

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048371.D
 Acq On : 27 Oct 2025 15:02
 Operator : JC/MD
 Sample : Q3446-04 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-17DL

Quant Time: Oct 28 01:54:46 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

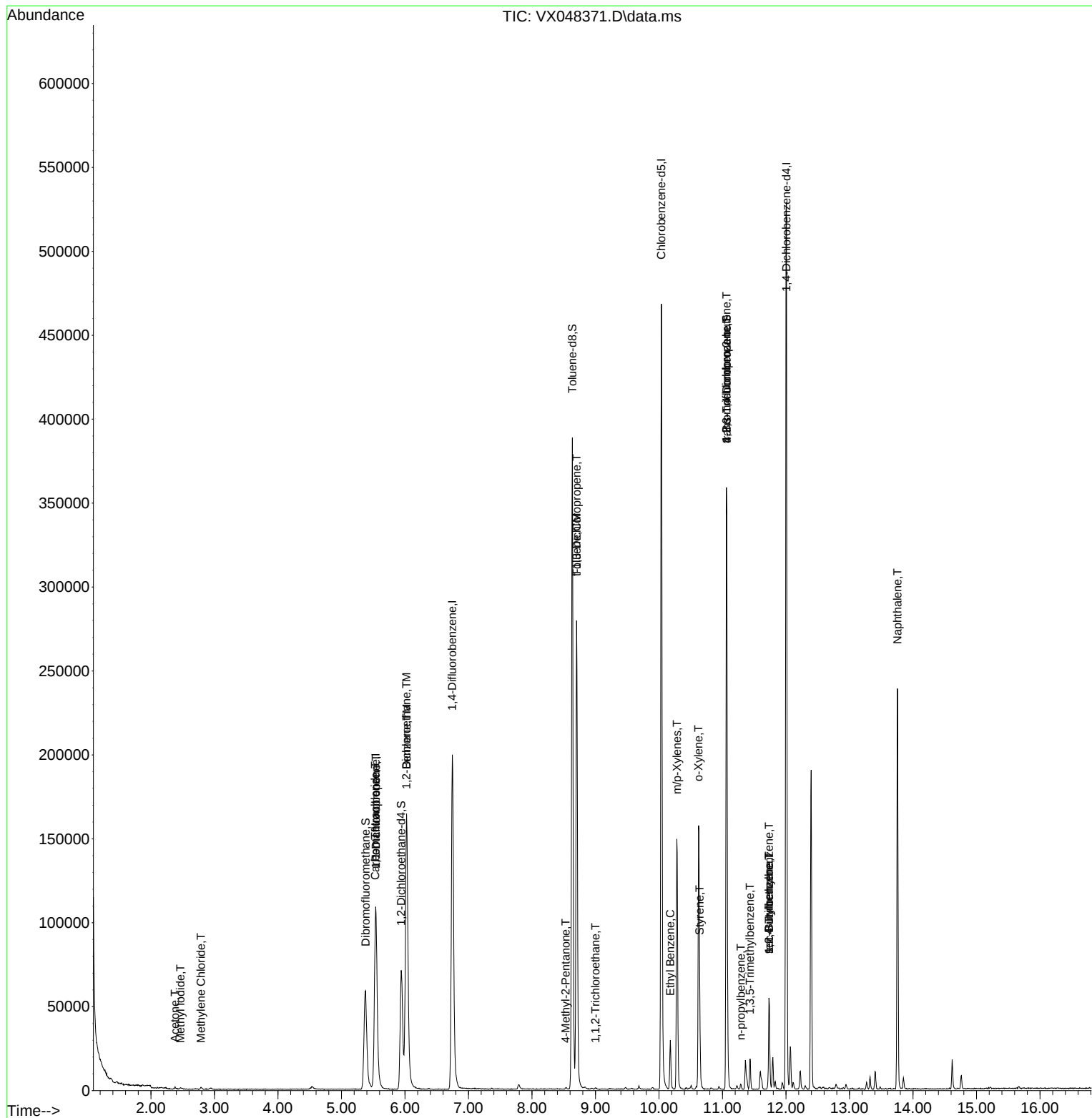
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	106862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	213664	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	80650	53.828	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.660%	
35) Dibromofluoromethane	5.379	113	57666	39.533	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 79.060%	
50) Toluene-d8	8.635	98	235052	45.973	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 91.940%#	
62) 4-Bromofluorobenzene	11.061	95	103086	52.999	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.000%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	1137	0.784	ug/l #	95
16) Acetone	2.380	43	947	1.842	ug/l	98
20) Methylene Chloride	2.788	84	591	0.472	ug/l	96
36) 1,1-Dichloropropene	5.544	75	9110	4.394	ug/l #	50
38) Carbon Tetrachloride	5.532	117	11337	4.432	ug/l #	13
40) Benzene	6.025	78	207008	34.391	ug/l	98
42) 1,2-Dichloroethane	6.019	62	2115	0.952	ug/l #	76
51) 4-Methyl-2-Pentanone	8.531	43	544	0.334	ug/l #	38
52) Toluene	8.702	92	108812	28.455	ug/l	99
53) t-1,3-Dichloropropene	8.702	75	1394	0.601	ug/l #	1
55) 1,1,2-Trichloroethane	9.001	97	608	0.428	ug/l #	14
67) Ethyl Benzene	10.177	91	16810	1.994	ug/l	100
68) m/p-Xylenes	10.281	106	35879	11.455	ug/l	99
69) o-Xylene	10.622	106	32137	10.627	ug/l	98
70) Styrene	10.640	104	15630	3.036	ug/l #	70
76) 1,2,3-Trichloropropane	11.061	75	55090	30.489	ug/l #	33
78) n-propylbenzene	11.287	91	2241	0.238	ug/l	97
80) 1,3,5-Trimethylbenzene	11.433	105	8177	1.214	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.061	75	55090	74.177	ug/l #	10
83) tert-Butylbenzene	11.732	119	2819	0.407	ug/l #	48
84) 1,2,4-Trimethylbenzene	11.732	105	24283	3.613	ug/l	97
85) sec-Butylbenzene	11.732	105	24283	2.917	ug/l #	56
95) Naphthalene	13.756	128	136788	21.138	ug/l	99

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

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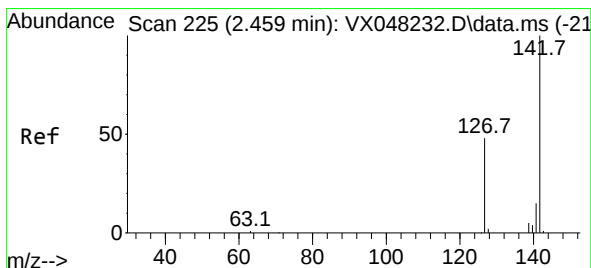
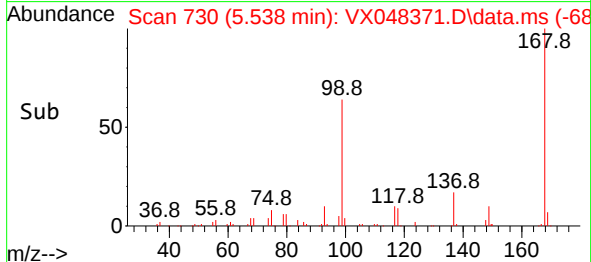
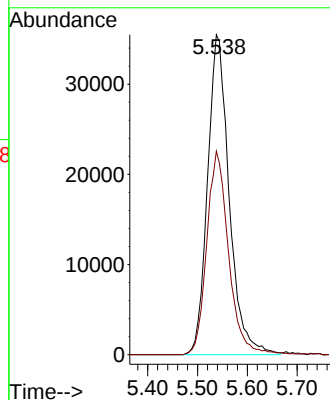
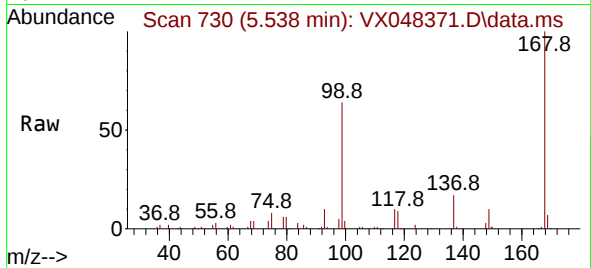




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

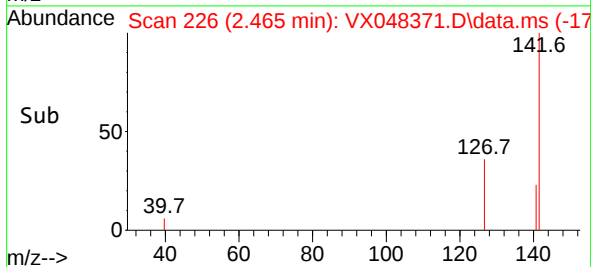
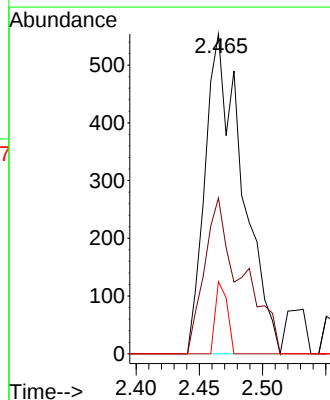
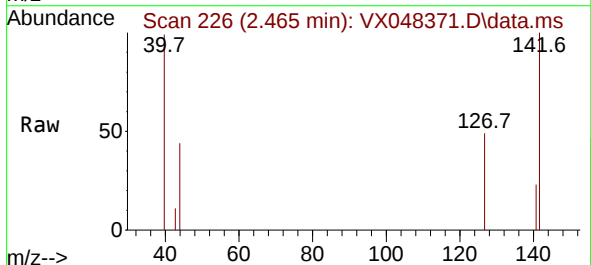
Instrument :
MSVOA_X
ClientSampleId :
SB-17DL

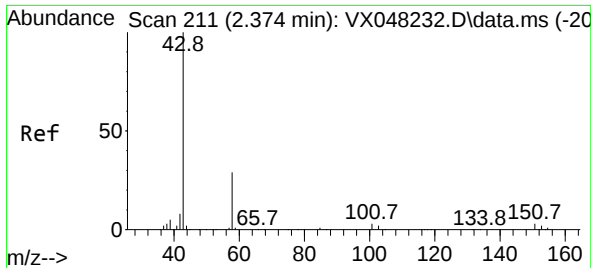
Tgt Ion:168 Resp: 106862
Ion Ratio Lower Upper
168 100
99 63.6 46.4 69.6



#10
Methyl Iodide
Concen: 0.784 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

Tgt Ion:142 Resp: 1137
Ion Ratio Lower Upper
142 100
127 48.8 38.5 57.7
141 7.1 11.6 17.4#

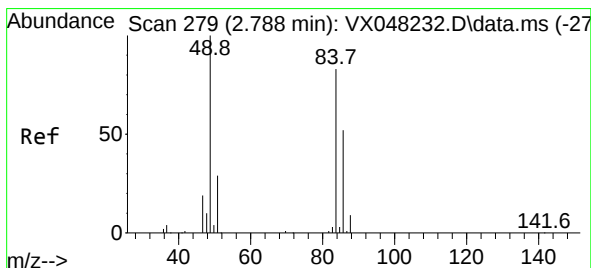
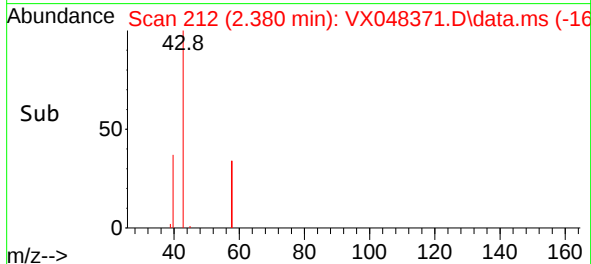
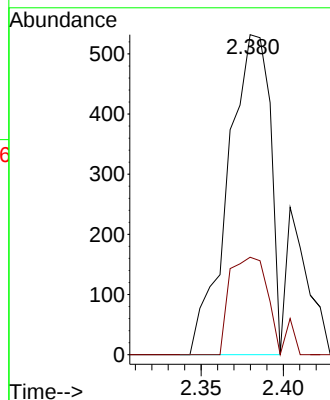
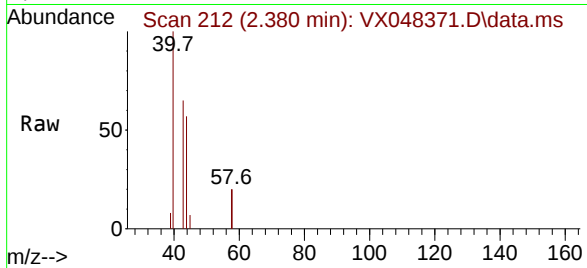




#16
Acetone
Concen: 1.842 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

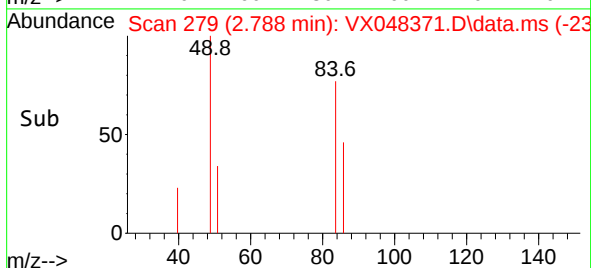
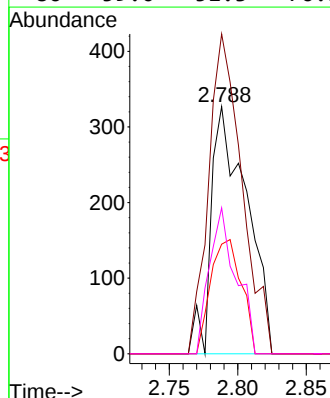
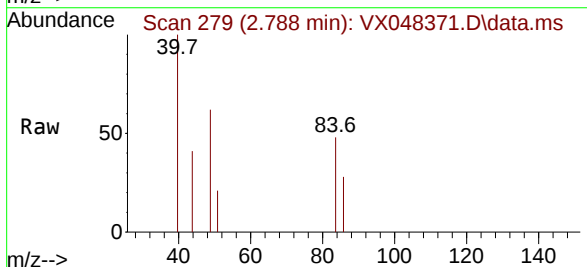
Instrument :
MSVOA_X
ClientSampleId :
SB-17DL

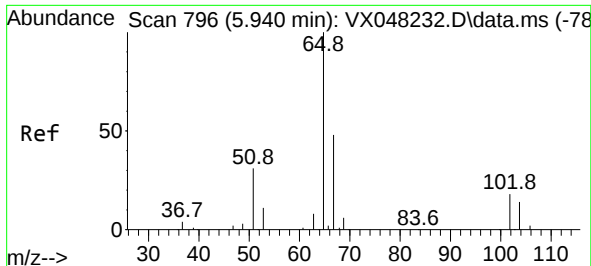
Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
58 30.5 23.4 35.2



#20
Methylene Chloride
Concen: 0.472 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

Tgt Ion: 84 Resp: 591
Ion Ratio Lower Upper
84 100
49 129.4 104.1 156.1
51 44.3 31.3 46.9
86 59.0 51.3 76.9

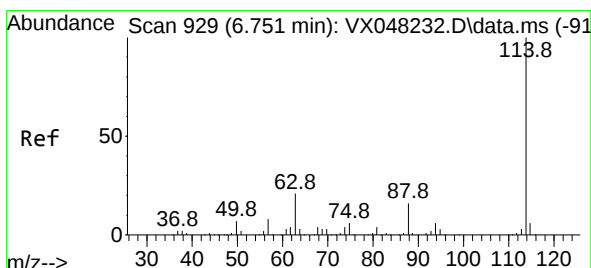
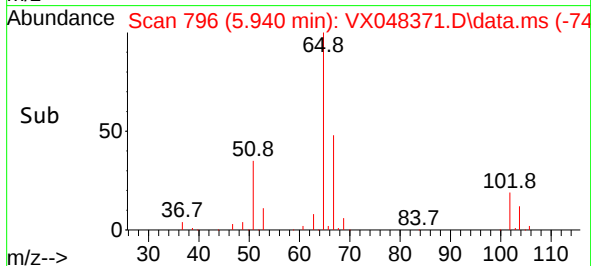
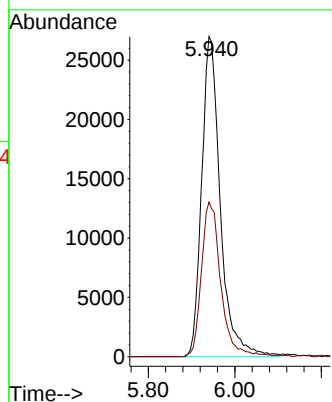
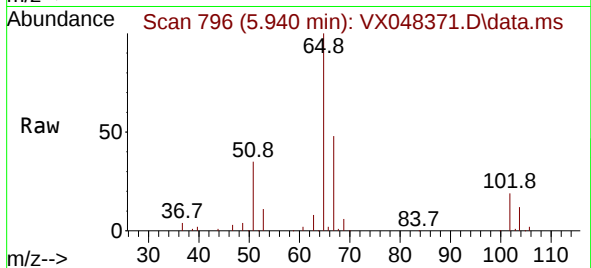




#33
 1,2-Dichloroethane-d4
 Concen: 53.828 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048371.D
 Acq: 27 Oct 2025 15:02

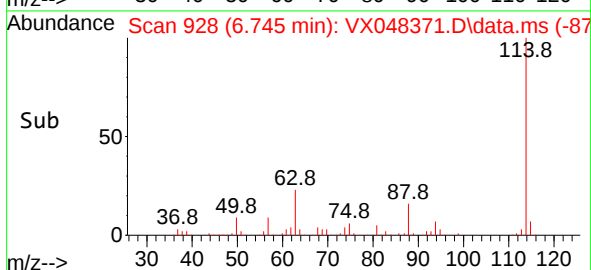
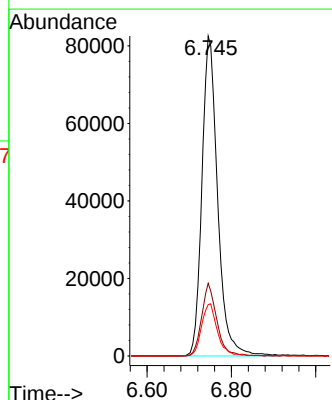
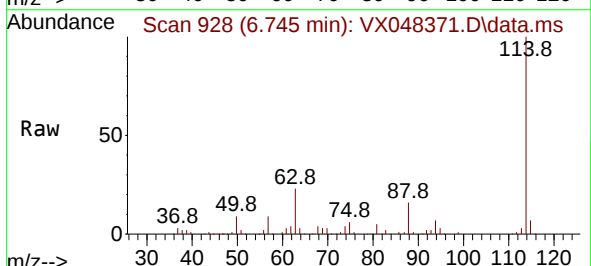
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-17DL

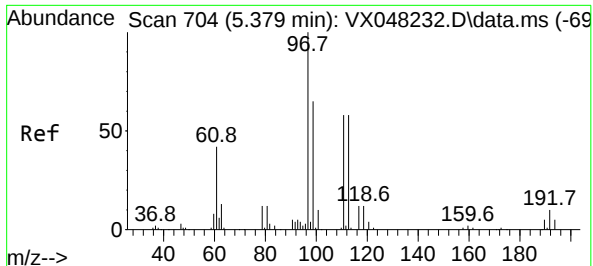
Tgt Ion: 65 Resp: 80650
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048371.D
 Acq: 27 Oct 2025 15:02

Tgt Ion: 114 Resp: 213664
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.2
 88 16.1 0.0 33.6

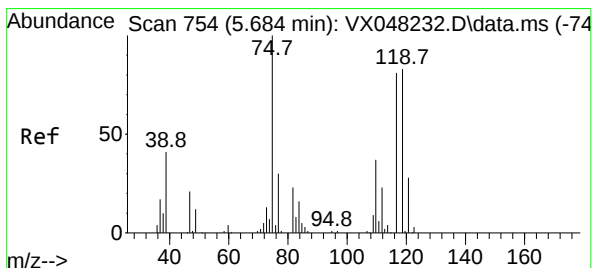
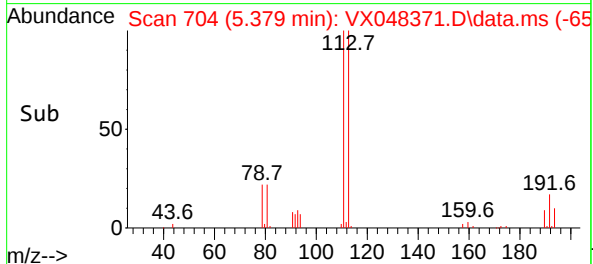
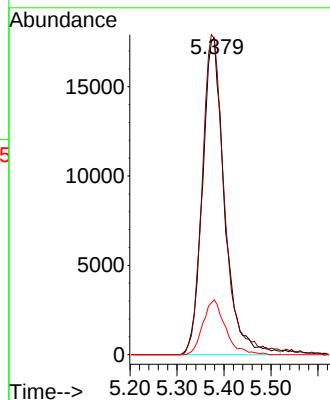
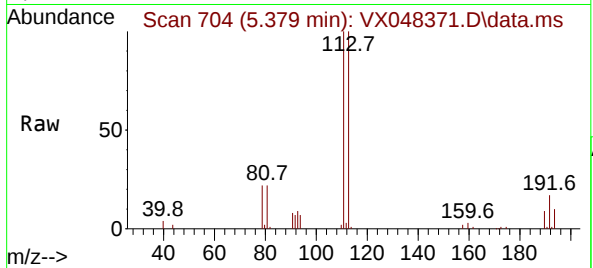




#35
Dibromofluoromethane
Concen: 39.533 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

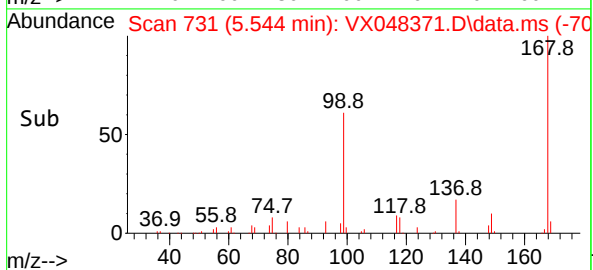
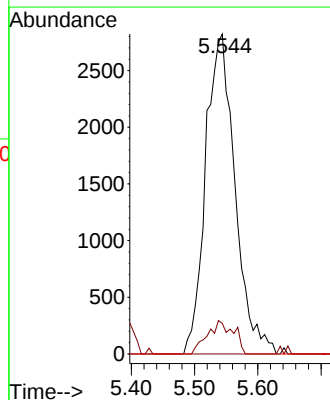
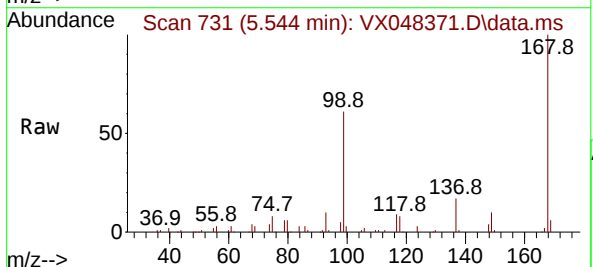
Instrument :
MSVOA_X
ClientSampleId :
SB-17DL

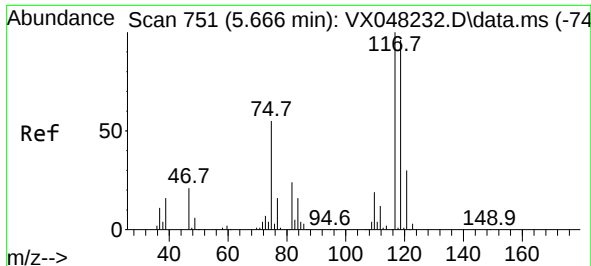
Tgt Ion:113 Resp: 57666
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.4
192 17.7 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.394 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

Tgt Ion: 75 Resp: 9110
Ion Ratio Lower Upper
75 100
110 9.2 17.7 53.1#
77 0.0 24.3 36.5#

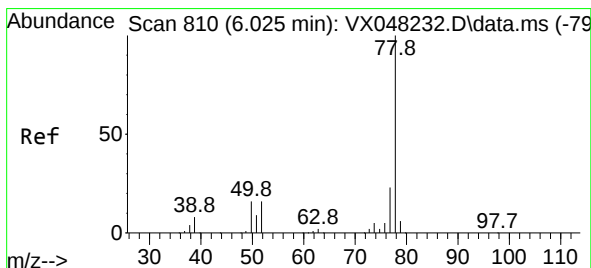
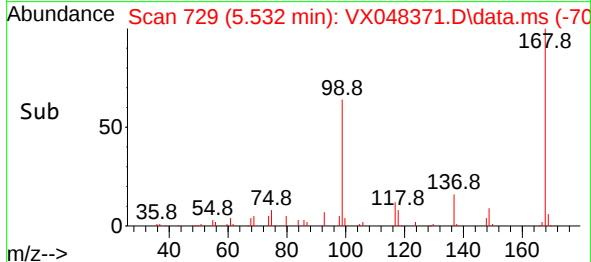
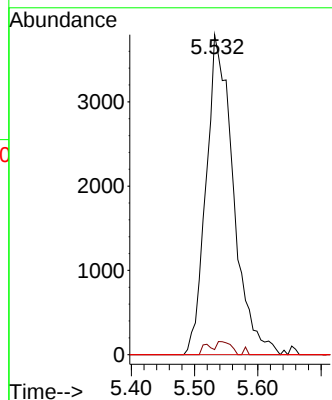
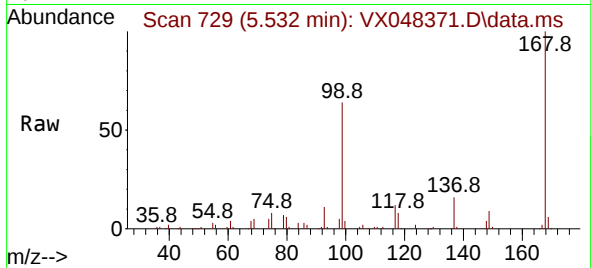




#38
Carbon Tetrachloride
Concen: 4.432 ug/l
RT: 5.532 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

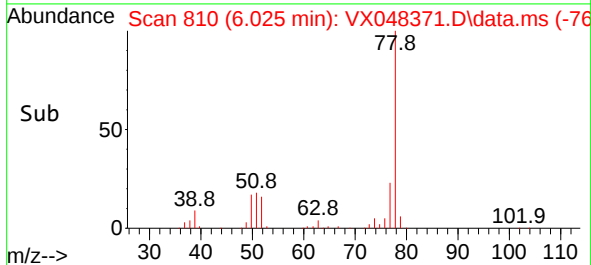
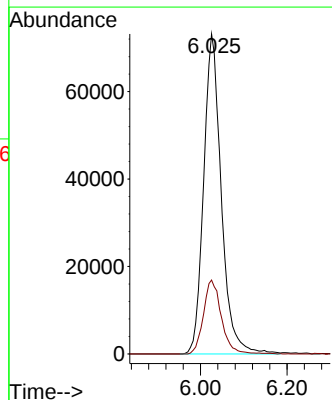
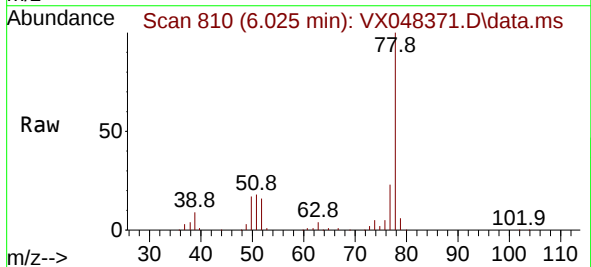
Instrument :
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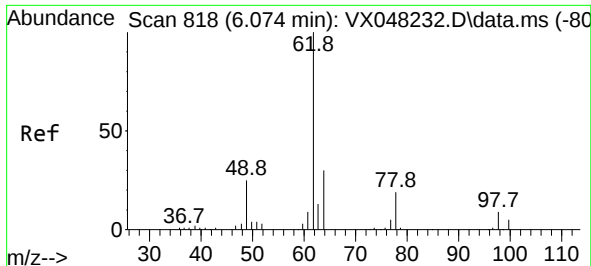
Tgt Ion:117 Resp: 11337
Ion Ratio Lower Upper
117 100
119 1.6 77.2 115.8#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 34.391 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

Tgt Ion: 78 Resp: 207008
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9





#42

1,2-Dichloroethane

Concen: 0.952 ug/l

RT: 6.019 min Scan# 80

Delta R.T. -0.049 min

Lab File: VX048371.D

Acq: 27 Oct 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

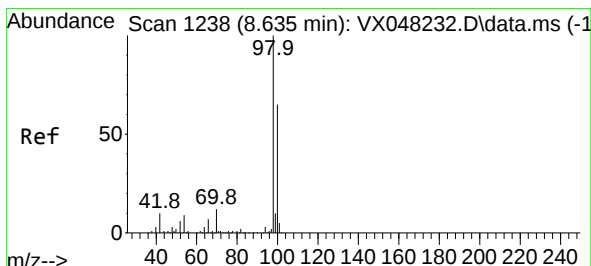
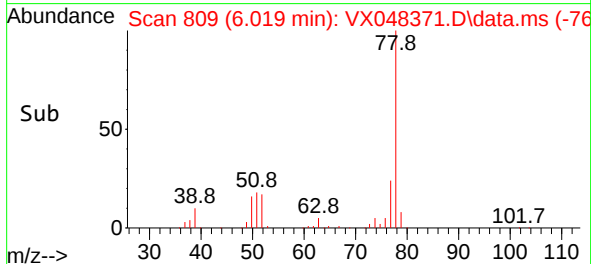
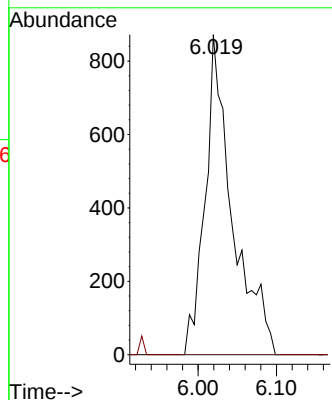
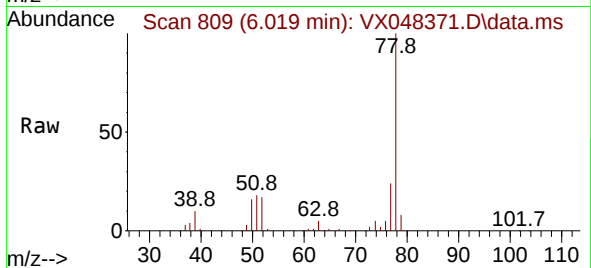
SB-17DL

Tgt Ion: 62 Resp: 2115

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.2



#50

Toluene-d8

Concen: 45.973 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VX048371.D

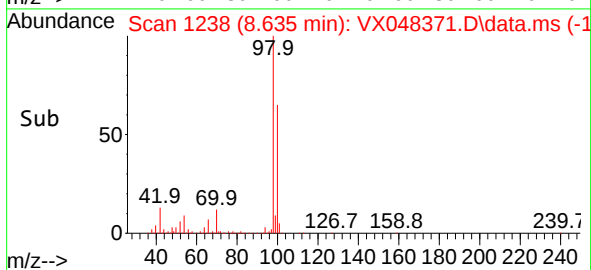
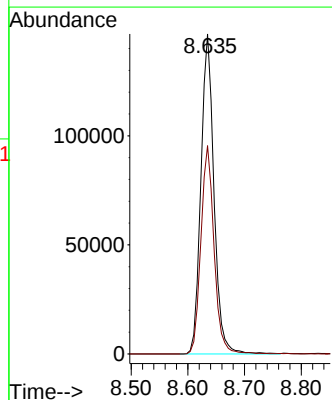
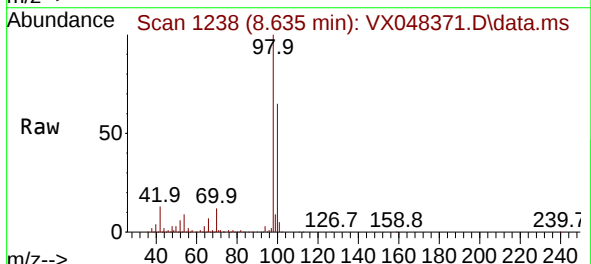
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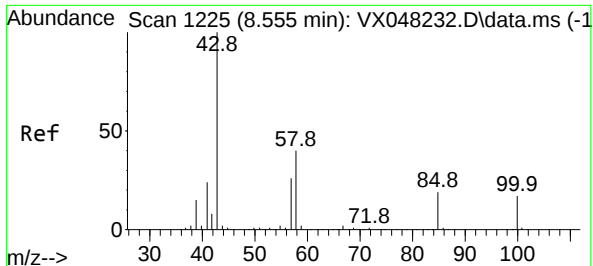
Tgt Ion: 98 Resp: 235052

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4

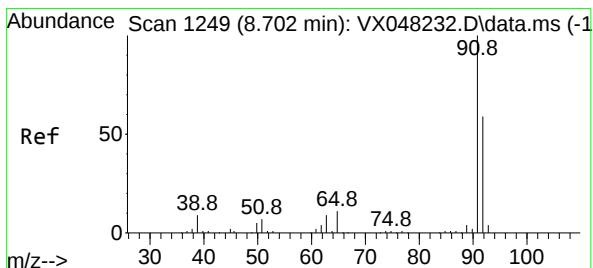
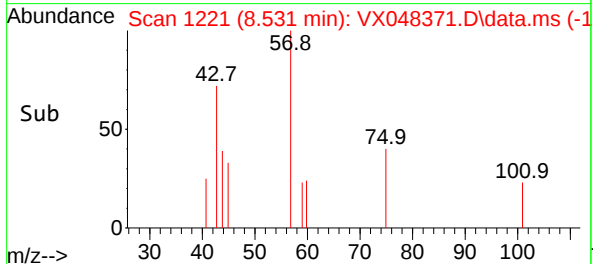
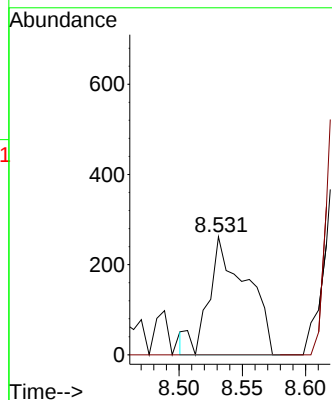
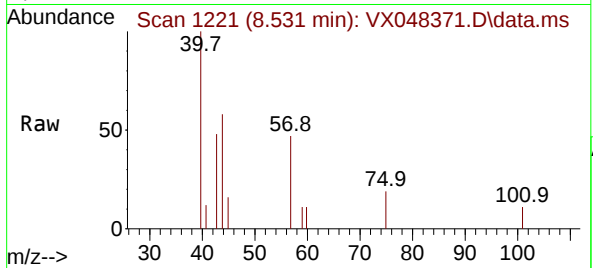




#51
4-Methyl-2-Pentanone
Concen: 0.334 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

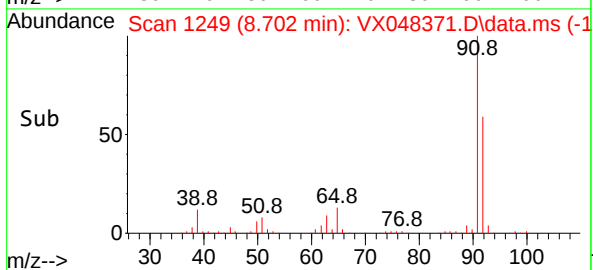
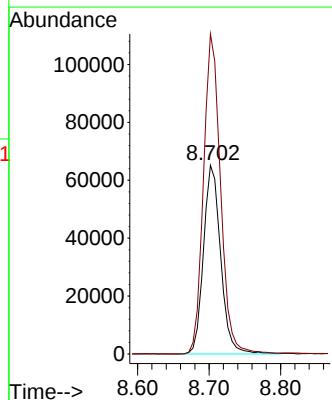
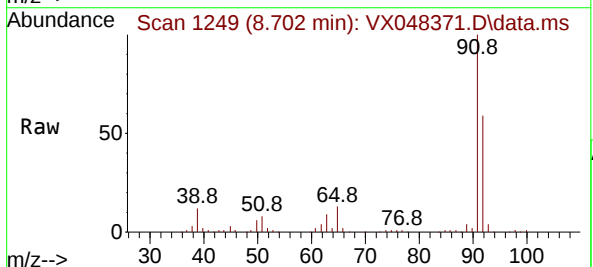
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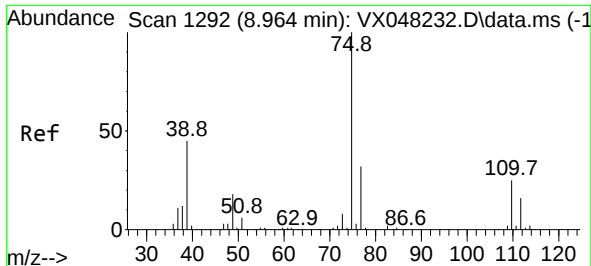
Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#



#52
Toluene
Concen: 28.455 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

Tgt Ion: 92 Resp: 108812
Ion Ratio Lower Upper
92 100
91 168.8 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 0.601 ug/l

RT: 8.702 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX048371.D

Acq: 27 Oct 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

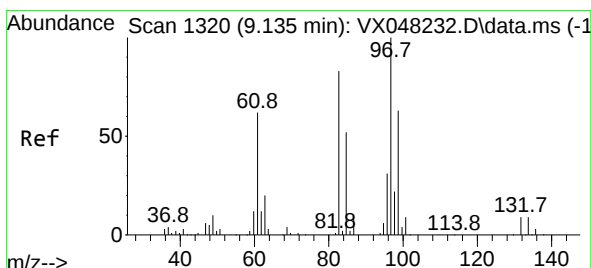
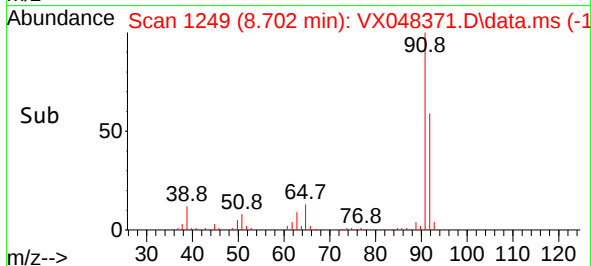
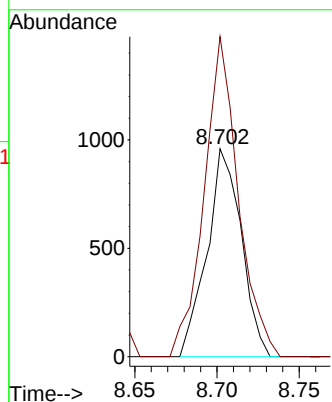
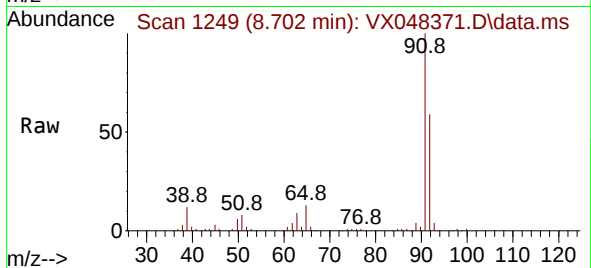
SB-17DL

Tgt Ion: 75 Resp: 1394

Ion Ratio Lower Upper

75 100

77 153.9 25.0 37.6#



#55

1,1,2-Trichloroethane

Concen: 0.428 ug/l

RT: 9.001 min Scan# 1298

Delta R.T. -0.134 min

Lab File: VX048371.D

Acq: 27 Oct 2025 15:02

Tgt Ion: 97 Resp: 608

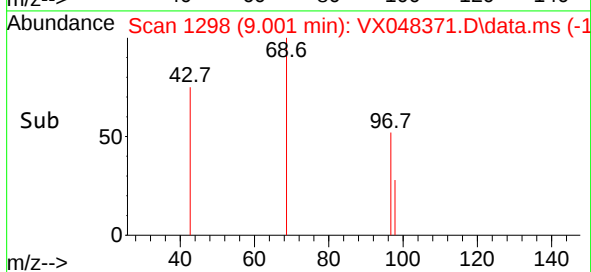
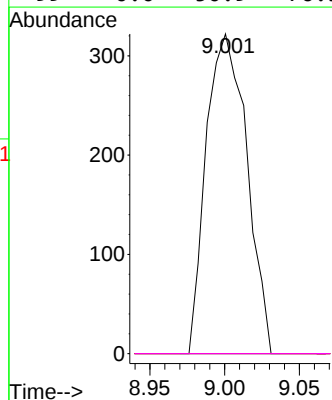
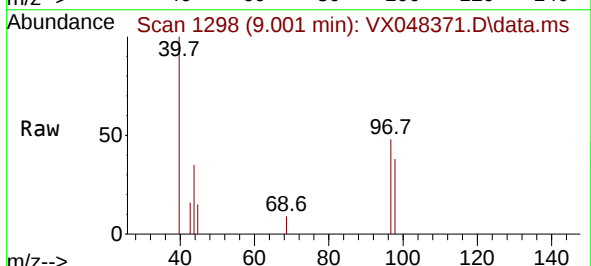
Ion Ratio Lower Upper

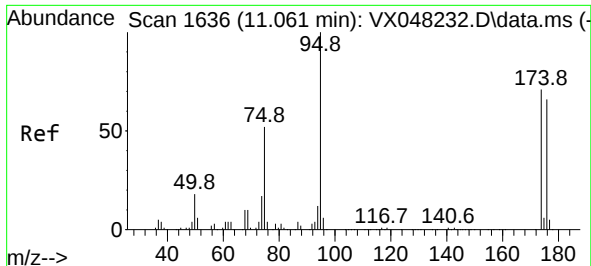
97 100

83 0.0 70.6 105.8#

85 0.0 45.0 67.6#

99 0.0 50.9 76.3#

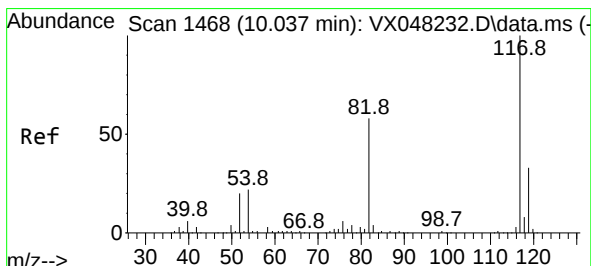
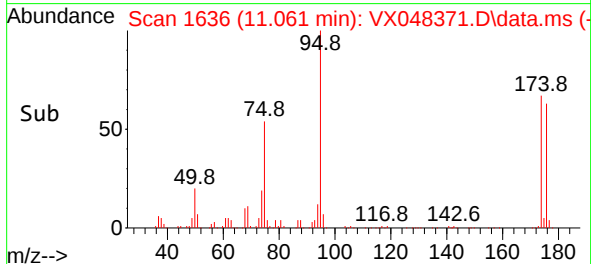
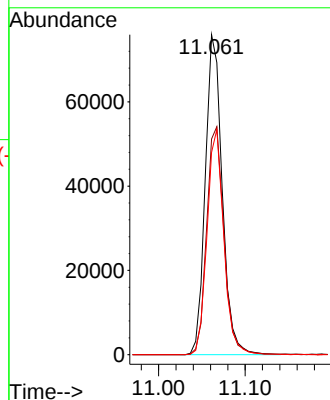
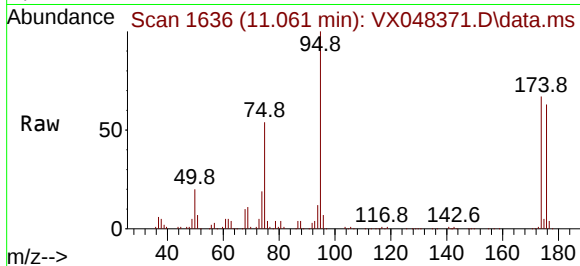




#62
4-Bromofluorobenzene
Concen: 52.999 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

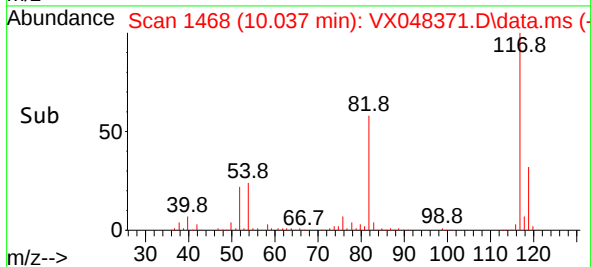
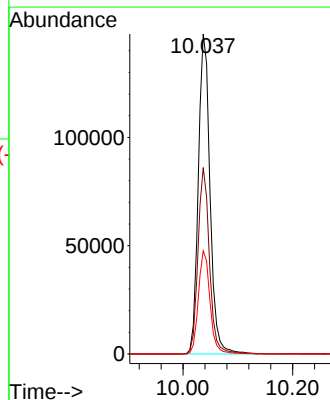
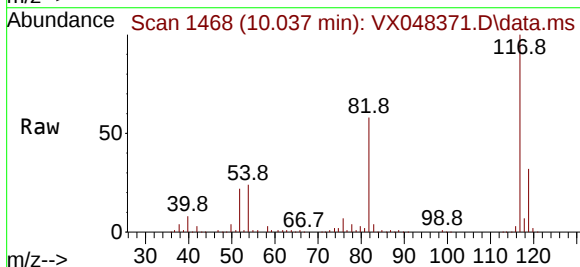
Instrument :
MSVOA_X
ClientSampleId :
SB-17DL

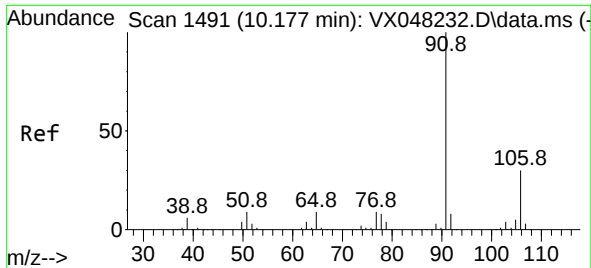
Tgt Ion: 95 Resp: 103086
Ion Ratio Lower Upper
95 100
174 73.1 0.0 147.8
176 69.6 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

Tgt Ion: 117 Resp: 220110
Ion Ratio Lower Upper
117 100
82 58.2 46.5 69.7
119 32.2 25.9 38.9

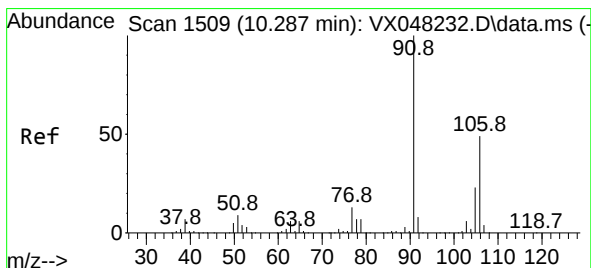
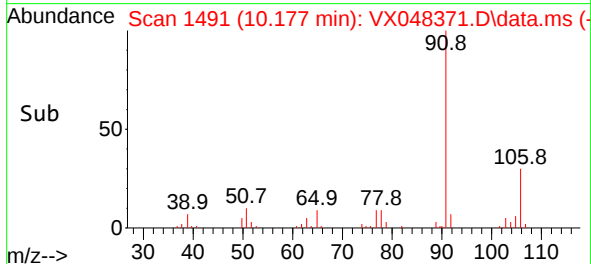
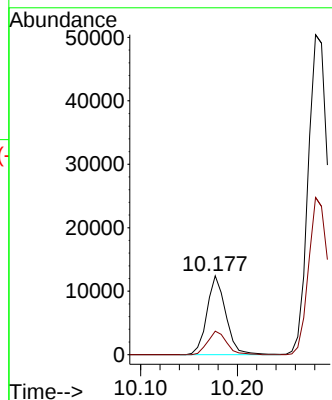
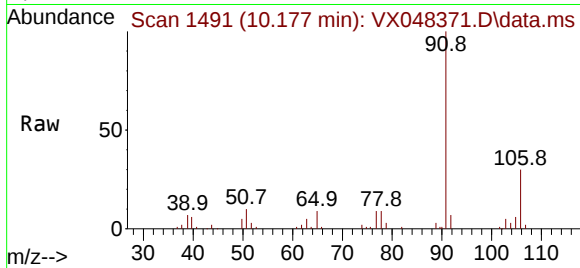




#67
Ethyl Benzene
Concen: 1.994 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

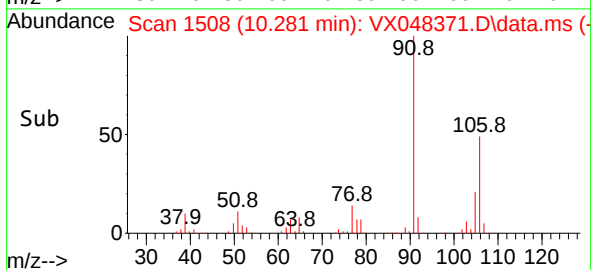
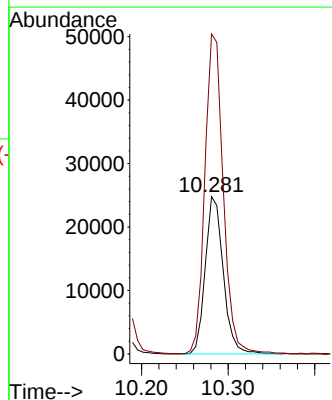
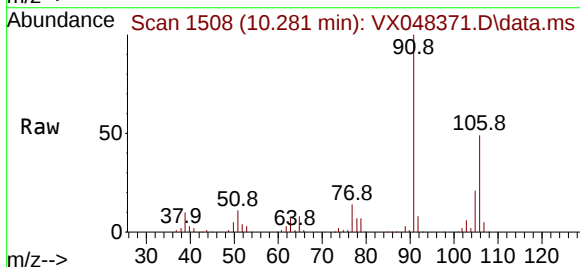
Instrument :
MSVOA_X
ClientSampleId :
SB-17DL

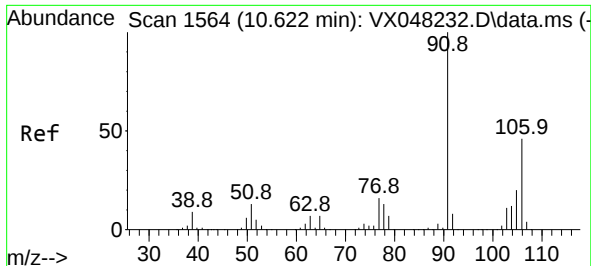
Tgt Ion: 91 Resp: 16810
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6



#68
m/p-Xylenes
Concen: 11.455 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

Tgt Ion:106 Resp: 35879
Ion Ratio Lower Upper
106 100
91 207.8 167.9 251.9

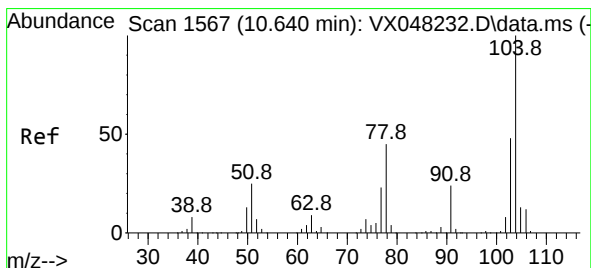
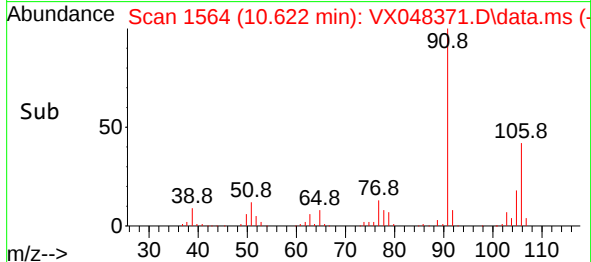
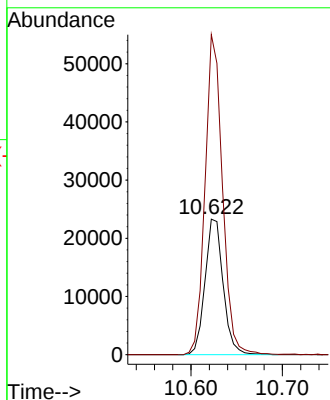
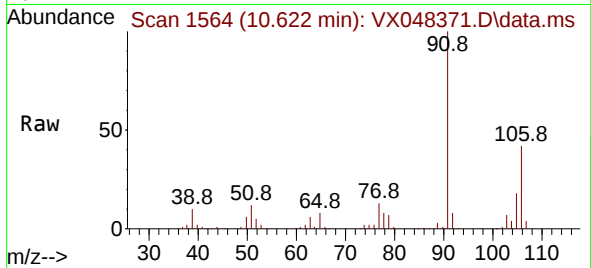




#69
o-Xylene
Concen: 10.627 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

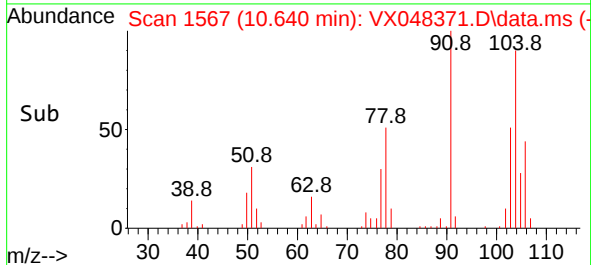
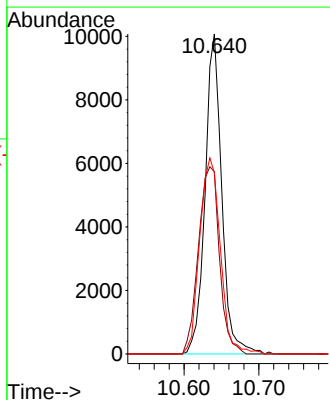
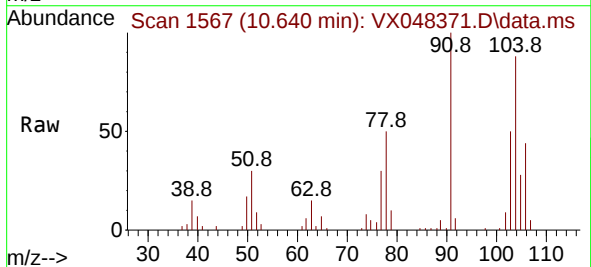
Instrument :
MSVOA_X
ClientSampleId :
SB-17DL

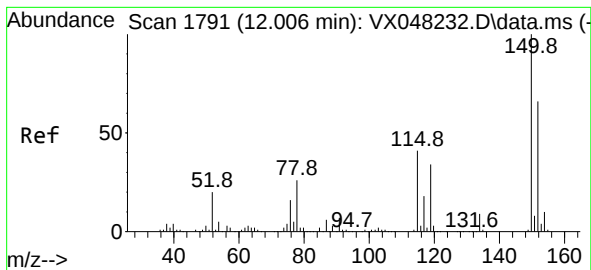
Tgt Ion:106 Resp: 32137
Ion Ratio Lower Upper
106 100
91 225.6 111.3 333.9



#70
Styrene
Concen: 3.036 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

Tgt Ion:104 Resp: 15630
Ion Ratio Lower Upper
104 100
78 73.6 42.2 63.4#
103 75.8 43.0 64.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048371.D

Acq: 27 Oct 2025 15:02

Instrument :

MSVOA_X

ClientSampleId :

SB-17DL

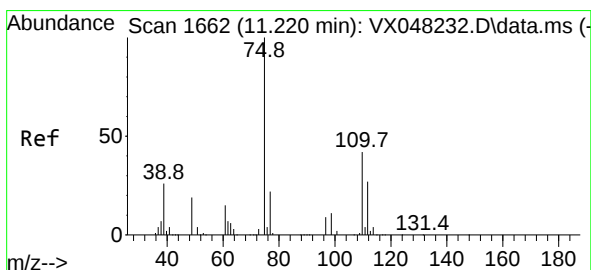
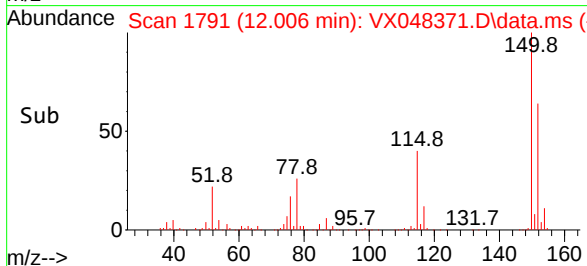
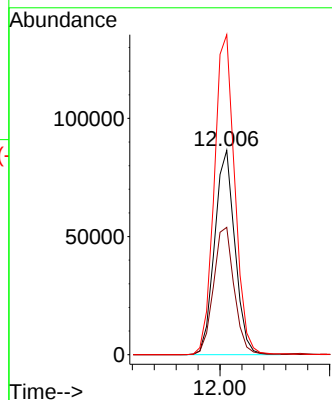
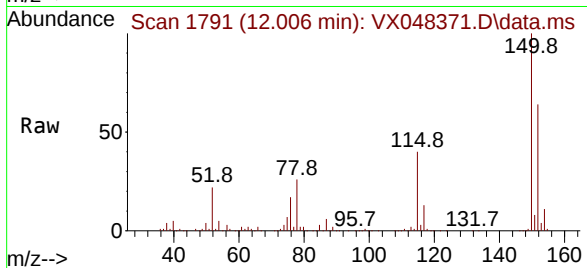
Tgt Ion:152 Resp: 111422

Ion Ratio Lower Upper

152 100

115 63.3 43.1 129.4

150 158.5 0.0 353.0



#76

1,2,3-Trichloropropane

Concen: 30.489 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.158 min

Lab File: VX048371.D

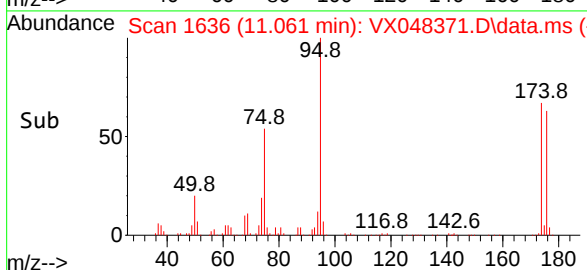
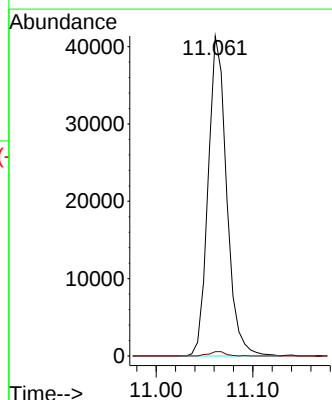
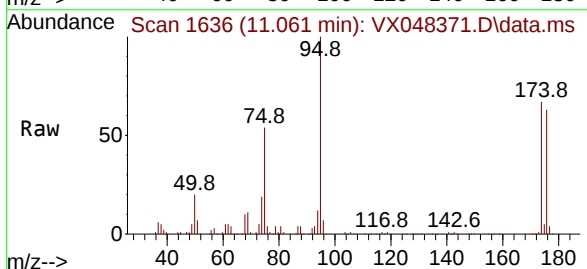
Acq: 27 Oct 2025 15:02

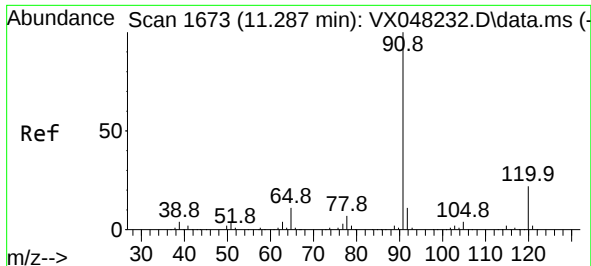
Tgt Ion: 75 Resp: 55090

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.2#

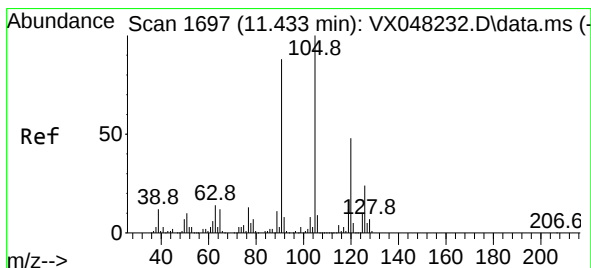
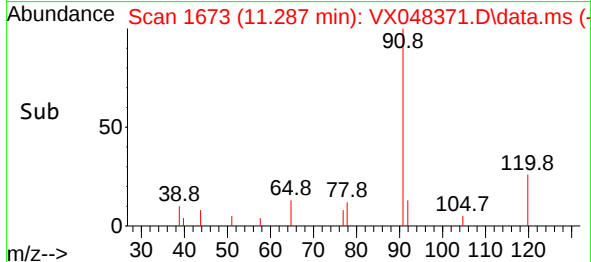
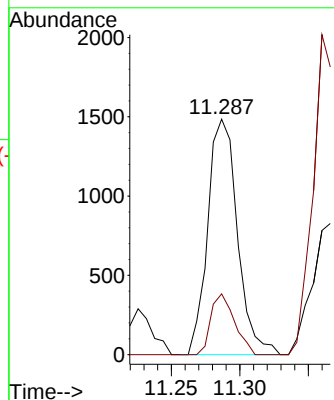
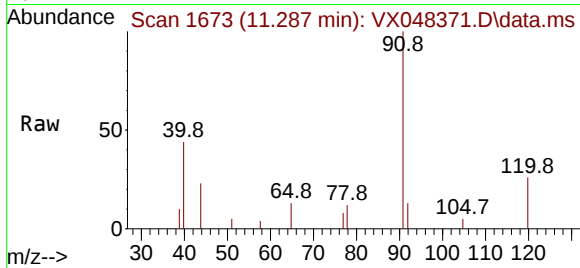




#78
n-propylbenzene
Concen: 0.238 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

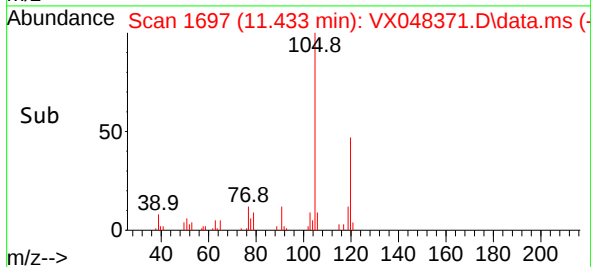
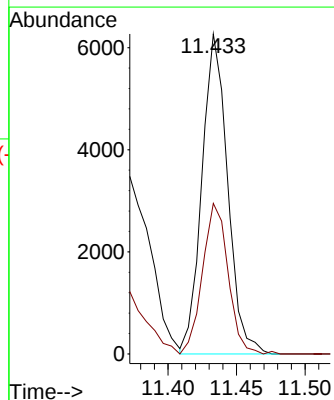
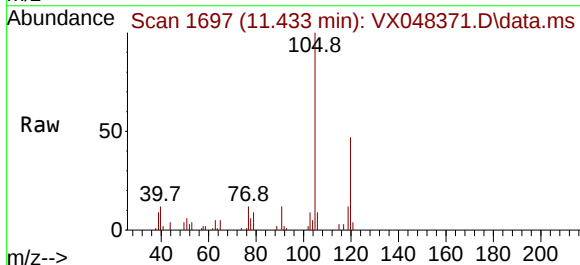
Instrument :
MSVOA_X
ClientSampleId :
SB-17DL

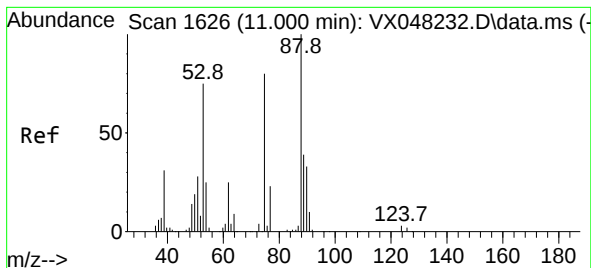
Tgt Ion: 91 Resp: 2241
Ion Ratio Lower Upper
91 100
120 20.6 11.1 33.1



#80
1,3,5-Trimethylbenzene
Concen: 1.214 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

Tgt Ion: 105 Resp: 8177
Ion Ratio Lower Upper
105 100
120 46.9 24.0 72.0

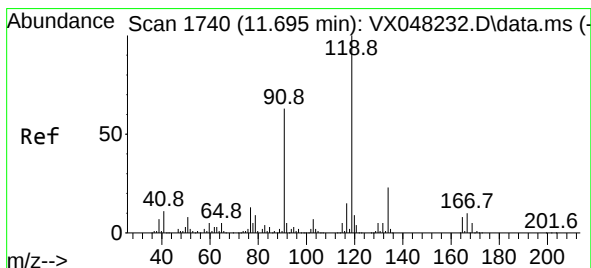
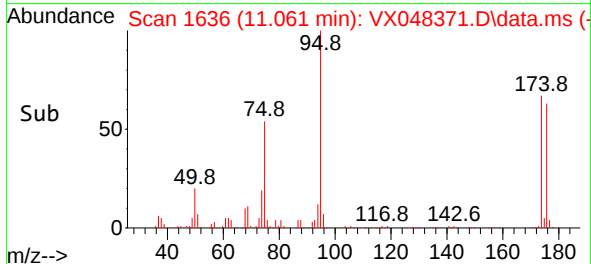
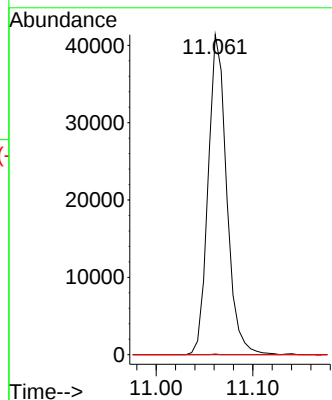
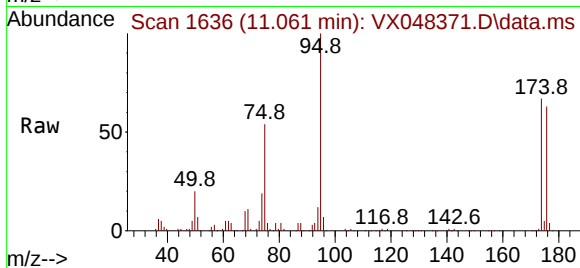




#81
trans-1,4-Dichloro-2-butene
Concen: 74.177 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

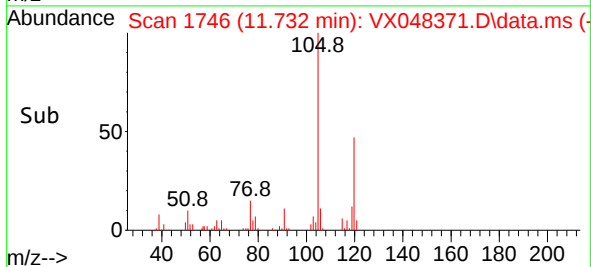
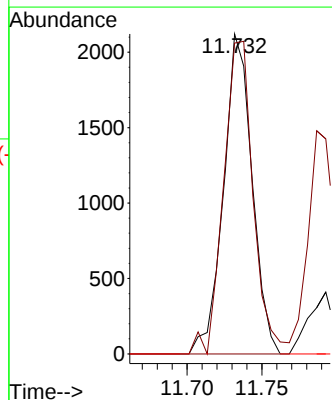
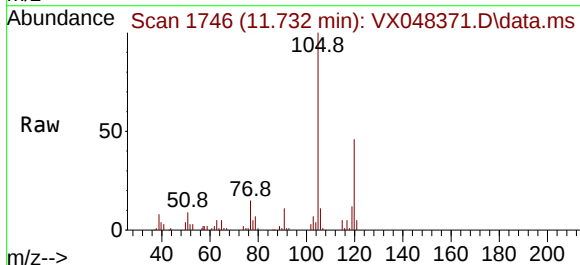
Instrument :
MSVOA_X
ClientSampleId :
SB-17DL

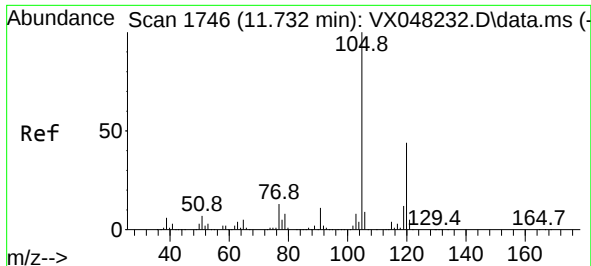
Tgt Ion: 75 Resp: 55090
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.1 36.8 55.2#



#83
tert-Butylbenzene
Concen: 0.407 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.037 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

Tgt Ion: 119 Resp: 2819
Ion Ratio Lower Upper
119 100
91 101.9 30.3 91.0#
134 0.0 11.4 34.2#

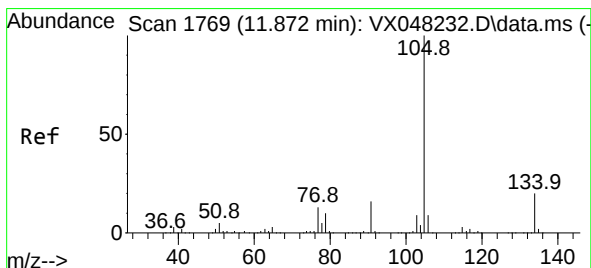
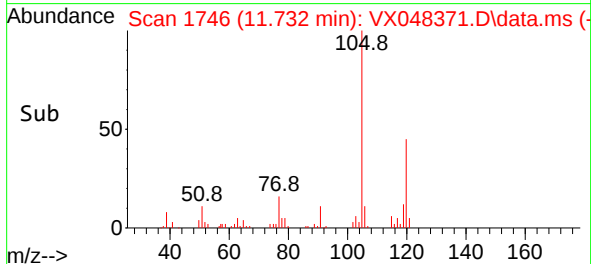
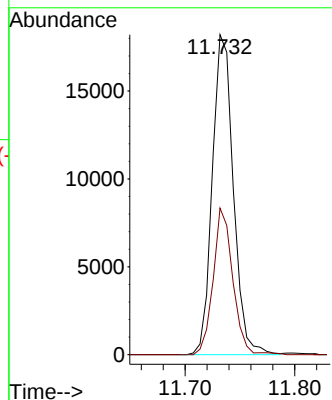
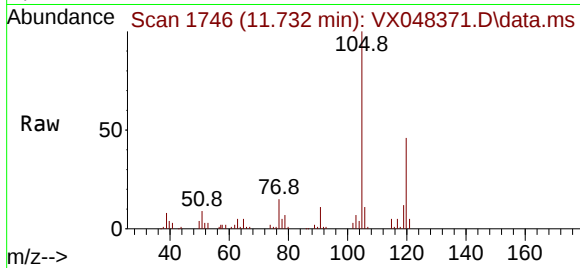




#84
1,2,4-Trimethylbenzene
Concen: 3.613 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

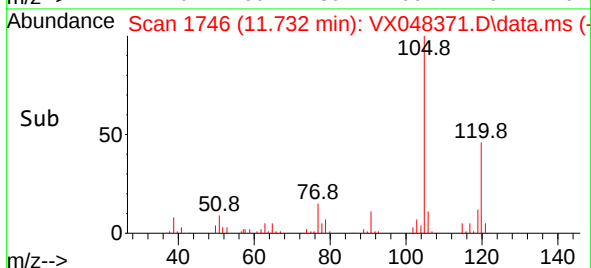
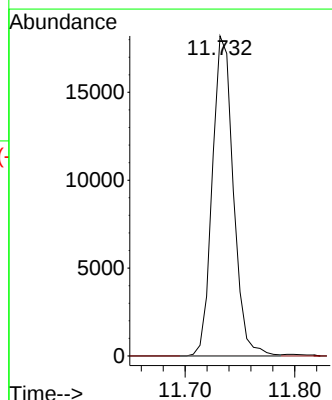
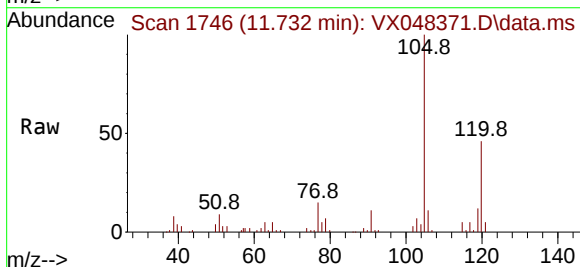
Instrument :
MSVOA_X
ClientSampleId :
SB-17DL

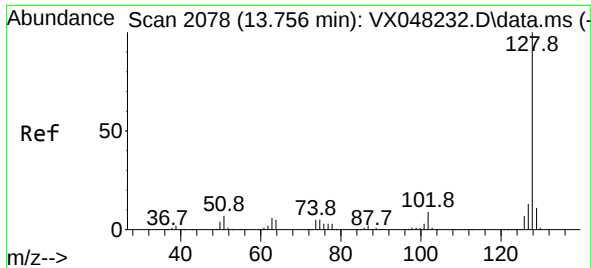
Tgt Ion:105 Resp: 24283
Ion Ratio Lower Upper
105 100
120 42.7 22.1 66.5



#85
sec-Butylbenzene
Concen: 2.917 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.140 min
Lab File: VX048371.D
Acq: 27 Oct 2025 15:02

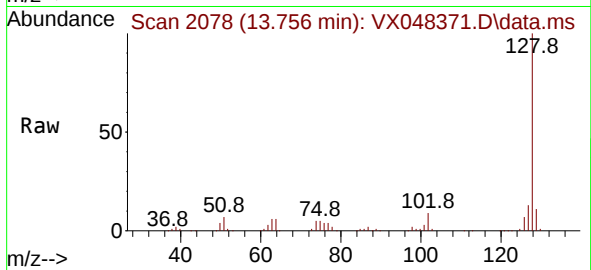
Tgt Ion:105 Resp: 24283
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#





#95
 Naphthalene
 Concen: 21.138 ug/l
 RT: 13.756 min Scan# 2078
 Delta R.T. 0.000 min
 Lab File: VX048371.D
 Acq: 27 Oct 2025 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-17DL



Tgt Ion:128 Resp: 136788
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.2 15.4
 129 10.9 8.6 12.8

