

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048369.D
 Acq On : 27 Oct 2025 14:21
 Operator : JC/MD
 Sample : Q3446-01 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-14DL

Quant Time: Oct 28 01:53:59 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)

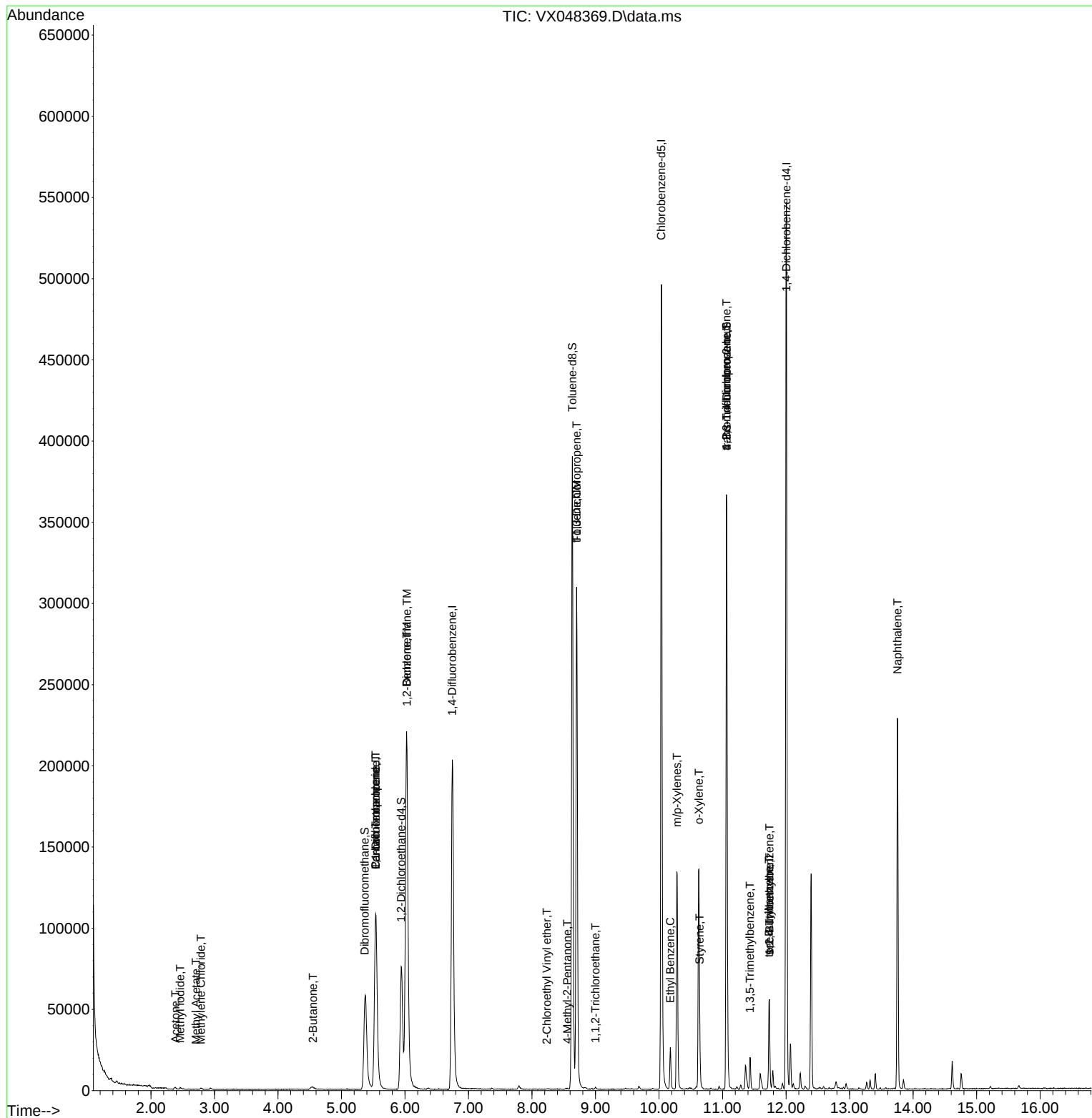
Internal Standards						
1) Pentafluorobenzene	5.538	168	110557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	220719	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	222784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	85731	55.307	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.620%			
35) Dibromofluoromethane	5.367	113	58032	38.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 77.020%			
50) Toluene-d8	8.635	98	237158	44.903	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.800%#			
62) 4-Bromofluorobenzene	11.061	95	105582	52.547	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.100%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	1150	0.767	ug/l #	92
16) Acetone	2.386	43	1562	2.937	ug/l	97
18) Methyl Acetate	2.709	43	315	0.284	ug/l #	67
20) Methylene Chloride	2.788	84	386	0.298	ug/l #	62
25) 2-Butanone	4.550	43	253	0.376	ug/l #	50
36) 1,1-Dichloropropene	5.538	75	9378	4.379	ug/l #	51
38) Carbon Tetrachloride	5.538	117	11311	4.281	ug/l #	15
40) Benzene	6.025	78	281554	45.280	ug/l	99
42) 1,2-Dichloroethane	6.031	62	2811	1.225	ug/l #	76
51) 4-Methyl-2-Pentanone	8.555	43	365	0.217	ug/l #	73
52) Toluene	8.702	92	119856	30.341	ug/l	99
53) t-1,3-Dichloropropene	8.702	75	1615	0.674	ug/l #	1
55) 1,1,2-Trichloroethane	9.000	97	730	0.497	ug/l #	14
58) 2-Chloroethyl Vinyl ether	8.232	63	254	1.916	ug/l #	47
67) Ethyl Benzene	10.177	91	14646	1.716	ug/l	100
68) m/p-Xylenes	10.281	106	32580	10.277	ug/l	99
69) o-Xylene	10.628	106	30213	9.871	ug/l	100
70) Styrene	10.640	104	8336	1.600	ug/l #	43
76) 1,2,3-Trichloropropane	11.061	75	56544	30.001	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.433	105	9291	1.323	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.061	75	56544	72.990	ug/l #	10
83) tert-Butylbenzene	11.732	119	2848	0.395	ug/l #	45
84) 1,2,4-Trimethylbenzene	11.738	105	24804	3.538	ug/l	97
85) sec-Butylbenzene	11.738	105	24804	2.856	ug/l #	56
95) Naphthalene	13.756	128	134876	19.982	ug/l	99

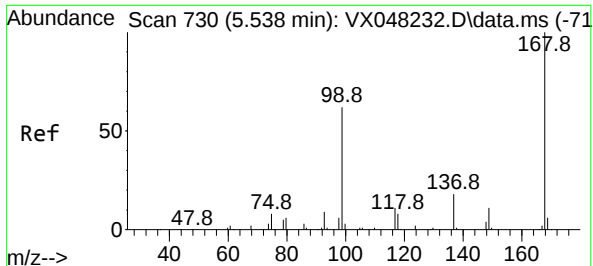
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

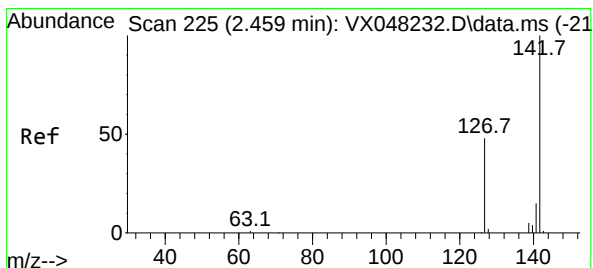
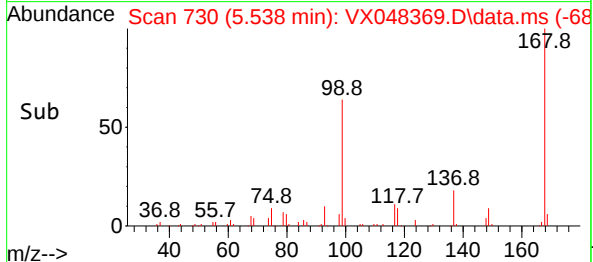
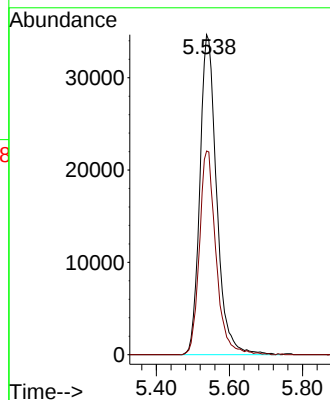
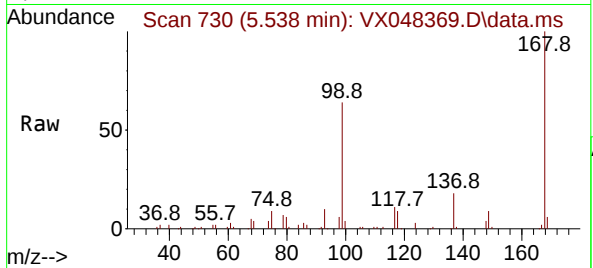




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

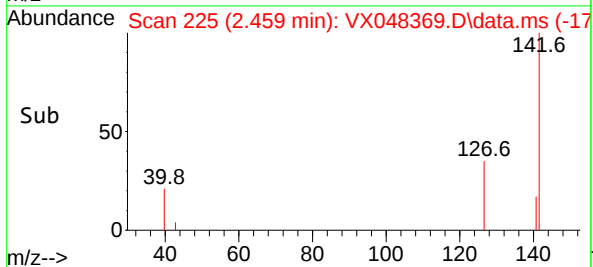
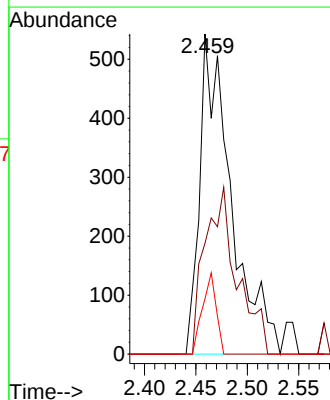
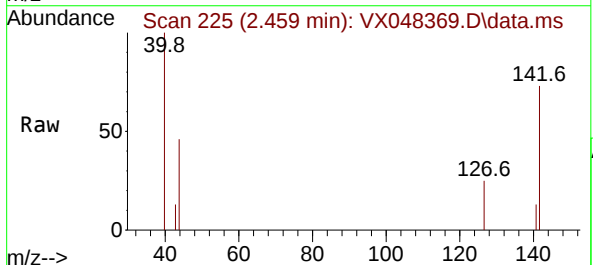
Instrument :
MSVOA_X
ClientSampleId :
SB-14DL

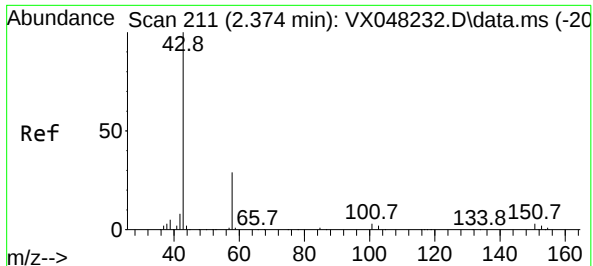
Tgt Ion:168 Resp: 110557
Ion Ratio Lower Upper
168 100
99 63.6 46.4 69.6



#10
Methyl Iodide
Concen: 0.767 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion:142 Resp: 1150
Ion Ratio Lower Upper
142 100
127 53.4 38.5 57.7
141 11.1 11.6 17.4#

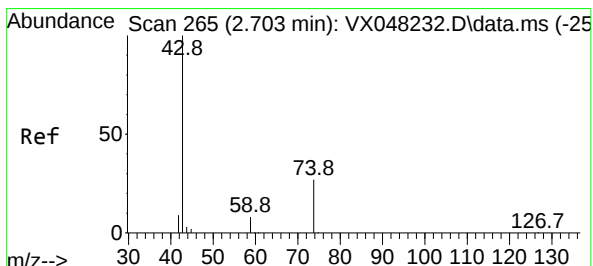
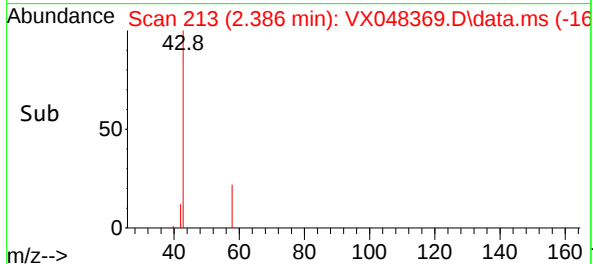
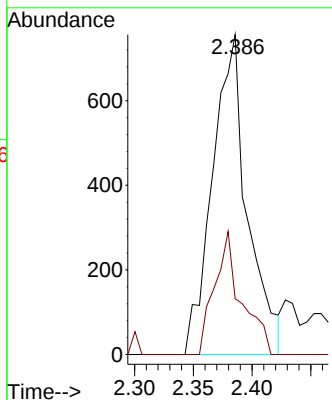
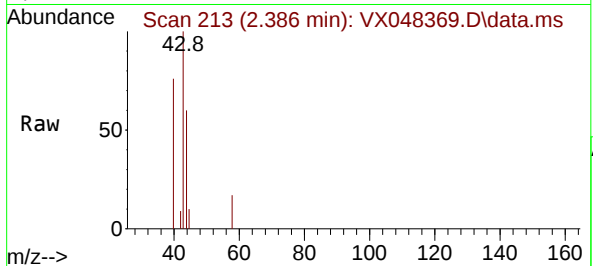




#16
Acetone
Concen: 2.937 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

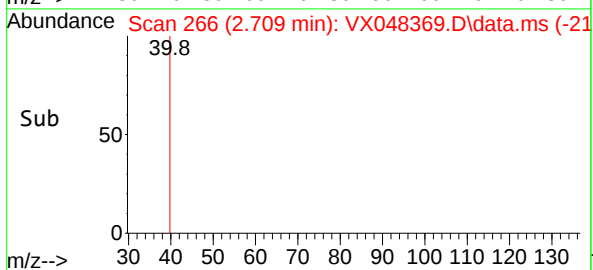
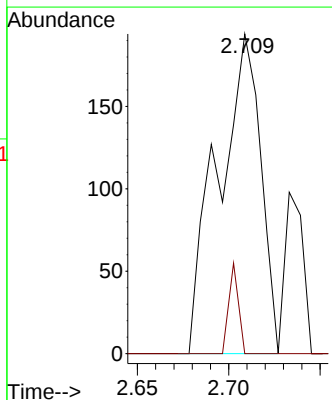
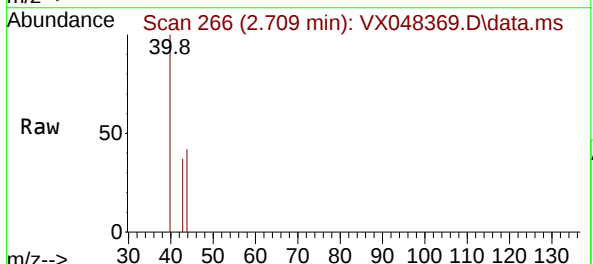
Instrument :
MSVOA_X
ClientSampleId :
SB-14DL

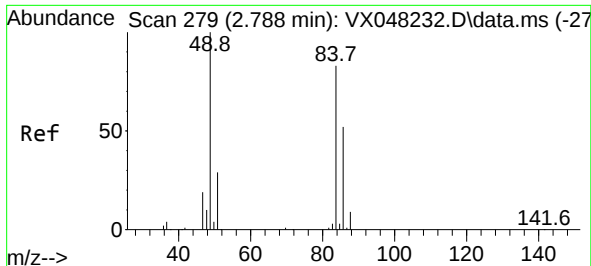
Tgt Ion: 43 Resp: 1562
Ion Ratio Lower Upper
43 100
58 30.8 23.4 35.2



#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion: 43 Resp: 315
Ion Ratio Lower Upper
43 100
74 6.3 17.5 26.3#

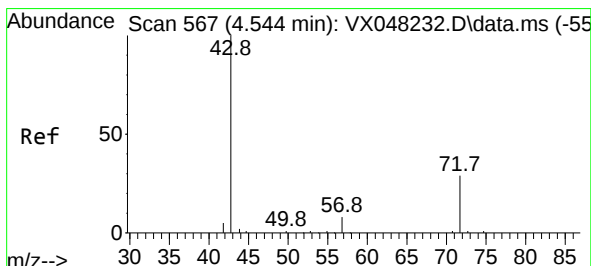
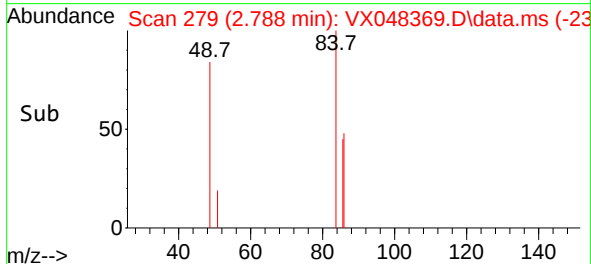
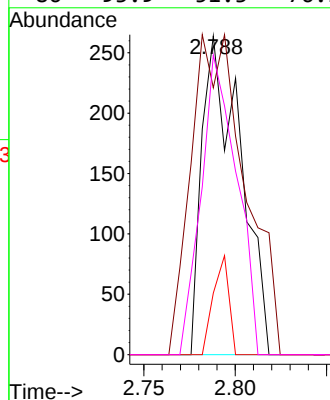
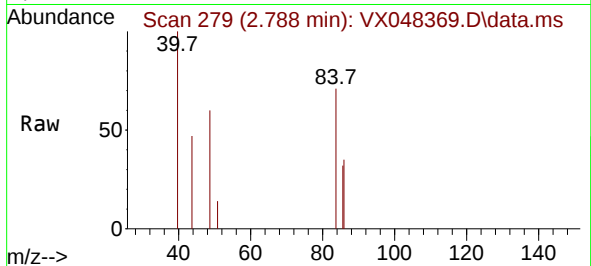




#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

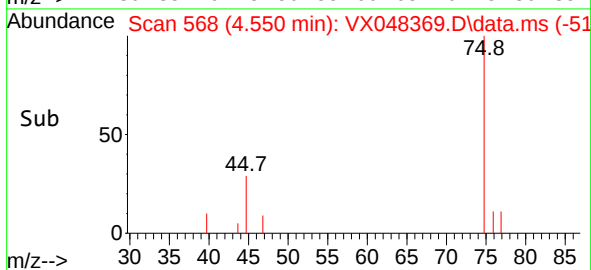
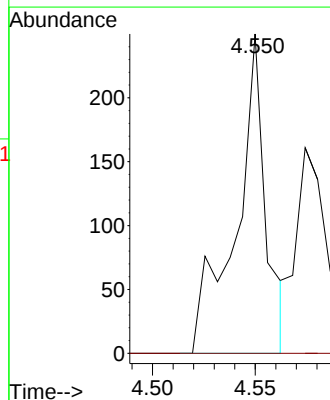
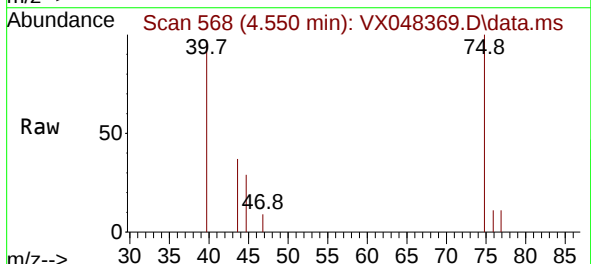
Instrument :
MSVOA_X
ClientSampleId :
SB-14DL

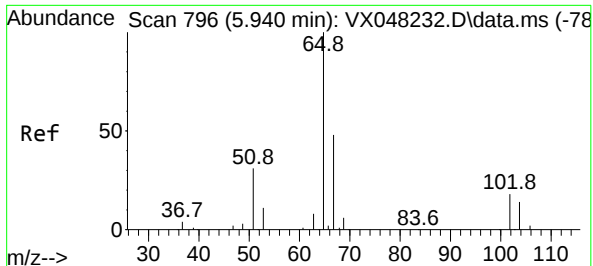
Tgt Ion:	84	Resp:	386
Ion	Ratio	Lower	Upper
84	100		
49	83.7	104.1	156.1#
51	19.3	31.3	46.9#
86	93.9	51.3	76.9#



#25
2-Butanone
Concen: 0.376 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion:	43	Resp:	253
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.9	29.9#





#33

1,2-Dichloroethane-d4

Concen: 55.307 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048369.D

Acq: 27 Oct 2025 14:21

Instrument :

MSVOA_X

ClientSampleId :

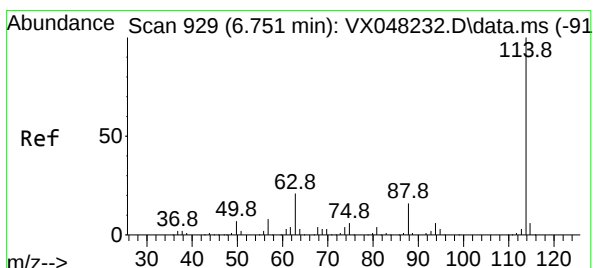
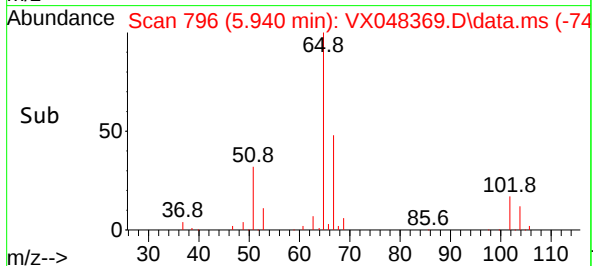
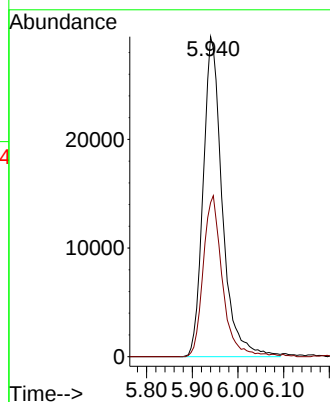
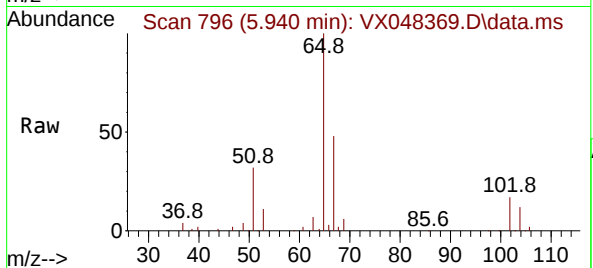
SB-14DL

Tgt Ion: 65 Resp: 85731

Ion Ratio Lower Upper

65 100

67 50.4 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: VX048369.D

Acq: 27 Oct 2025 14:21

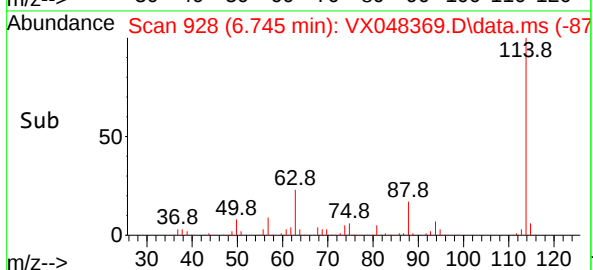
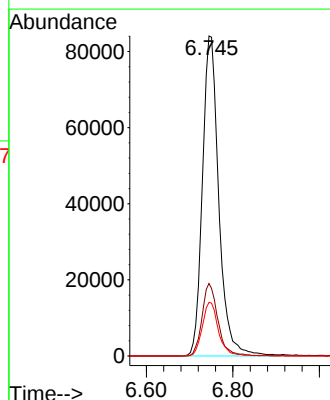
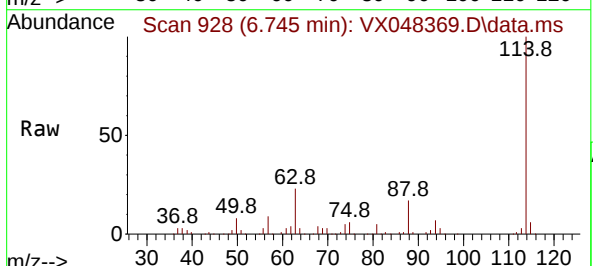
Tgt Ion: 114 Resp: 220719

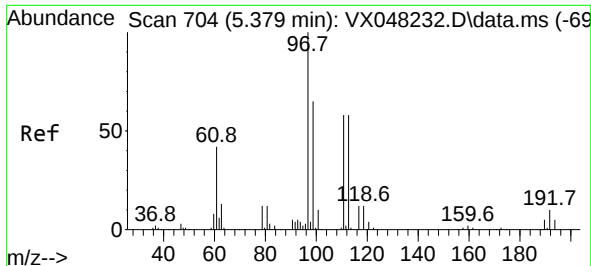
Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.2

88 16.7 0.0 33.6

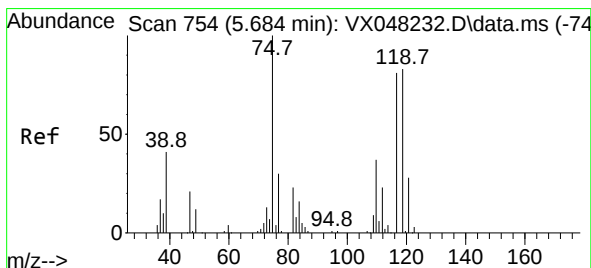
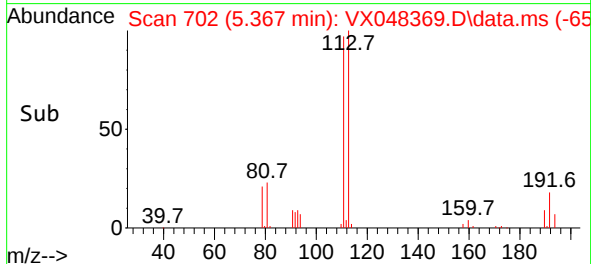
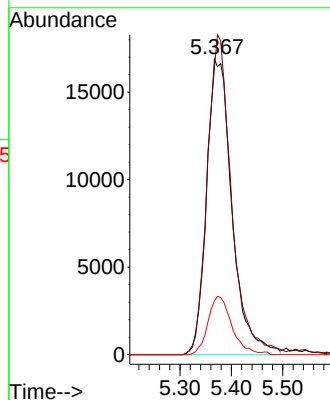
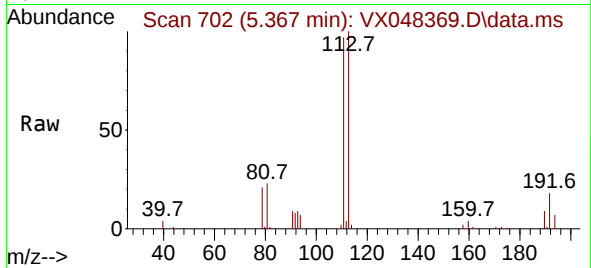




#35
Dibromofluoromethane
Concen: 38.513 ug/l
RT: 5.367 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

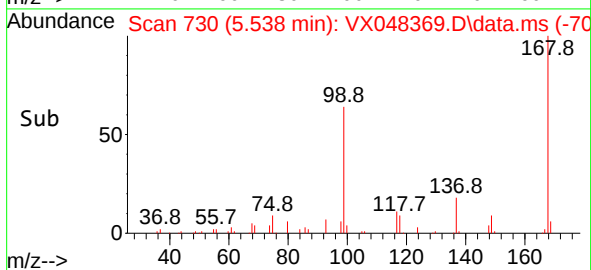
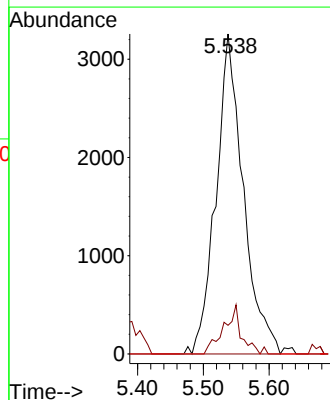
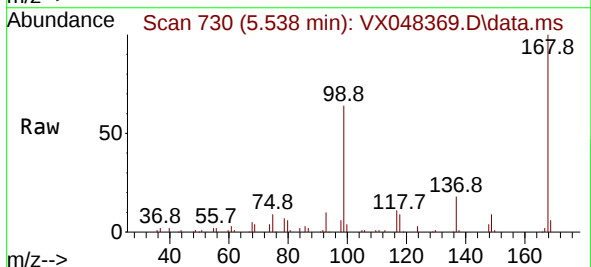
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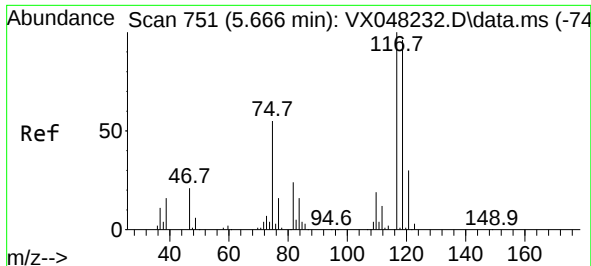
Tgt Ion:113 Resp: 58032
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 18.6 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.379 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion: 75 Resp: 9378
Ion Ratio Lower Upper
75 100
110 9.9 17.7 53.1#
77 0.0 24.3 36.5#

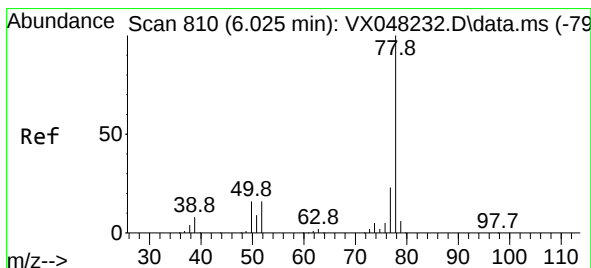
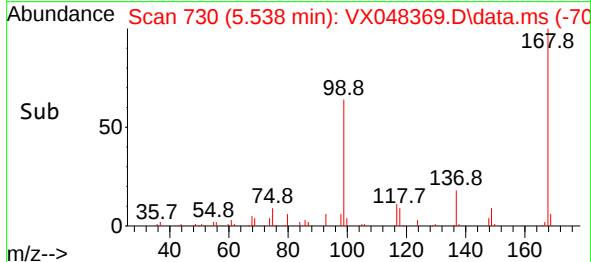
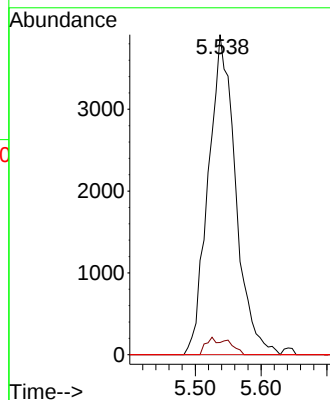
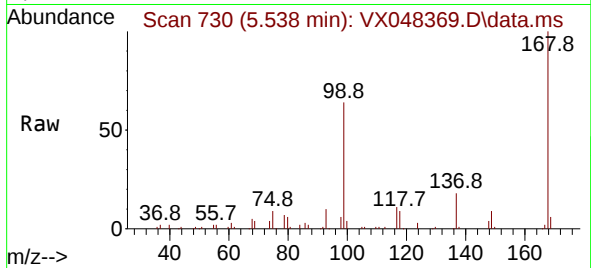




#38
Carbon Tetrachloride
Concen: 4.281 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

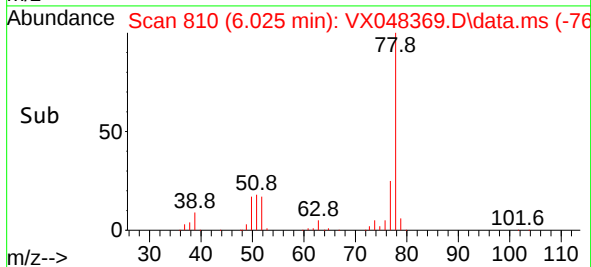
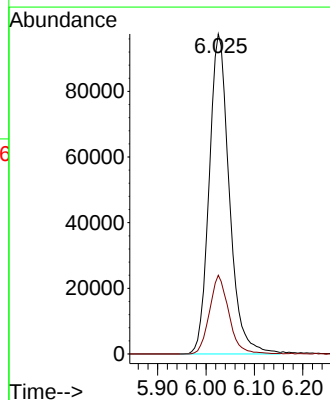
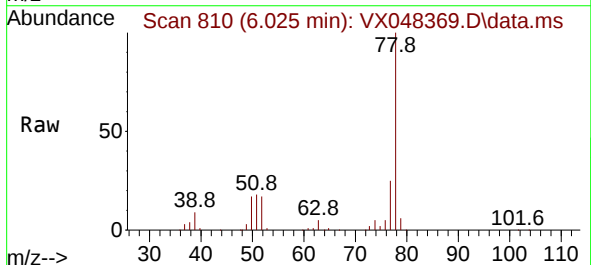
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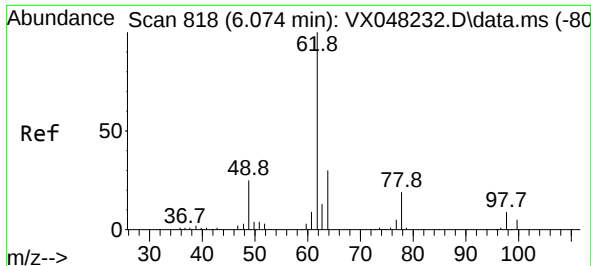
Tgt Ion:117 Resp: 11311
Ion Ratio Lower Upper
117 100
119 3.8 77.2 115.8#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 45.280 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion: 78 Resp: 281554
Ion Ratio Lower Upper
78 100
77 24.6 19.3 28.9





#42

1,2-Dichloroethane

Concen: 1.225 ug/l

RT: 6.031 min Scan# 81

Delta R.T. -0.037 min

Lab File: VX048369.D

Acq: 27 Oct 2025 14:21

Instrument :

MSVOA_X

ClientSampleId :

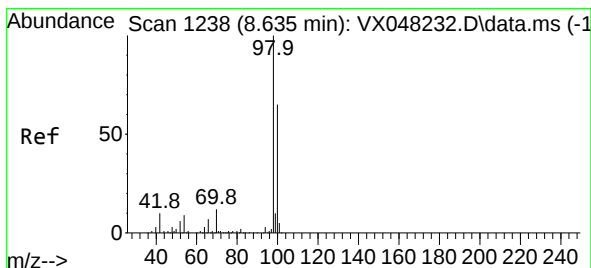
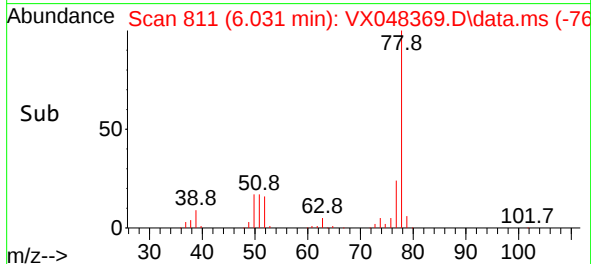
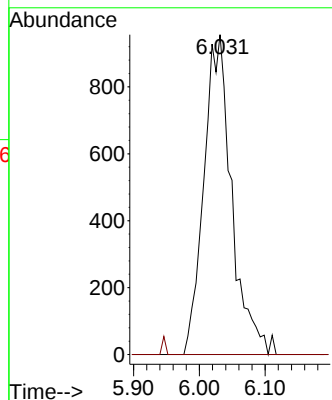
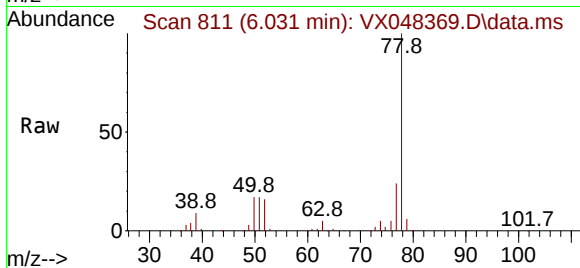
SB-14DL

Tgt Ion: 62 Resp: 2811

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.2



#50

Toluene-d8

Concen: 44.903 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048369.D

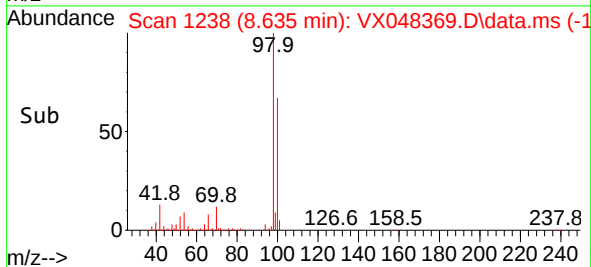
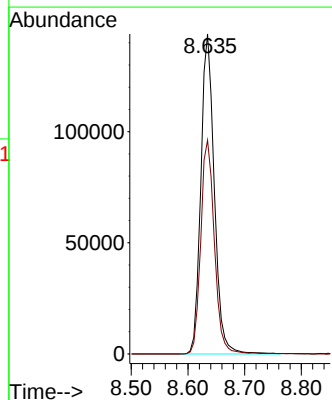
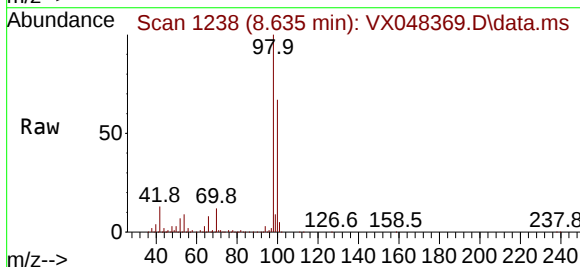
Acq: 27 Oct 2025 14:21

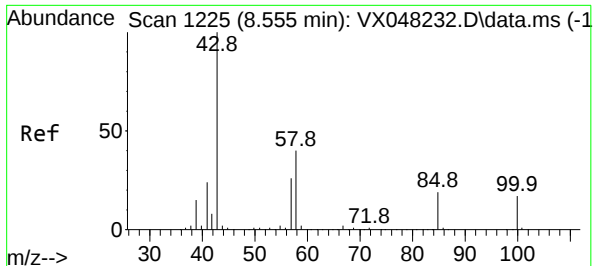
Tgt Ion: 98 Resp: 237158

Ion Ratio Lower Upper

98 100

100 67.5 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 0.217 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.000 min

Lab File: VX048369.D

Acq: 27 Oct 2025 14:21

Instrument :

MSVOA_X

ClientSampleId :

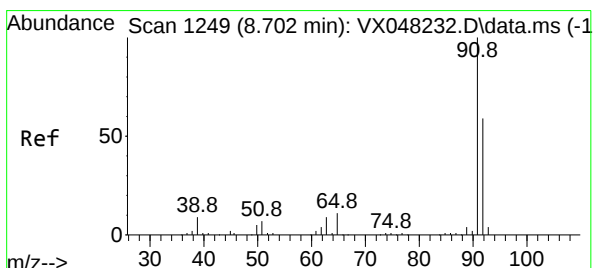
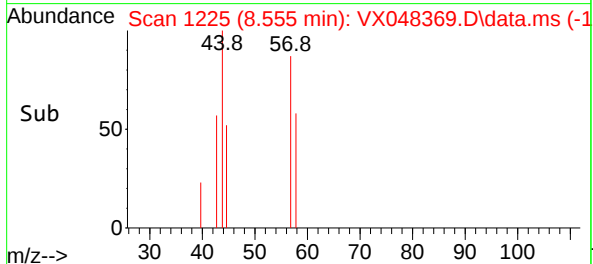
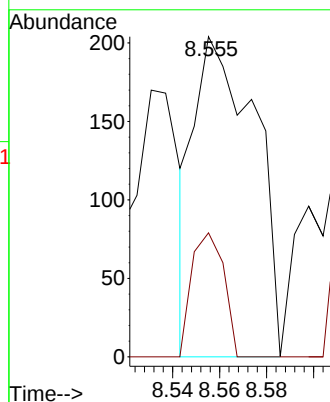
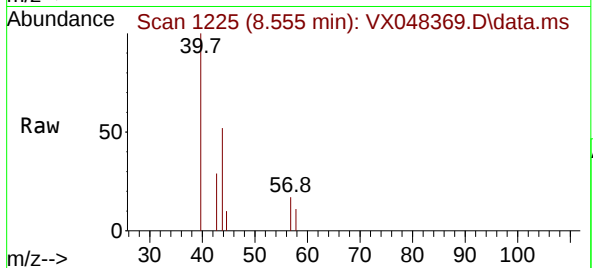
SB-14DL

Tgt Ion: 43 Resp: 365

Ion Ratio Lower Upper

43 100

58 20.5 29.5 44.3#



#52

Toluene

Concen: 30.341 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VX048369.D

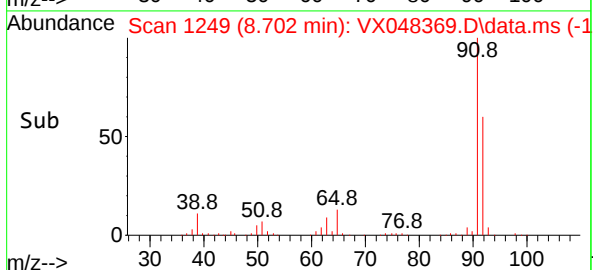
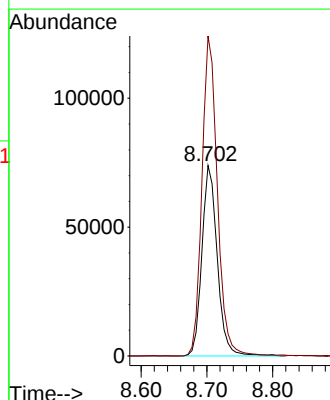
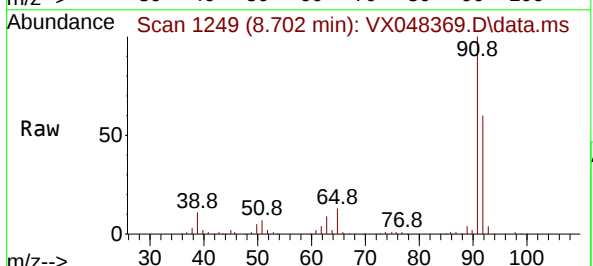
Acq: 27 Oct 2025 14:21

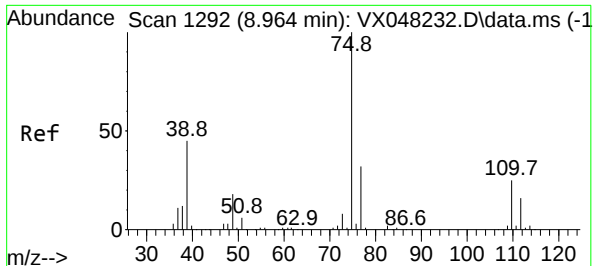
Tgt Ion: 92 Resp: 119856

Ion Ratio Lower Upper

92 100

91 168.8 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 0.674 ug/l

RT: 8.702 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX048369.D

Acq: 27 Oct 2025 14:21

Instrument :

MSVOA_X

ClientSampleId :

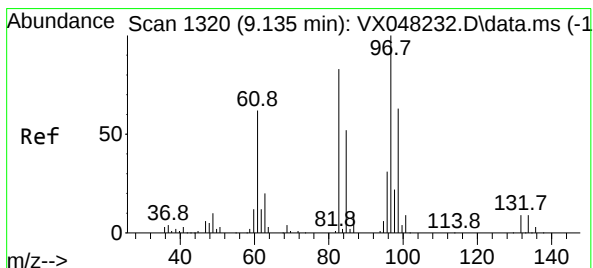
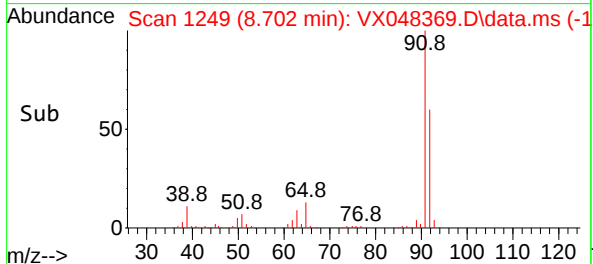
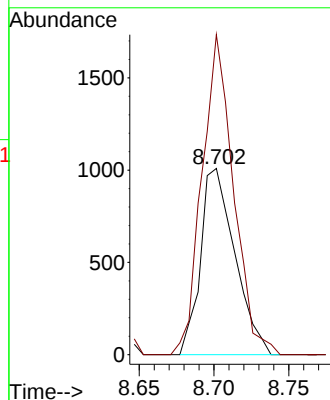
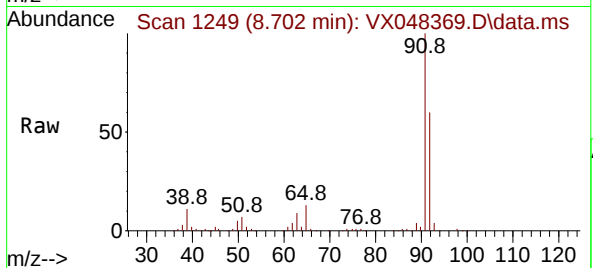
SB-14DL

Tgt Ion: 75 Resp: 1615

Ion Ratio Lower Upper

75 100

77 171.9 25.0 37.6#



#55

1,1,2-Trichloroethane

Concen: 0.497 ug/l

RT: 9.000 min Scan# 1298

Delta R.T. -0.134 min

Lab File: VX048369.D

Acq: 27 Oct 2025 14:21

Tgt Ion: 97 Resp: 730

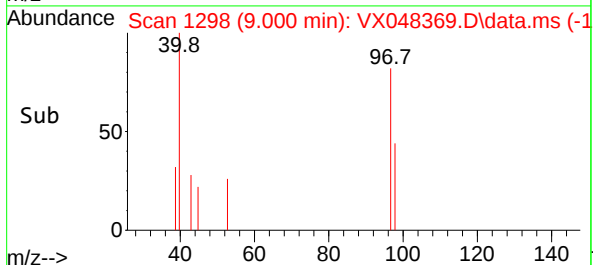
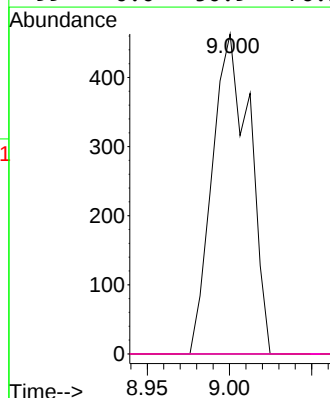
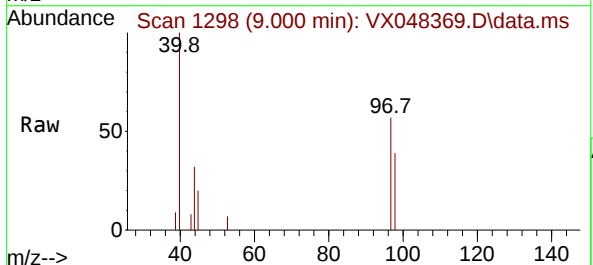
Ion Ratio Lower Upper

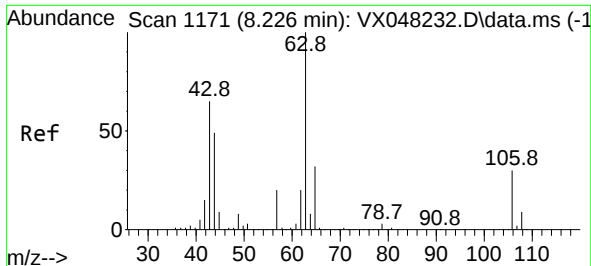
97 100

83 0.0 70.6 105.8#

85 0.0 45.0 67.6#

99 0.0 50.9 76.3#

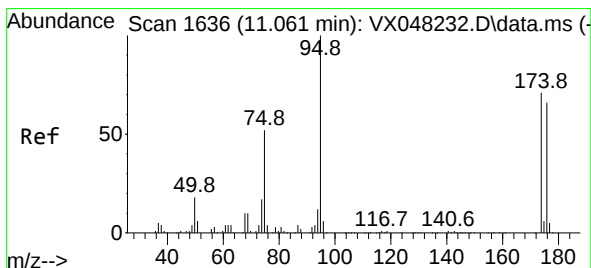
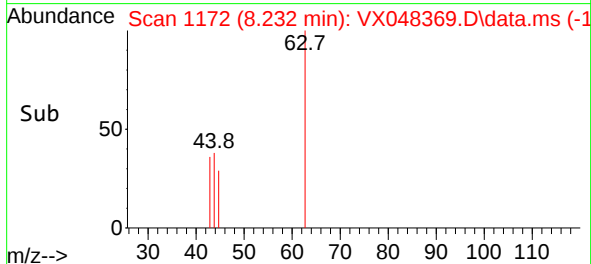
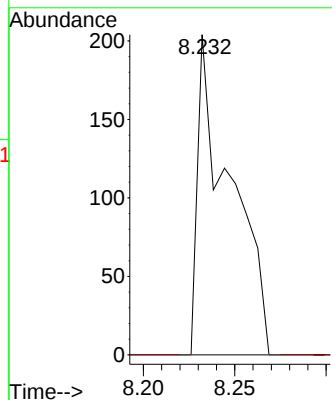
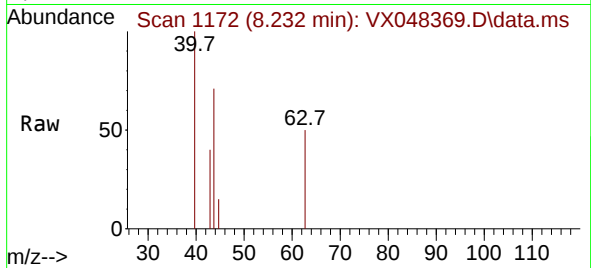




#58
2-Chloroethyl Vinyl ether
Concen: 1.916 ug/l
RT: 8.232 min Scan# 1171
Delta R.T. 0.006 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

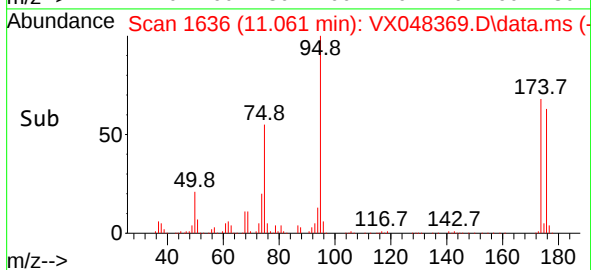
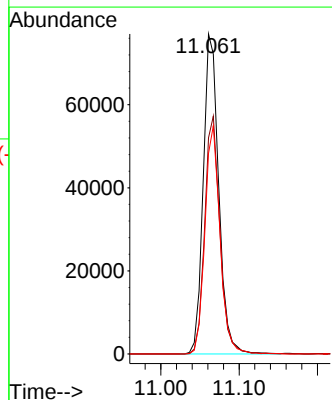
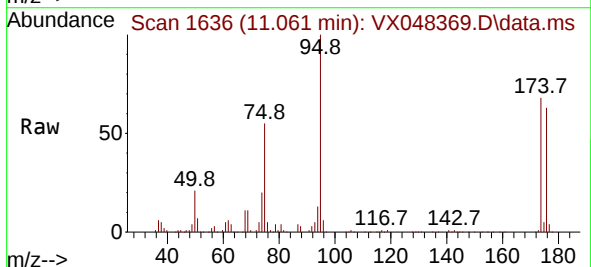
Instrument :
MSVOA_X
ClientSampleId :
SB-14DL

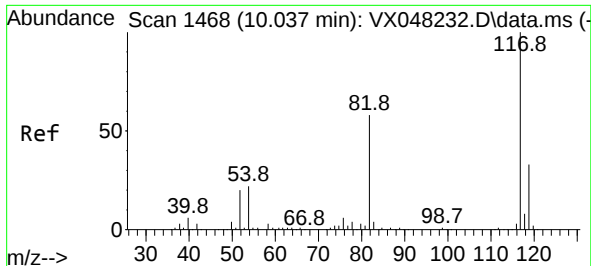
Tgt Ion: 63 Resp: 254
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 52.547 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion: 95 Resp: 105582
Ion Ratio Lower Upper
95 100
174 73.2 0.0 147.8
176 69.8 0.0 142.8

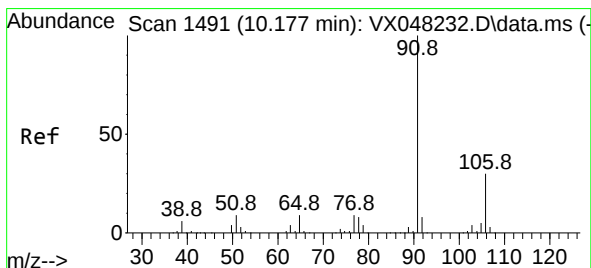
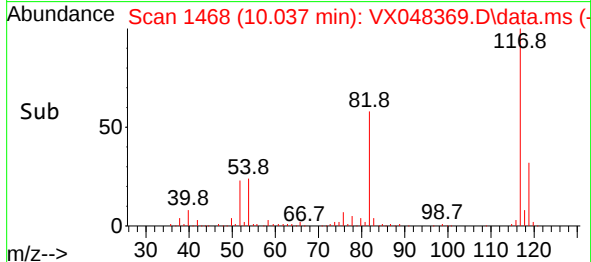
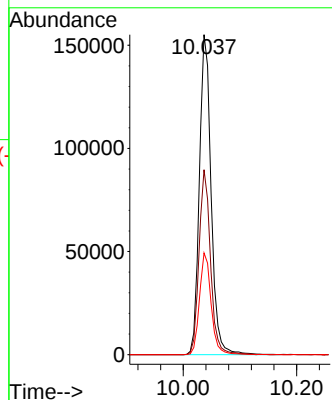
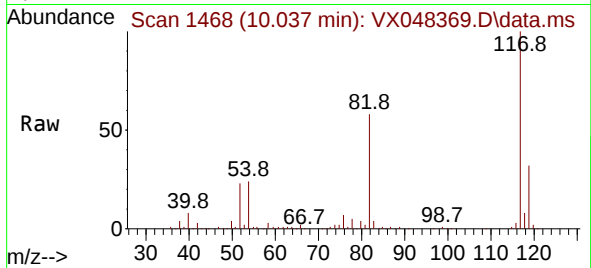




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

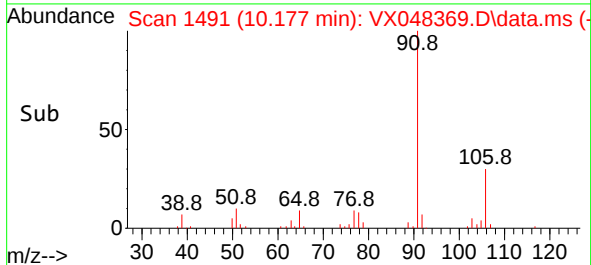
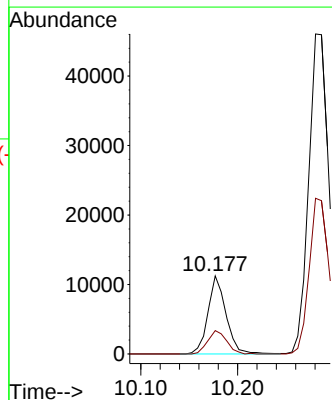
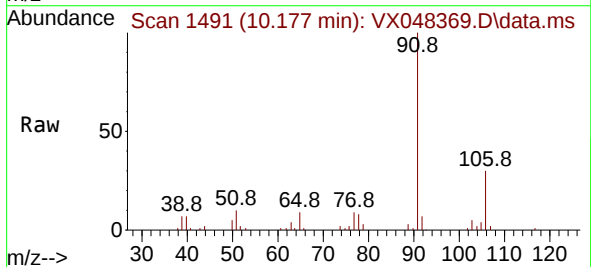
Instrument :
MSVOA_X
ClientSampleId :
SB-14DL

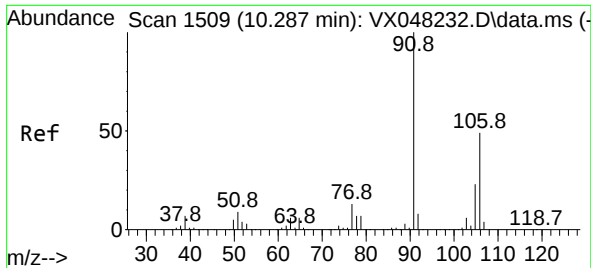
Tgt Ion:117 Resp: 222784
Ion Ratio Lower Upper
117 100
82 57.8 46.5 69.7
119 31.8 25.9 38.9



#67
Ethyl Benzene
Concen: 1.716 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion: 91 Resp: 14646
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

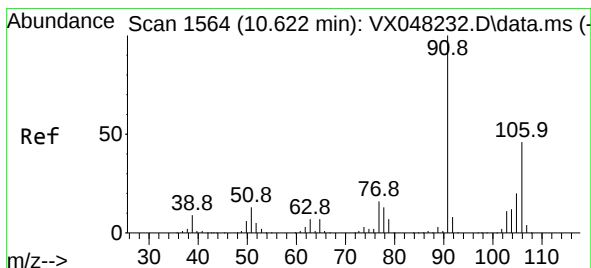
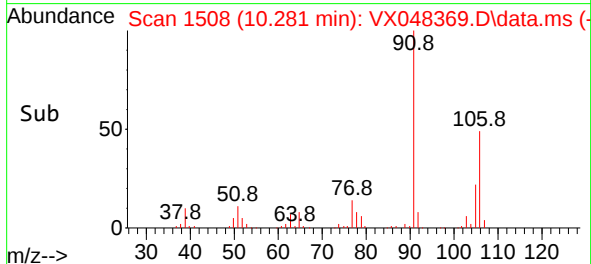
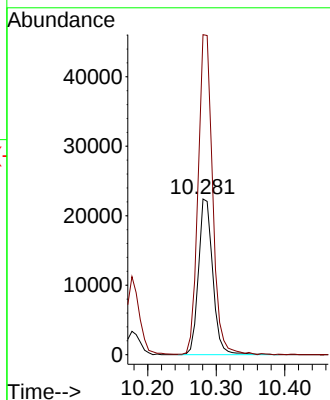
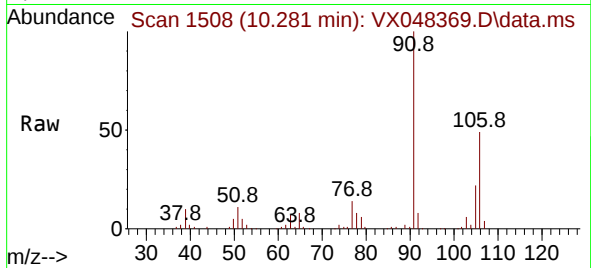




#68
m/p-Xylenes
Concen: 10.277 ug/l
RT: 10.281 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

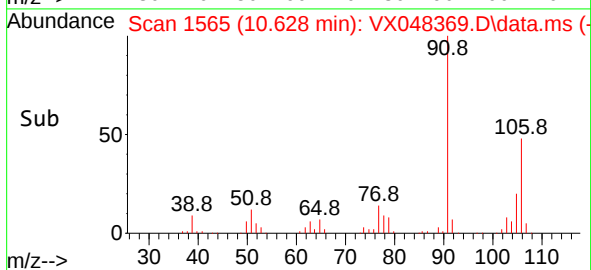
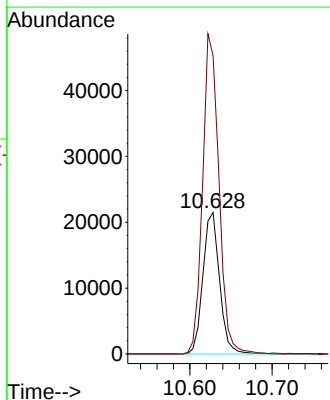
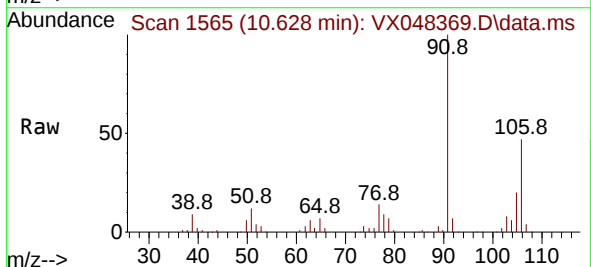
Instrument :
MSVOA_X
ClientSampleId :
SB-14DL

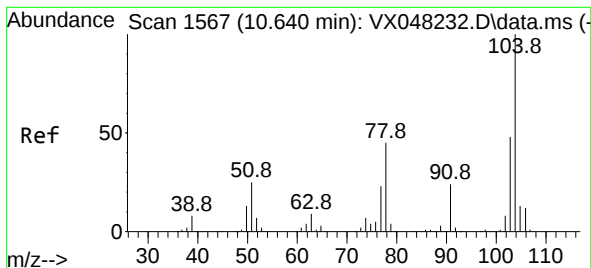
Tgt Ion:106 Resp: 32580
Ion Ratio Lower Upper
106 100
91 208.5 167.9 251.9



#69
o-Xylene
Concen: 9.871 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion:106 Resp: 30213
Ion Ratio Lower Upper
106 100
91 222.3 111.3 333.9





#70

Styrene

Concen: 1.600 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048369.D

Acq: 27 Oct 2025 14:21

Instrument :

MSVOA_X

ClientSampleId :

SB-14DL

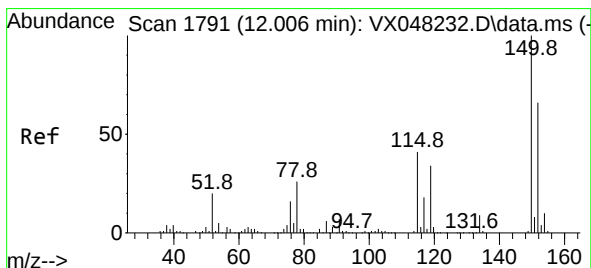
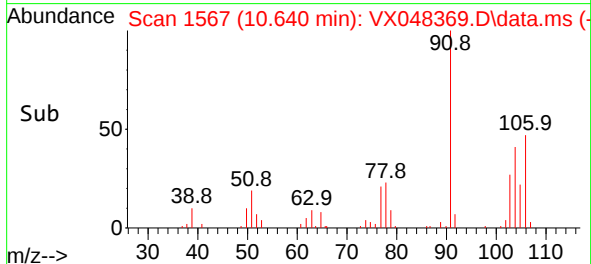
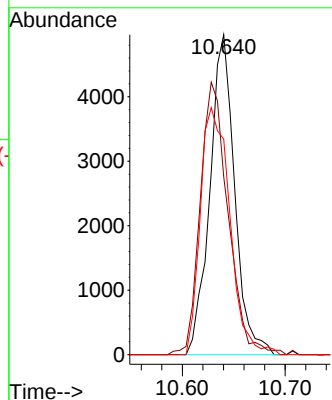
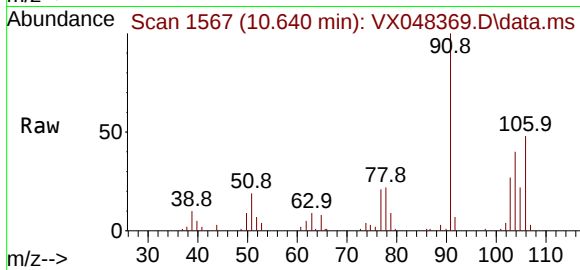
Tgt Ion:104 Resp: 8336

Ion Ratio Lower Upper

104 100

78 95.8 42.2 63.4#

103 91.5 43.0 64.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048369.D

Acq: 27 Oct 2025 14:21

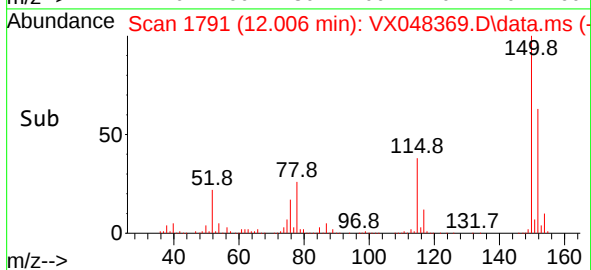
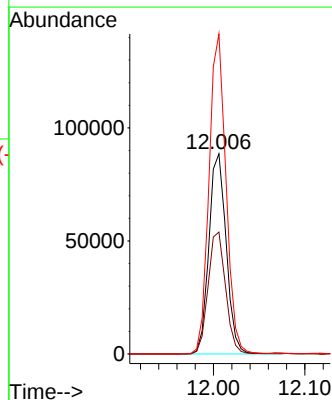
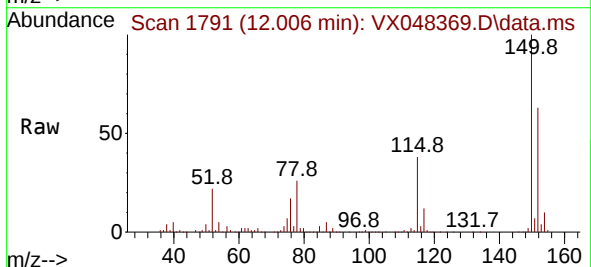
Tgt Ion:152 Resp: 116223

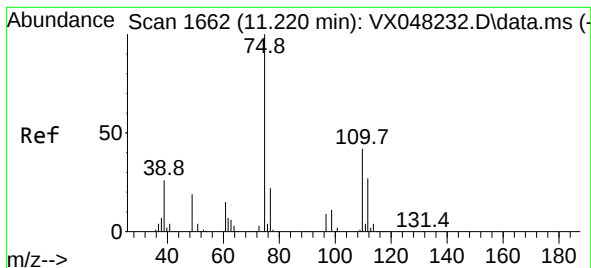
Ion Ratio Lower Upper

152 100

115 61.8 43.1 129.4

150 156.6 0.0 353.0

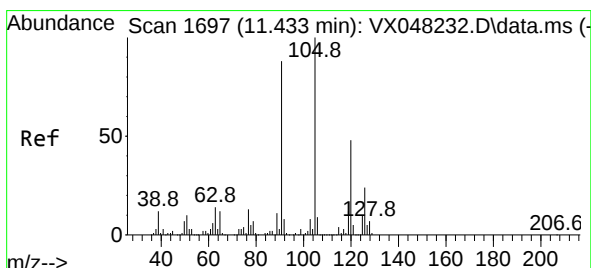
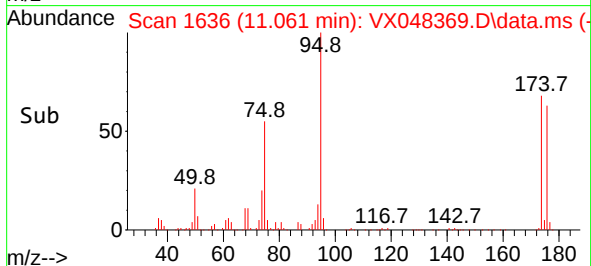
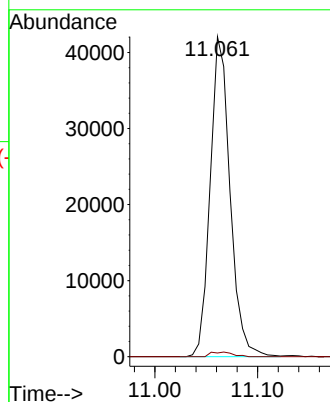
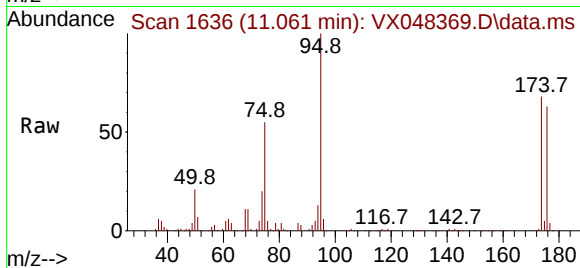




#76
1,2,3-Trichloropropane
Concen: 30.001 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

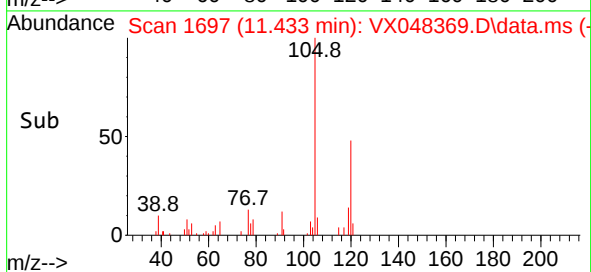
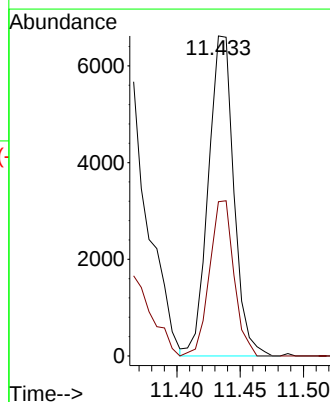
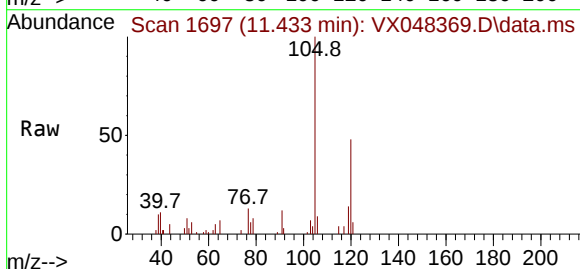
Instrument :
MSVOA_X
ClientSampleId :
SB-14DL

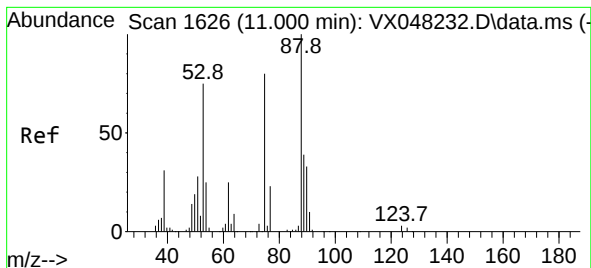
Tgt Ion: 75 Resp: 56544
Ion Ratio Lower Upper
75 100
77 1.6 22.4 67.2#



#80
1,3,5-Trimethylbenzene
Concen: 1.323 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion:105 Resp: 9291
Ion Ratio Lower Upper
105 100
120 46.4 24.0 72.0

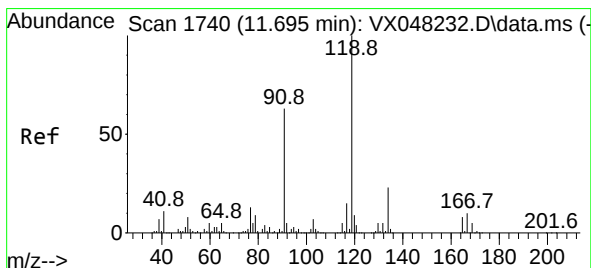
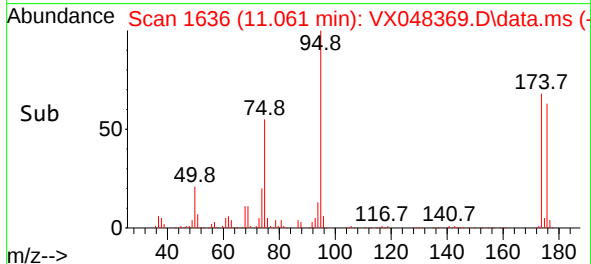
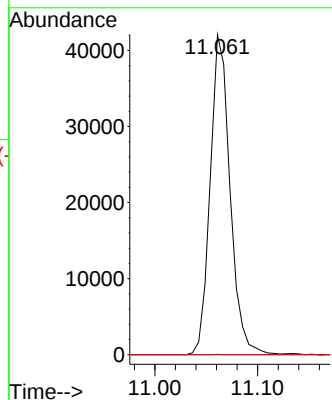
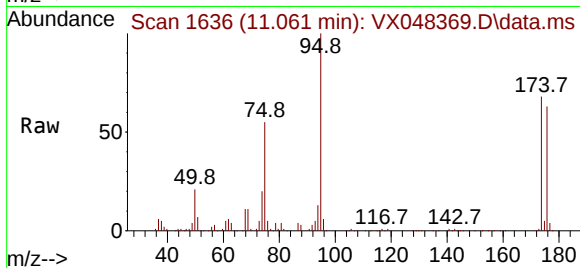




#81
trans-1,4-Dichloro-2-butene
Concen: 72.990 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

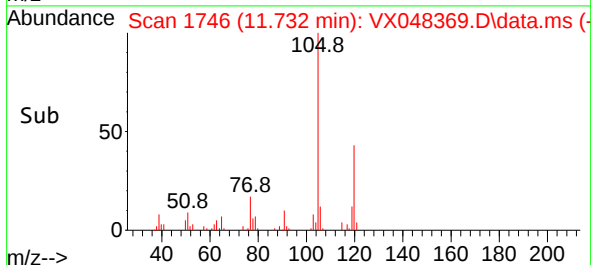
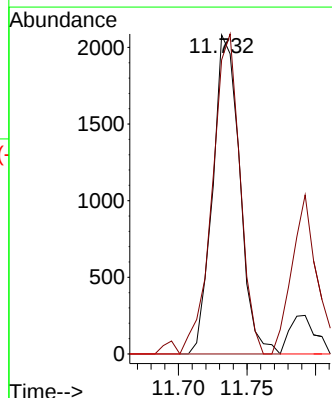
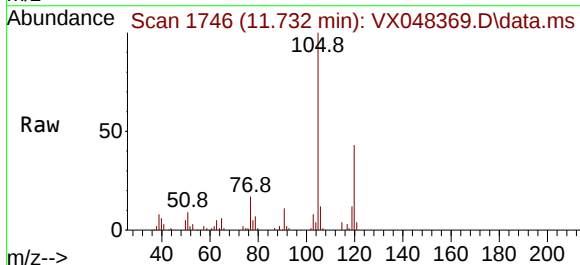
Instrument :
MSVOA_X
ClientSampleId :
SB-14DL

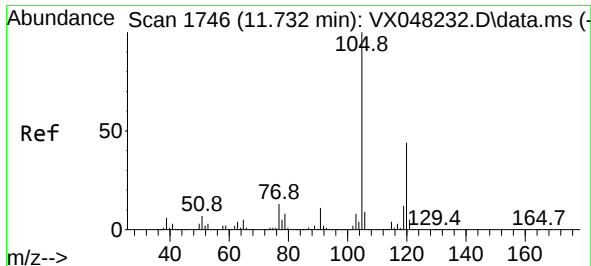
Tgt Ion: 75 Resp: 56544
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#83
tert-Butylbenzene
Concen: 0.395 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.036 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion: 119 Resp: 2848
Ion Ratio Lower Upper
119 100
91 104.6 30.3 91.0#
134 0.0 11.4 34.2#

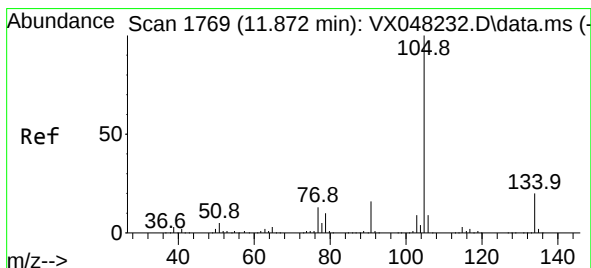
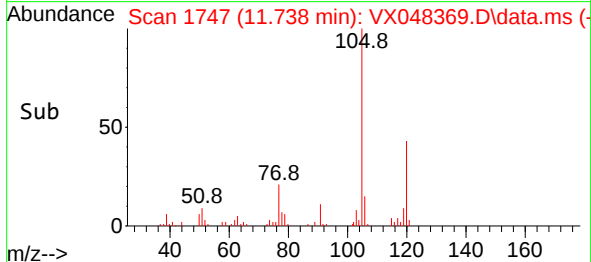
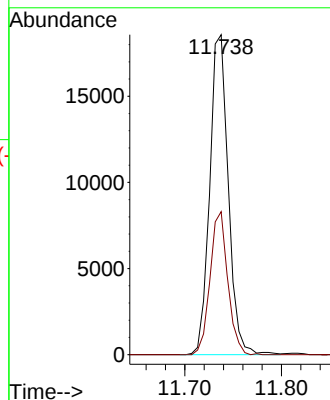
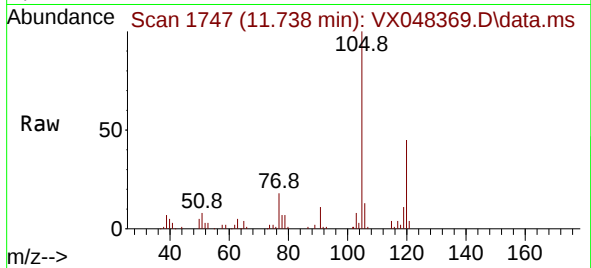




#84
1,2,4-Trimethylbenzene
Concen: 3.538 ug/l
RT: 11.738 min Scan# 1746
Delta R.T. 0.006 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

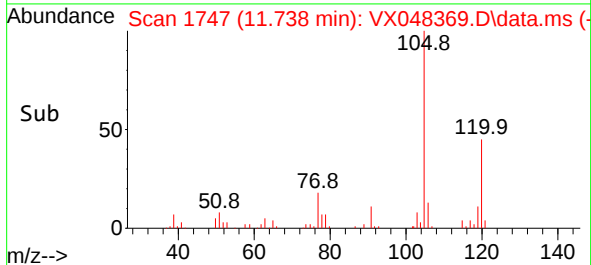
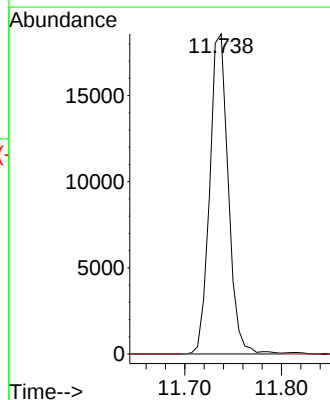
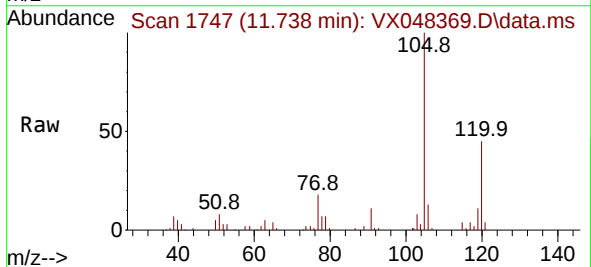
Instrument :
MSVOA_X
ClientSampleId :
SB-14DL

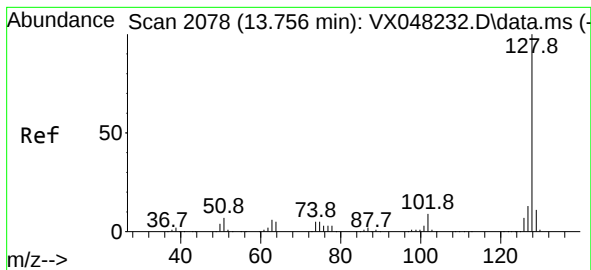
Tgt Ion:105 Resp: 24804
Ion Ratio Lower Upper
105 100
120 42.6 22.1 66.5



#85
sec-Butylbenzene
Concen: 2.856 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. -0.134 min
Lab File: VX048369.D
Acq: 27 Oct 2025 14:21

Tgt Ion:105 Resp: 24804
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#





#95

Naphthalene

Concen: 19.982 ug/l

RT: 13.756 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX048369.D

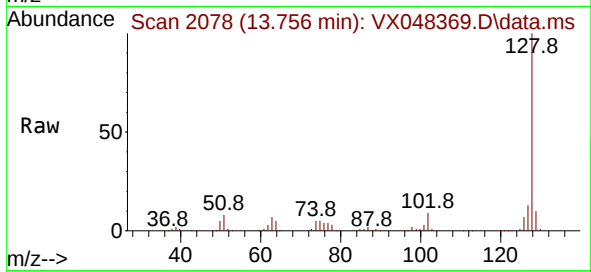
Acq: 27 Oct 2025 14:21

Instrument :

MSVOA_X

ClientSampleId :

SB-14DL



Tgt Ion:128 Resp: 134876

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.9 8.6 12.8

