

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048375.D
 Acq On : 27 Oct 2025 16:25
 Operator : JC/MD
 Sample : Q3446-08 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

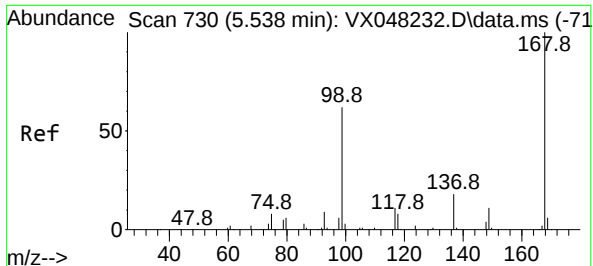
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-21DL

Quant Time: Oct 28 01:56:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

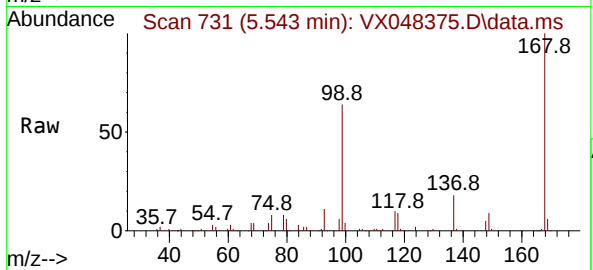
Internal Standards						
1) Pentafluorobenzene	5.543	168	147121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	292939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	295315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	149482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	110931	53.778	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.560%			
35) Dibromofluoromethane	5.379	113	80029	40.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 80.040%			
50) Toluene-d8	8.634	98	329914	47.065	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.120%			
62) 4-Bromofluorobenzene	11.061	95	143845	53.941	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.880%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.471	142	802	0.402	ug/l #	88
11) Tert butyl alcohol	2.922	59	43	0.210	ug/l #	72
16) Acetone	2.373	43	2194	3.100	ug/l #	87
18) Methyl Acetate	2.702	43	415	0.281	ug/l #	74
31) Cyclohexane	5.452	56	683	0.267	ug/l #	58
36) 1,1-Dichloropropene	5.537	75	12502	4.398	ug/l #	51
38) Carbon Tetrachloride	5.537	117	15851	4.520	ug/l #	15
40) Benzene	6.025	78	499430	60.518	ug/l	100
42) 1,2-Dichloroethane	6.025	62	5041	1.655	ug/l #	76
48) Methyl methacrylate	7.799	41	953	0.488	ug/l #	47
52) Toluene	8.701	92	201066	38.351	ug/l	99
53) t-1,3-Dichloropropene	8.701	75	2286	0.719	ug/l #	1
55) 1,1,2-Trichloroethane	9.000	97	1238	0.635	ug/l #	14
67) Ethyl Benzene	10.177	91	23661	2.092	ug/l	99
68) m/p-Xylenes	10.280	106	52298	12.445	ug/l	99
69) o-Xylene	10.622	106	46367	11.428	ug/l	100
70) Styrene	10.640	104	9638	1.395	ug/l #	21
76) 1,2,3-Trichloropropane	11.061	75	75705	31.230	ug/l #	33
78) n-propylbenzene	11.286	91	2996	0.237	ug/l	99
79) 2-Chlorotoluene	11.359	91	2224	0.290	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.433	105	13700	1.516	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.061	75	75705	75.981	ug/l #	10
83) tert-Butylbenzene	11.731	119	4340	0.467	ug/l #	49
84) 1,2,4-Trimethylbenzene	11.731	105	39129	4.339	ug/l	96
85) sec-Butylbenzene	11.731	105	39129	3.503	ug/l #	56
95) Naphthalene	13.755	128	194160	22.365	ug/l	99

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

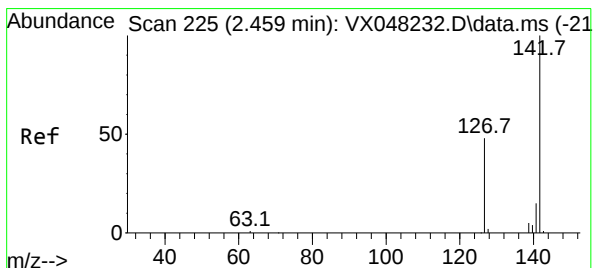
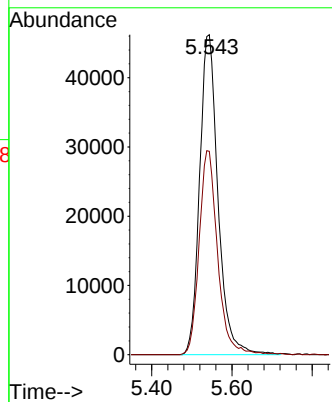
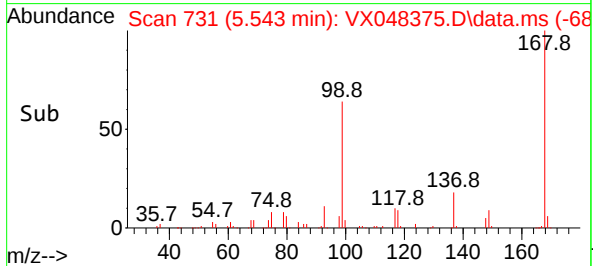


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
SB-21DL

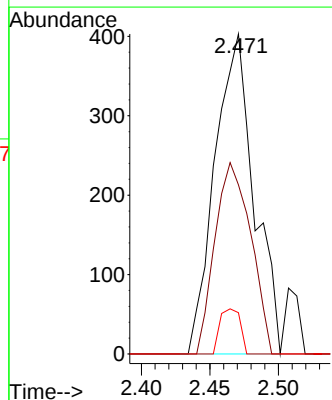
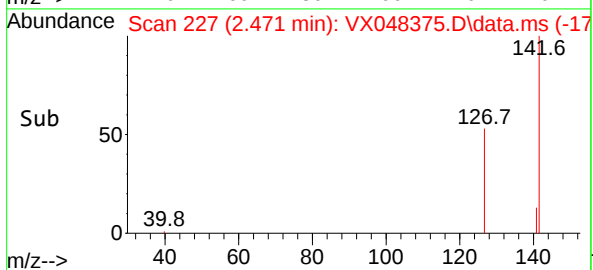
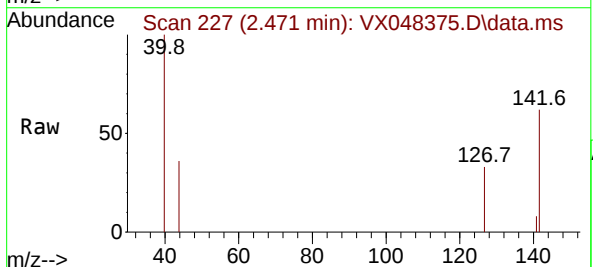


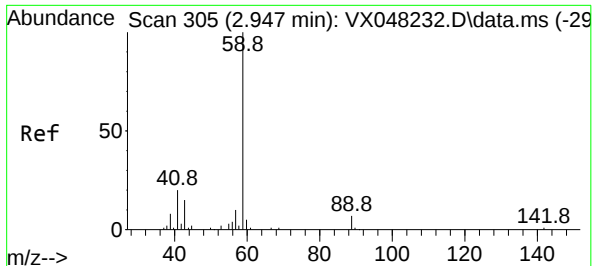
Tgt Ion:168 Resp: 147121
Ion Ratio Lower Upper
168 100
99 63.6 46.4 69.6



#10
Methyl Iodide
Concen: 0.402 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.012 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion:142 Resp: 802
Ion Ratio Lower Upper
142 100
127 54.7 38.5 57.7
141 7.4 11.6 17.4#





#11

Tert butyl alcohol

Concen: 0.210 ug/l

RT: 2.922 min Scan# 305

Delta R.T. -0.019 min

Lab File: VX048375.D

Acq: 27 Oct 2025 16:25

Instrument :

MSVOA_X

ClientSampleId :

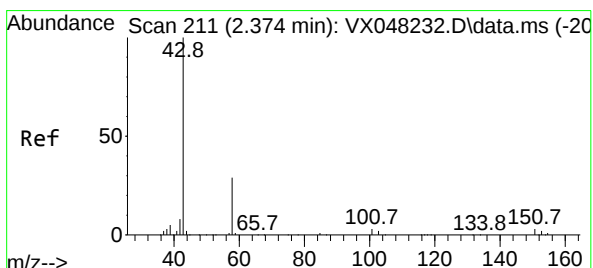
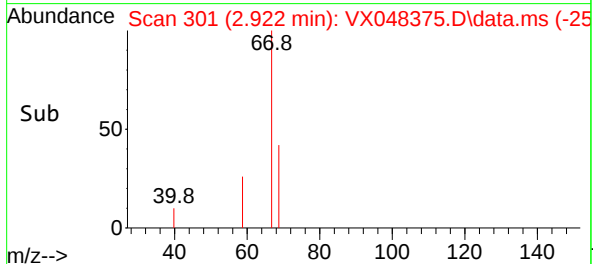
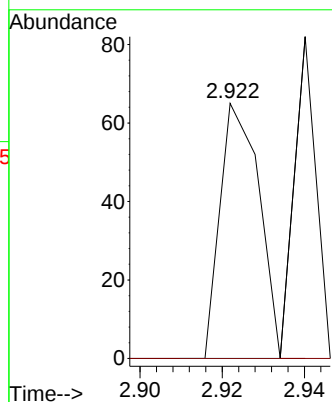
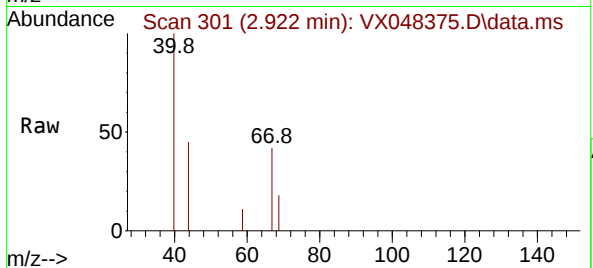
SB-21DL

Tgt Ion: 59 Resp: 43

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 3.100 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048375.D

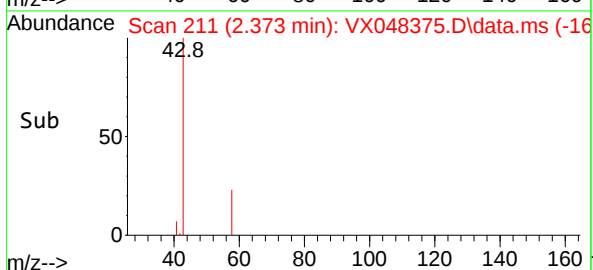
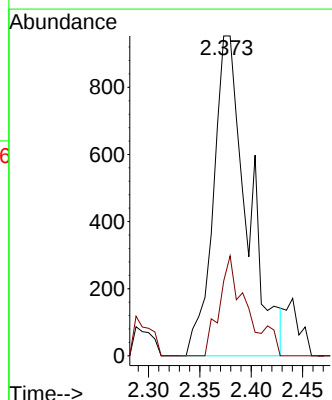
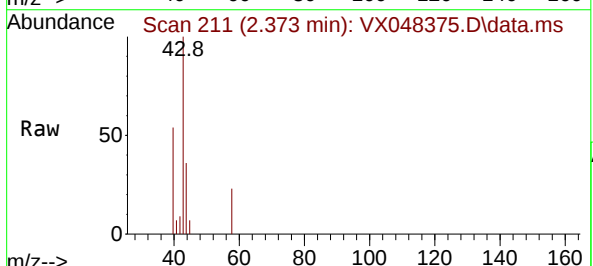
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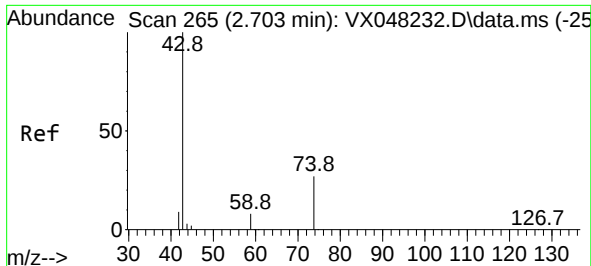
Tgt Ion: 43 Resp: 2194

Ion Ratio Lower Upper

43 100

58 22.5 23.4 35.2#

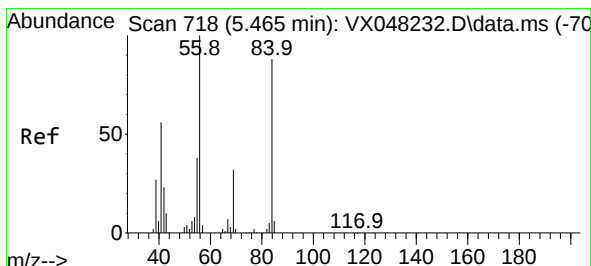
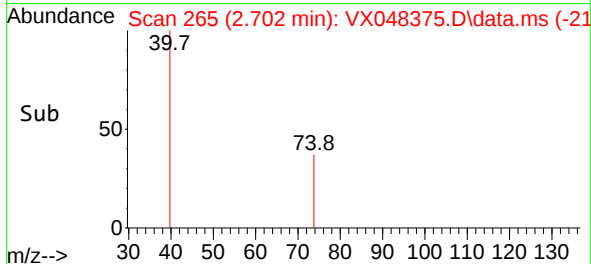
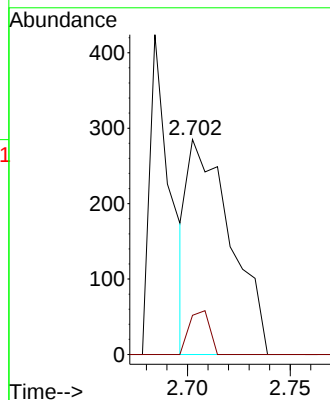
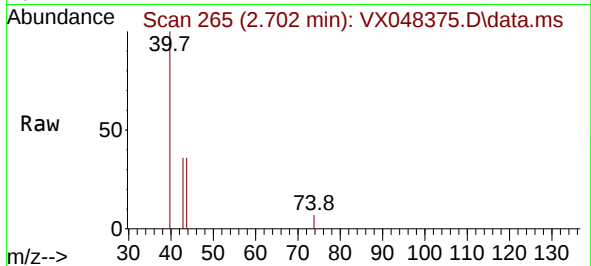




#18
Methyl Acetate
Concen: 0.281 ug/l
RT: 2.702 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

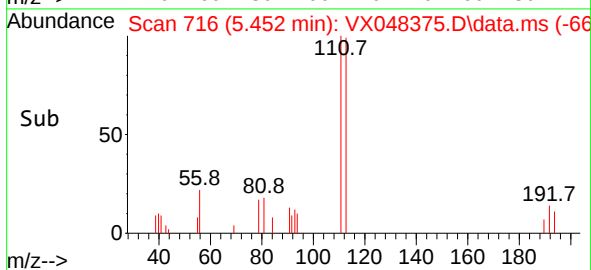
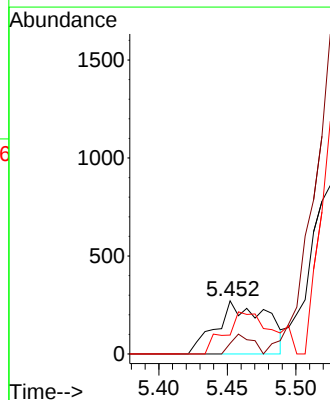
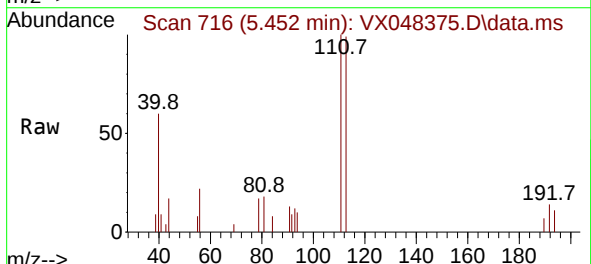
Instrument :
MSVOA_X
ClientSampleId :
SB-21DL

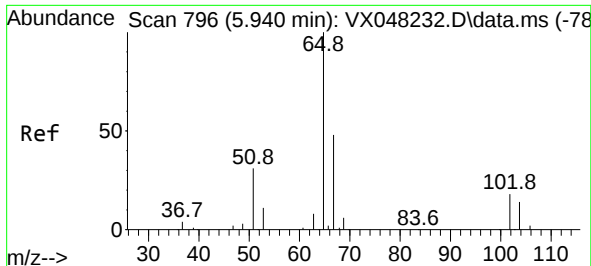
Tgt Ion: 43 Resp: 415
Ion Ratio Lower Upper
43 100
74 9.6 17.5 26.3#



#31
Cyclohexane
Concen: 0.267 ug/l
RT: 5.452 min Scan# 716
Delta R.T. -0.006 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion: 56 Resp: 683
Ion Ratio Lower Upper
56 100
69 19.9 23.0 34.6#
84 35.4 64.6 97.0#

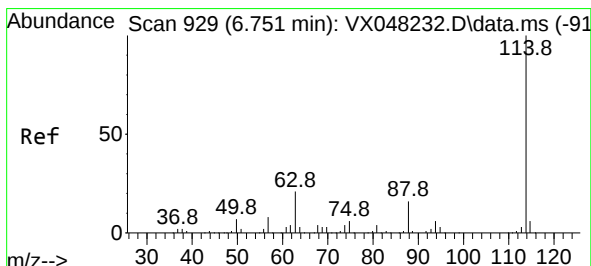
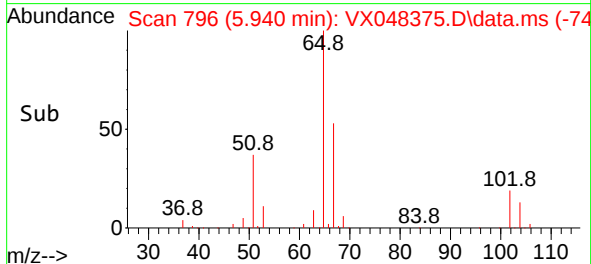
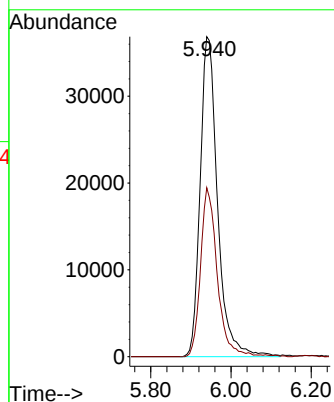
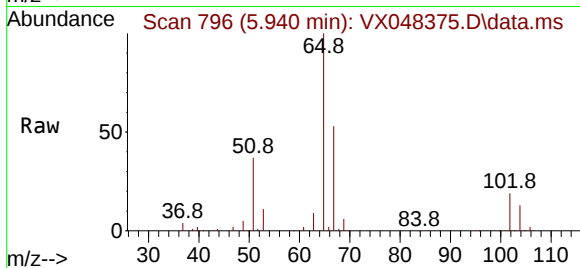




#33
 1,2-Dichloroethane-d4
 Concen: 53.778 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048375.D
 Acq: 27 Oct 2025 16:25

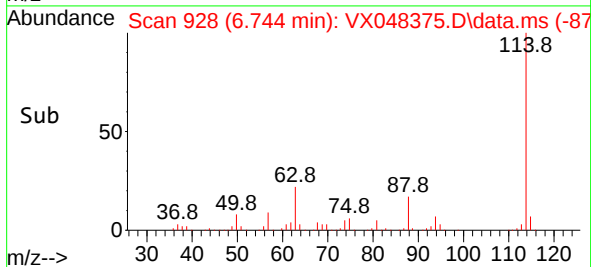
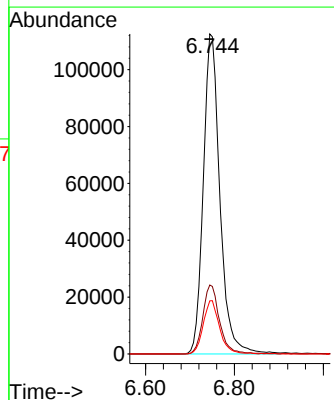
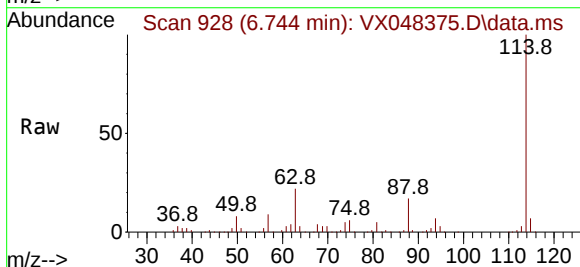
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-21DL

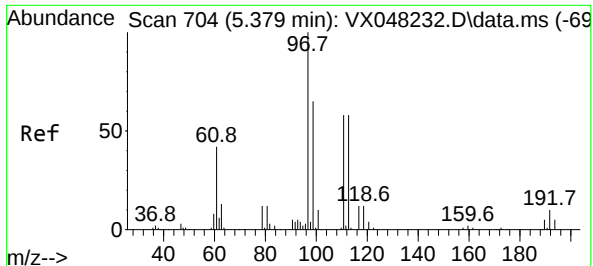
Tgt Ion: 65 Resp: 110931
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.744 min Scan# 928
 Delta R.T. -0.001 min
 Lab File: VX048375.D
 Acq: 27 Oct 2025 16:25

Tgt Ion: 114 Resp: 292939
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 16.6 0.0 33.6

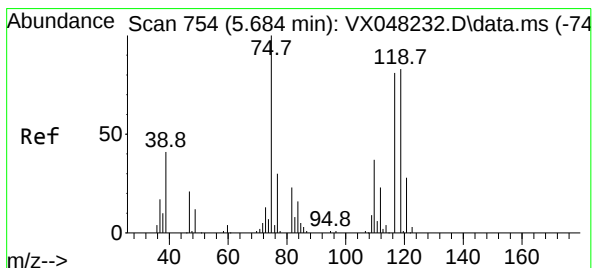
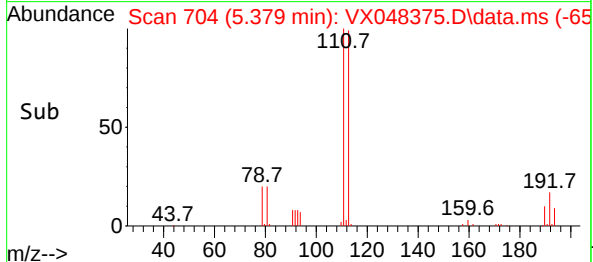
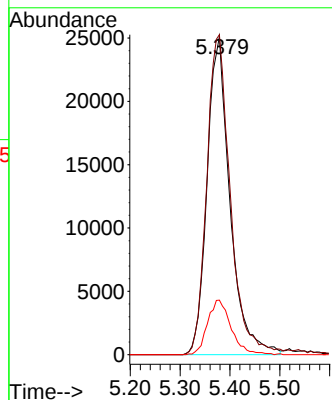
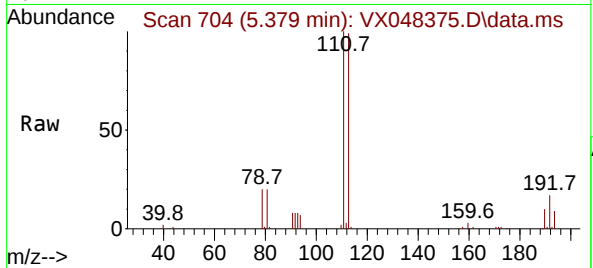




#35
Dibromofluoromethane
Concen: 40.017 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

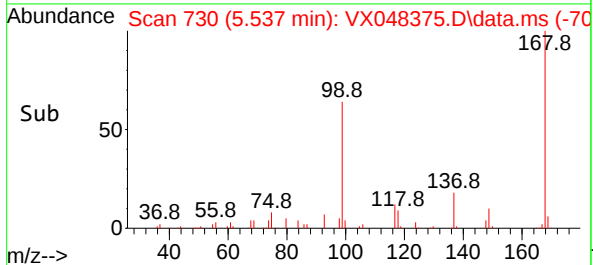
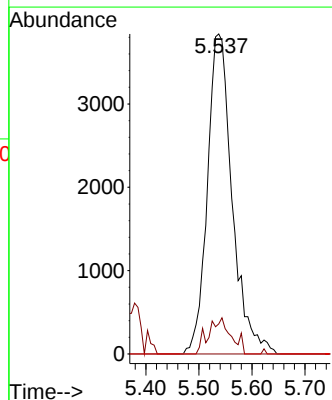
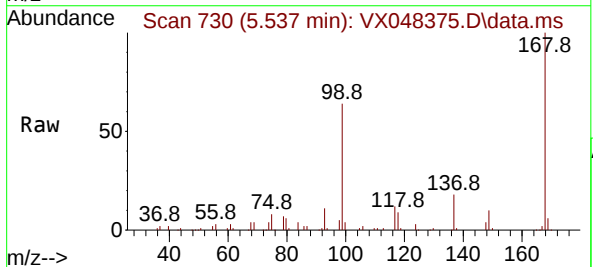
Instrument :
MSVOA_X
ClientSampleId :
SB-21DL

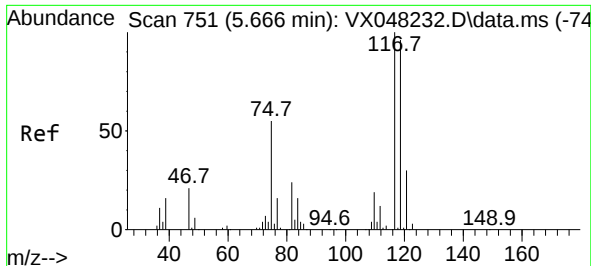
Tgt Ion:113 Resp: 80029
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.4
192 17.7 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.398 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.147 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion: 75 Resp: 12502
Ion Ratio Lower Upper
75 100
110 10.2 17.7 53.1#
77 0.0 24.3 36.5#

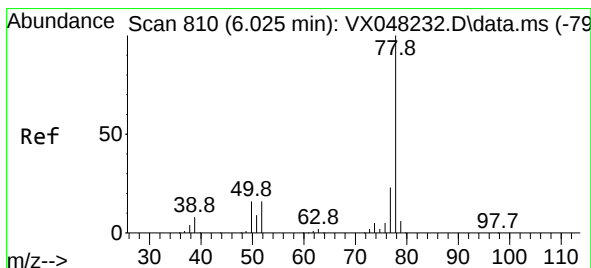
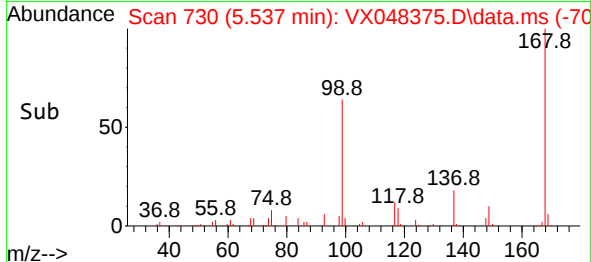
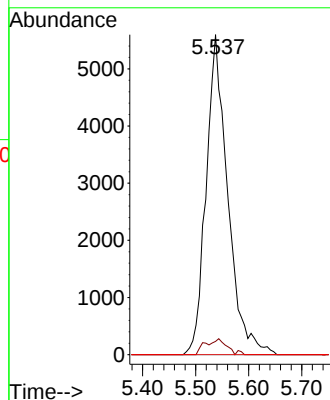
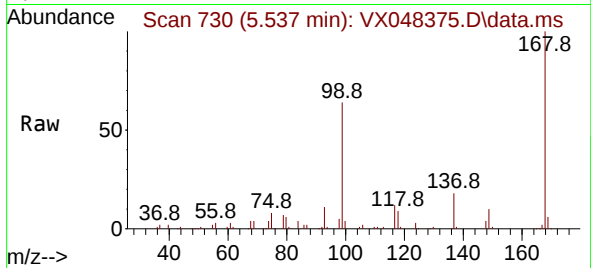




#38
Carbon Tetrachloride
Concen: 4.520 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

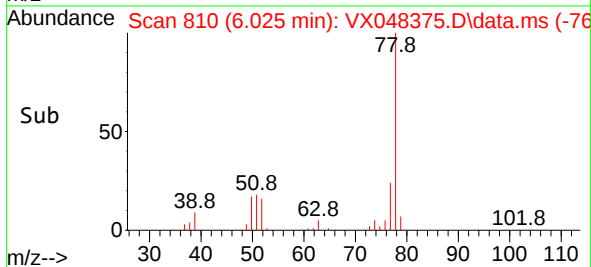
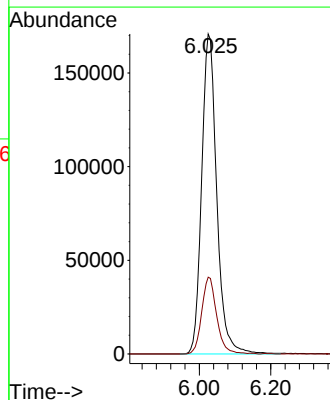
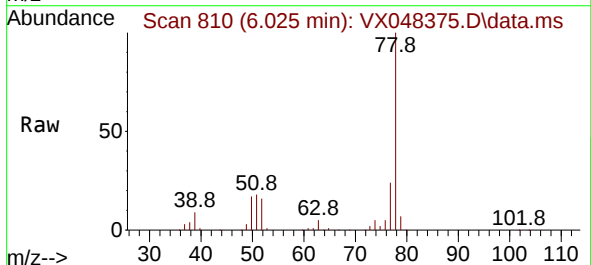
Instrument :
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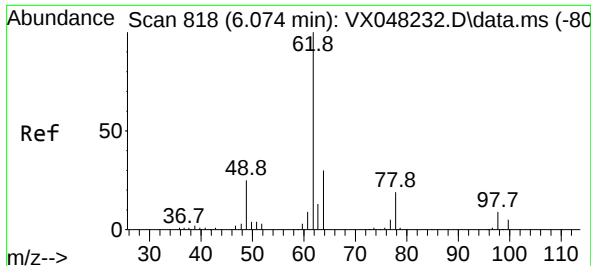
Tgt Ion:117 Resp: 15851
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 60.518 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion: 78 Resp: 499430
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9





#42

1,2-Dichloroethane

Concen: 1.655 ug/l

RT: 6.025 min Scan# 81

Delta R.T. -0.043 min

Lab File: VX048375.D

Acq: 27 Oct 2025 16:25

Instrument :

MSVOA_X

ClientSampleId :

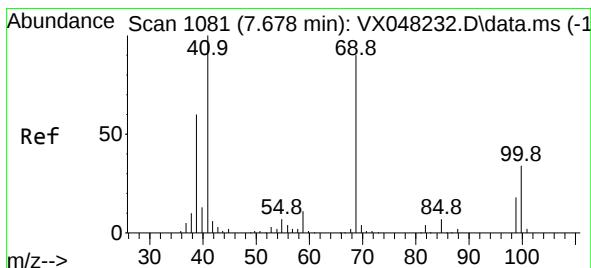
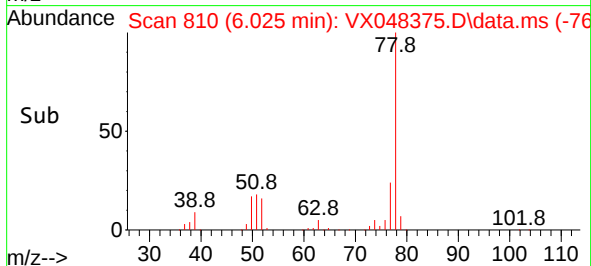
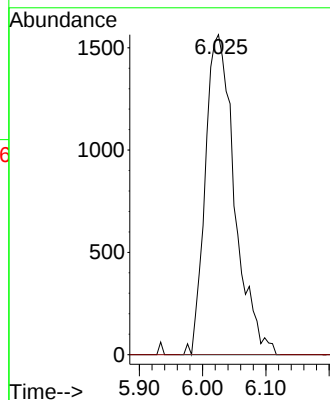
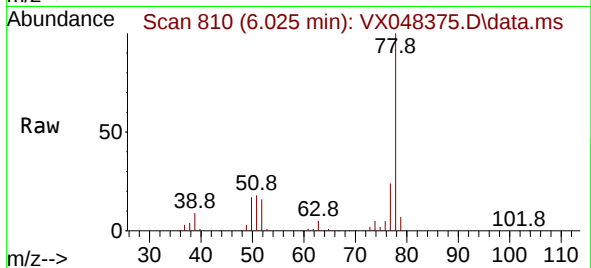
SB-21DL

Tgt Ion: 62 Resp: 5041

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.2



#48

Methyl methacrylate

Concen: 0.488 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.122 min

Lab File: VX048375.D

Acq: 27 Oct 2025 16:25

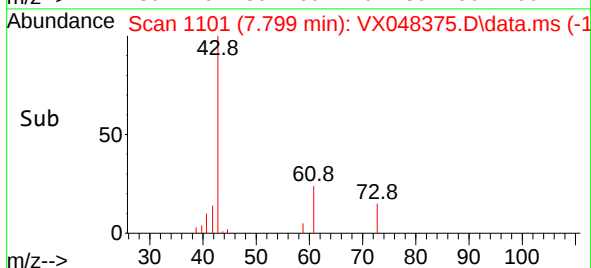
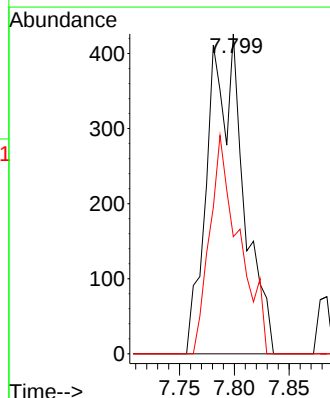
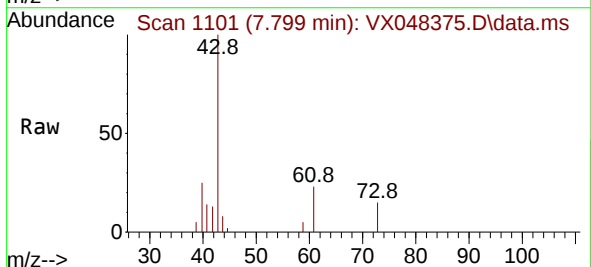
Tgt Ion: 41 Resp: 953

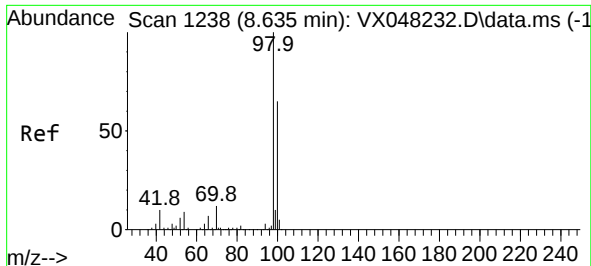
Ion Ratio Lower Upper

41 100

69 0.0 63.4 95.0#

39 56.9 47.1 70.7

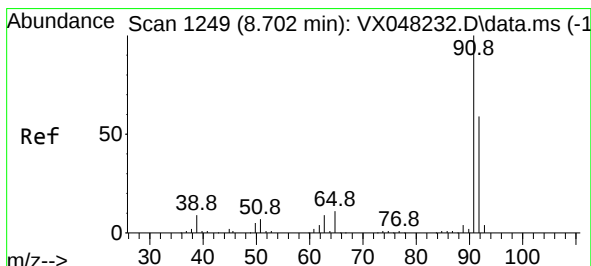
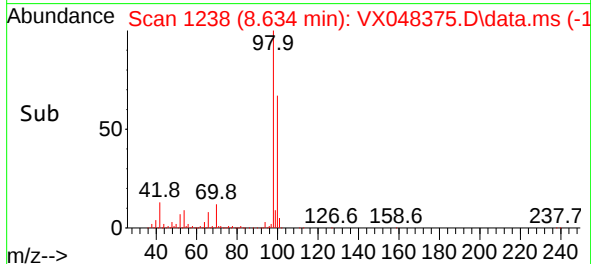
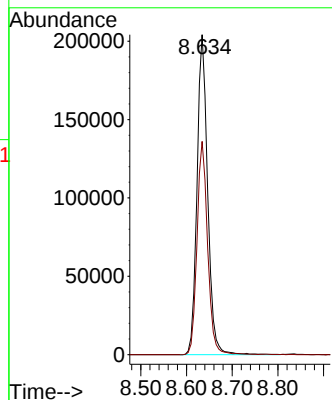
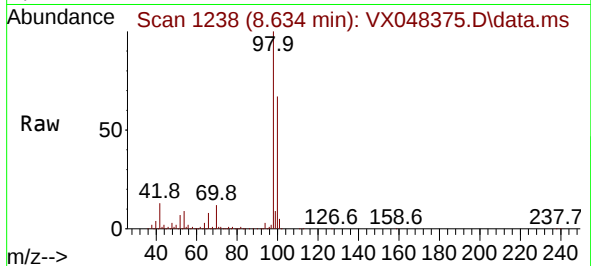




#50
Toluene-d8
Concen: 47.065 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

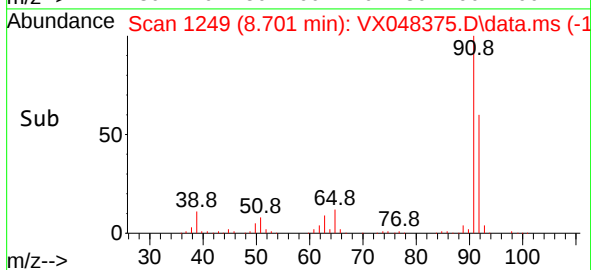
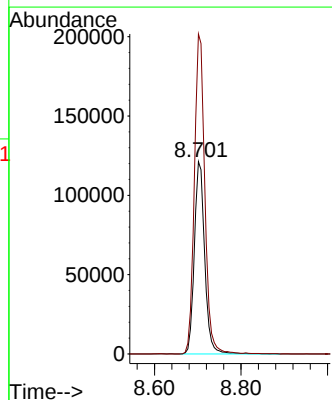
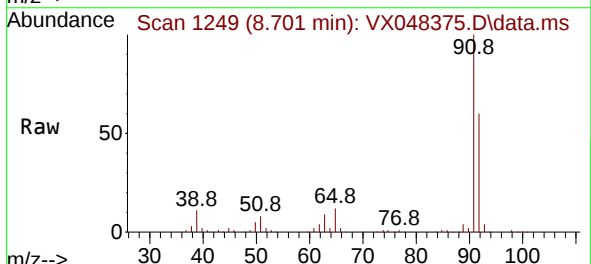
Instrument :
MSVOA_X
ClientSampleId :
SB-21DL

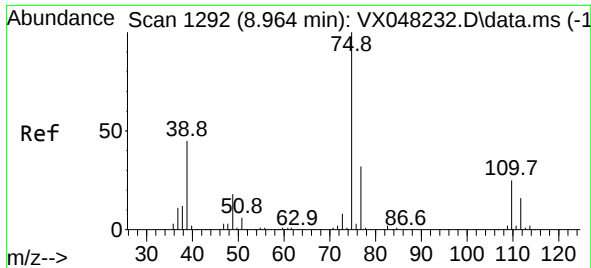
Tgt Ion: 98 Resp: 329914
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#52
Toluene
Concen: 38.351 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion: 92 Resp: 201066
Ion Ratio Lower Upper
92 100
91 168.2 136.1 204.1

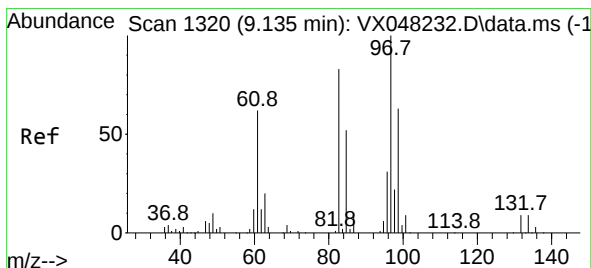
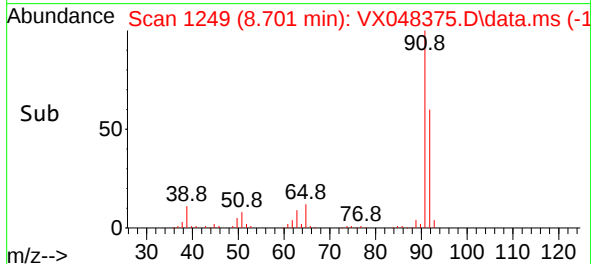
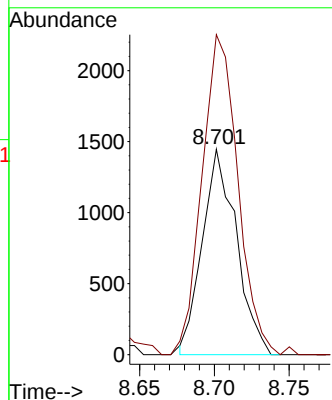
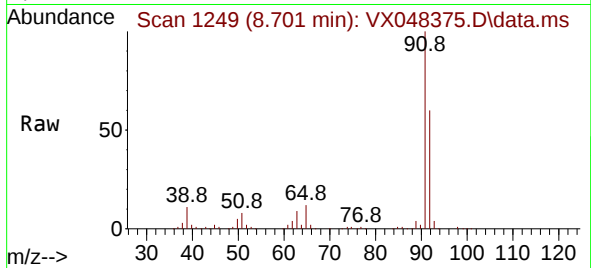




#53
t-1,3-Dichloropropene
Concen: 0.719 ug/l
RT: 8.701 min Scan# 11
Delta R.T. -0.263 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

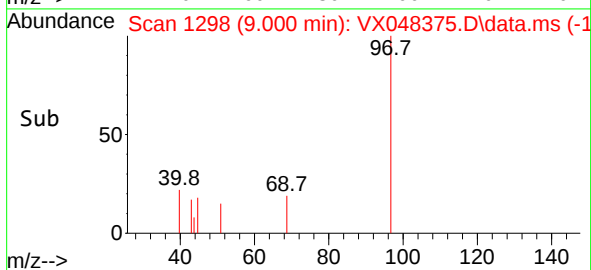
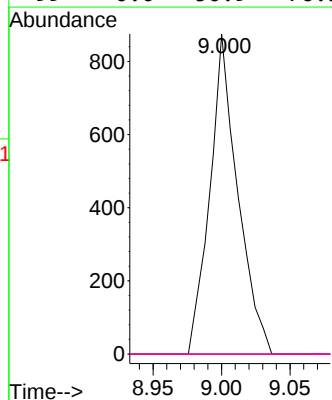
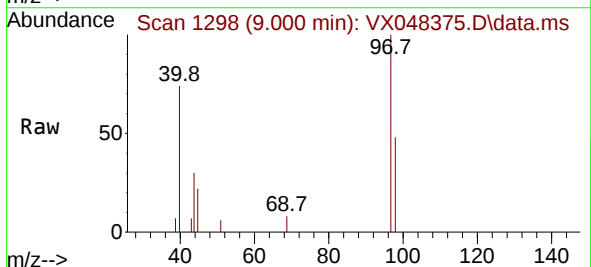
Instrument :
MSVOA_X
ClientSampleId :
SB-21DL

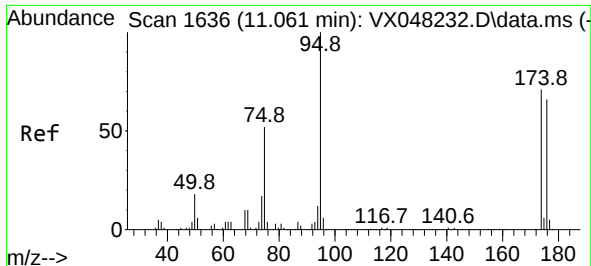
Tgt Ion: 75 Resp: 2286
Ion Ratio Lower Upper
75 100
77 155.8 25.0 37.6#



#55
1,1,2-Trichloroethane
Concen: 0.635 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. -0.134 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion: 97 Resp: 1238
Ion Ratio Lower Upper
97 100
83 0.0 70.6 105.8#
85 0.0 45.0 67.6#
99 0.0 50.9 76.3#

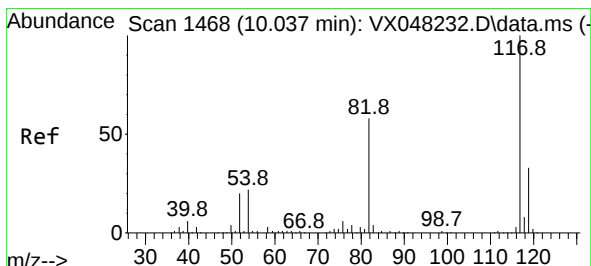
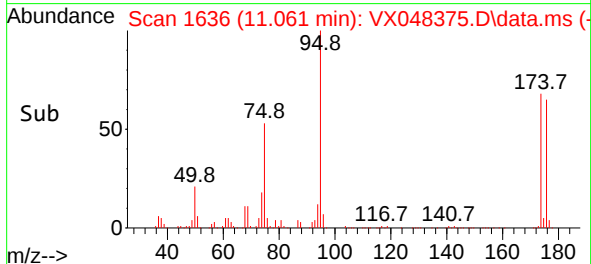
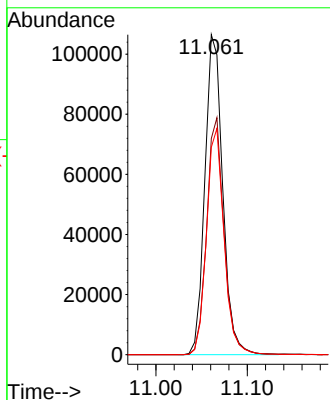
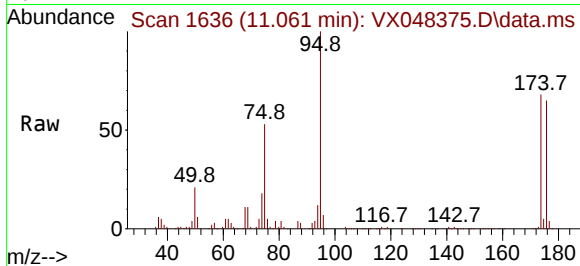




#62
4-Bromofluorobenzene
Concen: 53.941 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

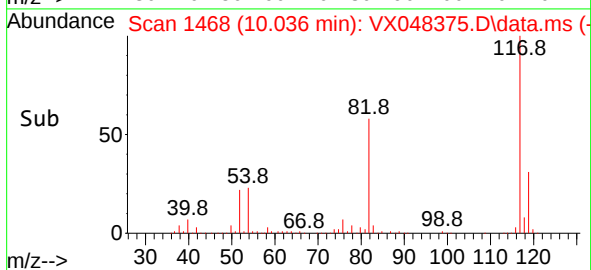
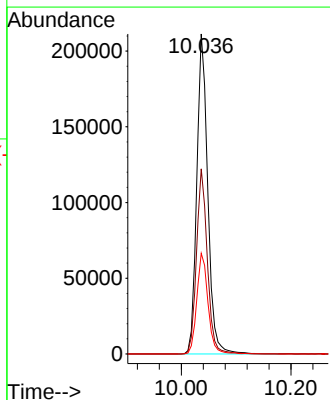
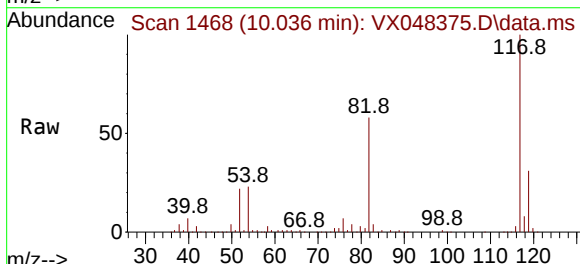
Instrument :
MSVOA_X
ClientSampleId :
SB-21DL

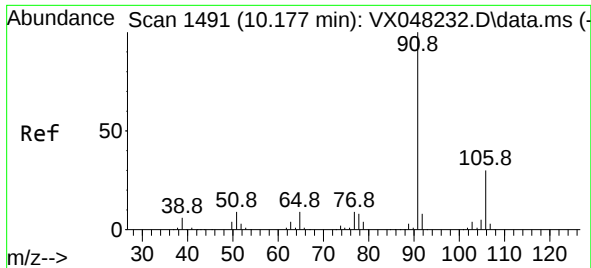
Tgt Ion: 95 Resp: 143845
Ion Ratio Lower Upper
95 100
174 72.4 0.0 147.8
176 69.8 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion: 117 Resp: 295315
Ion Ratio Lower Upper
117 100
82 57.8 46.5 69.7
119 31.4 25.9 38.9





#67

Ethyl Benzene

Concen: 2.092 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048375.D

Acq: 27 Oct 2025 16:25

Instrument :

MSVOA_X

ClientSampleId :

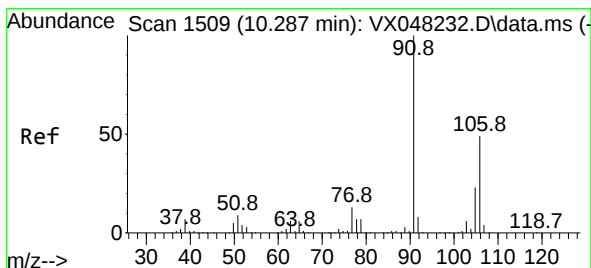
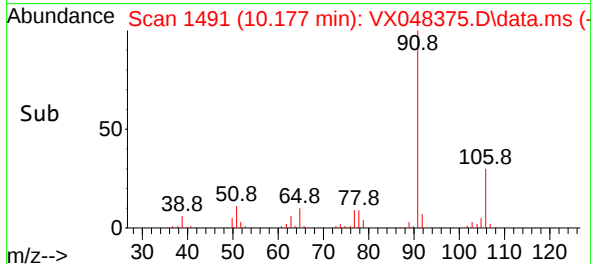
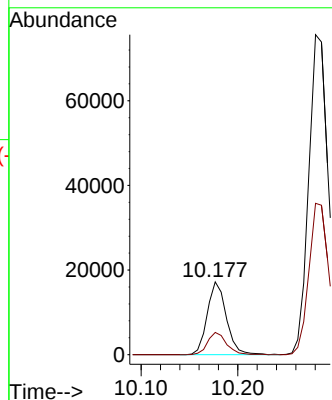
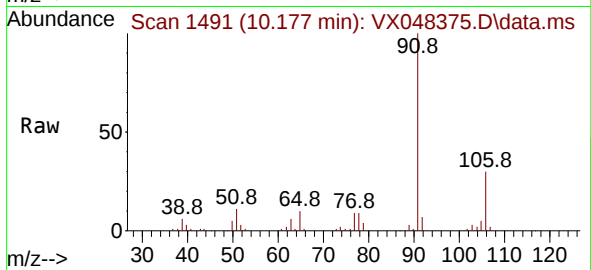
SB-21DL

Tgt Ion: 91 Resp: 23661

Ion Ratio Lower Upper

91 100

106 30.4 23.8 35.6



#68

m/p-Xylenes

Concen: 12.445 ug/l

RT: 10.280 min Scan# 1508

Delta R.T. -0.006 min

Lab File: VX048375.D

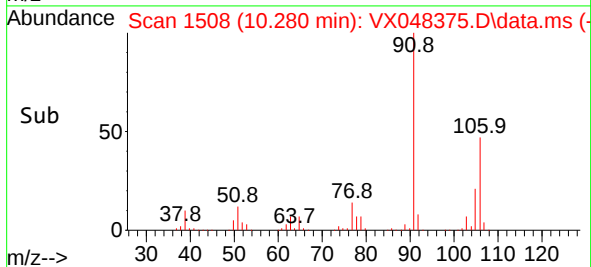
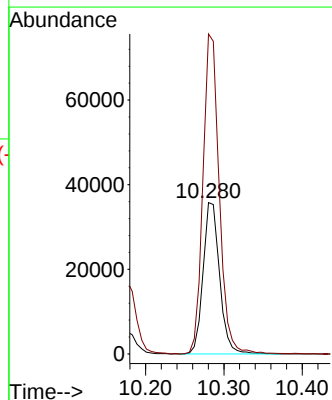
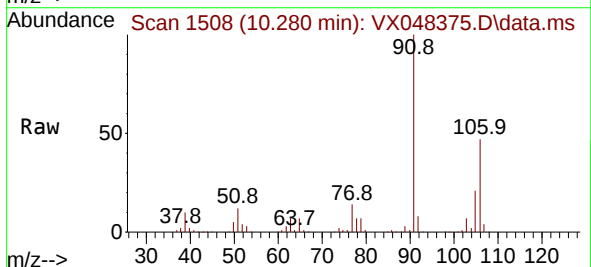
Acq: 27 Oct 2025 16:25

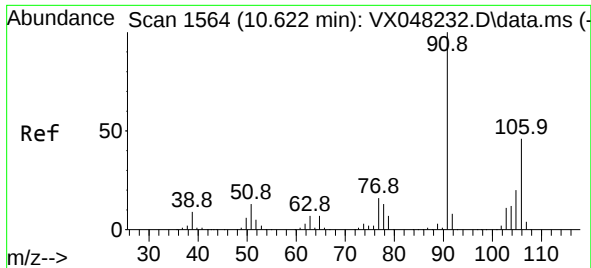
Tgt Ion:106 Resp: 52298

Ion Ratio Lower Upper

106 100

91 208.9 167.9 251.9

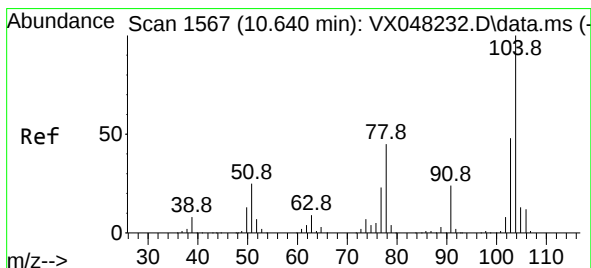
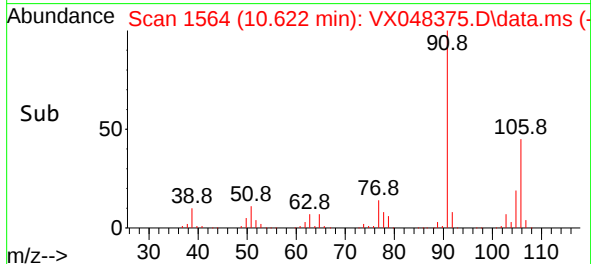
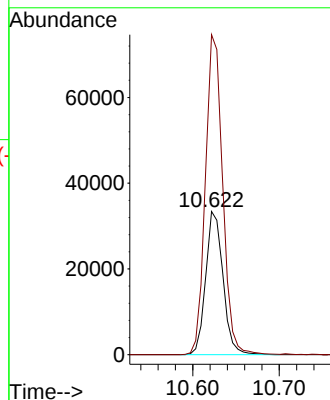
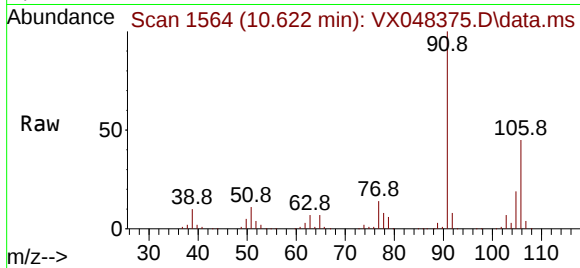




#69
o-Xylene
Concen: 11.428 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

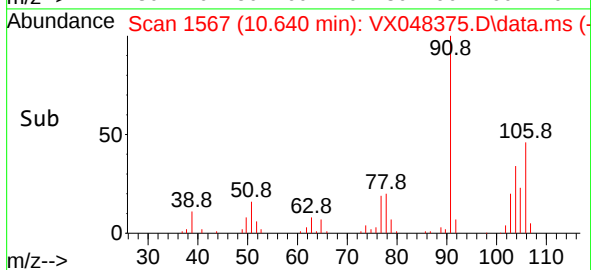
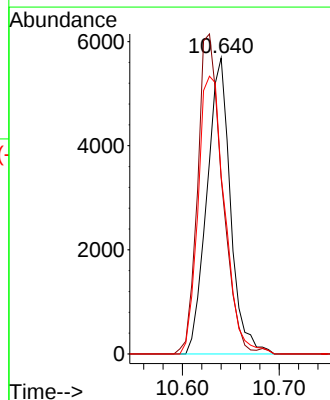
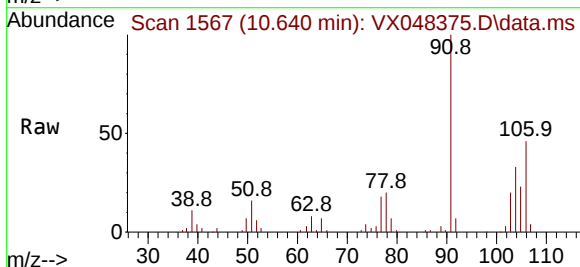
Instrument :
MSVOA_X
ClientSampleId :
SB-21DL

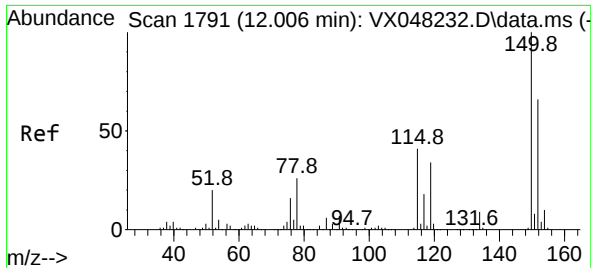
Tgt Ion:106 Resp: 46367
Ion Ratio Lower Upper
106 100
91 223.3 111.3 333.9



#70
Styrene
Concen: 1.395 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion:104 Resp: 9638
Ion Ratio Lower Upper
104 100
78 113.1 42.2 63.4#
103 105.5 43.0 64.4#

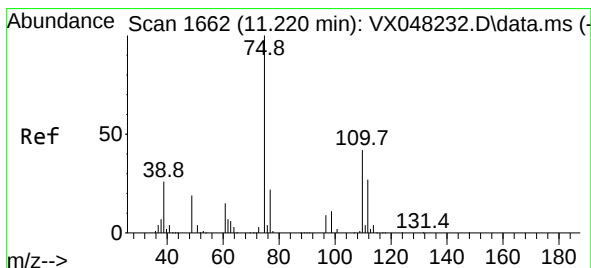
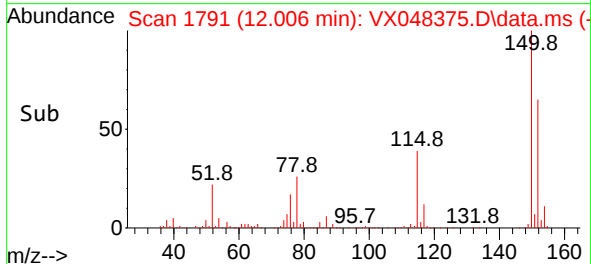
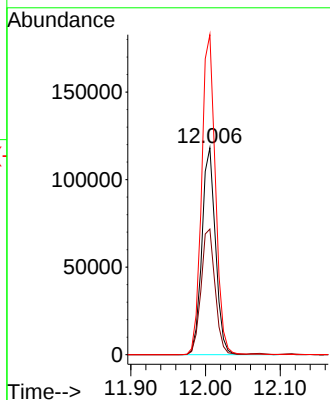
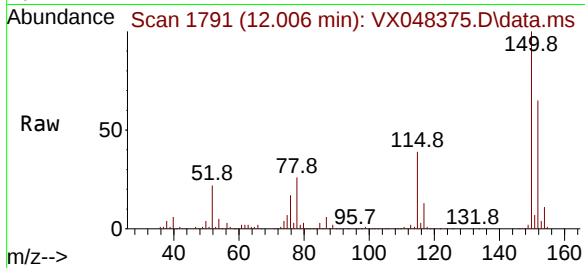




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048375.D
 Acq: 27 Oct 2025 16:25

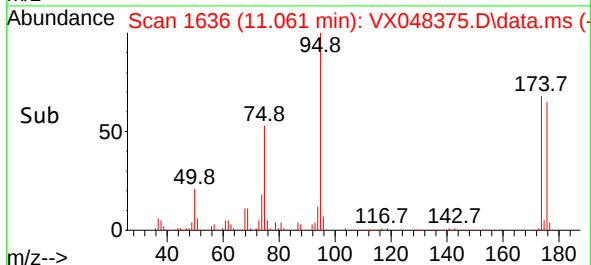
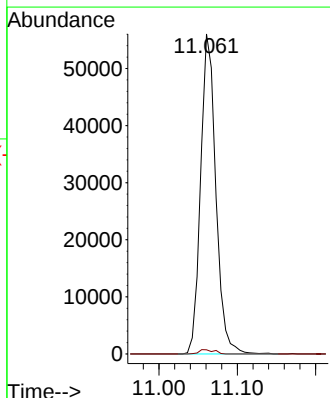
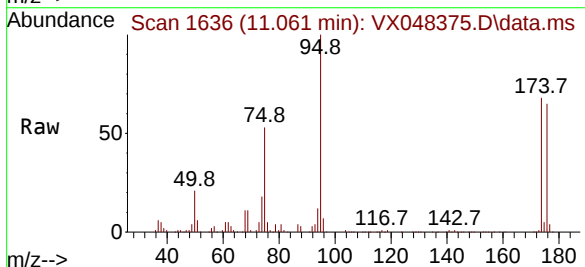
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-21DL

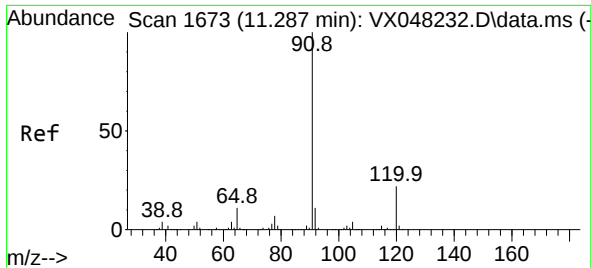
Tgt Ion:152 Resp: 149482
 Ion Ratio Lower Upper
 152 100
 115 62.8 43.1 129.4
 150 157.2 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 31.230 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048375.D
 Acq: 27 Oct 2025 16:25

Tgt Ion: 75 Resp: 75705
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.4 67.2#

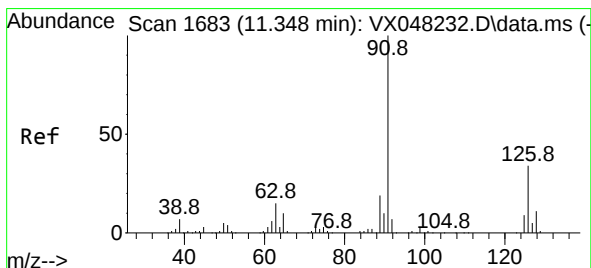
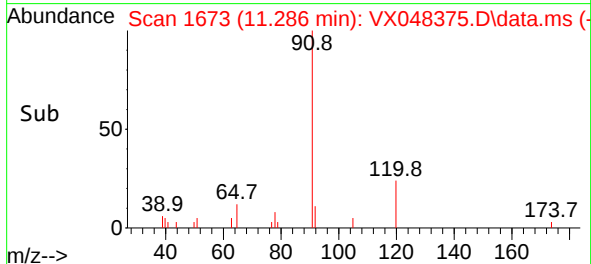
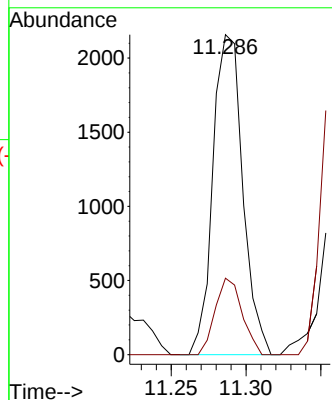
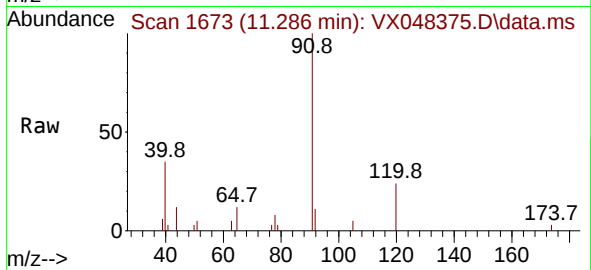




#78
n-propylbenzene
Concen: 0.237 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

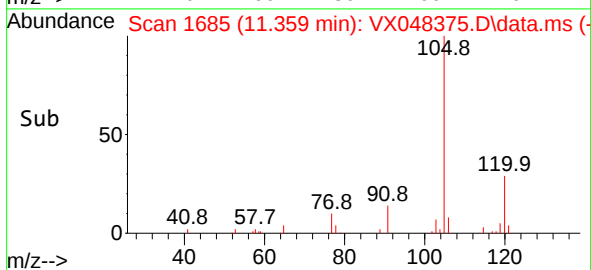
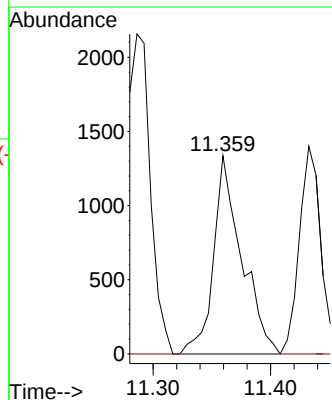
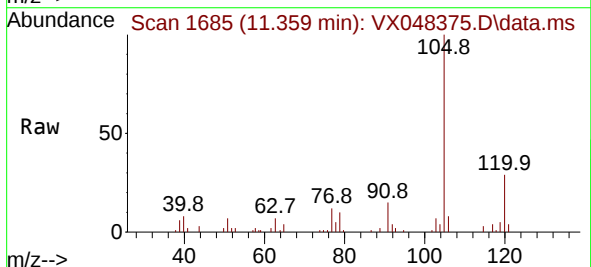
Instrument :
MSVOA_X
ClientSampleId :
SB-21DL

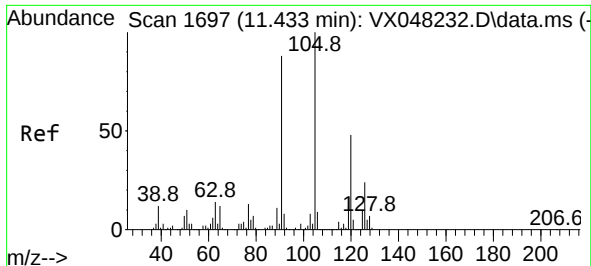
Tgt Ion: 91 Resp: 2996
Ion Ratio Lower Upper
91 100
120 21.5 11.1 33.1



#79
2-Chlorotoluene
Concen: 0.290 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. 0.012 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion: 91 Resp: 2224
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.4#

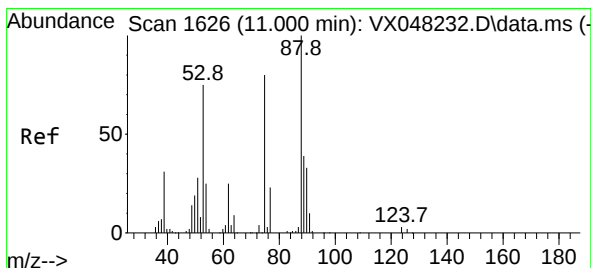
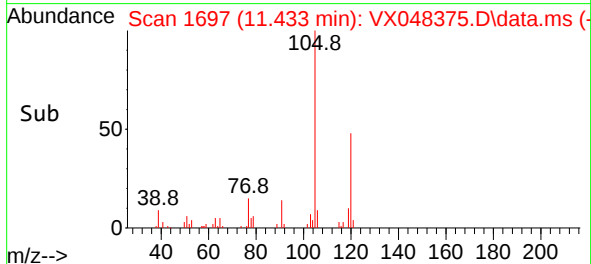
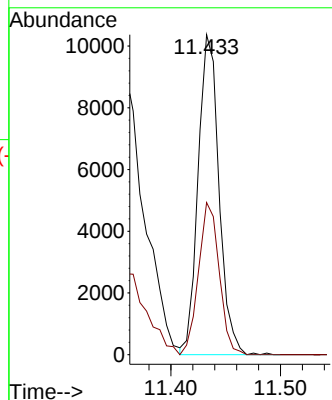
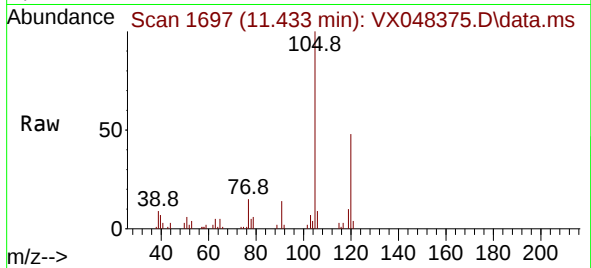




#80
1,3,5-Trimethylbenzene
Concen: 1.516 ug/l
RT: 11.433 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

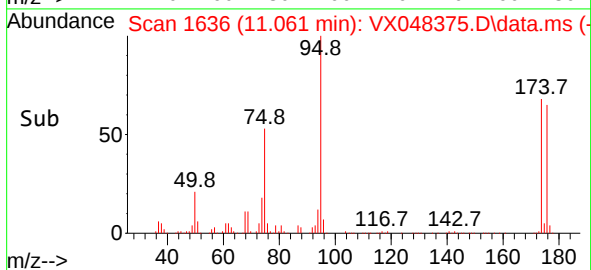
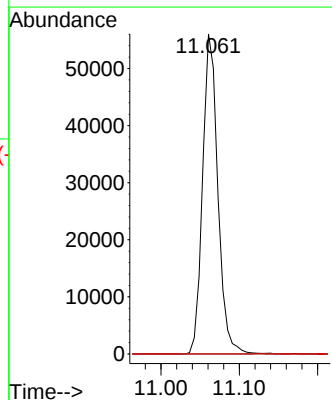
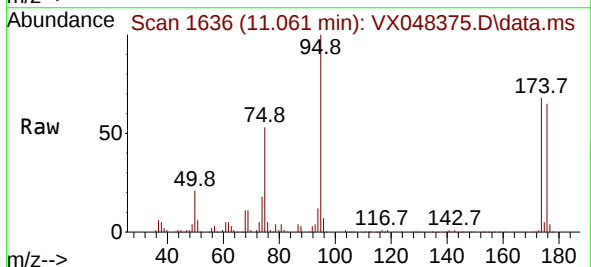
Instrument :
MSVOA_X
ClientSampleId :
SB-21DL

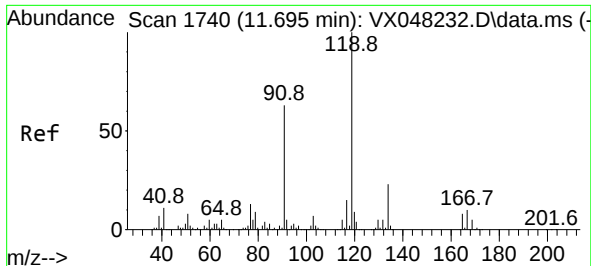
Tgt Ion:105 Resp: 13700
Ion Ratio Lower Upper
105 100
120 47.1 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 75.981 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion: 75 Resp: 75705
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

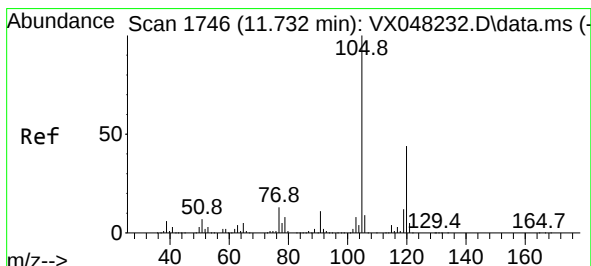
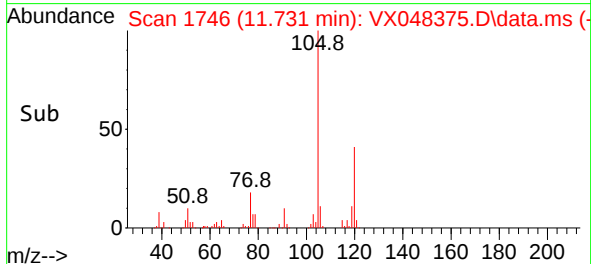
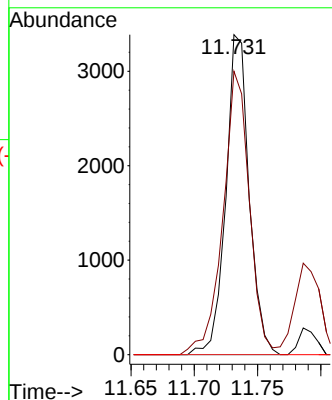
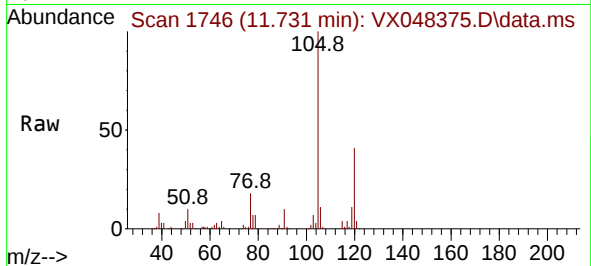




#83
tert-Butylbenzene
Concen: 0.467 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. 0.036 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

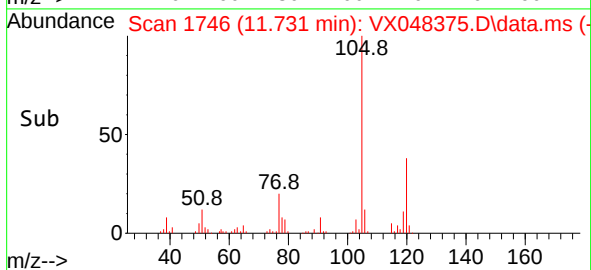
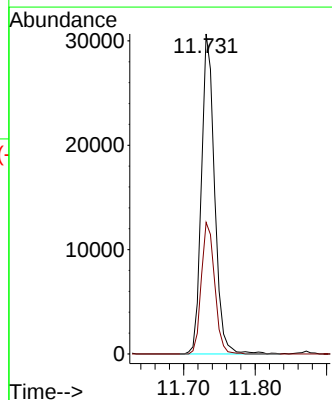
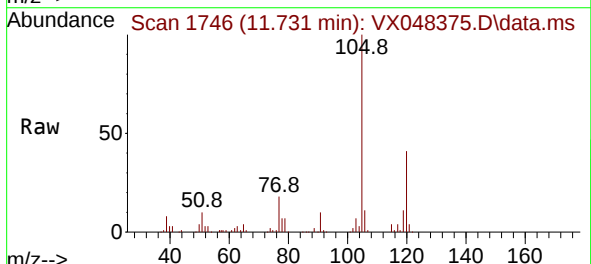
Instrument :
MSVOA_X
ClientSampleId :
SB-21DL

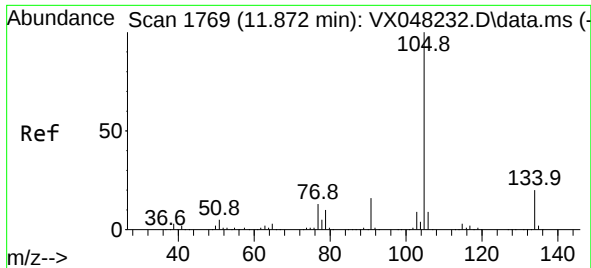
Tgt Ion:119 Resp: 4340
Ion Ratio Lower Upper
119 100
91 100.1 30.3 91.0#
134 0.0 11.4 34.2#



#84
1,2,4-Trimethylbenzene
Concen: 4.339 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048375.D
Acq: 27 Oct 2025 16:25

Tgt Ion:105 Resp: 39129
Ion Ratio Lower Upper
105 100
120 41.5 22.1 66.5

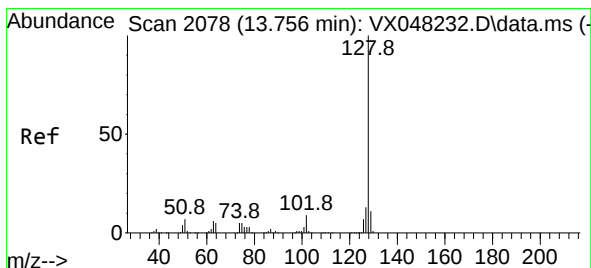
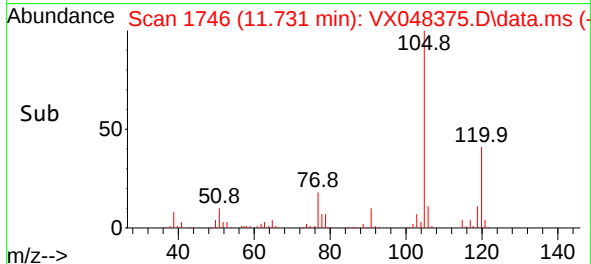
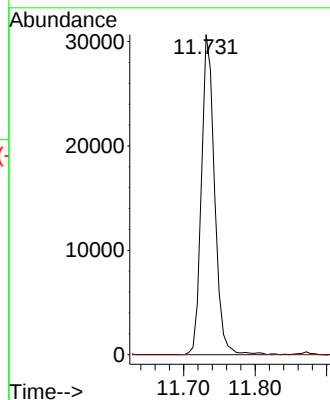
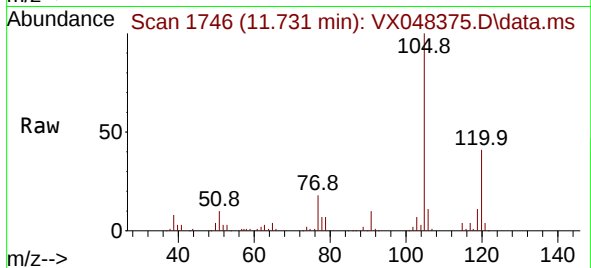




#85
 sec-Butylbenzene
 Concen: 3.503 ug/l
 RT: 11.731 min Scan# 11
 Delta R.T. -0.141 min
 Lab File: VX048375.D
 Acq: 27 Oct 2025 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-21DL

Tgt Ion:105 Resp: 39129
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#95
 Naphthalene
 Concen: 22.365 ug/l
 RT: 13.755 min Scan# 2078
 Delta R.T. -0.000 min
 Lab File: VX048375.D
 Acq: 27 Oct 2025 16:25

Tgt Ion:128 Resp: 194160
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.2 15.4
 129 11.0 8.6 12.8

