

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023833.D
 Acq On : 01 Dec 2025 10:38
 Operator : SY/MD
 Sample : Q3719-09RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-15ARE

Quant Time: Dec 02 03:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

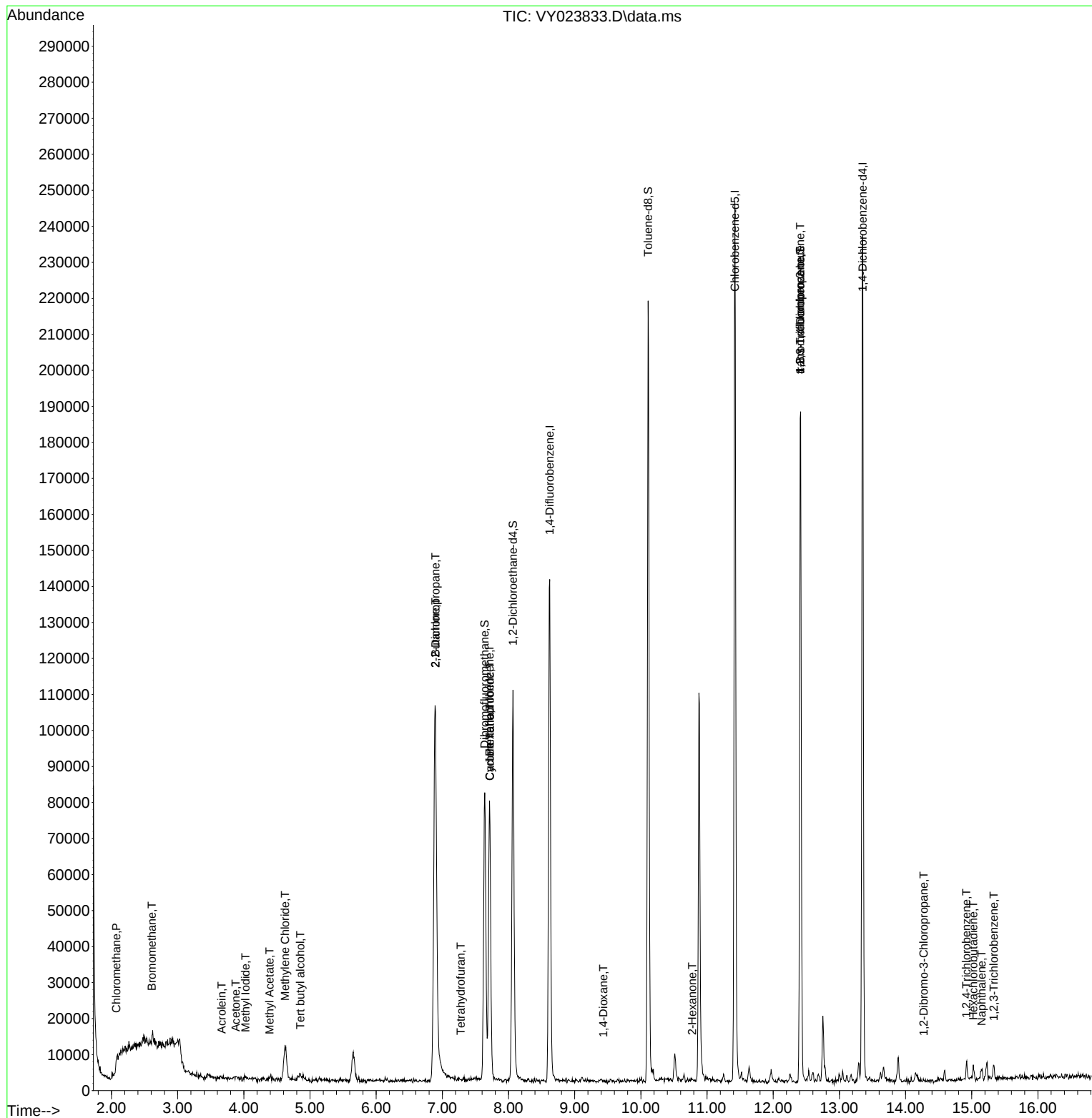
Internal Standards						
1) Pentafluorobenzene	7.713	168	60762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	124548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	135409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	63239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	83291	140.759	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 281.520%#			
35) Dibromofluoromethane	7.640	113	57051	77.325	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 154.640%#			
50) Toluene-d8	10.109	98	147632	50.376	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.407	95	55849	57.919	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.840%			
Target Compounds					Qvalue	
3) Chloromethane	2.074	50	871	1.243	ug/l #	68
5) Bromomethane	2.610	94	1585	2.965	ug/l	98
10) Methyl Iodide	4.025	142	951	1.451	ug/l #	83
11) Tert butyl alcohol	4.854	59	2913	59.940	ug/l #	76
13) Acrolein	3.665	56	95	1.360	ug/l #	77
16) Acetone	3.878	43	834	4.892	ug/l #	58
18) Methyl Acetate	4.391	43	1831	5.561	ug/l #	65
20) Methylene Chloride	4.622	84	7125	9.885	ug/l	96
25) 2-Butanone	6.896	43	5661	27.209	ug/l #	64
26) 2,2-Dichloropropane	6.896	77	8109	7.717	ug/l #	53
29) Tetrahydrofuran	7.280	42	325	2.801	ug/l #	33
31) Cyclohexane	7.719	56	1606	1.412	ug/l #	44
38) Carbon Tetrachloride	7.719	117	5970	4.808	ug/l #	15
49) 1,4-Dioxane	9.432	88	56	11.219	ug/l #	1
59) 2-Hexanone	10.774	43	491	1.268	ug/l	68
76) 1,2,3-Trichloropropane	12.407	75	28116	51.126	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	28116	108.065	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.273	75	133	1.075	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.919	180	1505	1.364	ug/l	95
94) Hexachlorobutadiene	15.023	225	701	1.020	ug/l	80
95) Naphthalene	15.151	128	2715	1.459	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.334	180	1430	1.522	ug/l	94

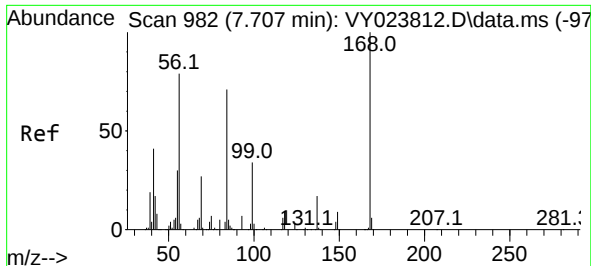
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
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SB-1125-15ARE

Quant Time: Dec 02 03:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

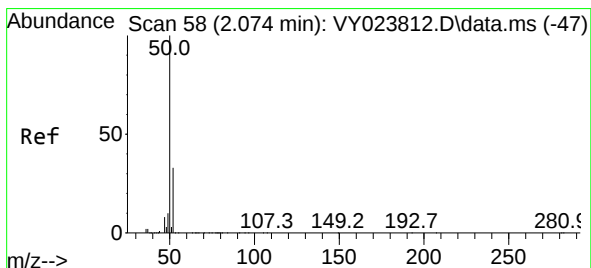
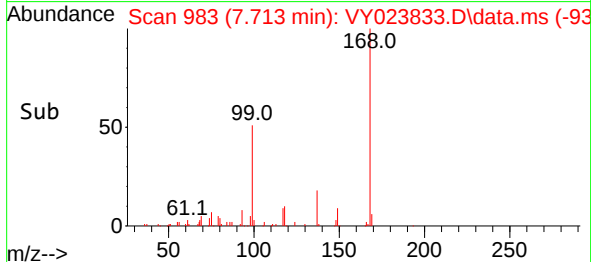
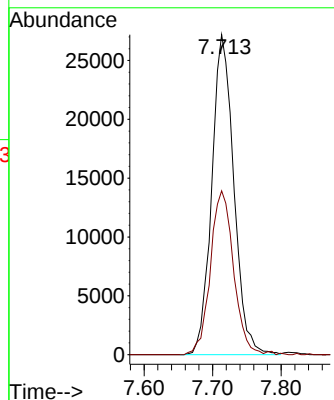
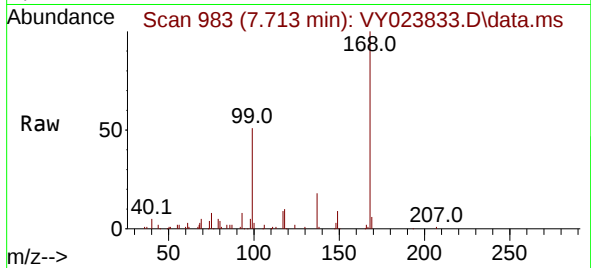




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

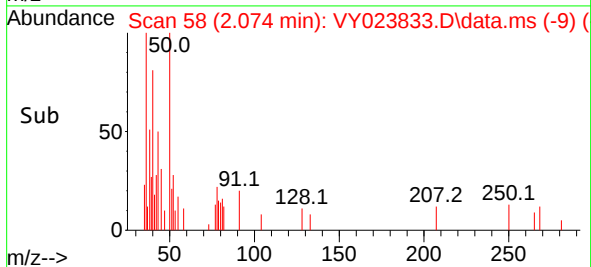
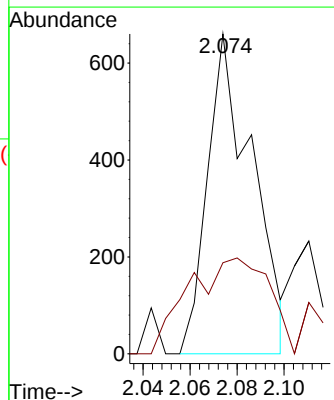
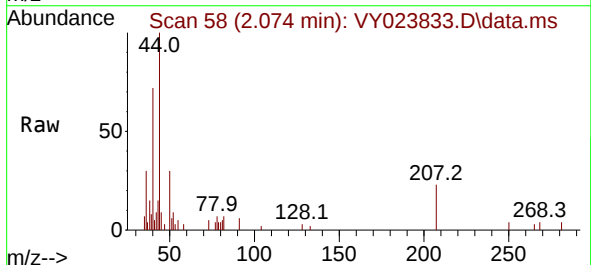
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-15ARE

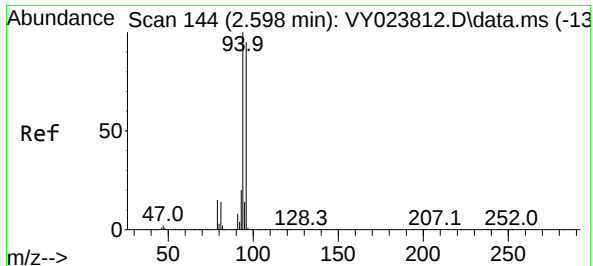
Tgt Ion:168 Resp: 60762
Ion Ratio Lower Upper
168 100
99 51.2 44.0 66.0



#3
Chloromethane
Concen: 1.243 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion: 50 Resp: 871
Ion Ratio Lower Upper
50 100
52 14.8 26.6 39.8#

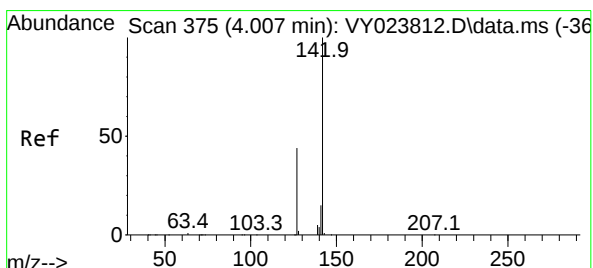
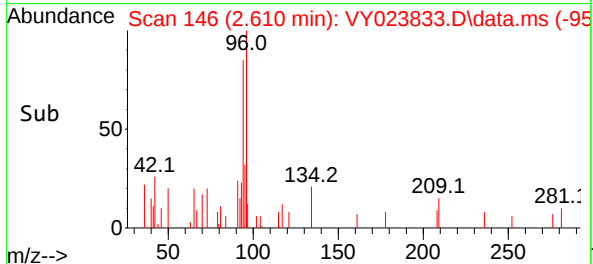
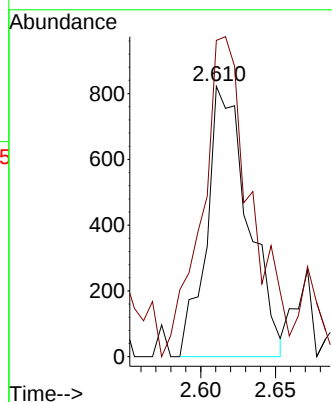
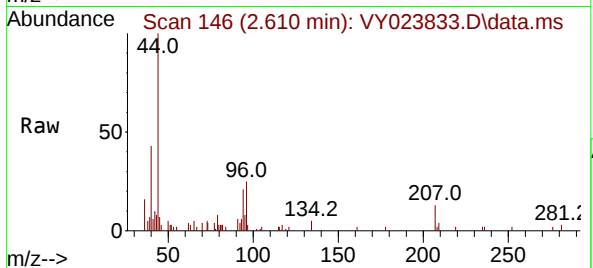




#5
Bromomethane
Concen: 2.965 ug/l
RT: 2.610 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

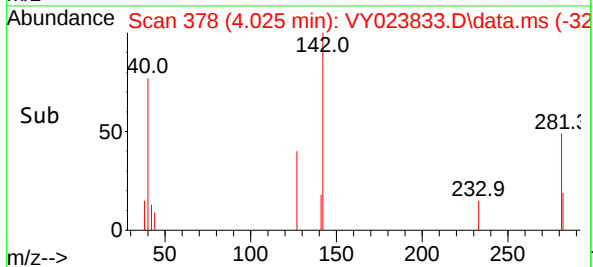
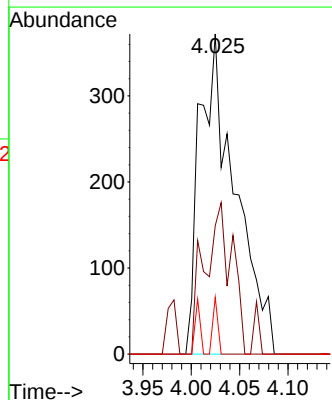
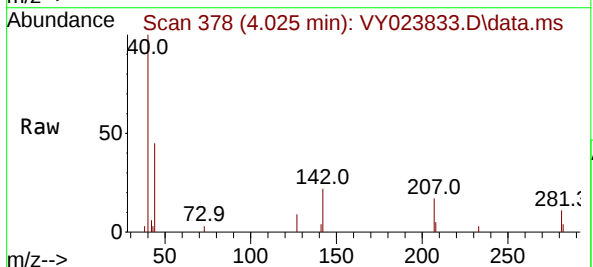
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-15ARE

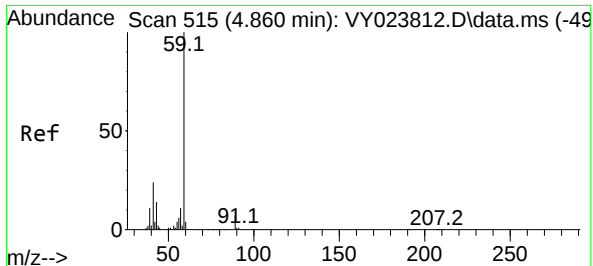
Tgt Ion: 94 Resp: 1585
Ion Ratio Lower Upper
94 100
96 93.1 76.1 114.1



#10
Methyl Iodide
Concen: 1.451 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.018 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion: 142 Resp: 951
Ion Ratio Lower Upper
142 100
127 36.3 36.2 54.2
141 2.5 11.4 17.0#





#11

Tert butyl alcohol

Concen: 59.940 ug/l

RT: 4.854 min Scan# 515

Delta R.T. -0.006 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

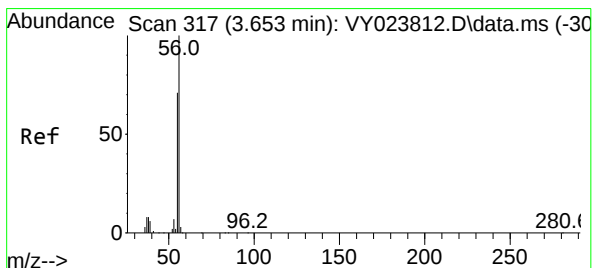
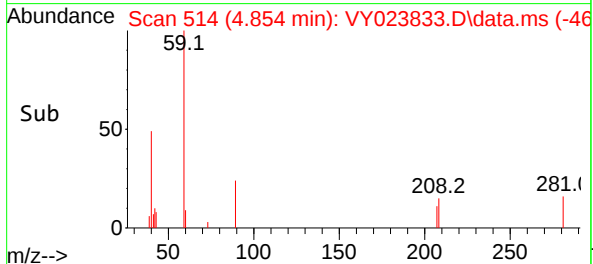
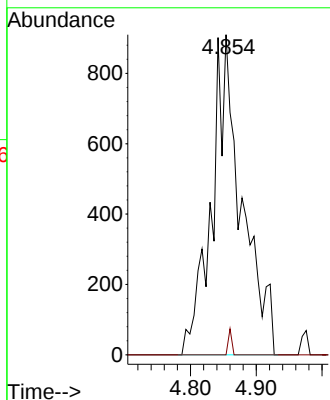
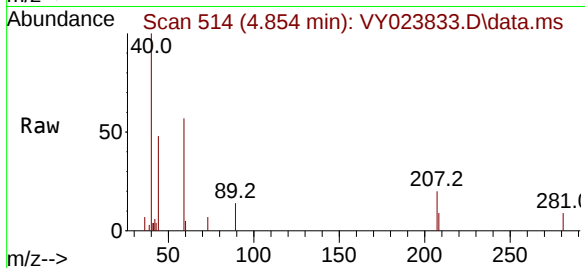
SB-1125-15ARE

Tgt Ion: 59 Resp: 2913

Ion Ratio Lower Upper

59 100

57 0.9 8.0 12.0#



#13

Acrolein

Concen: 1.360 ug/l

RT: 3.665 min Scan# 319

Delta R.T. 0.012 min

Lab File: VY023833.D

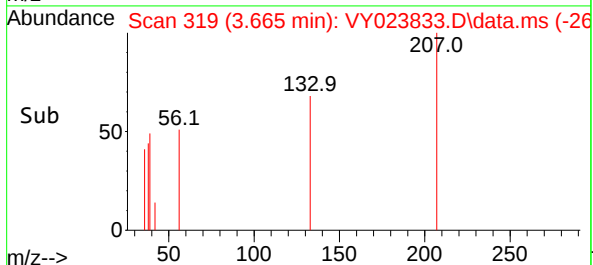
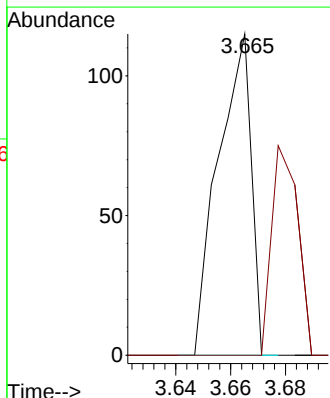
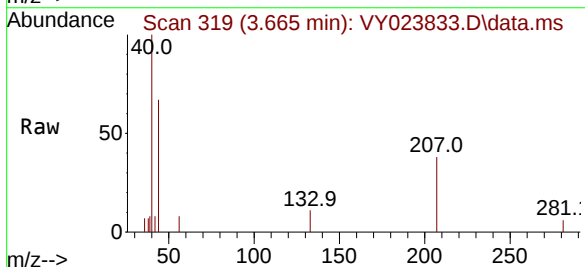
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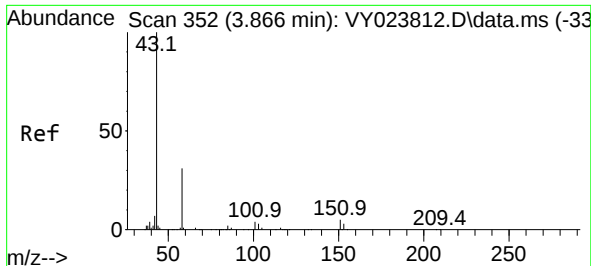
Tgt Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 52.6 57.1 85.7#

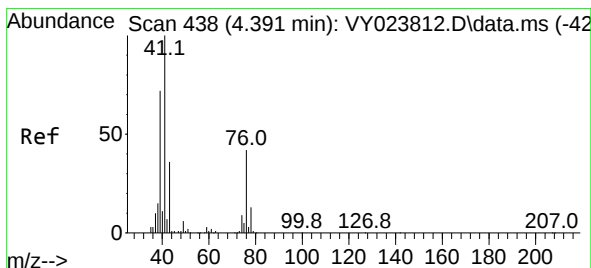
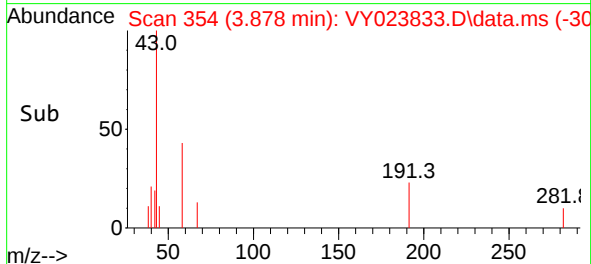
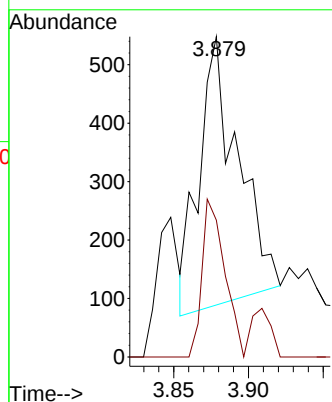
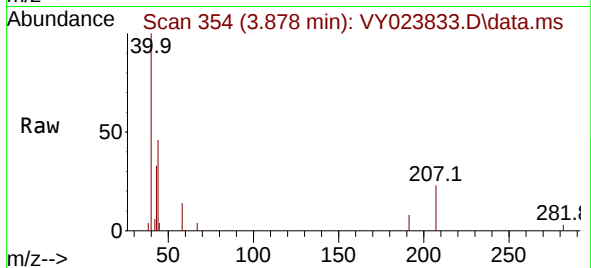




#16
Acetone
Concen: 4.892 ug/l
RT: 3.878 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

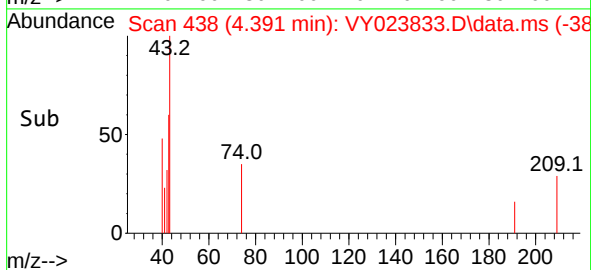
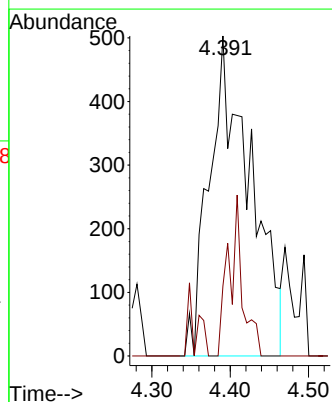
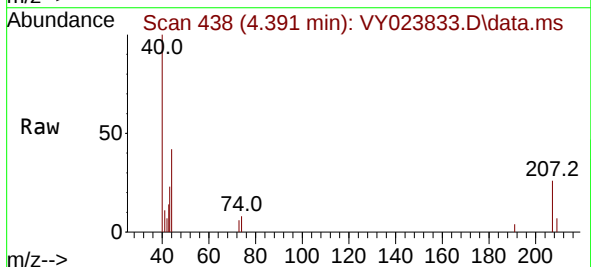
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-15ARE

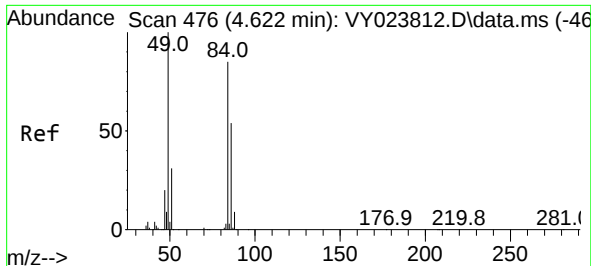
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 54.9 25.4 38.2#



#18
Methyl Acetate
Concen: 5.561 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
74 7.4 19.8 29.8#

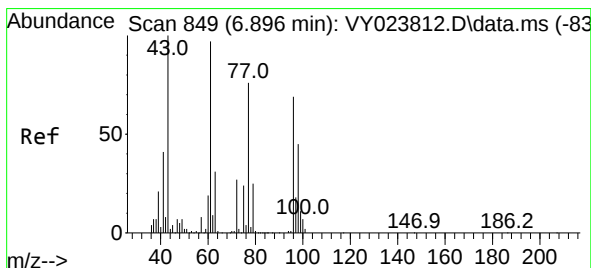
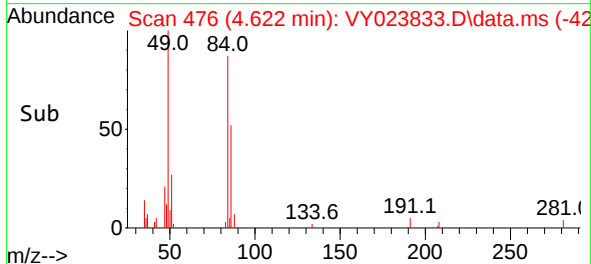
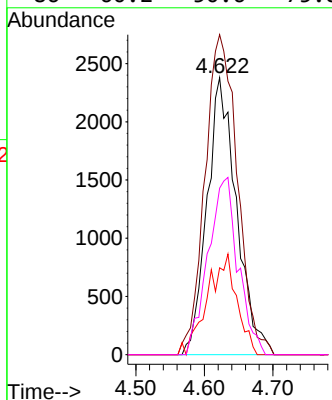
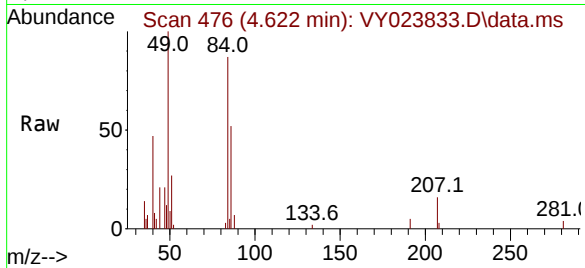




#20
Methylene Chloride
Concen: 9.885 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

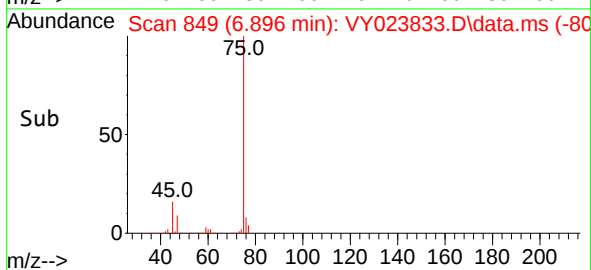
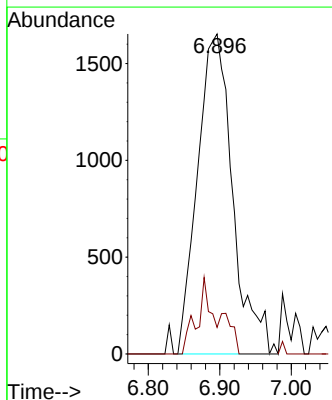
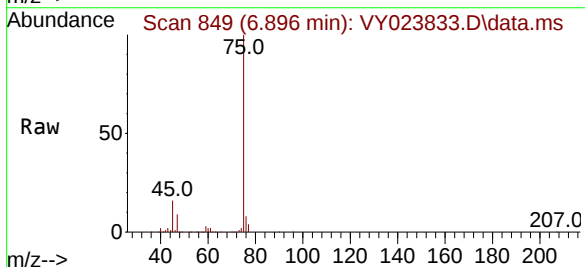
Instrument :
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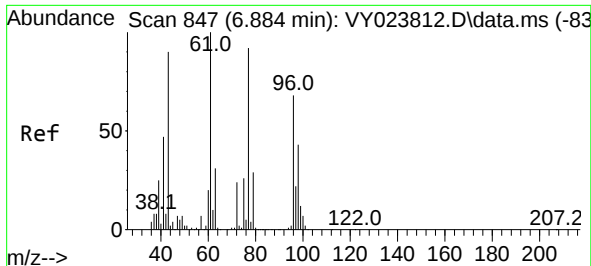
Tgt Ion:	84	Resp:	7125
Ion	Ratio	Lower	Upper
84	100		
49	115.6	94.0	141.0
51	31.4	29.2	43.8
86	60.2	50.6	75.8



#25
2-Butanone
Concen: 27.209 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion:	43	Resp:	5661
Ion	Ratio	Lower	Upper
43	100		
72	8.3	21.3	31.9#





#26

2,2-Dichloropropane

Concen: 7.717 ug/l

RT: 6.896 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

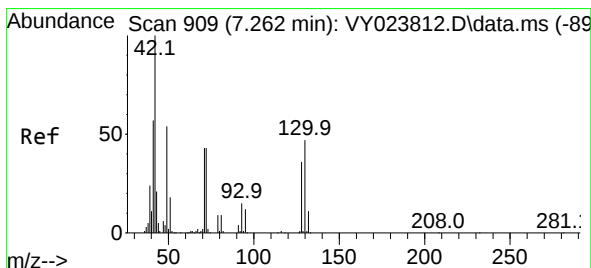
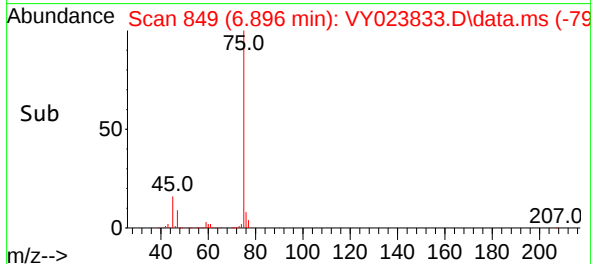
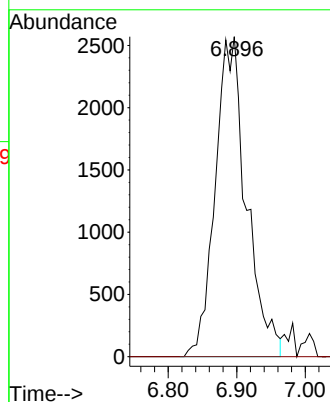
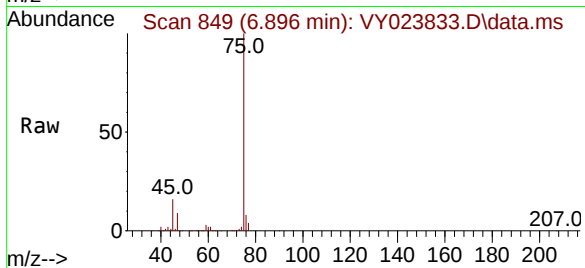
SB-1125-15ARE

Tgt Ion: 77 Resp: 8109

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.4#



#29

Tetrahydrofuran

Concen: 2.801 ug/l

RT: 7.280 min Scan# 912

Delta R.T. 0.018 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

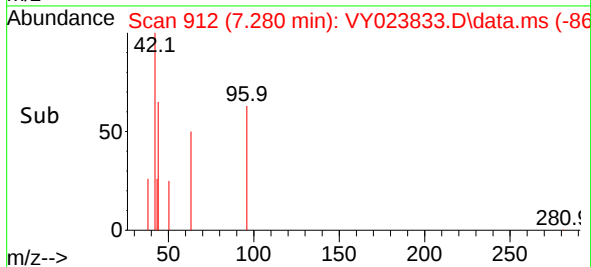
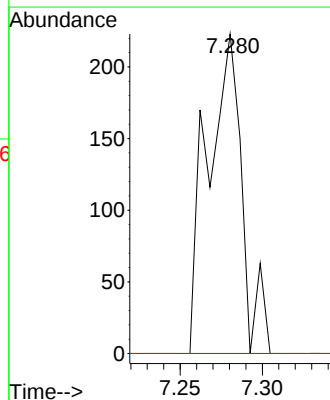
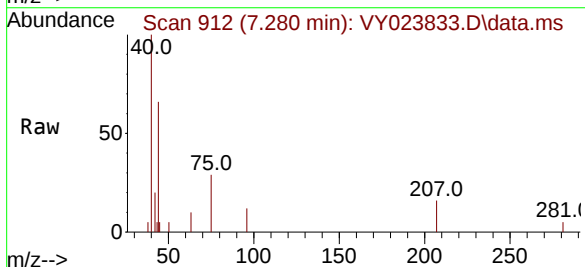
Tgt Ion: 42 Resp: 325

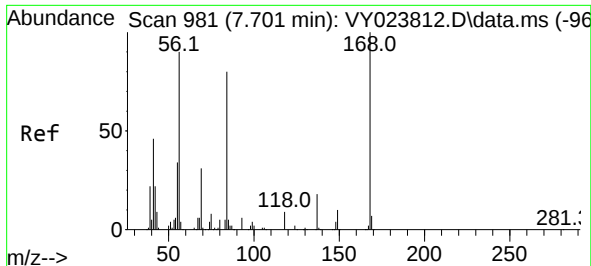
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 33.3 49.9#

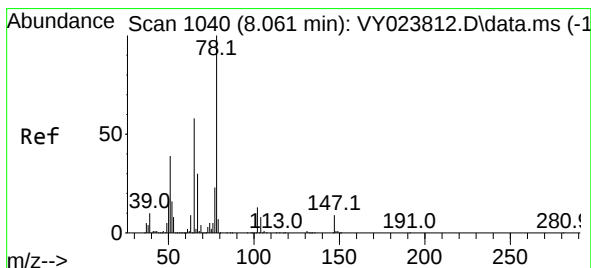
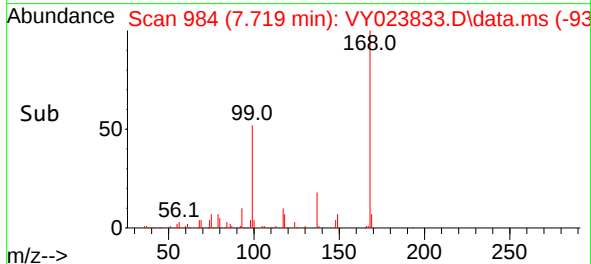
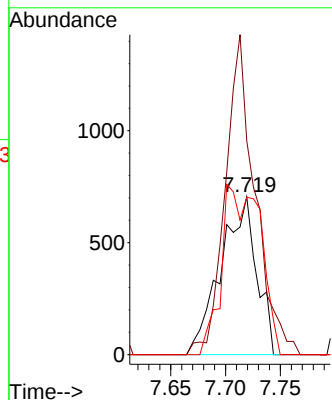
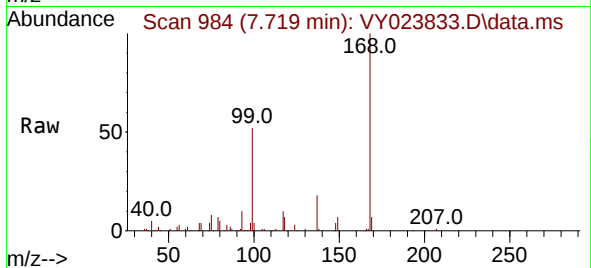




#31
Cyclohexane
Concen: 1.412 ug/l
RT: 7.719 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

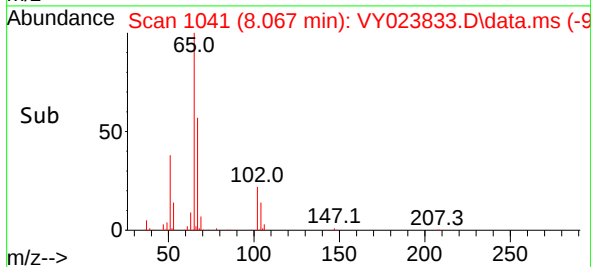
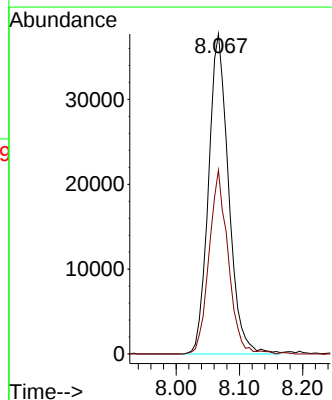
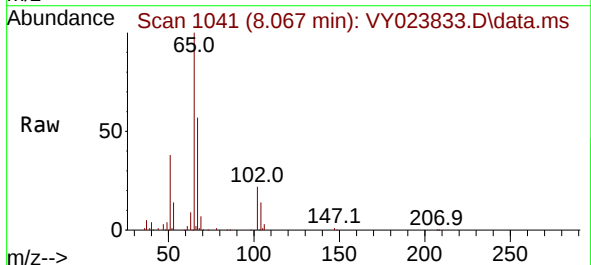
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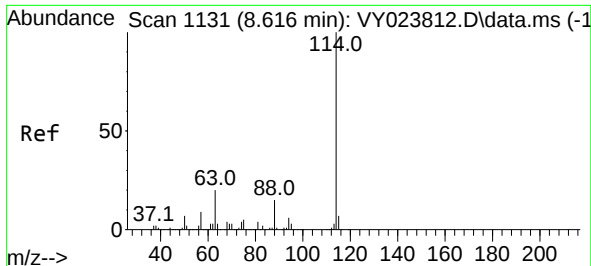
Tgt Ion: 56 Resp: 1606
Ion Ratio Lower Upper
56 100
69 135.5 27.8 41.6#
84 99.7 71.8 107.8



#33
1,2-Dichloroethane-d4
Concen: 140.759 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion: 65 Resp: 83291
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.4

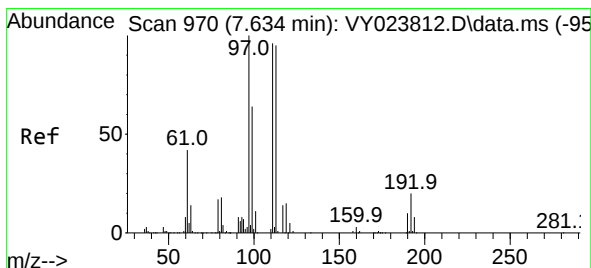
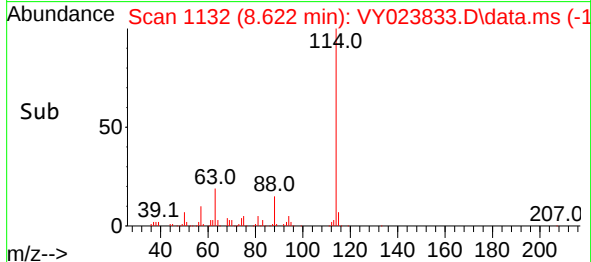
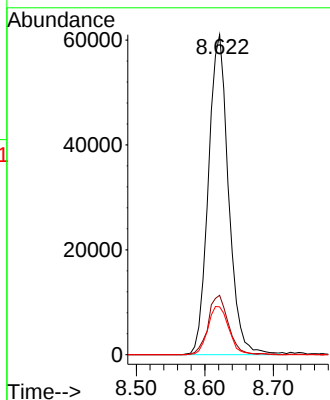
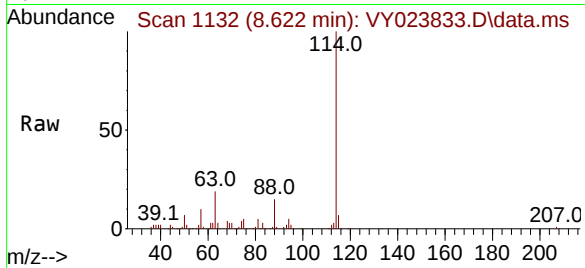




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

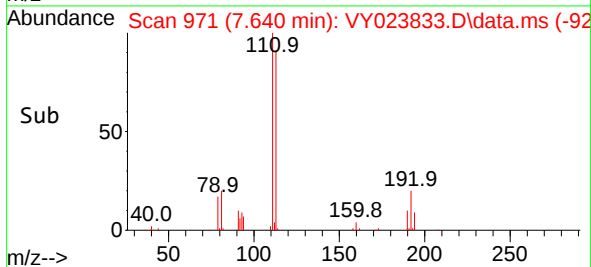
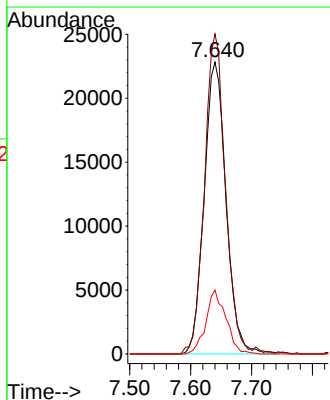
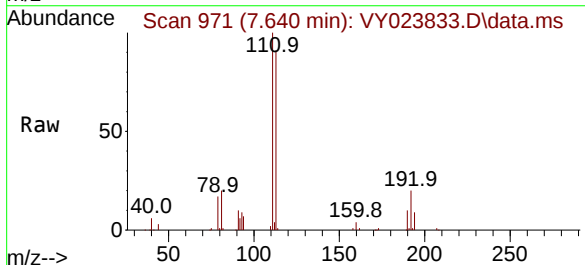
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-15ARE

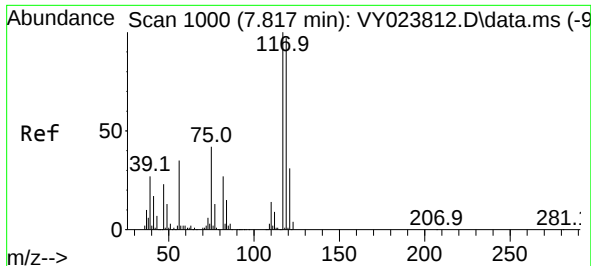
Tgt Ion:114 Resp: 124548
Ion Ratio Lower Upper
114 100
63 18.6 0.0 39.4
88 15.0 0.0 30.8



#35
Dibromofluoromethane
Concen: 77.325 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion:113 Resp: 57051
Ion Ratio Lower Upper
113 100
111 105.0 81.4 122.0
192 20.0 15.8 23.8

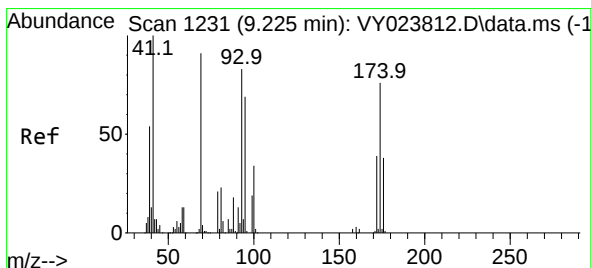
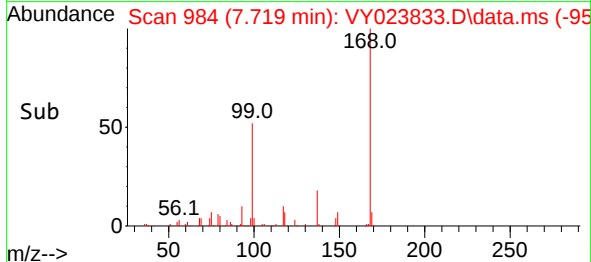
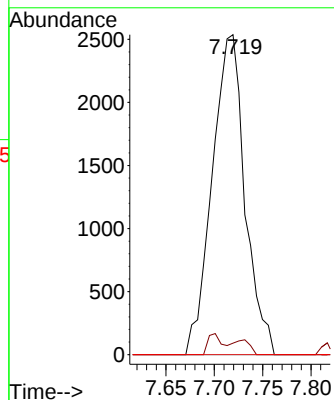
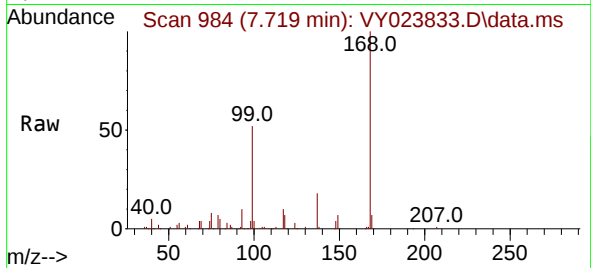




#38
Carbon Tetrachloride
Concen: 4.808 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

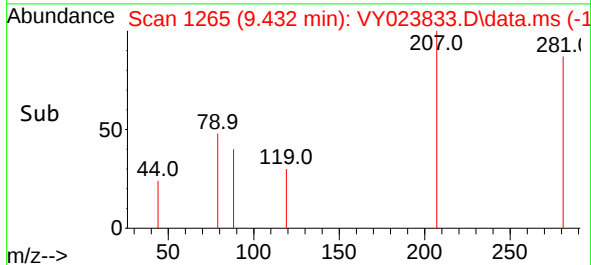
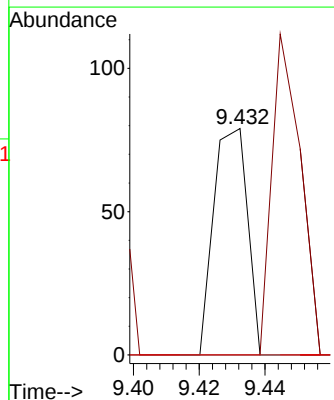
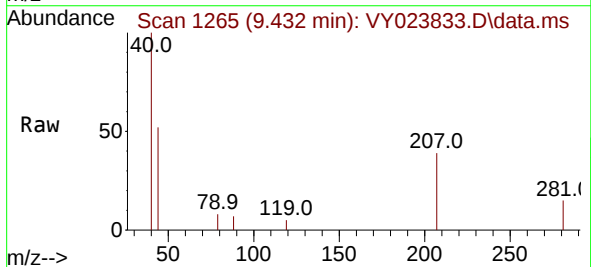
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-15ARE

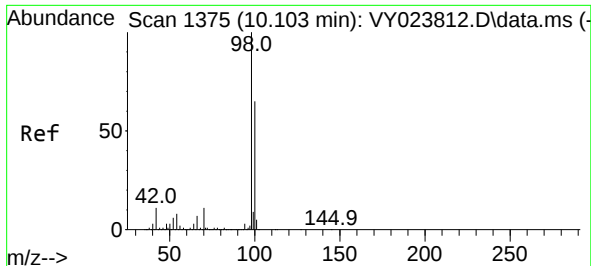
Tgt Ion:117 Resp: 5970
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 11.219 ug/l
RT: 9.432 min Scan# 1265
Delta R.T. 0.207 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 119.6 24.6 37.0#
58 0.0 53.4 80.2#

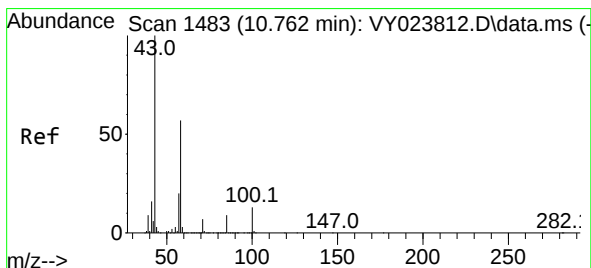
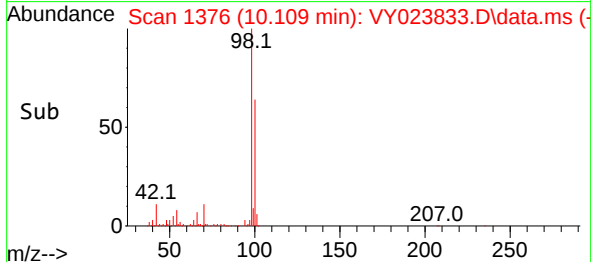
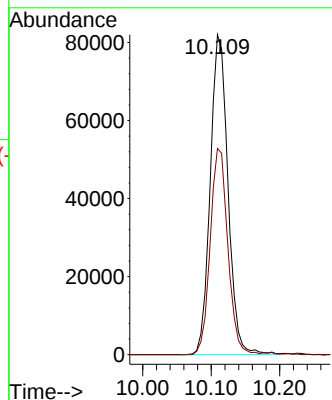
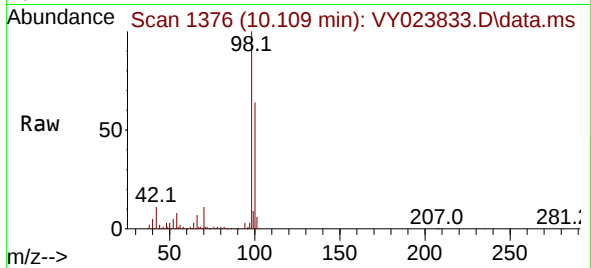




#50
Toluene-d8
Concen: 50.376 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

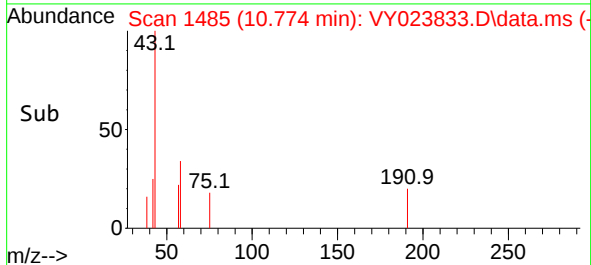
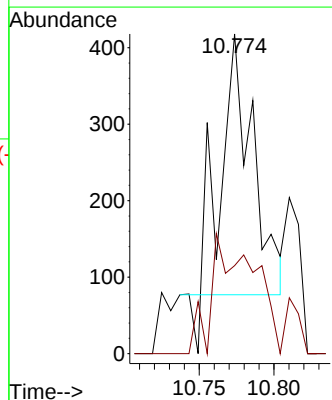
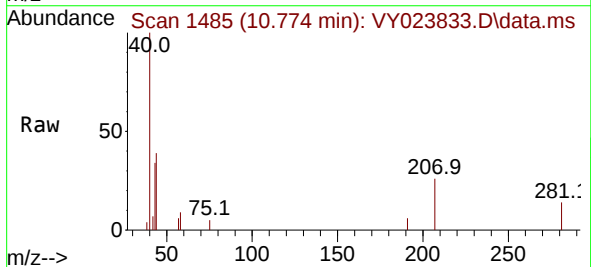
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-15ARE

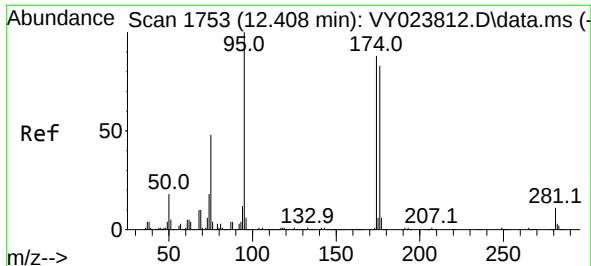
Tgt Ion: 98 Resp: 147632
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#59
2-Hexanone
Concen: 1.268 ug/l
RT: 10.774 min Scan# 1485
Delta R.T. 0.012 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
58 33.2 28.3 85.0

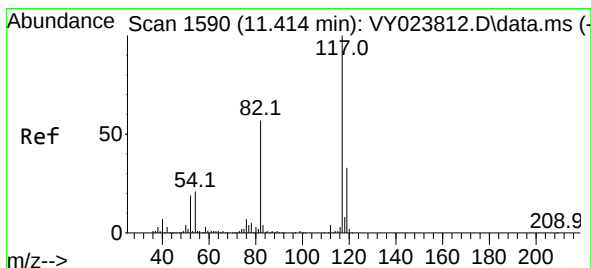
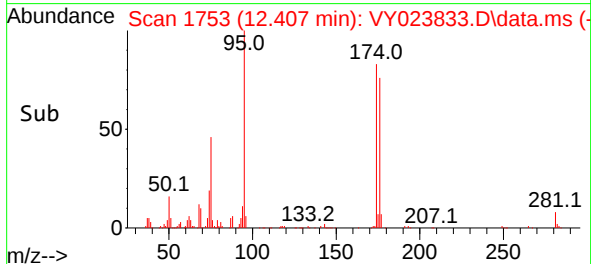
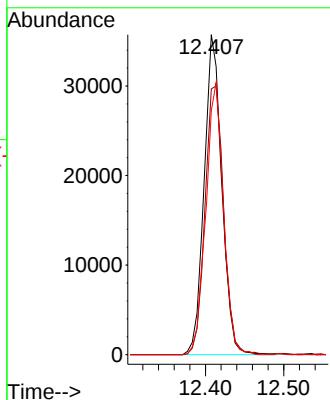
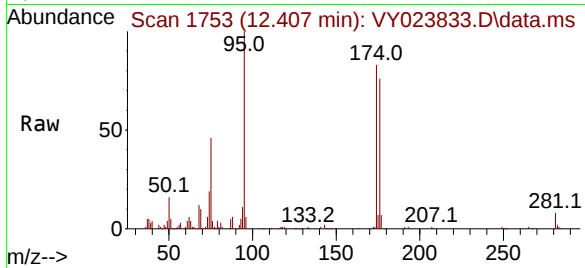




#62
4-Bromofluorobenzene
Concen: 57.919 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

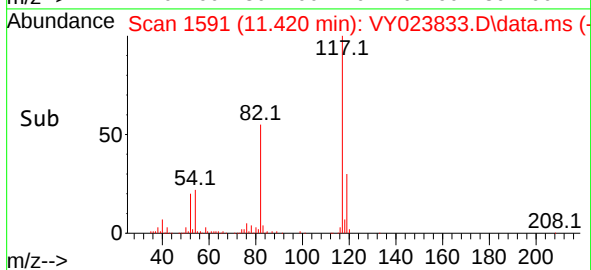
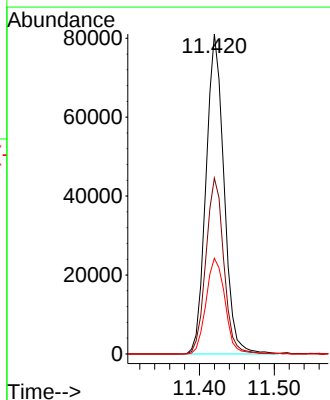
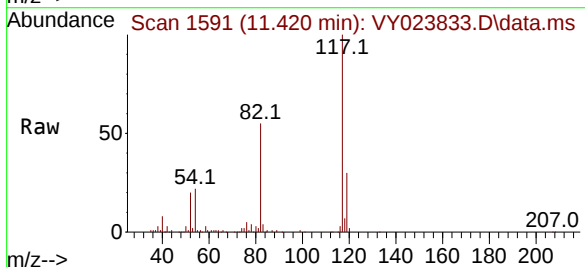
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-15ARE

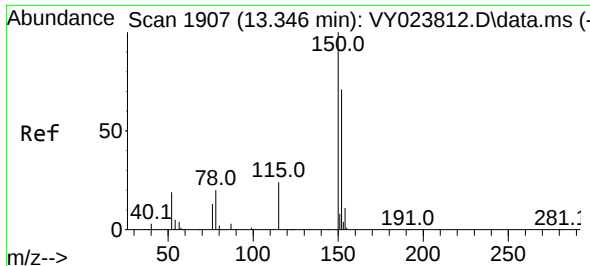
Tgt Ion: 95 Resp: 55849
Ion Ratio Lower Upper
95 100
174 88.9 0.0 168.6
176 85.3 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion: 117 Resp: 135409
Ion Ratio Lower Upper
117 100
82 54.9 45.4 68.0
119 29.9 26.0 39.0

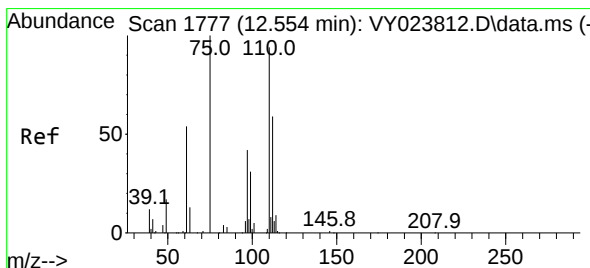
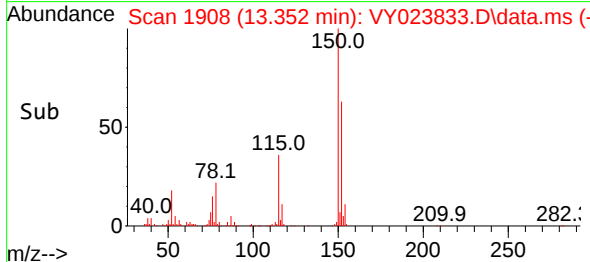
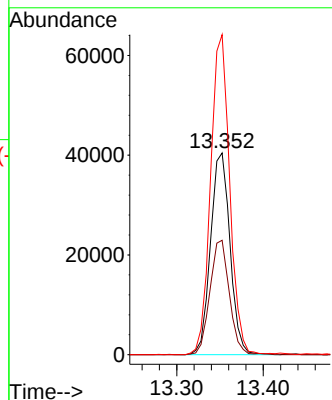
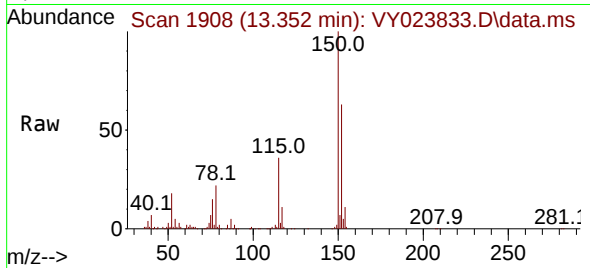




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023833.D
 Acq: 01 Dec 2025 10:38

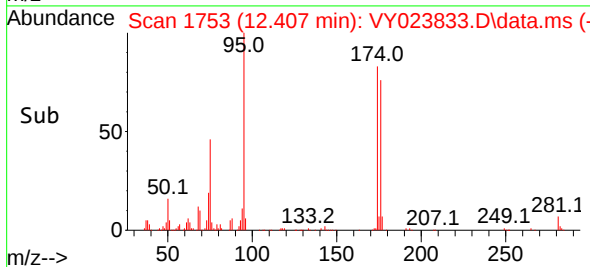
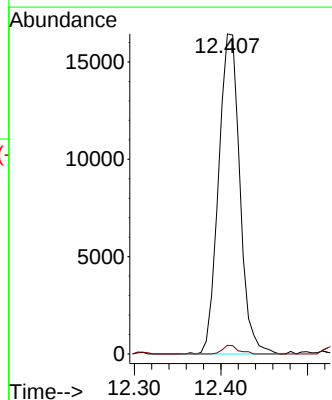
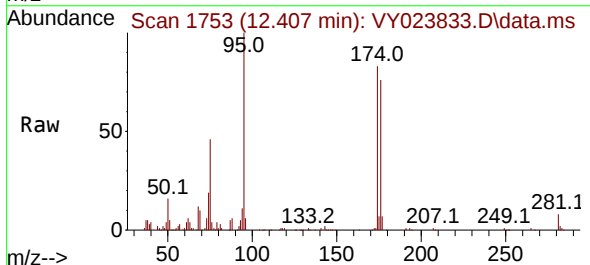
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-15ARE

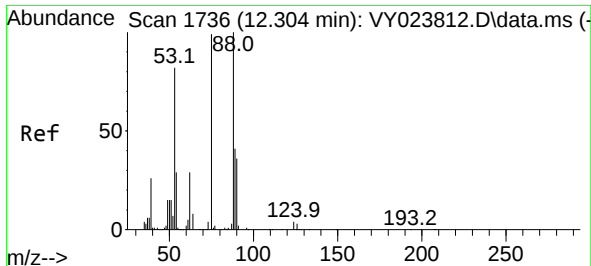
Tgt Ion:152 Resp: 63239
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.7 86.3
 150 155.2 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 51.126 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023833.D
 Acq: 01 Dec 2025 10:38

Tgt Ion: 75 Resp: 28116
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#

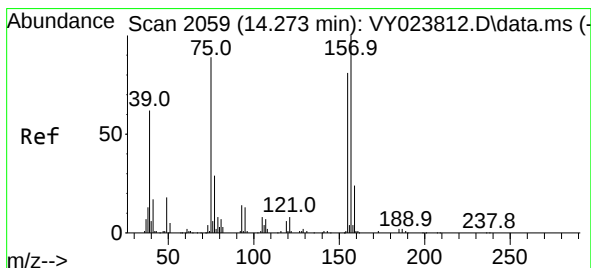
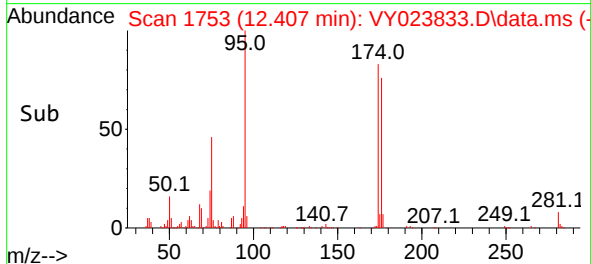
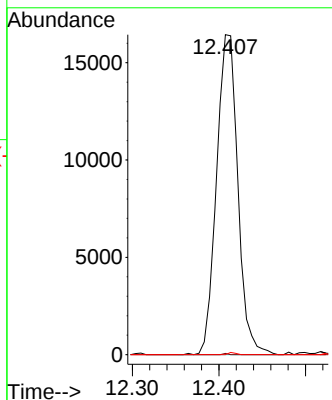
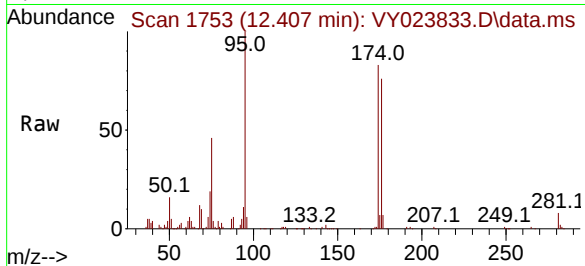




#81
trans-1,4-Dichloro-2-butene
Concen: 108.065 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

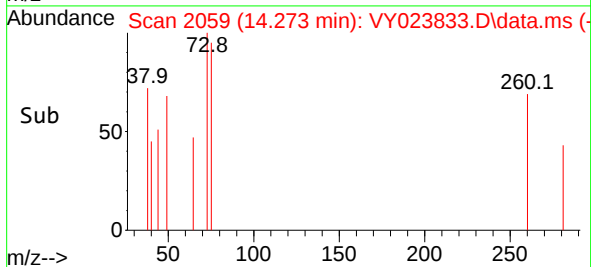
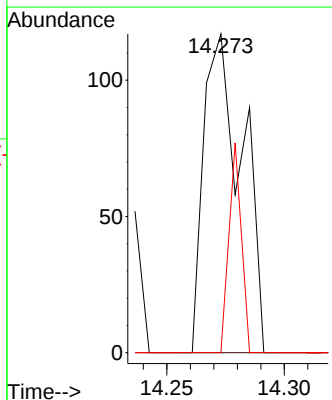
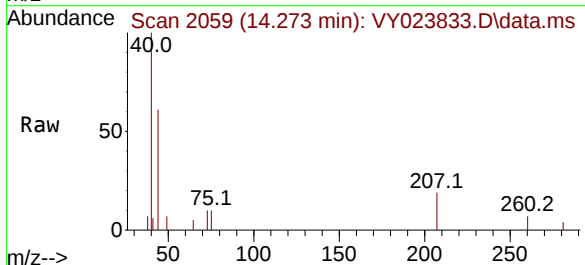
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-15ARE

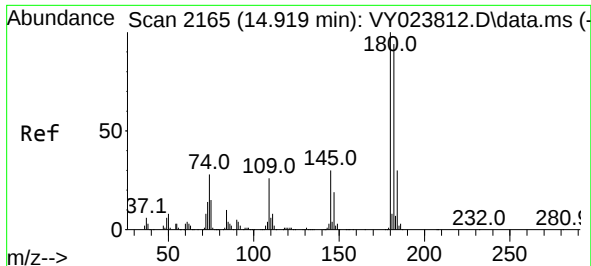
Tgt Ion: 75 Resp: 28116
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.2 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.075 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VY023833.D
Acq: 01 Dec 2025 10:38

Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
155 0.0 44.0 132.1#
157 21.1 54.6 163.8#

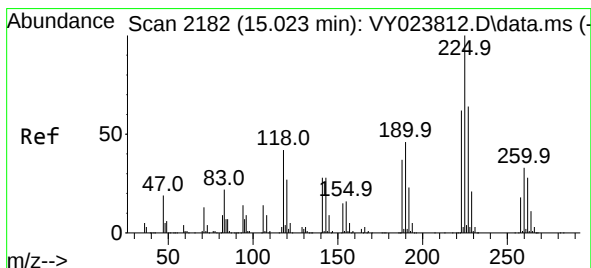
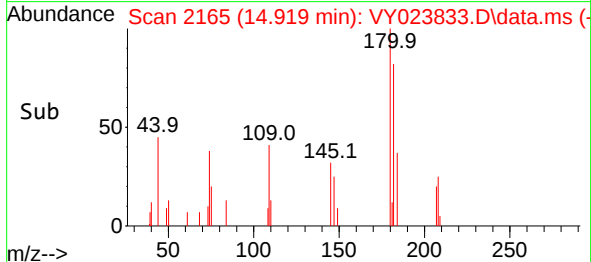
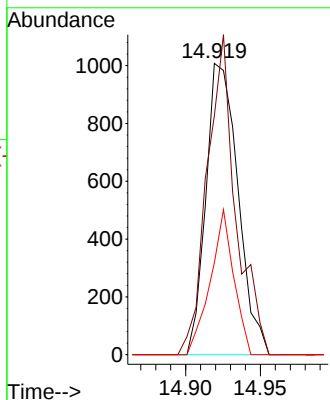
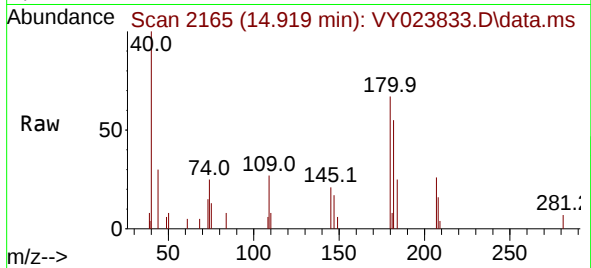




#93
 1,2,4-Trichlorobenzene
 Concen: 1.364 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. -0.000 min
 Lab File: VY023833.D
 Acq: 01 Dec 2025 10:38

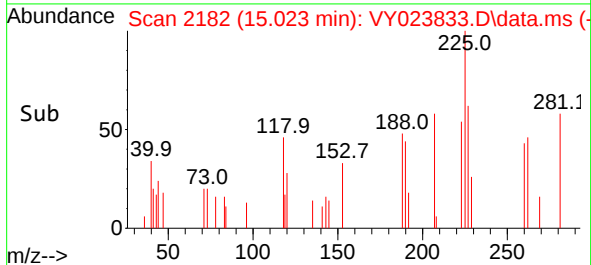
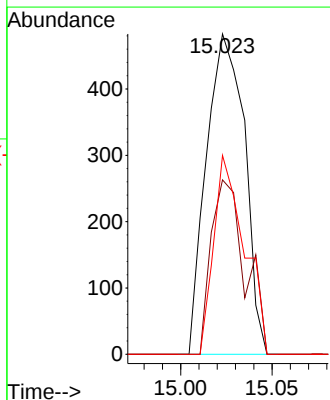
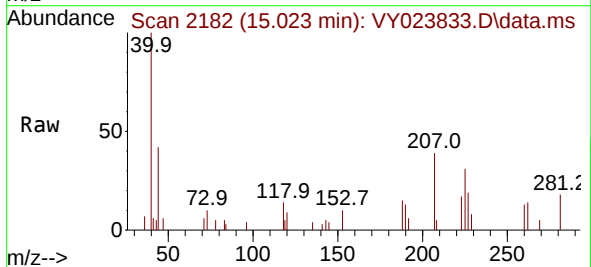
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-15ARE

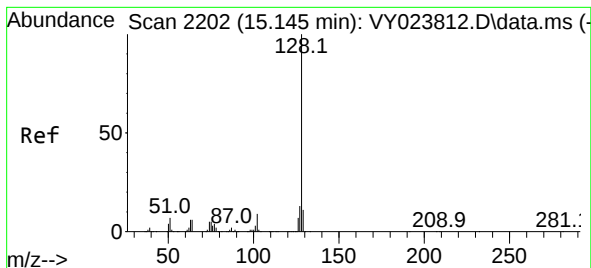
Tgt Ion:	180	Resp:	1505
Ion Ratio	Lower	Upper	
180	100		
182	98.1	47.2	141.6
145	36.3	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 1.020 ug/l
 RT: 15.023 min Scan# 2182
 Delta R.T. -0.000 min
 Lab File: VY023833.D
 Acq: 01 Dec 2025 10:38

Tgt Ion:	225	Resp:	701
Ion Ratio	Lower	Upper	
225	100		
223	48.4	31.9	95.9
227	50.2	32.8	98.3





#95

Naphthalene

Concen: 1.459 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-15ARE

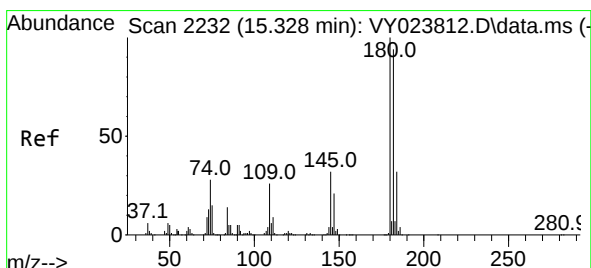
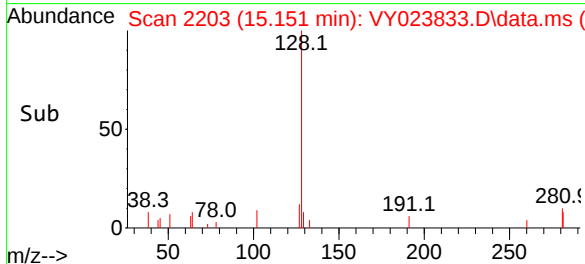
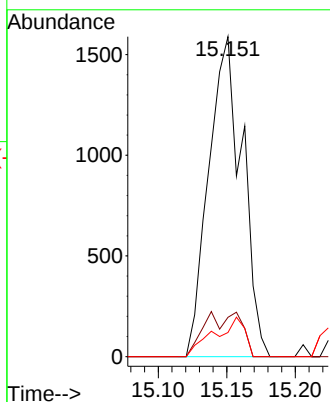
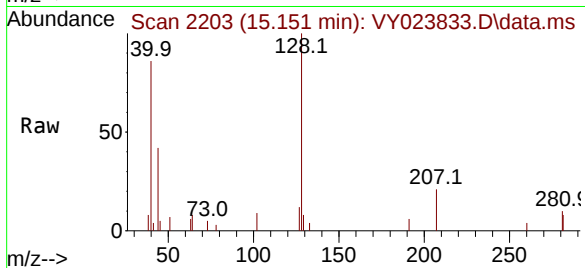
Tgt Ion:128 Resp: 2715

Ion Ratio Lower Upper

128 100

127 7.7 10.2 15.2#

129 11.1 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 1.522 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY023833.D

Acq: 01 Dec 2025 10:38

Tgt Ion:180 Resp: 1430

Ion Ratio Lower Upper

180 100

182 100.3 48.0 144.2

145 39.5 16.5 49.5

