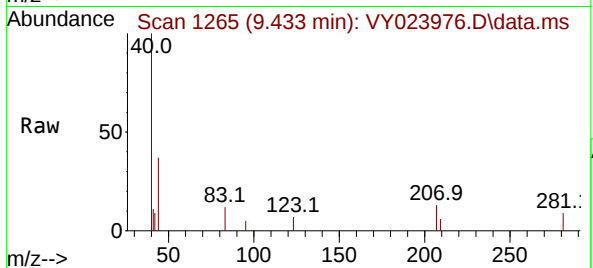
Tgt Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

85 0.0 50.7 76.1#

127 0.0 7.0 10.4#



#48

Methyl methacrylate

Concen: 944.194 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.012 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

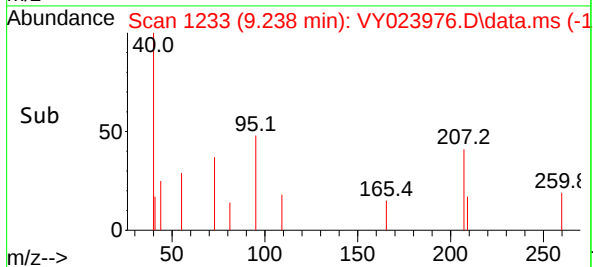
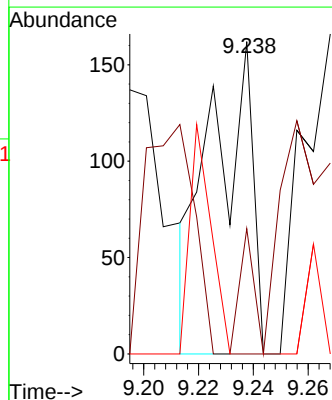
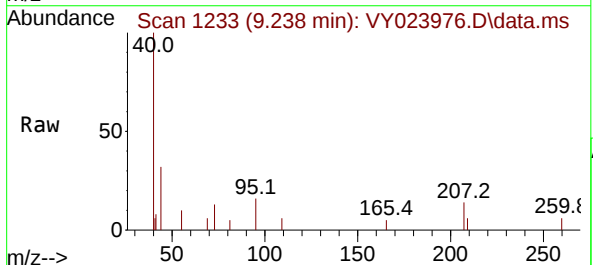
Tgt Ion: 41 Resp: 165

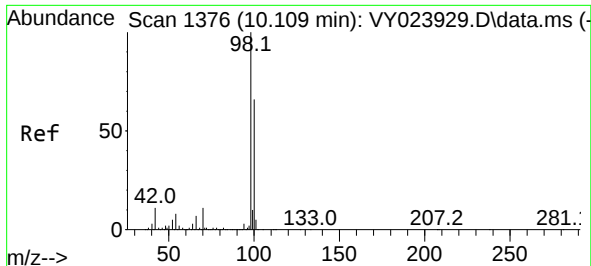
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 47.4 71.2#

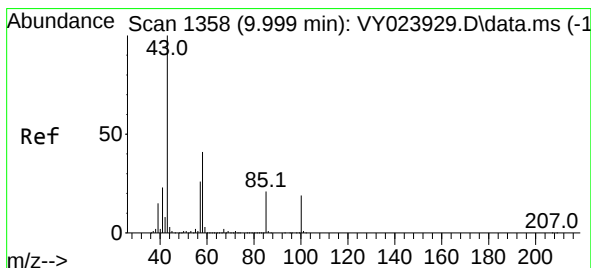
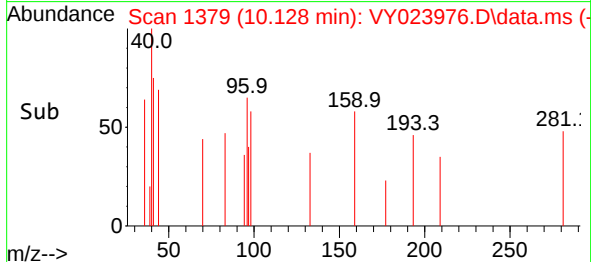
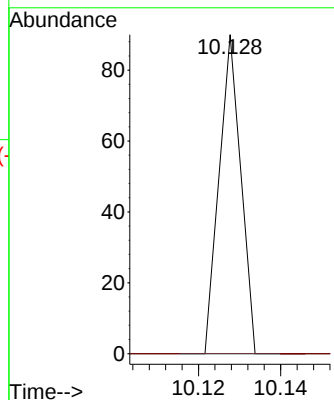
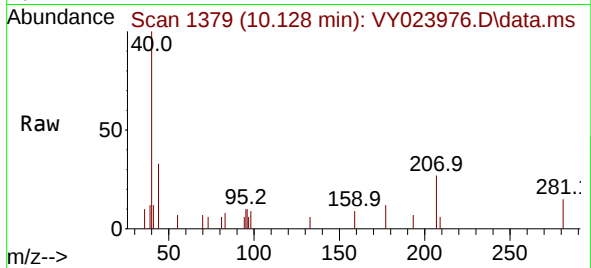




#50
Toluene-d8
Concen: 24.653 ug/l
RT: 10.128 min Scan# 1379
Delta R.T. 0.018 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

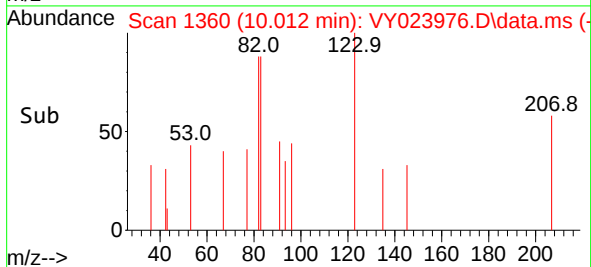
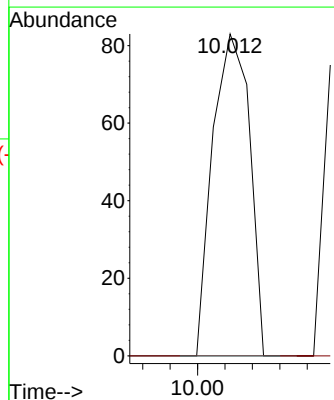
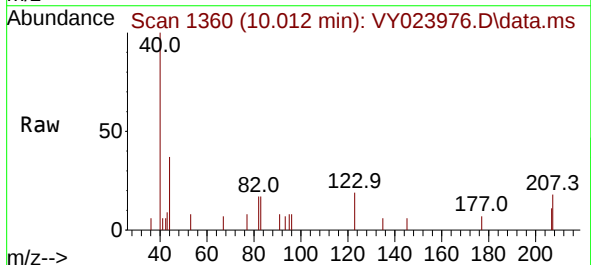
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0367

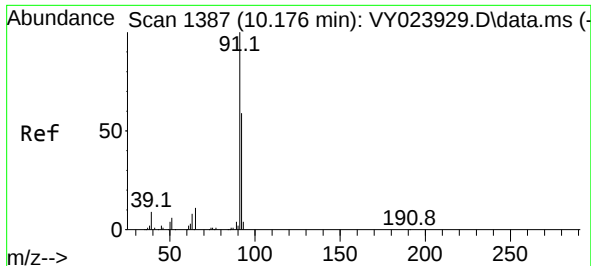
Tgt Ion: 98 Resp: 33
Ion Ratio Lower Upper
98 100
100 0.0 52.8 79.2#



#51
4-Methyl-2-Pentanone
Concen: 392.173 ug/l
RT: 10.012 min Scan# 1360
Delta R.T. 0.012 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

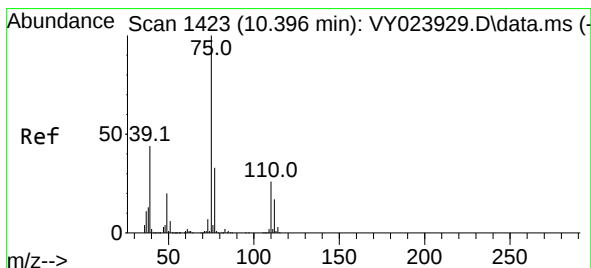
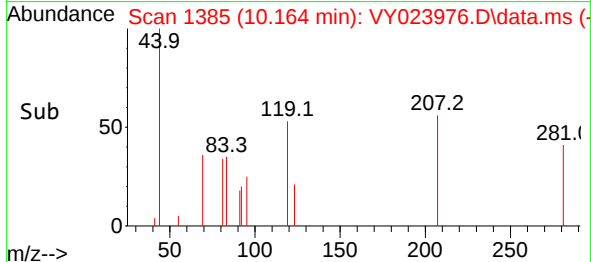
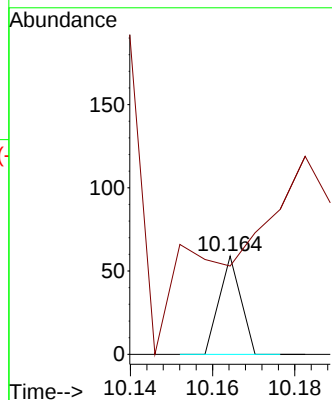
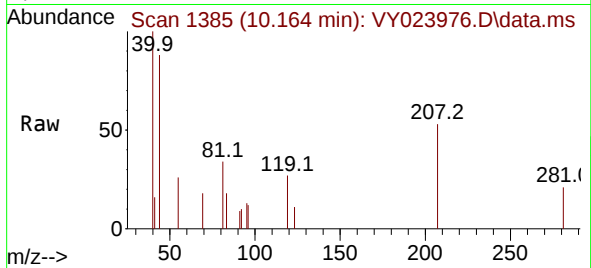




#52
Toluene
Concen: 22.305 ug/l
RT: 10.164 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

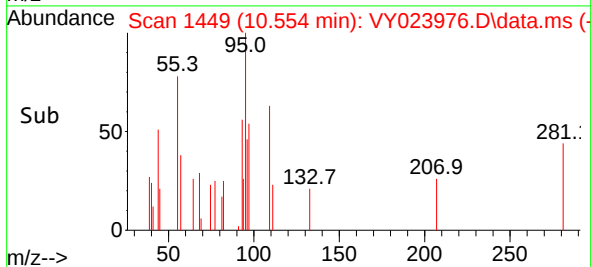
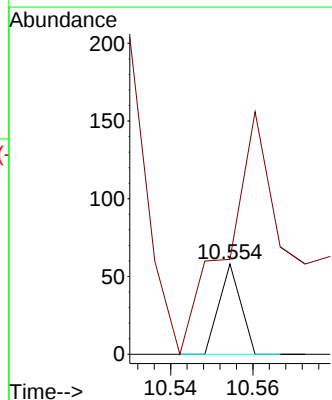
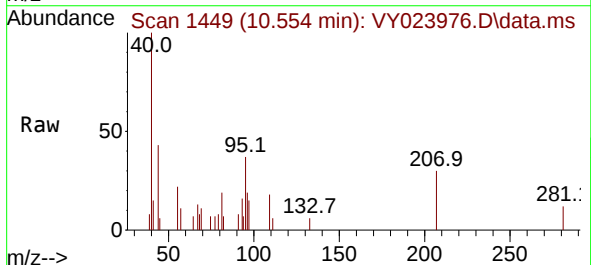
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0367

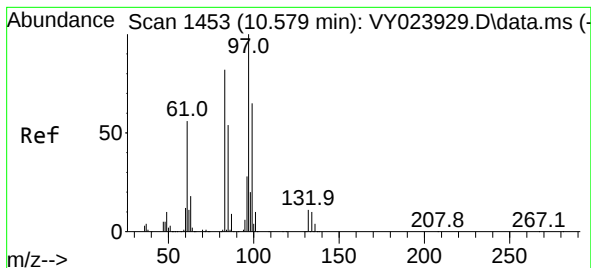
Tgt Ion: 92 Resp: 22
Ion Ratio Lower Upper
92 100
91 809.1 135.8 203.6#



#53
t-1,3-Dichloropropene
Concen: 46.636 ug/l
RT: 10.554 min Scan# 1449
Delta R.T. 0.159 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 105.2 26.1 39.1#

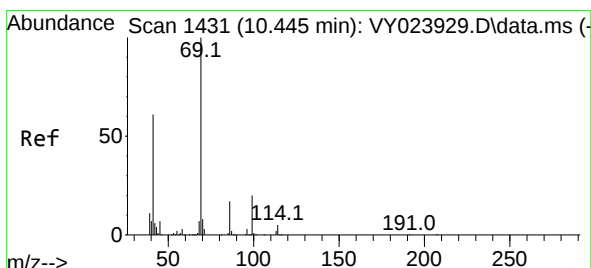
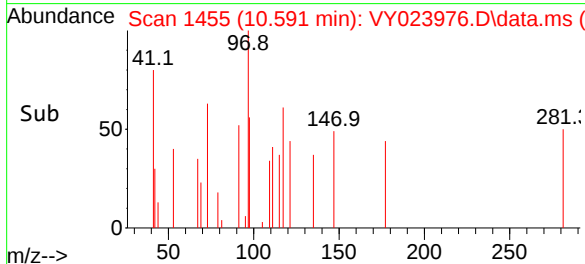
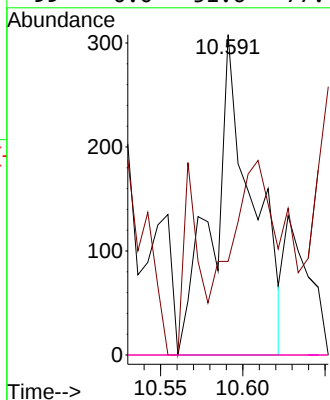
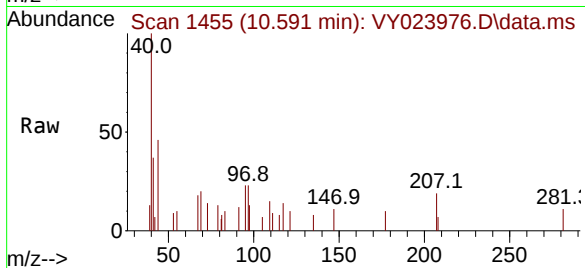




#55
 1,1,2-Trichloroethane
 Concen: 1878.048 ug/l
 RT: 10.591 min Scan# 1455
 Delta R.T. 0.012 min
 Lab File: VY023976.D
 Acq: 15 Dec 2025 15:08

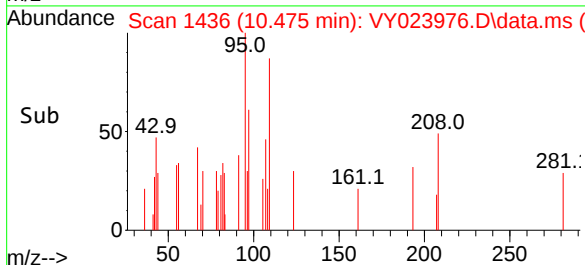
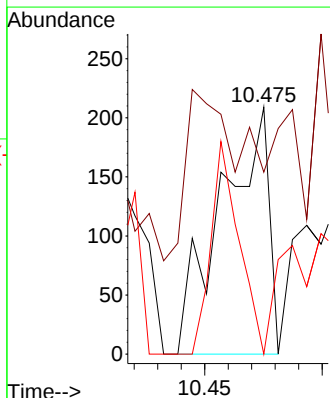
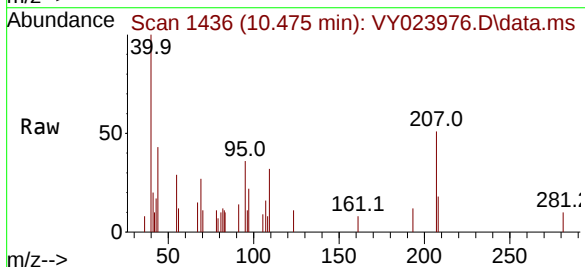
Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0367

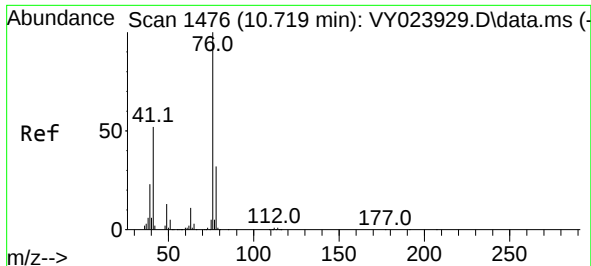
Tgt Ion: 97	Resp:	512
Ion	Ratio	Lower Upper
97	100	
83	29.2	65.8 98.6#
85	0.0	43.1 64.7#
99	0.0	51.6 77.4#



#56
 Ethyl methacrylate
 Concen: 900.389 ug/l
 RT: 10.475 min Scan# 1436
 Delta R.T. 0.031 min
 Lab File: VY023976.D
 Acq: 15 Dec 2025 15:08

Tgt Ion: 69	Resp:	291
Ion	Ratio	Lower Upper
69	100	
41	0.0	49.0 73.4#
39	28.9	29.1 43.7#





#57

1,3-Dichloropropane

Concen: 65.771 ug/l

RT: 10.841 min Scan# 1496

Delta R.T. 0.122 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

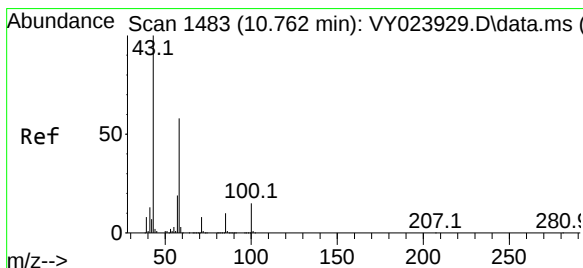
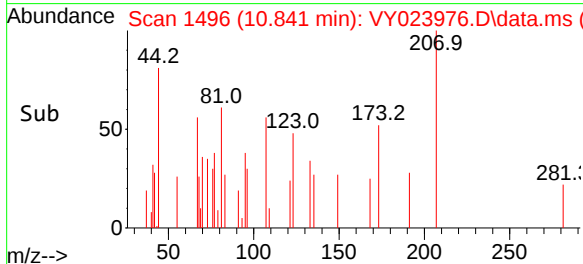
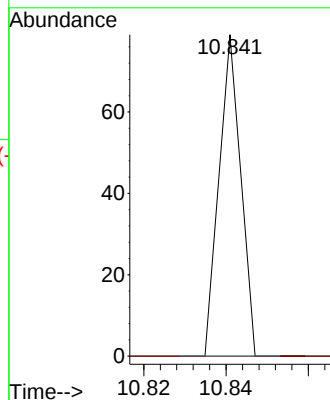
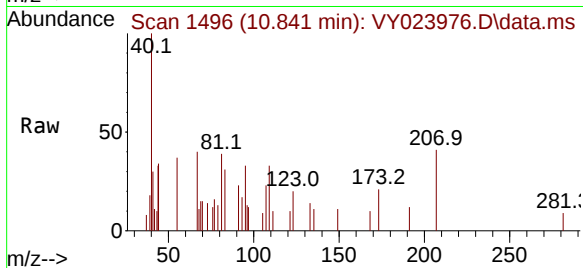
MOO-25-0367

Tgt Ion: 76 Resp: 29

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 1351.437 ug/l

RT: 10.768 min Scan# 1484

Delta R.T. 0.006 min

Lab File: VY023976.D

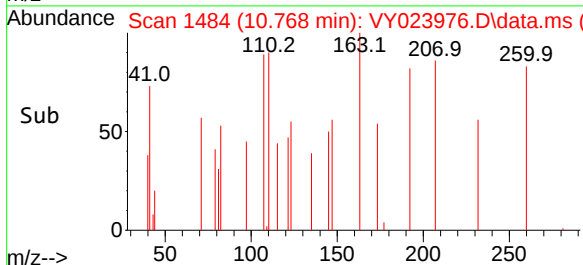
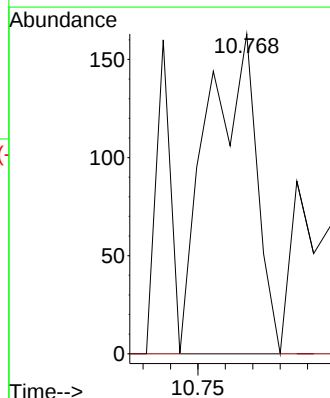
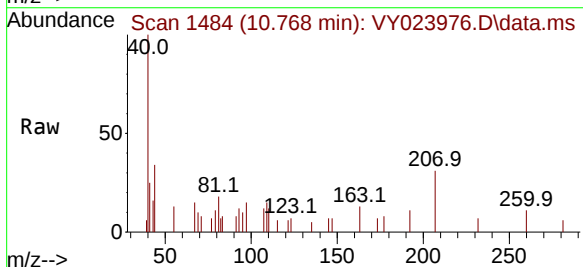
Acq: 15 Dec 2025 15:08

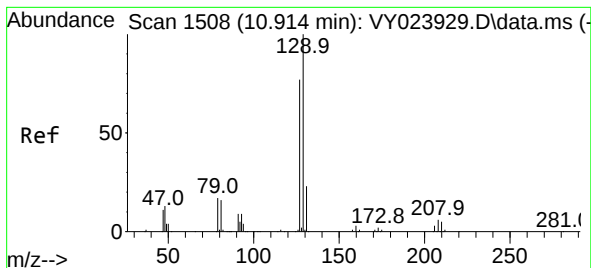
Tgt Ion: 43 Resp: 204

Ion Ratio Lower Upper

43 100

58 0.0 29.0 87.0#





#60

Dibromochloromethane

Concen: 119.222 ug/l

RT: 10.878 min Scan# 1502

Delta R.T. -0.036 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

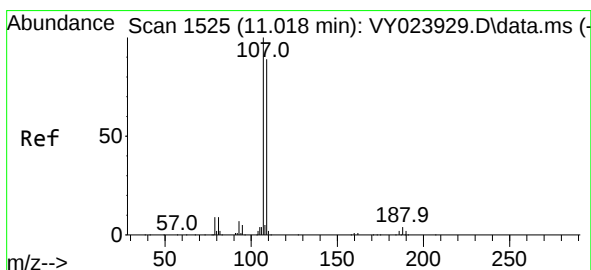
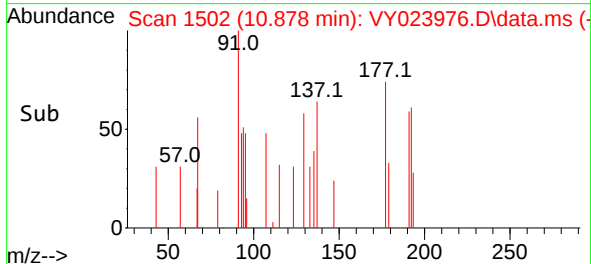
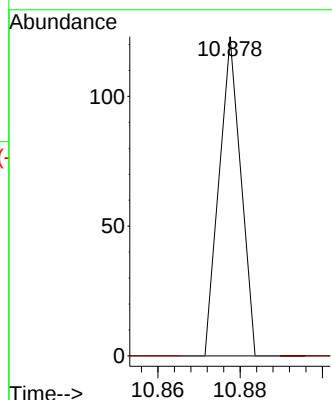
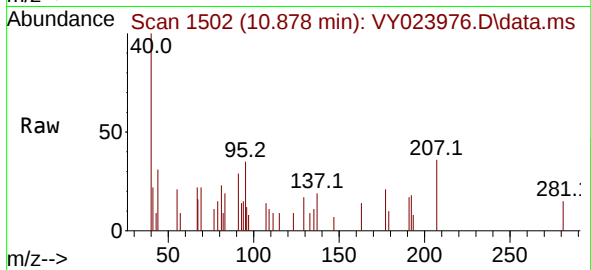
MOO-25-0367

Tgt Ion:129 Resp: 45

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.5#



#61

1,2-Dibromoethane

Concen: 791.682 ug/l

RT: 11.042 min Scan# 1529

Delta R.T. 0.025 min

Lab File: VY023976.D

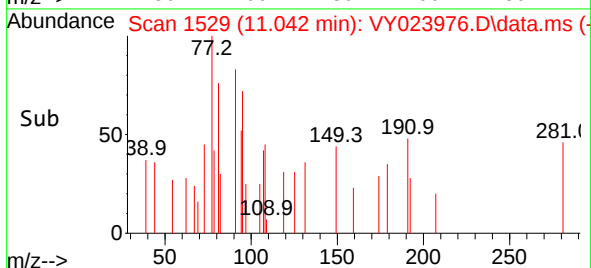
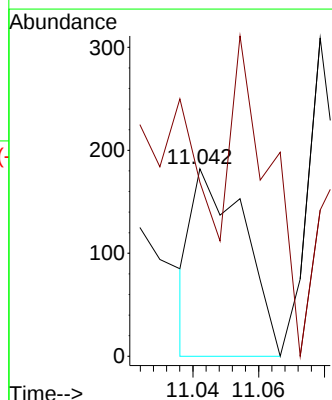
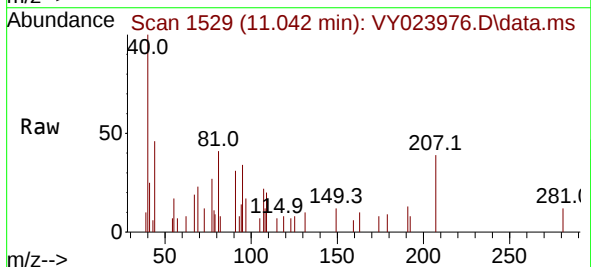
Acq: 15 Dec 2025 15:08

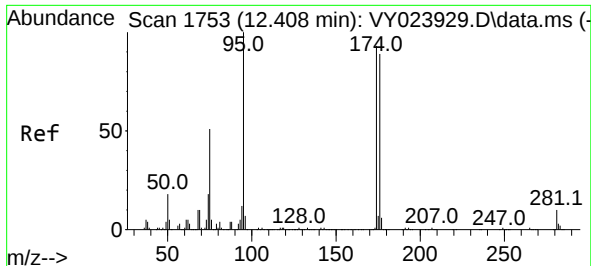
Tgt Ion:107 Resp: 200

Ion Ratio Lower Upper

107 100

109 84.0 75.3 112.9

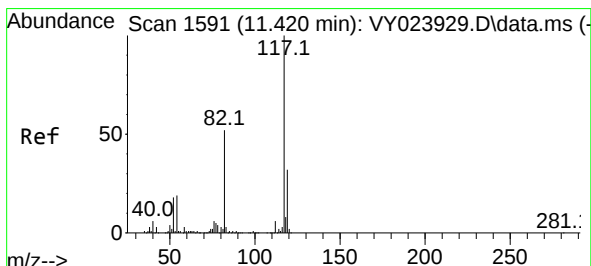
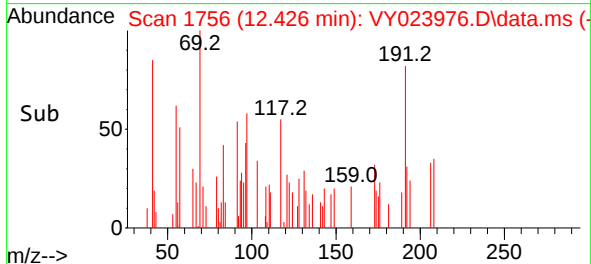
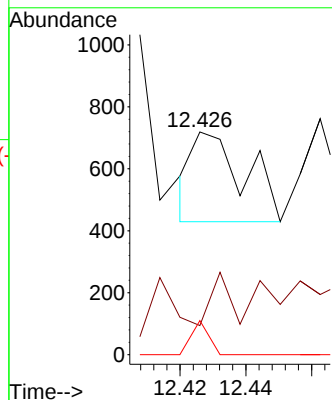
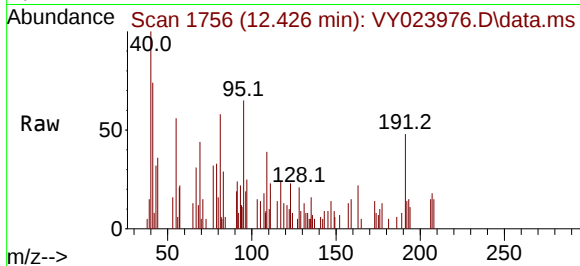




#62
4-Bromofluorobenzene
Concen: 711.374 ug/l
RT: 12.426 min Scan# 1756
Delta R.T. 0.018 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

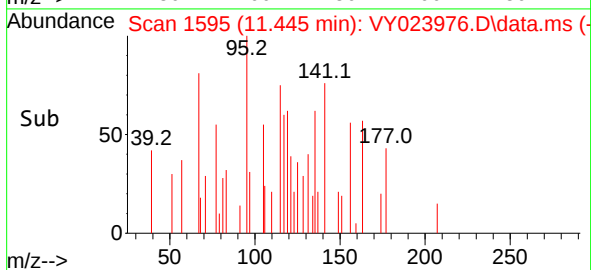
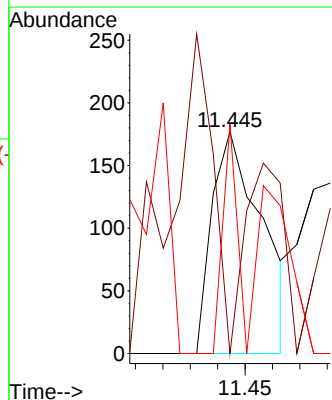
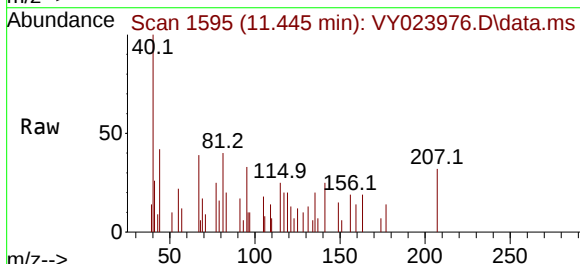
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0367

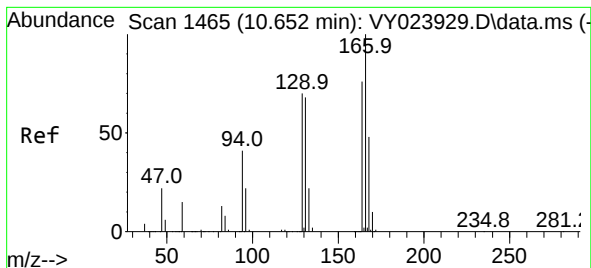
Tgt Ion: 95 Resp: 318
Ion Ratio Lower Upper
95 100
174 23.0 0.0 187.4
176 12.6 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.445 min Scan# 1595
Delta R.T. 0.025 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 117 Resp: 224
Ion Ratio Lower Upper
117 100
82 0.0 41.4 62.2#
119 103.4 25.5 38.3#





#64

Tetrachloroethene

Concen: 7.896 ug/l

RT: 10.804 min Scan# 1465

Delta R.T. 0.153 min

Lab File: VY023976.D

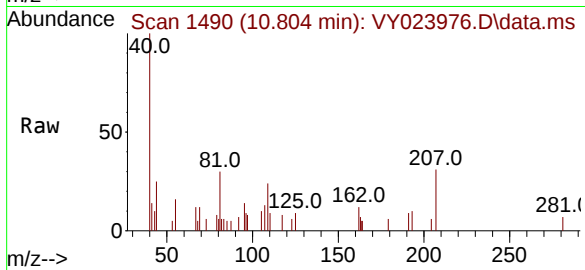
Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367



Tgt Ion:164 Resp: 19

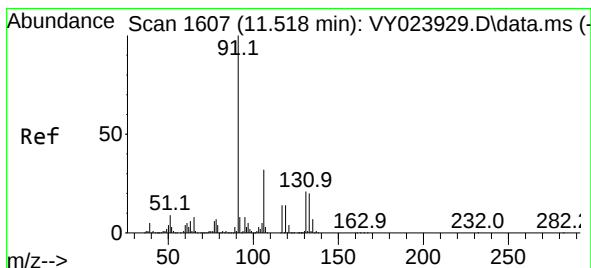
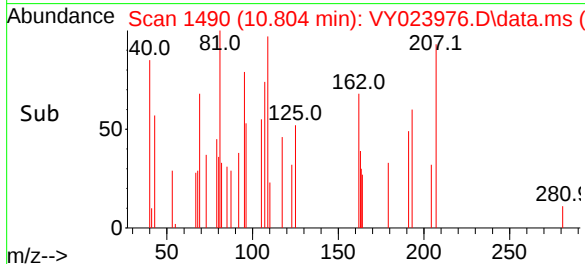
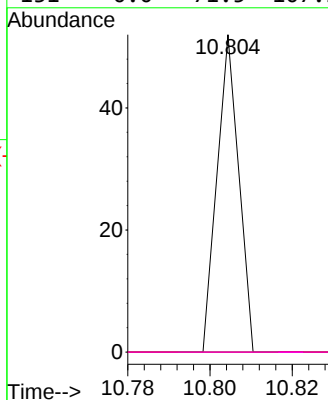
Ion Ratio Lower Upper

164 100

166 0.0 105.0 157.4#

129 0.0 73.0 109.4#

131 0.0 71.5 107.3#



#66

1,1,1,2-Tetrachloroethane

Concen: 110.418 ug/l

RT: 11.408 min Scan# 1589

Delta R.T. -0.110 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

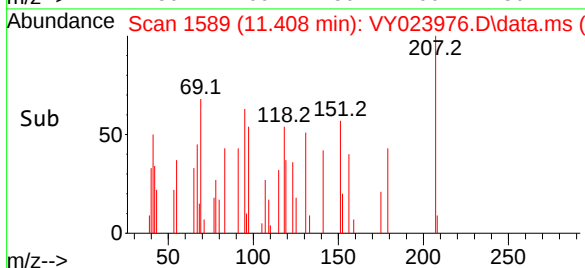
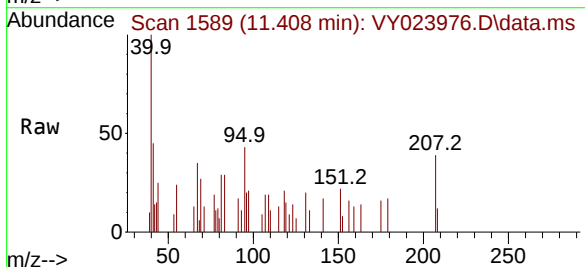
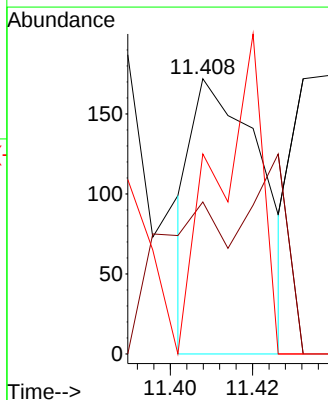
Tgt Ion:131 Resp: 201

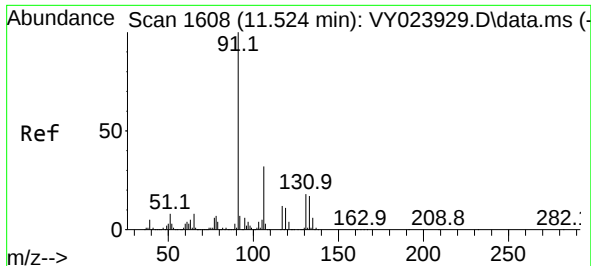
Ion Ratio Lower Upper

131 100

133 96.0 48.4 145.3

119 76.6 33.1 99.2

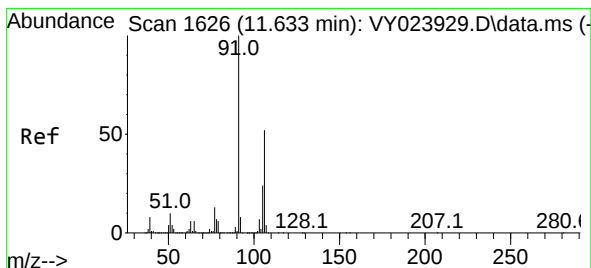
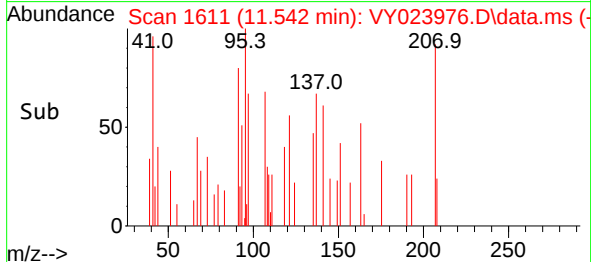
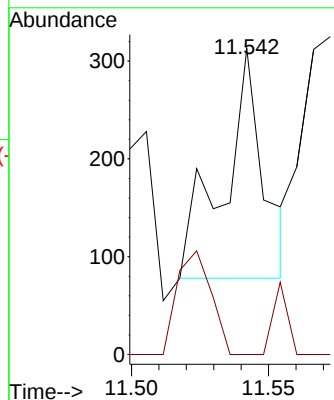
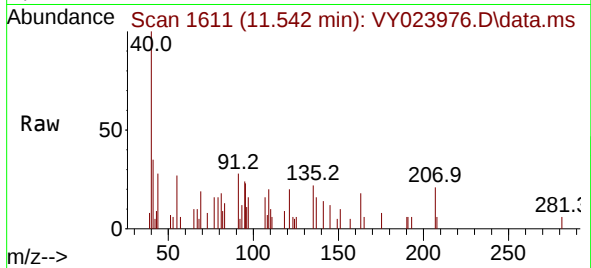




#67
Ethyl Benzene
Concen: 27.252 ug/l
RT: 11.542 min Scan# 1611
Delta R.T. 0.018 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

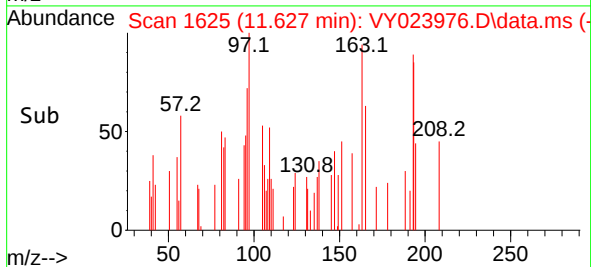
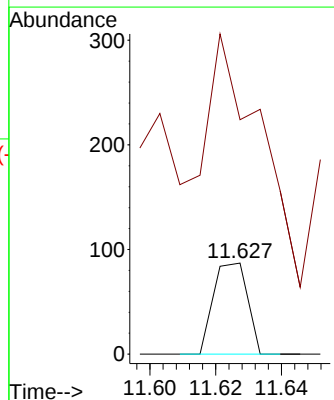
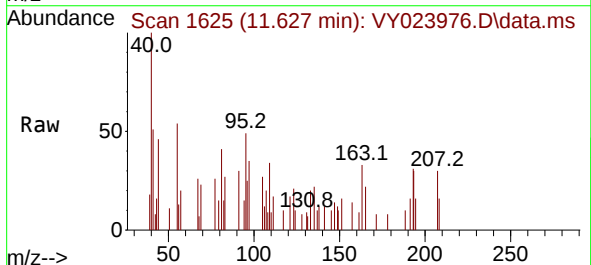
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0367

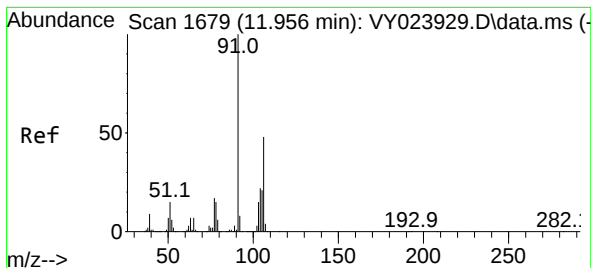
Tgt Ion: 91 Resp: 237
Ion Ratio Lower Upper
91 100
106 0.0 25.8 38.8#



#68
m/p-Xylenes
Concen: 18.249 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 106 Resp: 63
Ion Ratio Lower Upper
106 100
91 447.6 155.0 232.6#

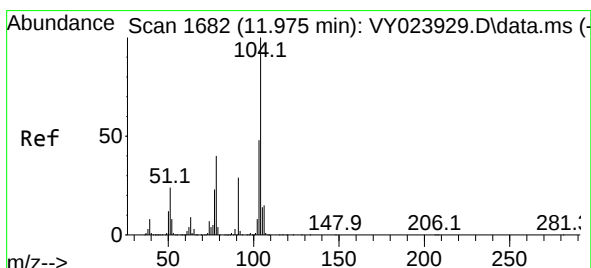
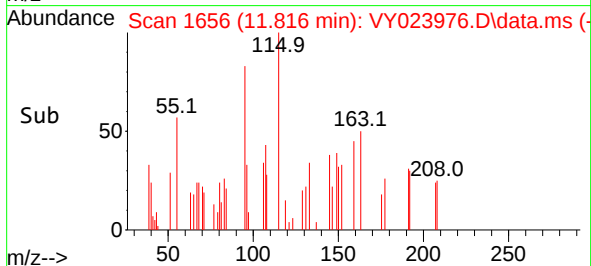
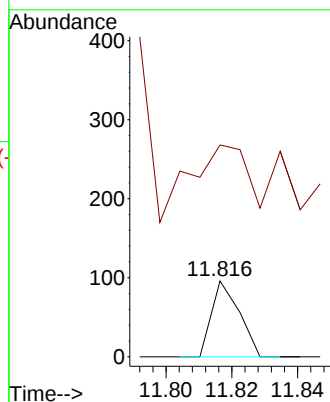
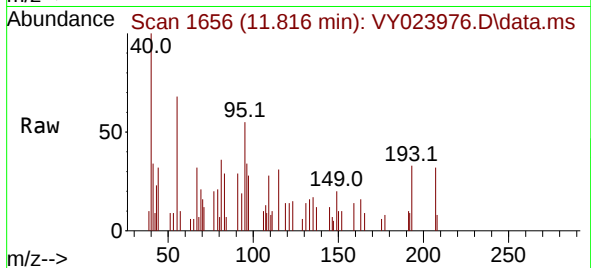




#69
o-Xylene
Concen: 17.340 ug/l
RT: 11.816 min Scan# 1656
Delta R.T. -0.140 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

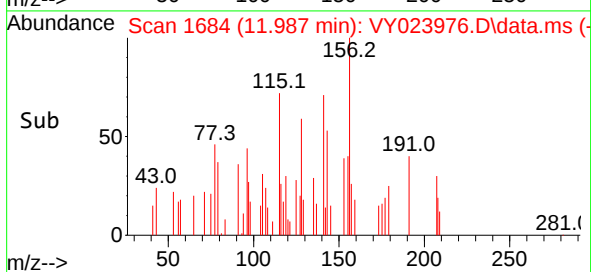
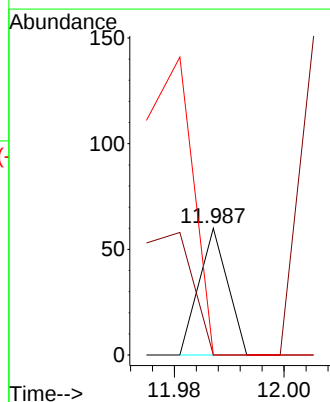
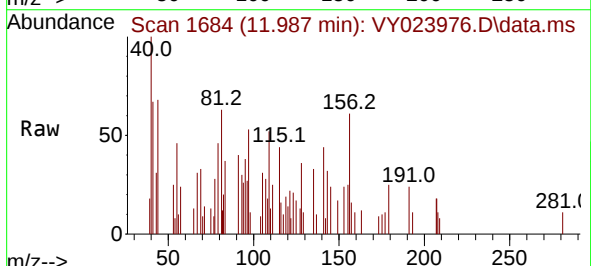
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0367

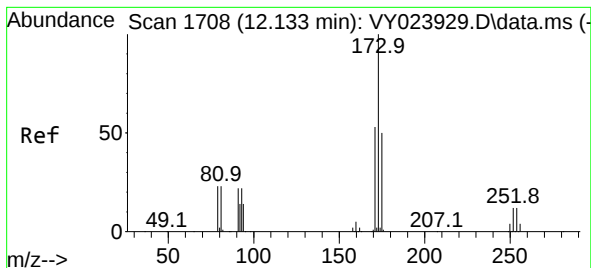
Tgt Ion:106 Resp: 56
Ion Ratio Lower Upper
106 100
91 105.4 102.1 306.1



#70
Styrene
Concen: 4.217 ug/l
RT: 11.987 min Scan# 1684
Delta R.T. 0.012 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

Tgt Ion:104 Resp: 22
Ion Ratio Lower Upper
104 100
78 186.4 37.4 56.0#
103 418.2 43.0 64.4#





#71

Bromoform

Concen: 47.540 ug/l

RT: 12.158 min Scan# 11

Delta R.T. 0.025 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

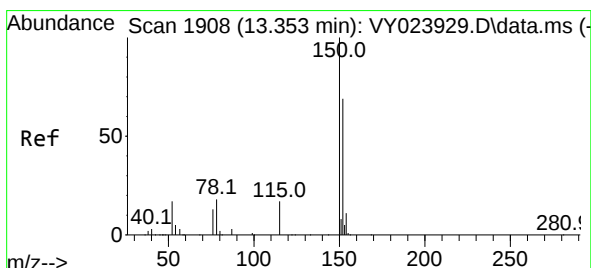
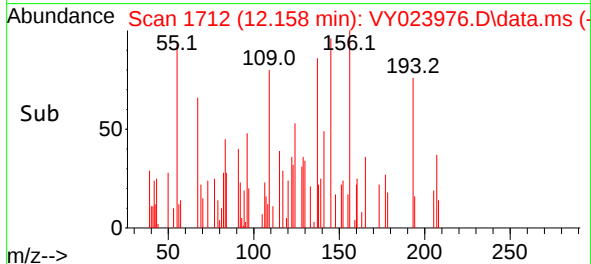
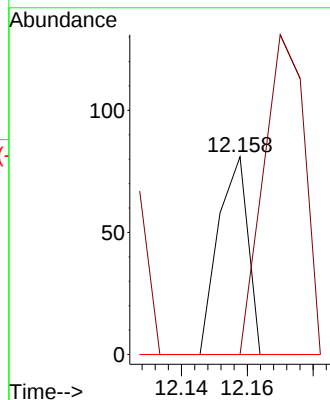
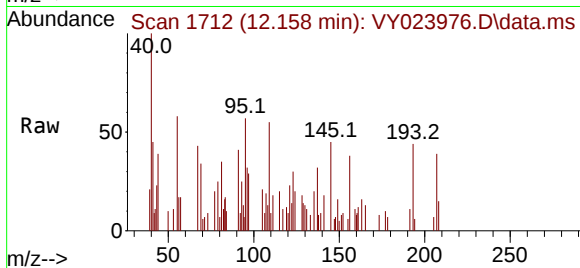
Tgt Ion:173 Resp: 51

Ion Ratio Lower Upper

173 100

175 221.6 24.9 74.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.212 min Scan# 1885

Delta R.T. -0.140 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

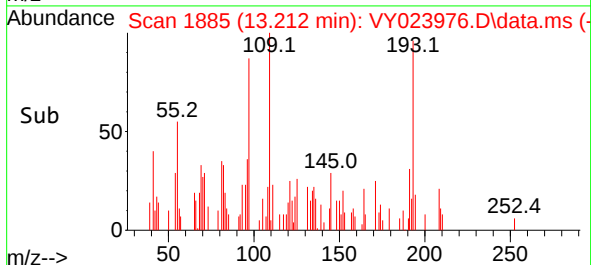
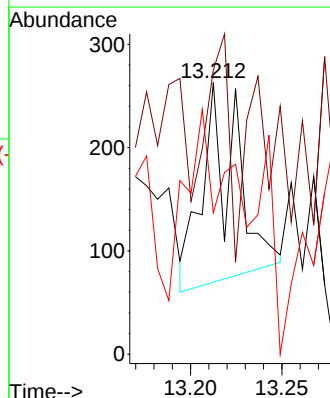
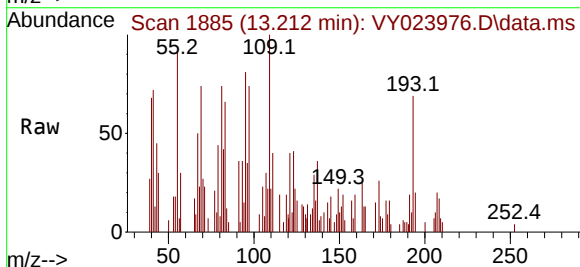
Tgt Ion:152 Resp: 244

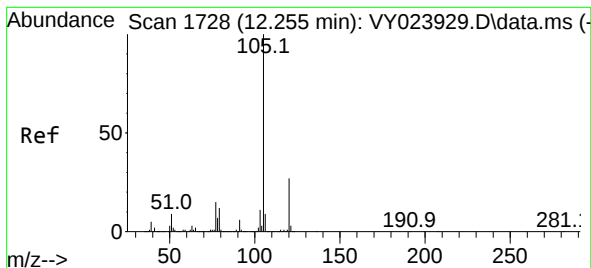
Ion Ratio Lower Upper

152 100

115 77.5 27.3 81.9

150 229.1 0.0 347.6





#73

Isopropylbenzene

Concen: 22.376 ug/l

RT: 12.389 min Scan# 1

Delta R.T. 0.134 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

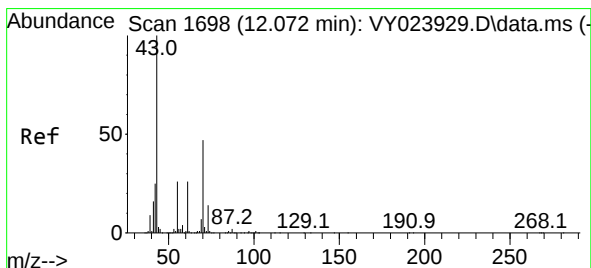
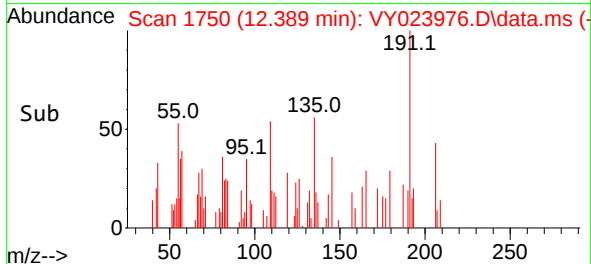
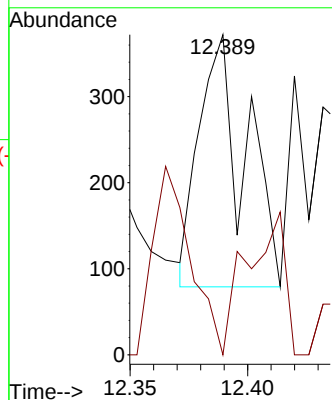
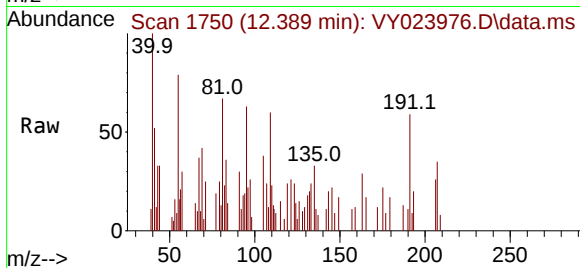
MOO-25-0367

Tgt Ion:105 Resp: 399

Ion Ratio Lower Upper

105 100

120 20.3 13.7 41.0



#74

N-ethyl acetate

Concen: 65.445 ug/l

RT: 12.091 min Scan# 1701

Delta R.T. 0.018 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Tgt Ion: 43 Resp: 207

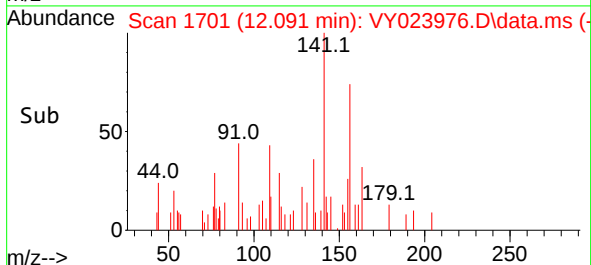
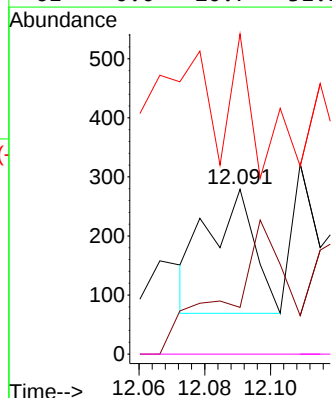
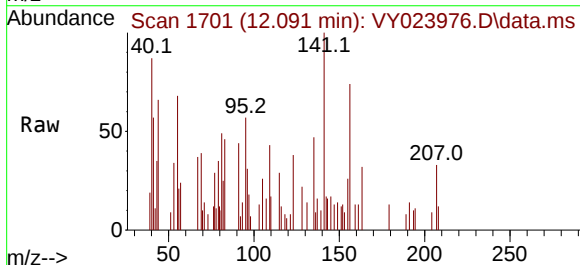
Ion Ratio Lower Upper

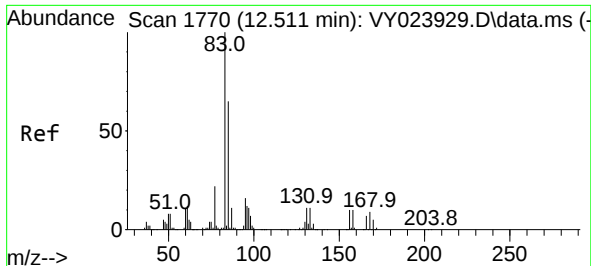
43 100

70 136.2 37.4 56.0#

55 122.7 21.6 32.4#

61 0.0 20.7 31.1#

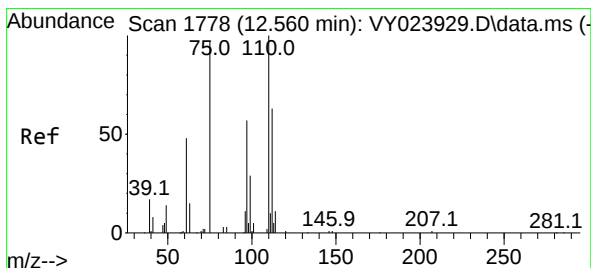
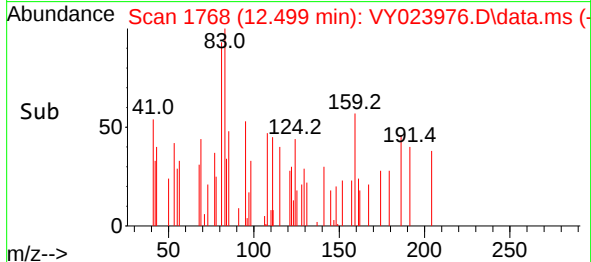
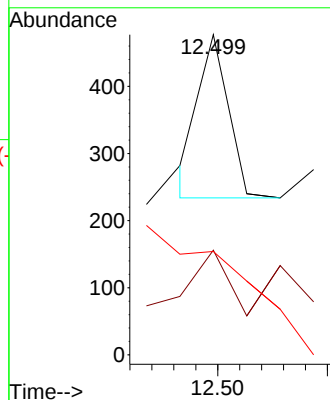
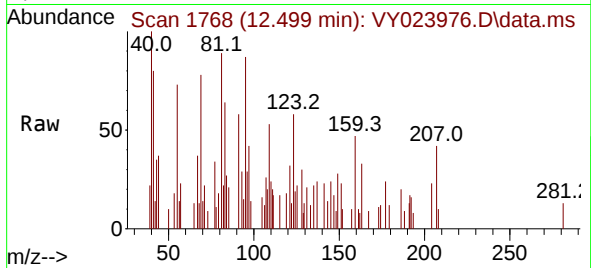




#75
 1,1,2,2-Tetrachloroethane
 Concen: 33.515 ug/l
 RT: 12.499 min Scan# 1770
 Delta R.T. -0.012 min
 Lab File: VY023976.D
 Acq: 15 Dec 2025 15:08

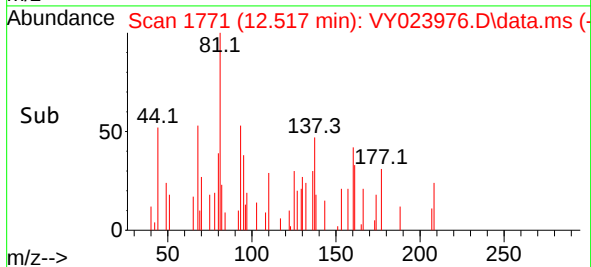
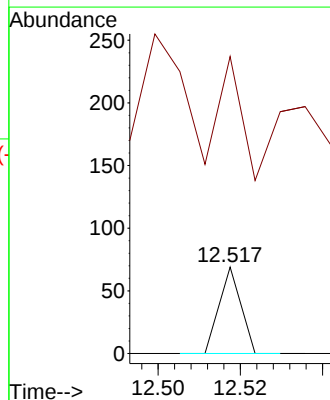
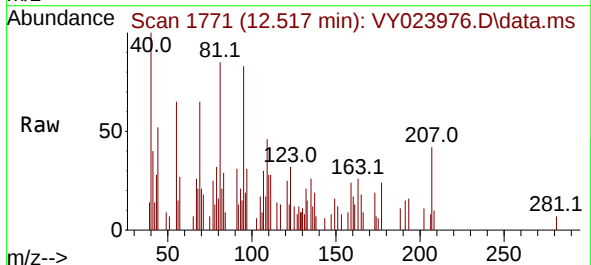
Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0367

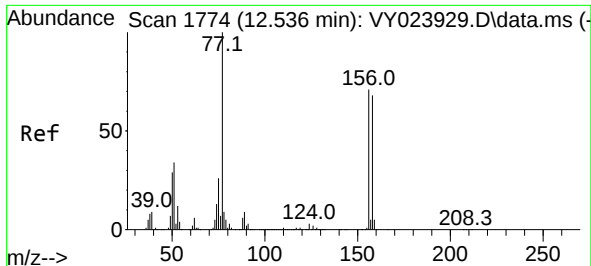
Tgt Ion: 83 Resp: 91
 Ion Ratio Lower Upper
 83 100
 131 50.5 5.6 16.8#
 85 0.0 32.0 96.2#



#76
 1,2,3-Trichloropropane
 Concen: 12.113 ug/l
 RT: 12.517 min Scan# 1771
 Delta R.T. -0.043 min
 Lab File: VY023976.D
 Acq: 15 Dec 2025 15:08

Tgt Ion: 75 Resp: 25
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

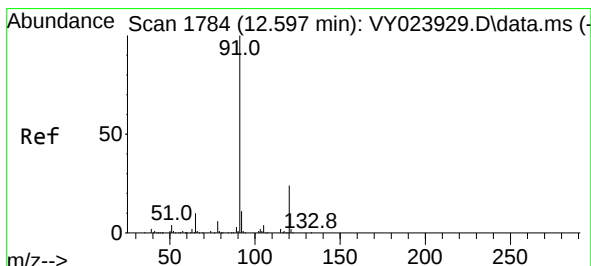
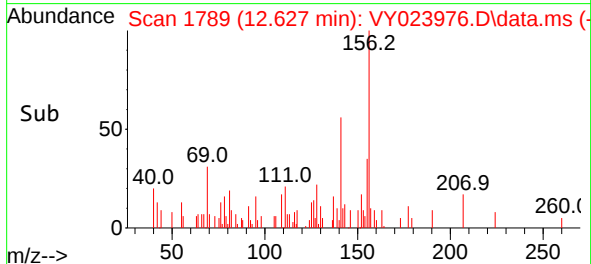
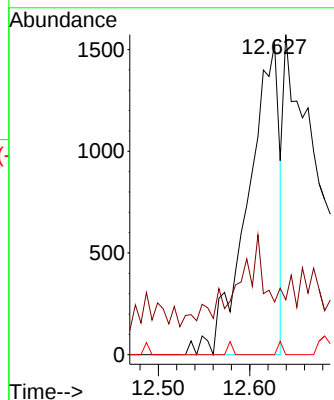
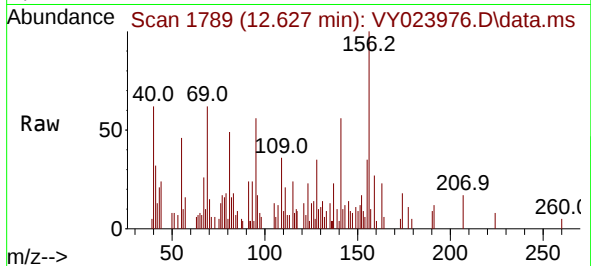




#77
Bromobenzene
Concen: 825.621 ug/l
RT: 12.627 min Scan# 1774
Delta R.T. 0.092 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

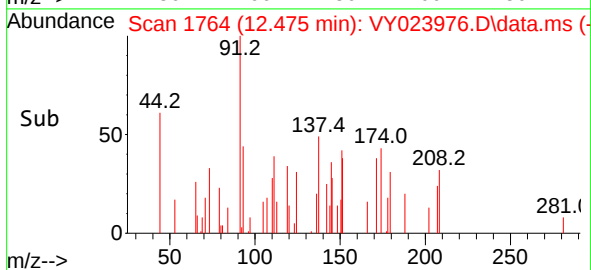
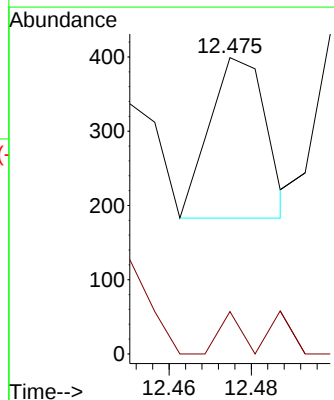
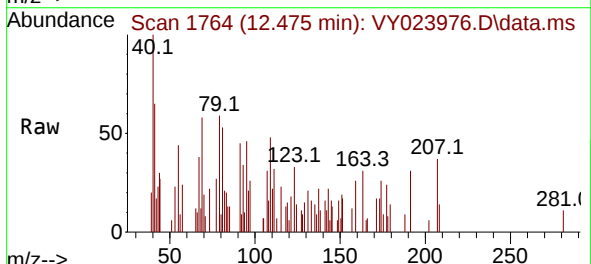
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0367

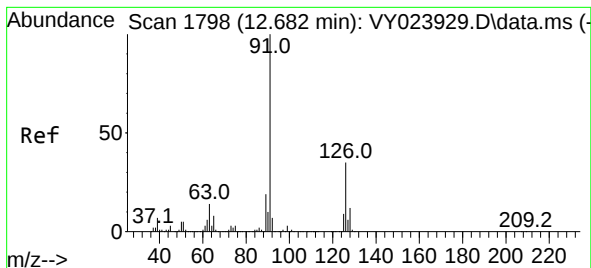
Tgt Ion:156 Resp: 3653
Ion Ratio Lower Upper
156 100
77 4.4 79.8 239.4#
158 0.7 48.0 144.2#



#78
n-propylbenzene
Concen: 9.929 ug/l
RT: 12.475 min Scan# 1764
Delta R.T. -0.122 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 91 Resp: 206
Ion Ratio Lower Upper
91 100
120 20.4 12.0 36.0





#79

2-Chlorotoluene

Concen: 23.759 ug/l

RT: 12.621 min Scan# 1798

Delta R.T. -0.061 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

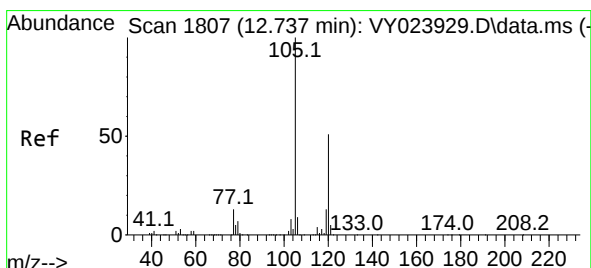
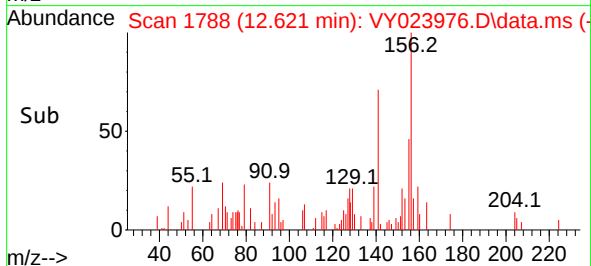
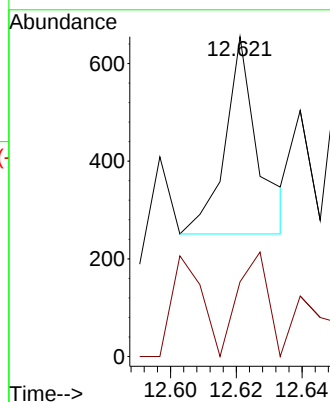
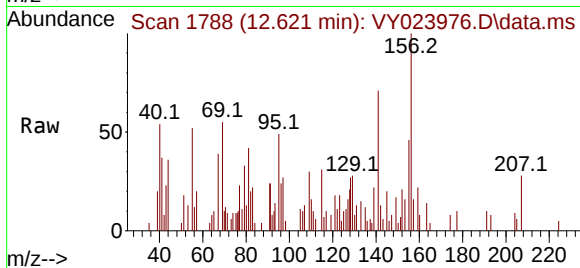
MOO-25-0367

Tgt Ion: 91 Resp: 280

Ion Ratio Lower Upper

91 100

126 47.9 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 11.317 ug/l

RT: 12.688 min Scan# 1799

Delta R.T. -0.049 min

Lab File: VY023976.D

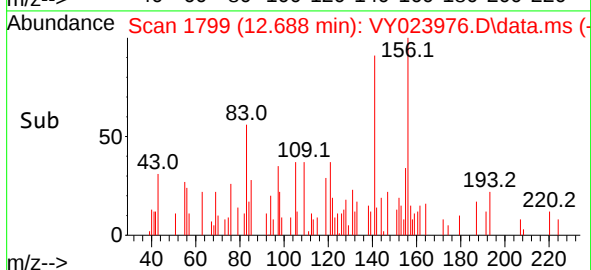
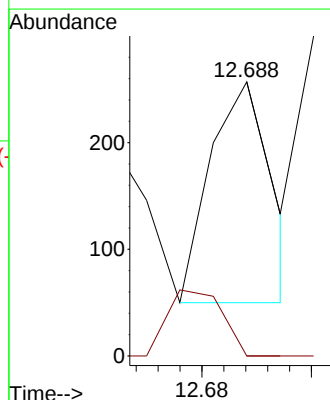
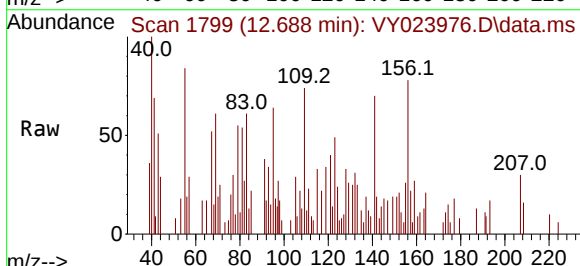
Acq: 15 Dec 2025 15:08

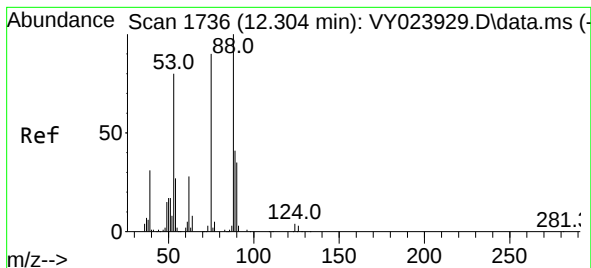
Tgt Ion: 105 Resp: 161

Ion Ratio Lower Upper

105 100

120 26.7 25.7 77.1

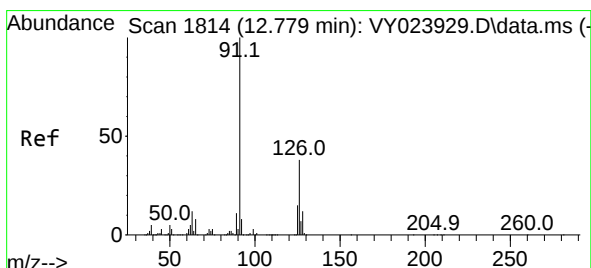
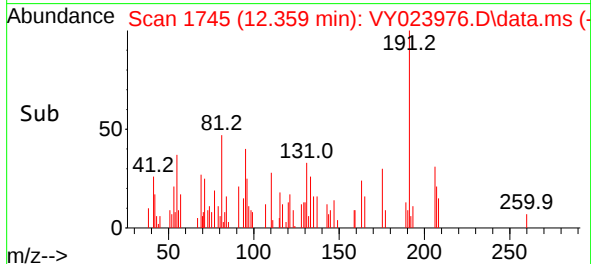
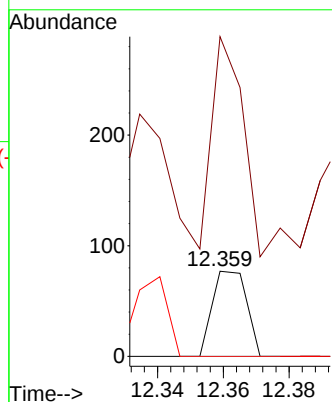
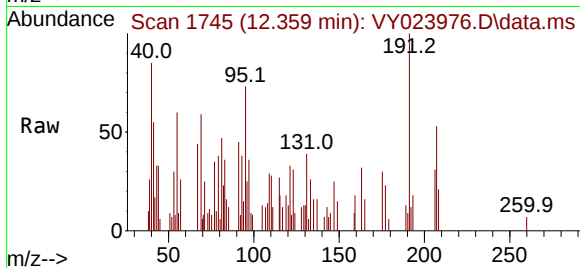




#81
trans-1,4-Dichloro-2-butene
Concen: 61.759 ug/l
RT: 12.359 min Scan# 1745
Delta R.T. 0.055 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

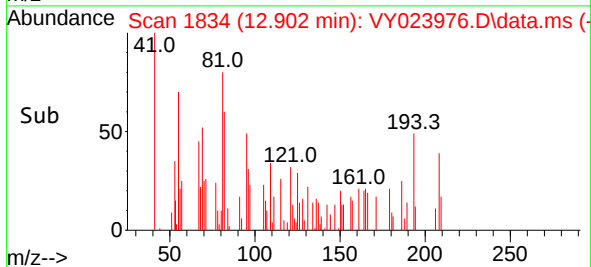
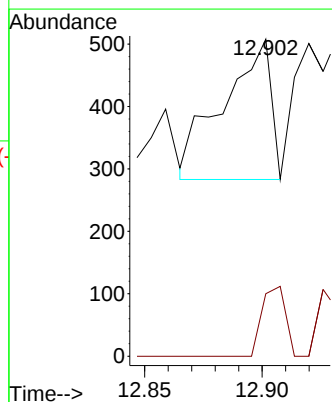
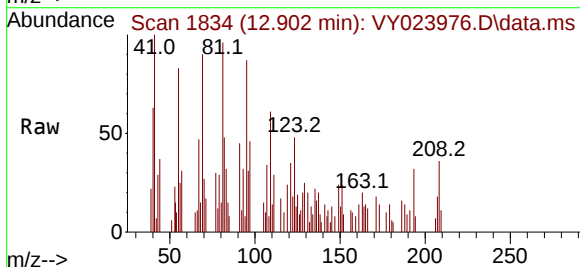
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0367

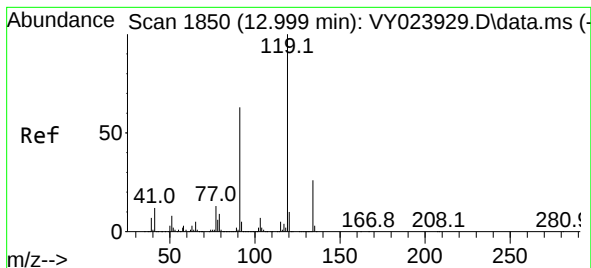
Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
53 228.6 73.4 110.0#
89 0.0 38.9 58.3#



#82
4-Chlorotoluene
Concen: 26.211 ug/l
RT: 12.902 min Scan# 1834
Delta R.T. 0.122 min
Lab File: VY023976.D
Acq: 15 Dec 2025 15:08

Tgt Ion: 91 Resp: 318
Ion Ratio Lower Upper
91 100
126 24.5 18.1 54.1





#83

tert-Butylbenzene

Concen: 17.346 ug/l

RT: 13.103 min Scan# 1867

Delta R.T. 0.104 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

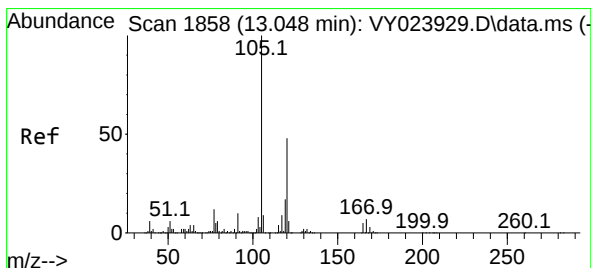
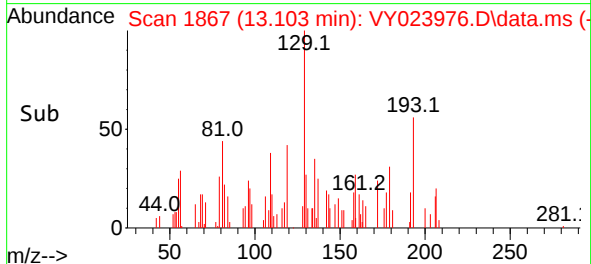
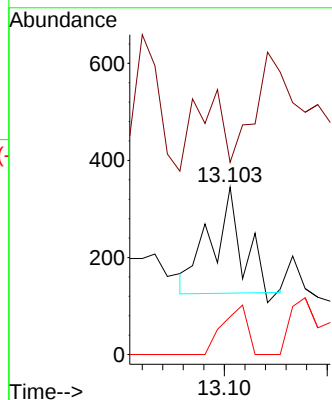
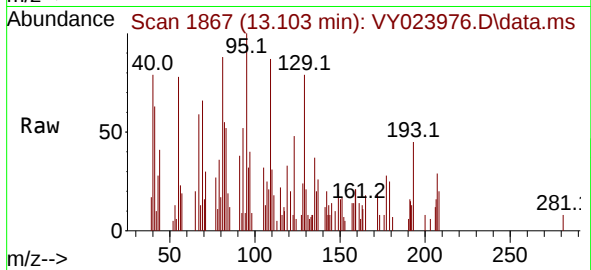
Tgt Ion:119 Resp: 228

Ion Ratio Lower Upper

119 100

91 69.3 31.6 94.7

134 37.3 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 11.779 ug/l

RT: 13.078 min Scan# 1863

Delta R.T. 0.031 min

Lab File: VY023976.D

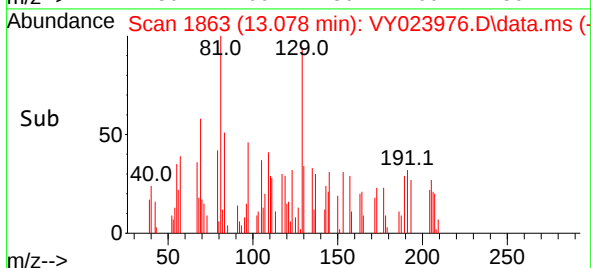
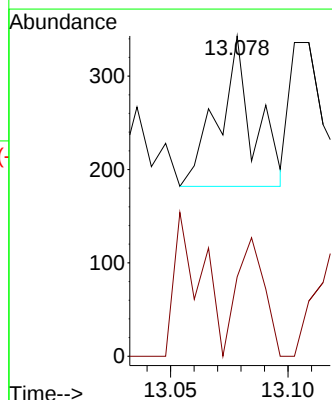
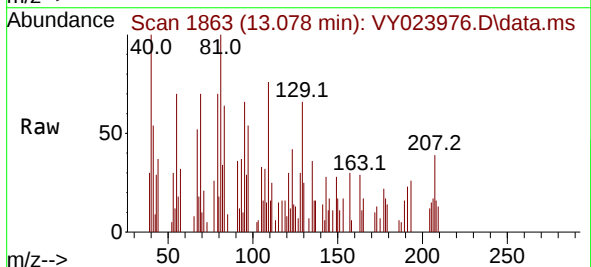
Acq: 15 Dec 2025 15:08

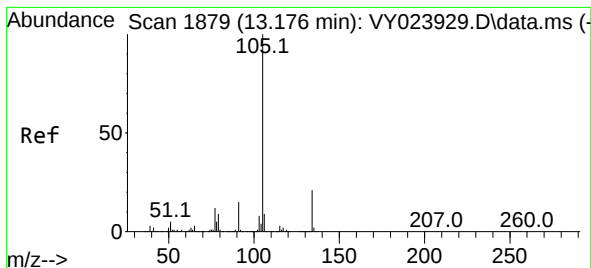
Tgt Ion:105 Resp: 166

Ion Ratio Lower Upper

105 100

120 62.7 23.4 70.3





#85

sec-Butylbenzene

Concen: 17.315 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

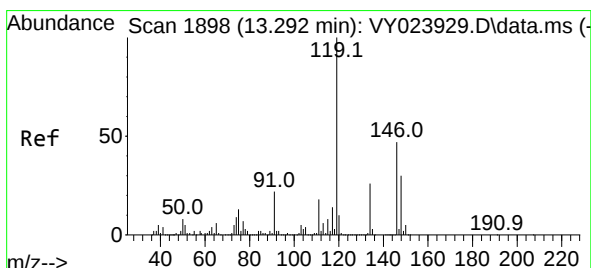
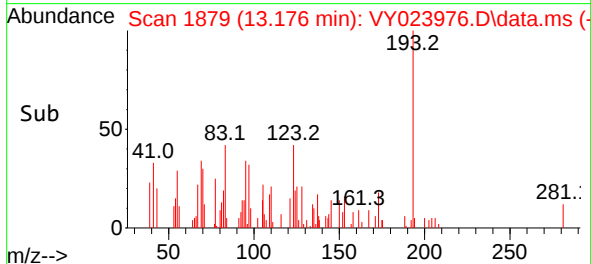
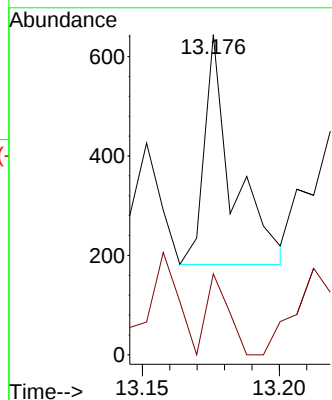
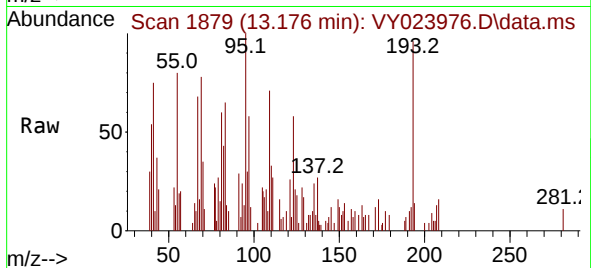
MOO-25-0367

Tgt Ion:105 Resp: 332

Ion Ratio Lower Upper

105 100

134 27.1 10.6 31.8



#86

p-Isopropyltoluene

Concen: 9.550 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

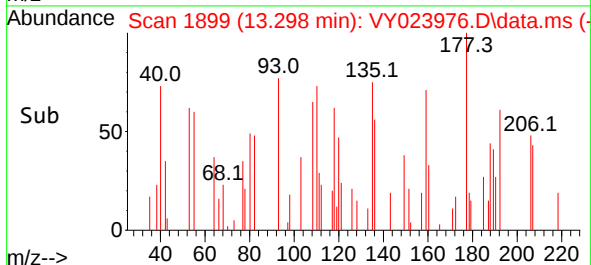
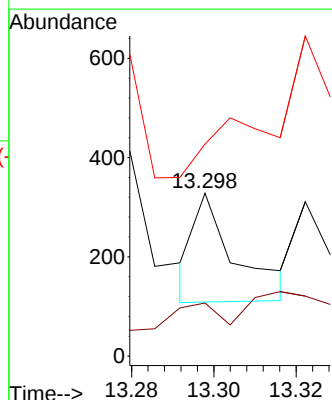
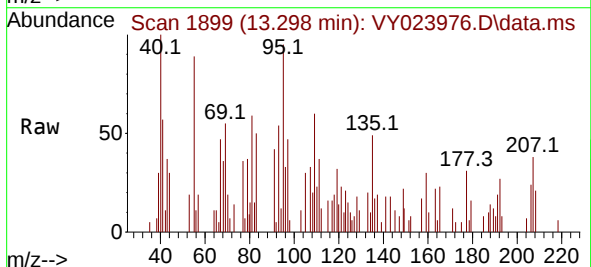
Tgt Ion:119 Resp: 155

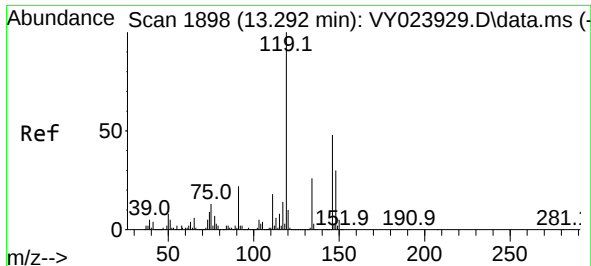
Ion Ratio Lower Upper

119 100

134 76.1 13.6 40.7#

91 0.0 11.1 33.3#





#87

1,3-Dichlorobenzene

Concen: 2.910 ug/l

RT: 13.322 min Scan# 1903

Delta R.T. 0.031 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

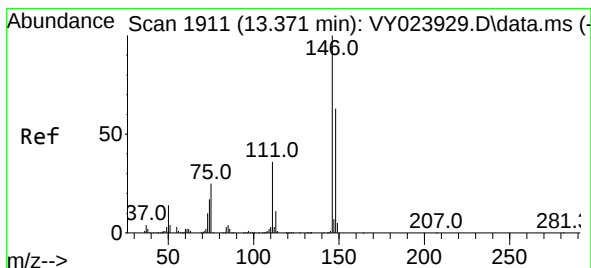
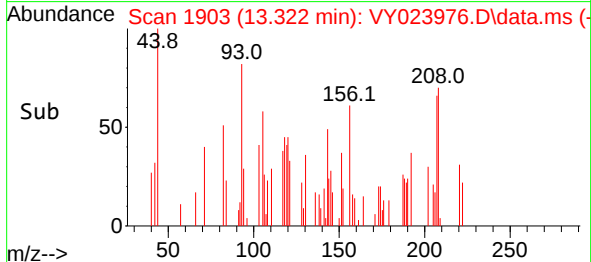
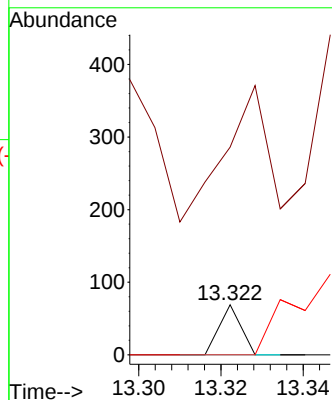
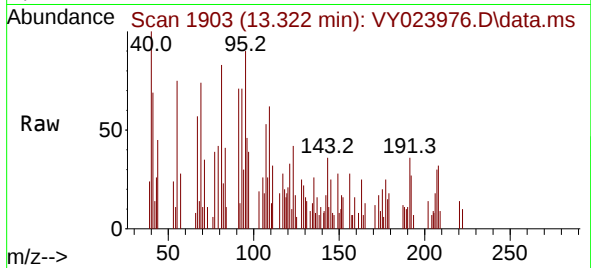
Tgt Ion:146 Resp: 25

Ion Ratio Lower Upper

146 100

111 532.0 18.9 56.9#

148 0.0 32.0 96.0#



#88

1,4-Dichlorobenzene

Concen: 2.243 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.018 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

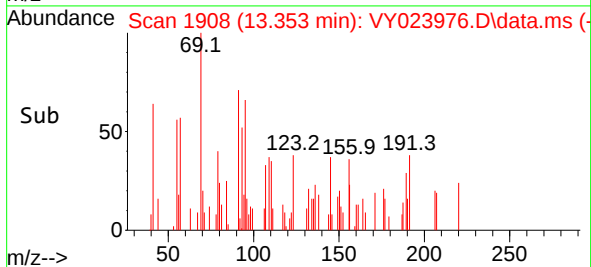
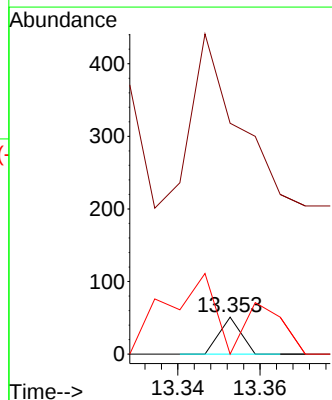
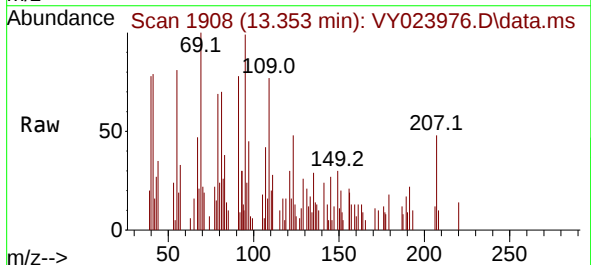
Tgt Ion:146 Resp: 19

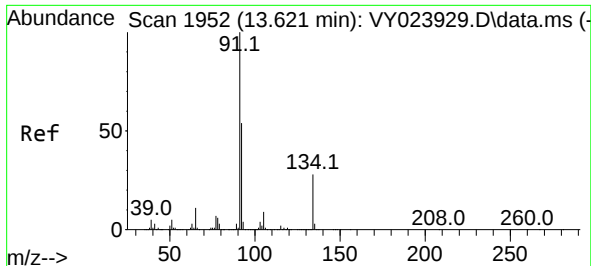
Ion Ratio Lower Upper

146 100

111 989.5 18.4 55.0#

148 710.5 31.9 95.9#





#89

n-Butylbenzene

Concen: 24.438 ug/l

RT: 13.462 min Scan# 1952

Delta R.T. -0.158 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

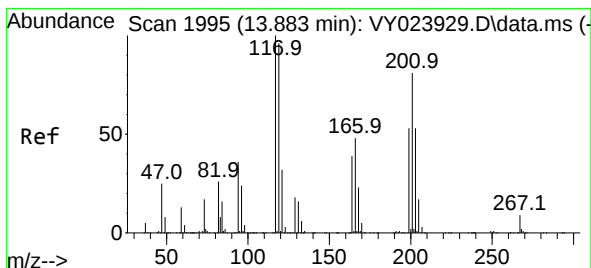
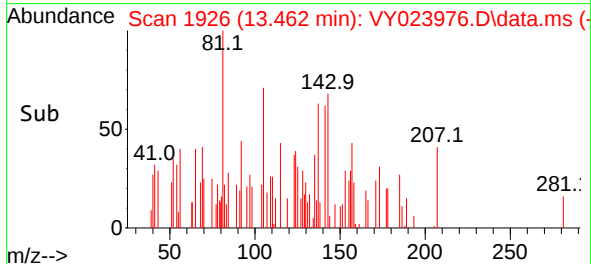
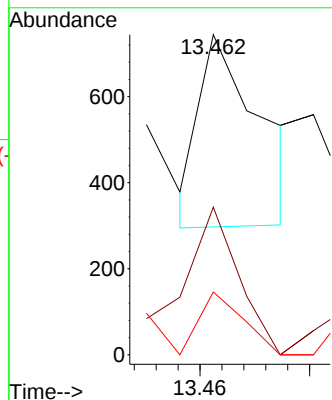
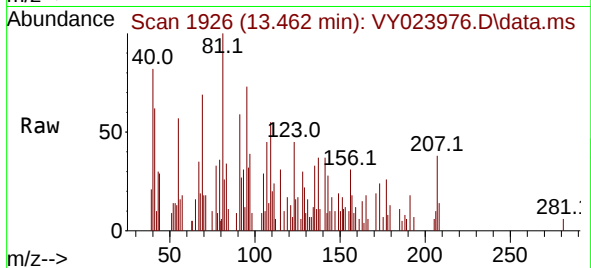
Tgt Ion: 91 Resp: 347

Ion Ratio Lower Upper

91 100

92 73.5 26.9 80.6

134 23.3 13.9 41.6



#90

Hexachloroethane

Concen: 33.516 ug/l

RT: 13.932 min Scan# 2003

Delta R.T. 0.049 min

Lab File: VY023976.D

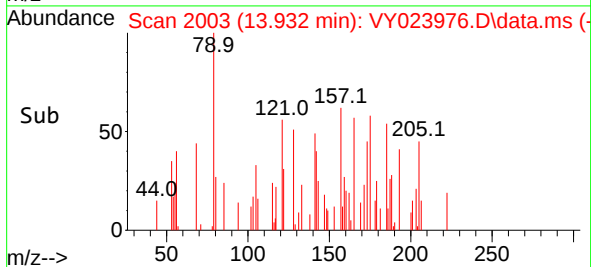
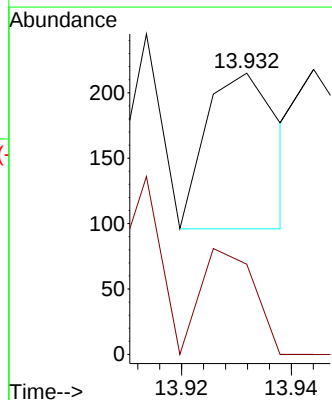
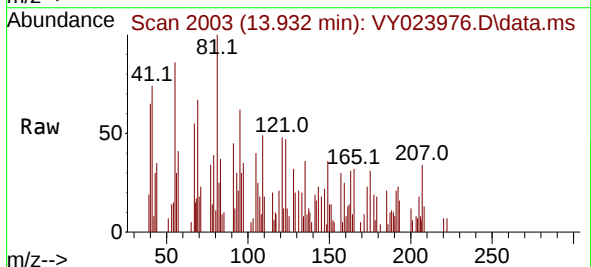
Acq: 15 Dec 2025 15:08

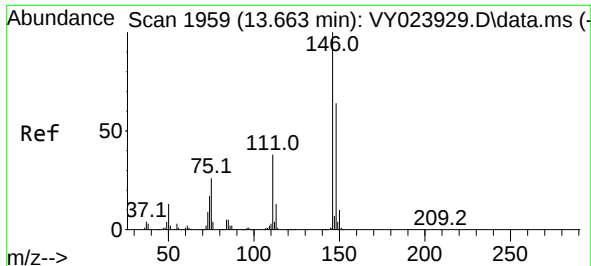
Tgt Ion: 117 Resp: 111

Ion Ratio Lower Upper

117 100

201 112.6 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 31.164 ug/l

RT: 13.676 min Scan# 1959

Delta R.T. 0.012 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

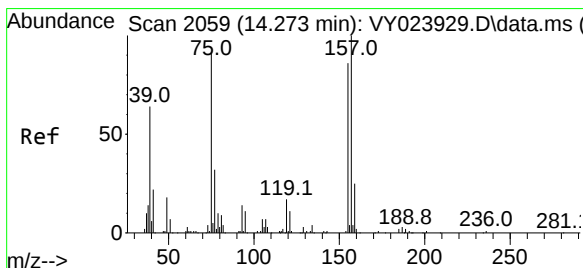
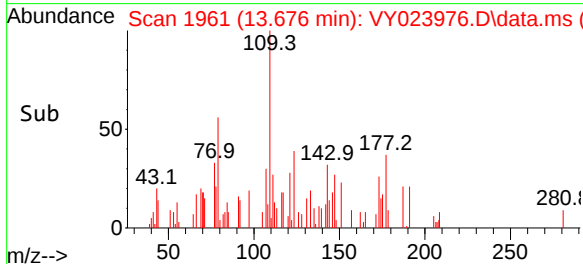
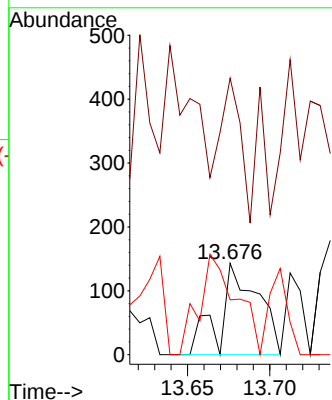
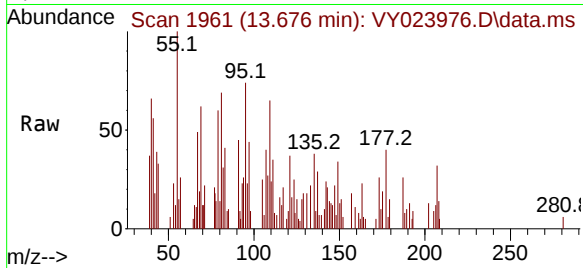
Tgt Ion:146 Resp: 232

Ion Ratio Lower Upper

146 100

111 0.0 19.6 58.7#

148 106.9 31.6 95.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 183.160 ug/l

RT: 14.243 min Scan# 2054

Delta R.T. -0.030 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

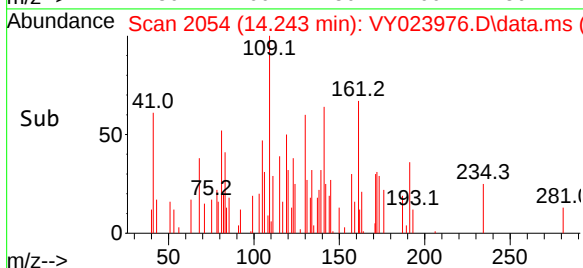
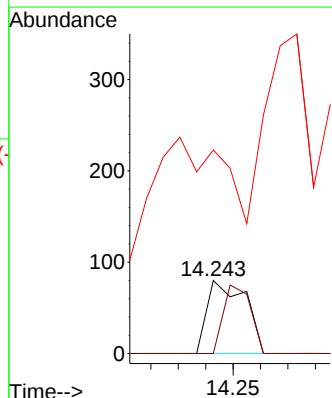
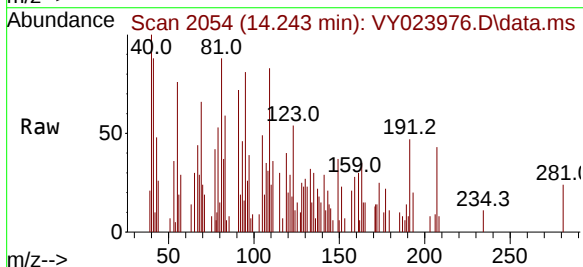
Tgt Ion: 75 Resp: 77

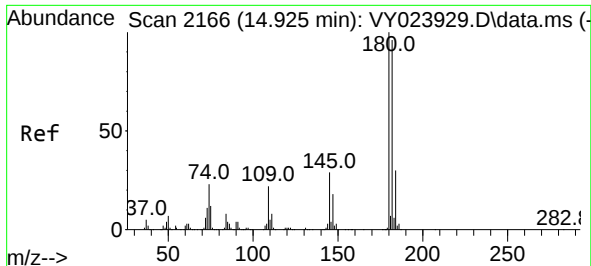
Ion Ratio Lower Upper

75 100

155 66.2 50.2 150.7

157 436.4 62.8 188.5#

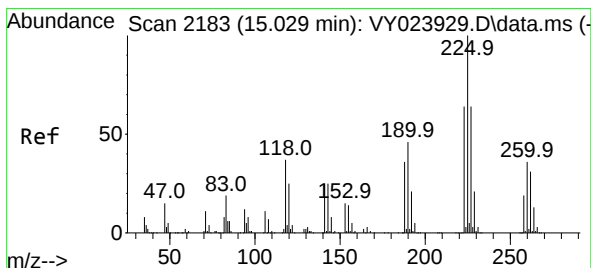
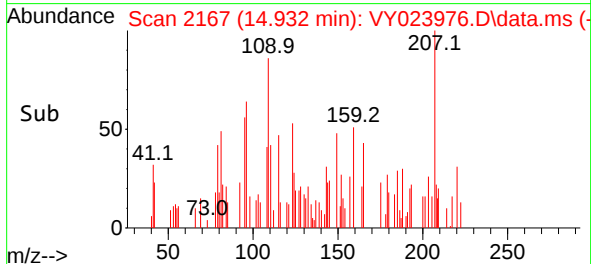
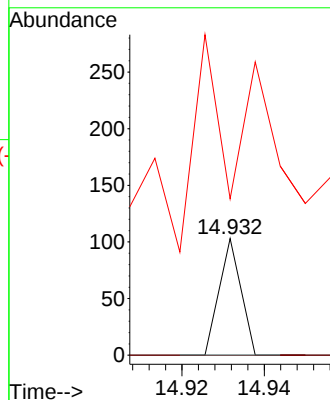
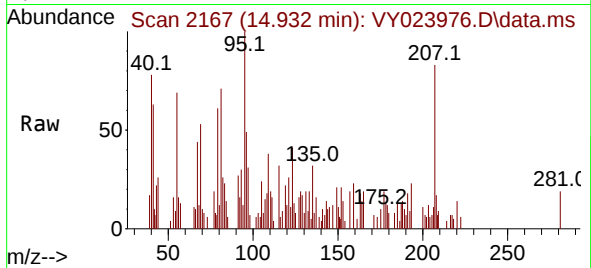




#93
 1,2,4-Trichlorobenzene
 Concen: 8.685 ug/l
 RT: 14.932 min Scan# 2166
 Delta R.T. 0.006 min
 Lab File: VY023976.D
 Acq: 15 Dec 2025 15:08

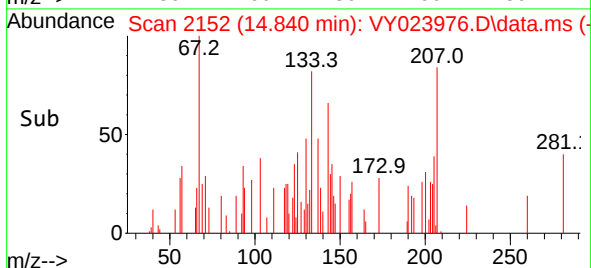
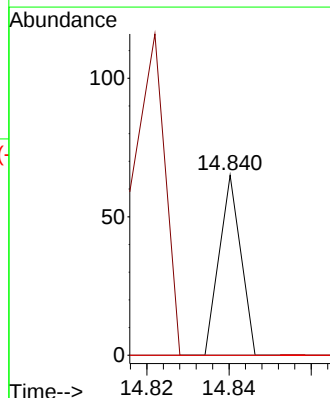
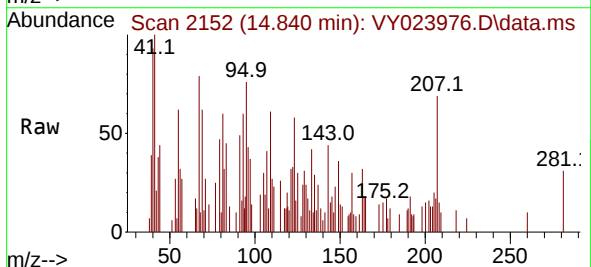
Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0367

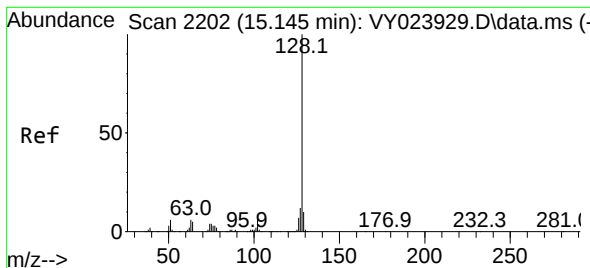
Tgt Ion:180 Resp: 38
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.9#
 145 594.7 14.8 44.4#



#94
 Hexachlorobutadiene
 Concen: 8.368 ug/l
 RT: 14.840 min Scan# 2152
 Delta R.T. -0.189 min
 Lab File: VY023976.D
 Acq: 15 Dec 2025 15:08

Tgt Ion:225 Resp: 24
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.6 95.0#
 227 0.0 31.7 95.1#





#95

Naphthalene

Concen: 61.488 ug/l

RT: 15.102 min Scan# 2195

Delta R.T. -0.043 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0367

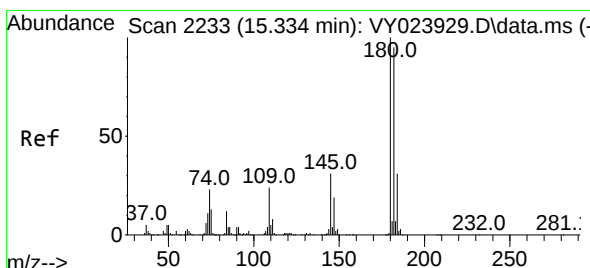
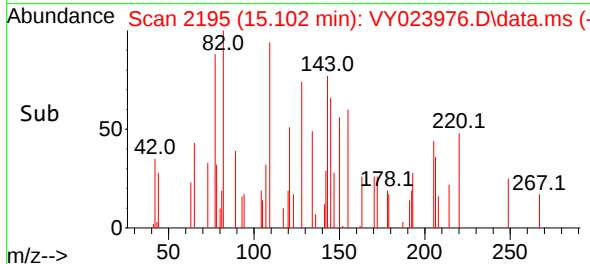
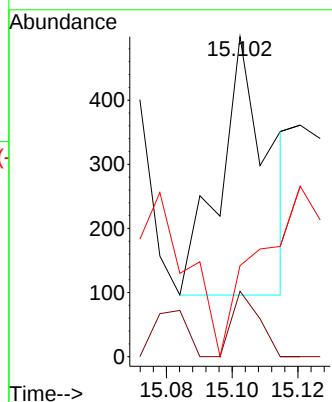
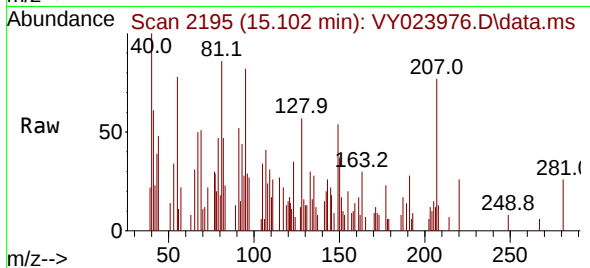
Tgt Ion:128 Resp: 416

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.2

129 0.0 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 19.606 ug/l

RT: 15.371 min Scan# 2239

Delta R.T. 0.037 min

Lab File: VY023976.D

Acq: 15 Dec 2025 15:08

Tgt Ion:180 Resp: 73

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.4#

145 247.9 15.6 46.8#

