

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048211.D
 Acq On : 17 Oct 2025 14:51
 Operator : JC/MD
 Sample : Q3361-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 00:18:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

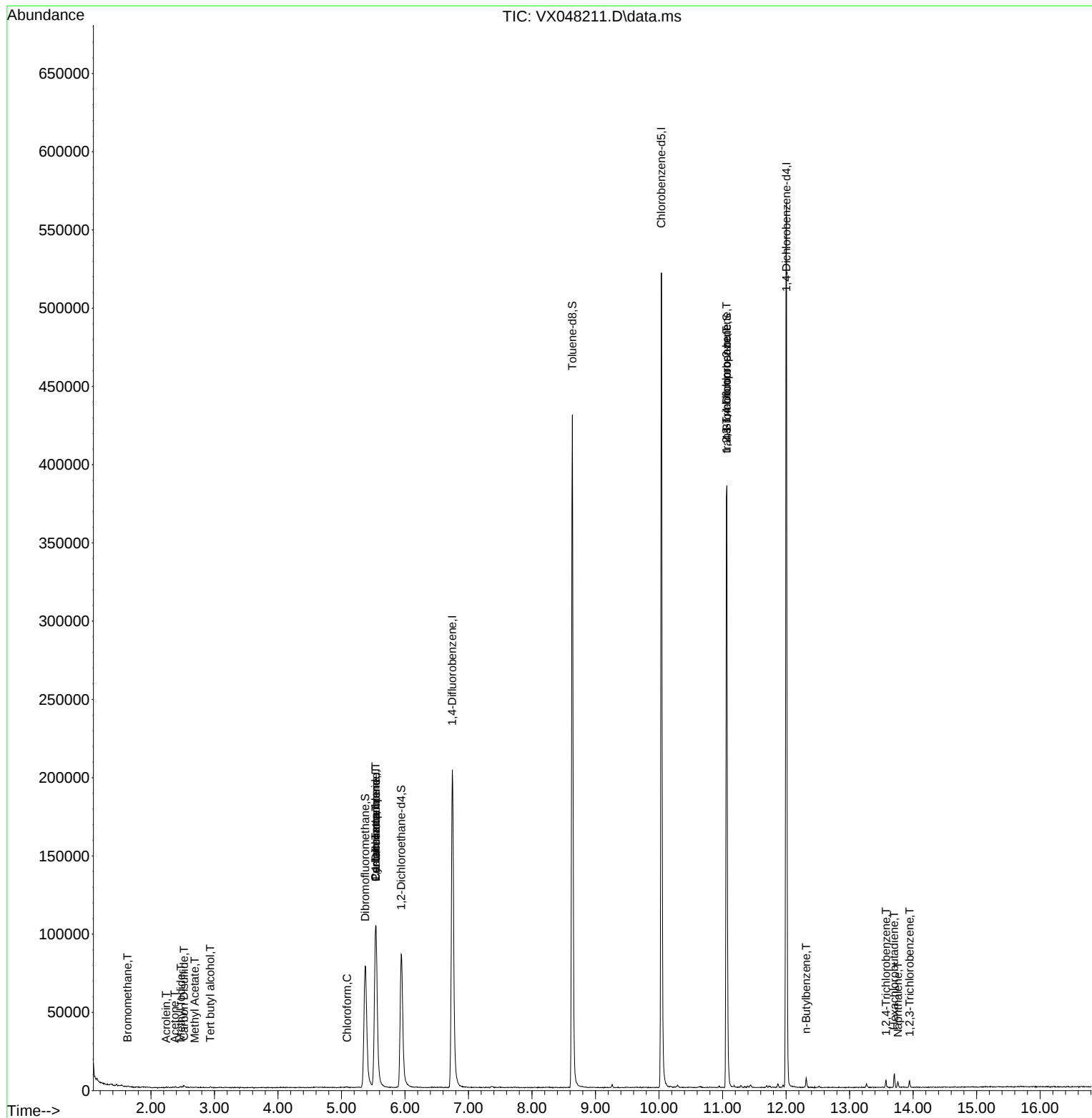
Internal Standards						
1) Pentafluorobenzene	5.543	168	105188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	218796	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	233169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	94418	57.940	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.880%	
35) Dibromofluoromethane	5.373	113	76522	50.393	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.780%	
50) Toluene-d8	8.634	98	260539	47.626	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.260%	
62) 4-Bromofluorobenzene	11.067	95	115421	57.928	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.629	94	306	0.327	ug/l	97
10) Methyl Iodide	2.471	142	621	0.416	ug/l #	70
11) Tert butyl alcohol	2.934	59	27	0.250	ug/l #	72
13) Acrolein	2.239	56	90	0.396	ug/l #	15
16) Acetone	2.373	43	299	0.538	ug/l #	45
17) Carbon Disulfide	2.520	76	1378	0.367	ug/l #	75
18) Methyl Acetate	2.690	43	481	0.425	ug/l #	54
30) Chloroform	5.086	83	605	0.236	ug/l	85
31) Cyclohexane	5.537	56	2482	1.245	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	9083	4.246	ug/l #	48
38) Carbon Tetrachloride	5.537	117	11504	4.685	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	60892	33.492	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	60892	82.008	ug/l #	10
89) n-Butylbenzene	12.317	91	2431	0.369	ug/l	92
93) 1,2,4-Trichlorobenzene	13.572	180	1126	0.521	ug/l	92
94) Hexachlorobutadiene	13.700	225	1173	1.407	ug/l	97
95) Naphthalene	13.761	128	2664	0.468	ug/l #	86
96) 1,2,3-Trichlorobenzene	13.944	180	1101	0.552	ug/l	97

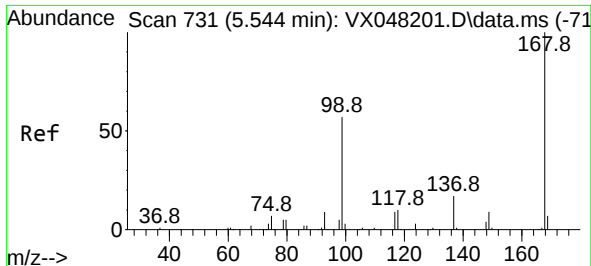
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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MSVOA_X
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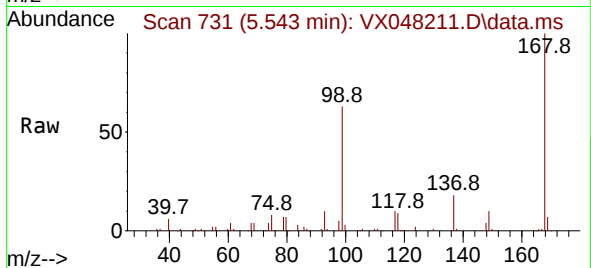
Quant Time: Oct 18 00:18:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration



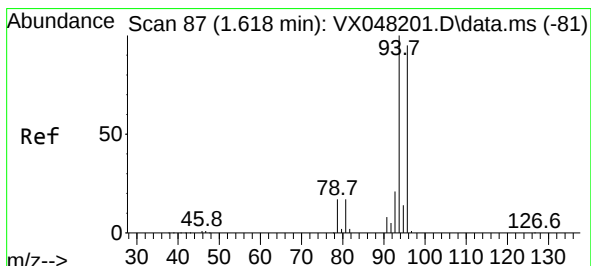
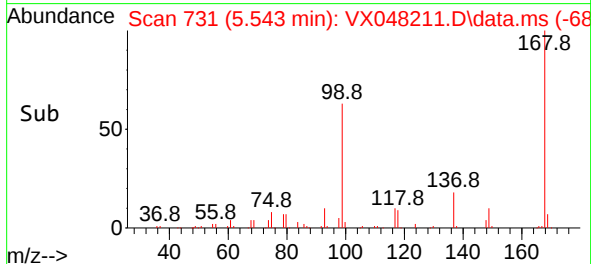
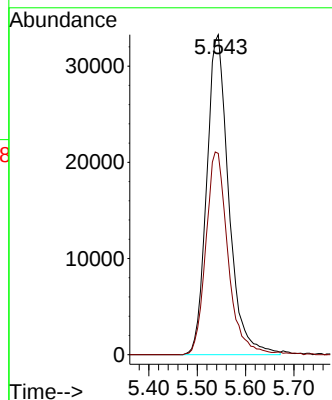


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :

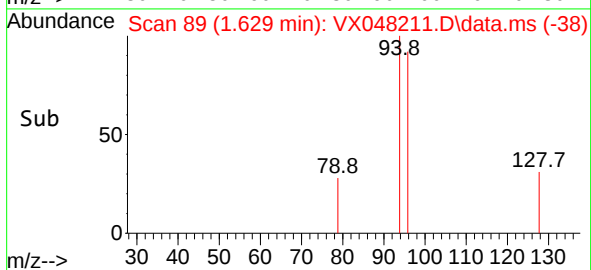
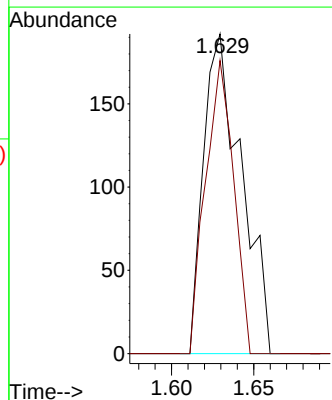
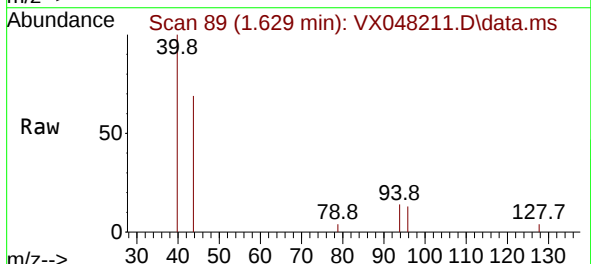


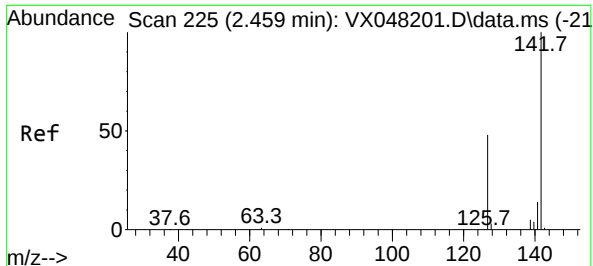
Tgt Ion:168 Resp: 105188
Ion Ratio Lower Upper
168 100
99 62.9 46.4 69.6



#5
Bromomethane
Concen: 0.327 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

Tgt Ion: 94 Resp: 306
Ion Ratio Lower Upper
94 100
96 91.7 76.0 114.0





#10

Methyl Iodide

Concen: 0.416 ug/l

RT: 2.471 min Scan# 21

Delta R.T. 0.012 min

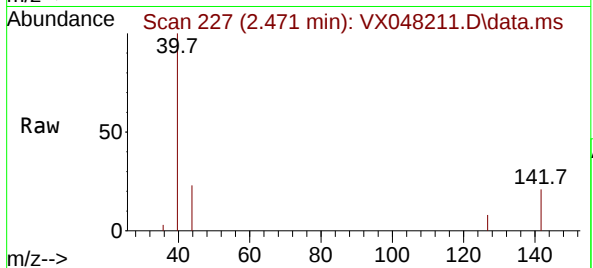
Lab File: VX048211.D

Acq: 17 Oct 2025 14:51

Instrument :

MSVOA_X

ClientSampleId :



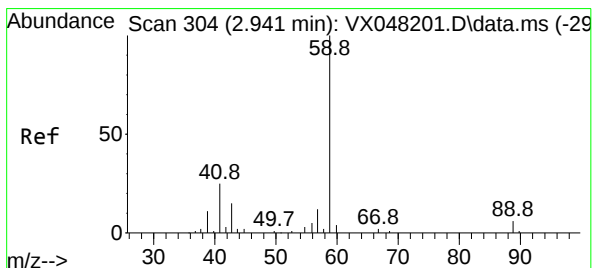
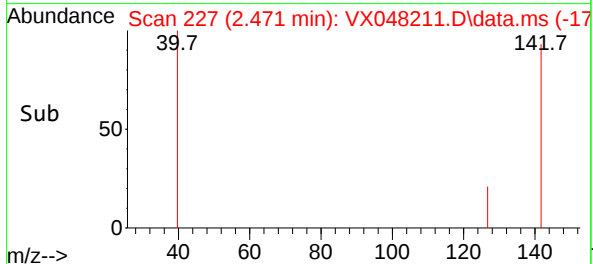
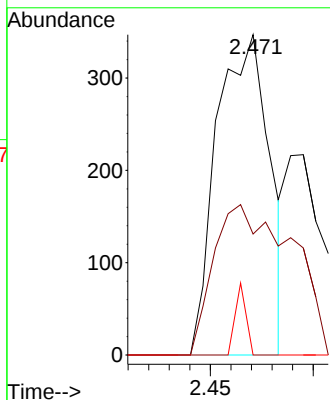
Tgt Ion:142 Resp: 621

Ion Ratio Lower Upper

142 100

127 69.7 38.5 57.7#

141 4.7 11.6 17.4#



#11

Tert butyl alcohol

Concen: 0.250 ug/l

RT: 2.934 min Scan# 303

Delta R.T. -0.006 min

Lab File: VX048211.D

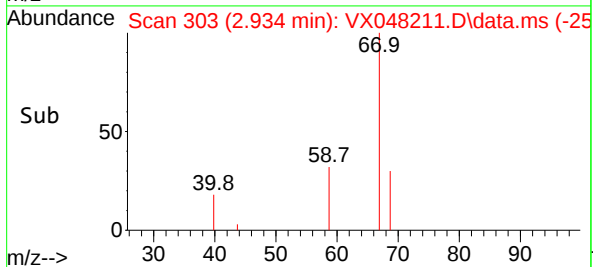
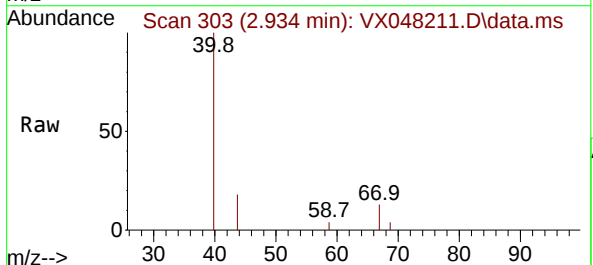
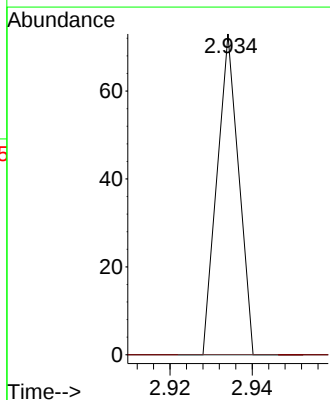
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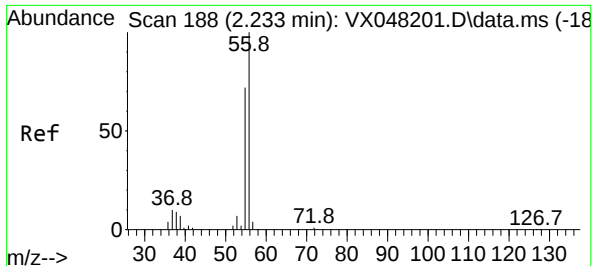
Tgt Ion: 59 Resp: 27

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

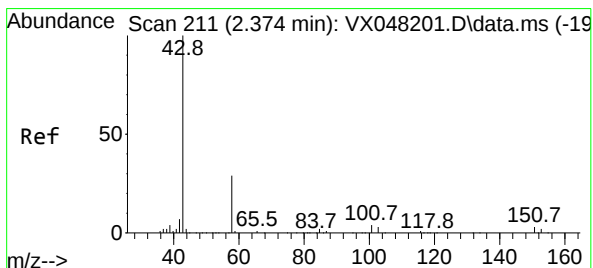
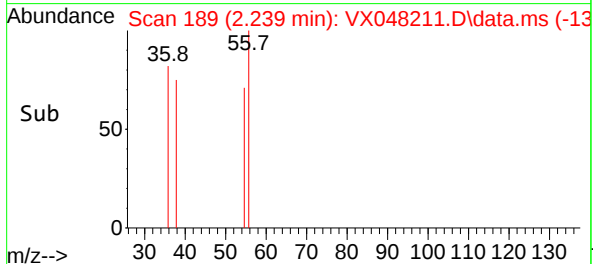
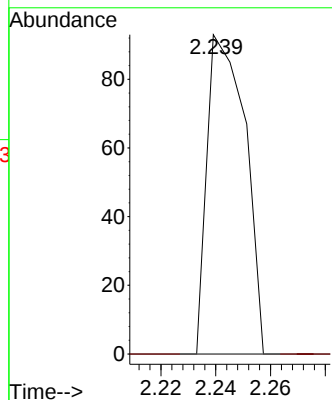
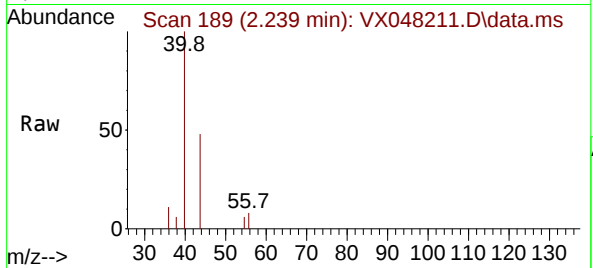




#13
Acrolein
Concen: 0.396 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

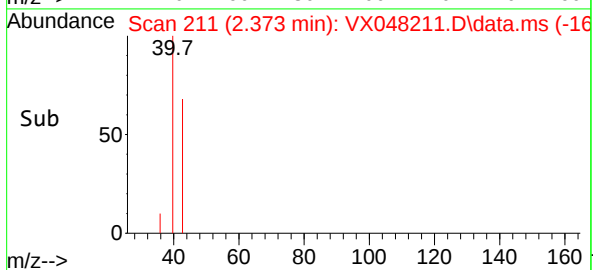
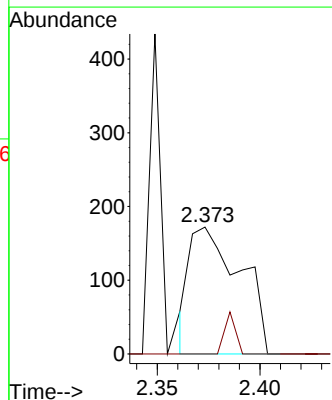
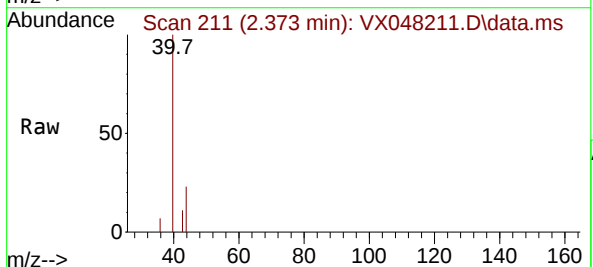
Instrument :
MSVOA_X
ClientSampleId :

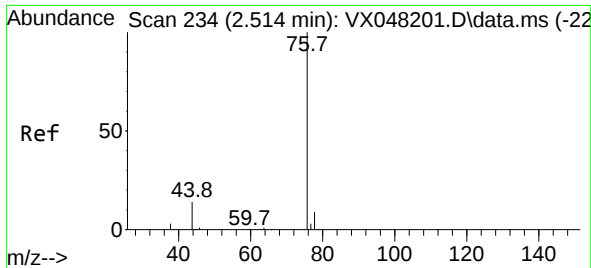
Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#



#16
Acetone
Concen: 0.538 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

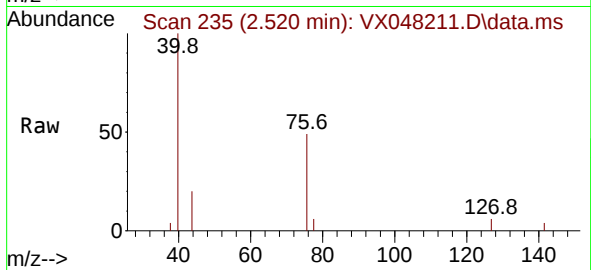
Tgt Ion: 43 Resp: 299
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.2#



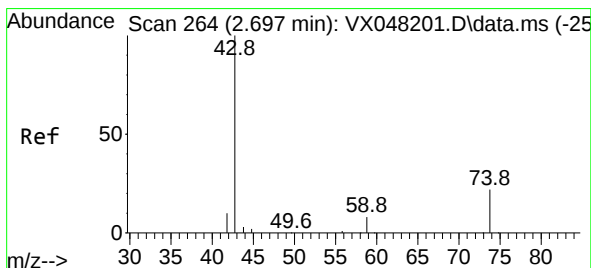
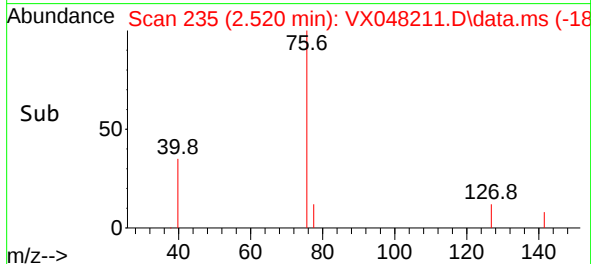
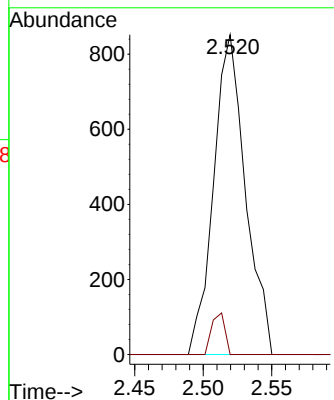


#17
Carbon Disulfide
Concen: 0.367 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :

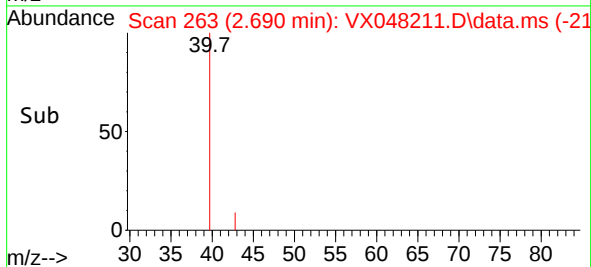
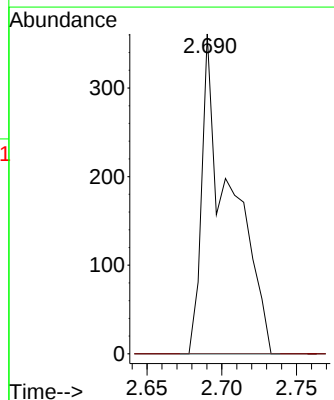
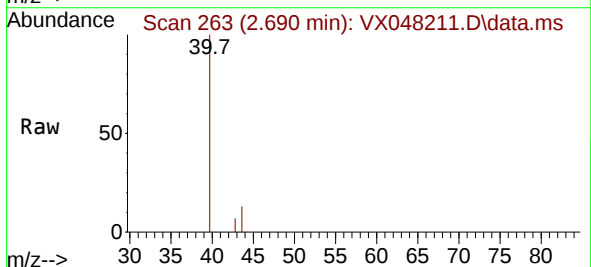


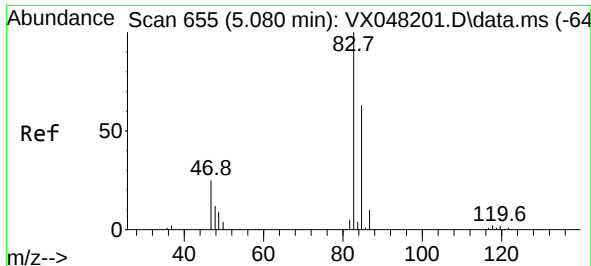
Tgt Ion: 76 Resp: 1378
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 0.425 ug/l
RT: 2.690 min Scan# 263
Delta R.T. -0.006 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

Tgt Ion: 43 Resp: 481
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

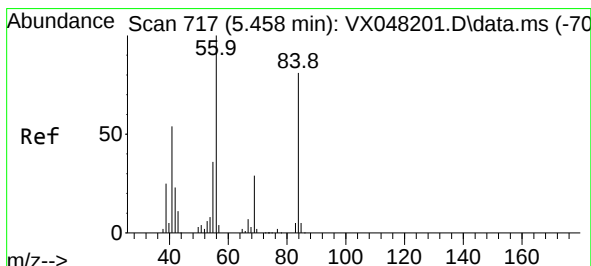
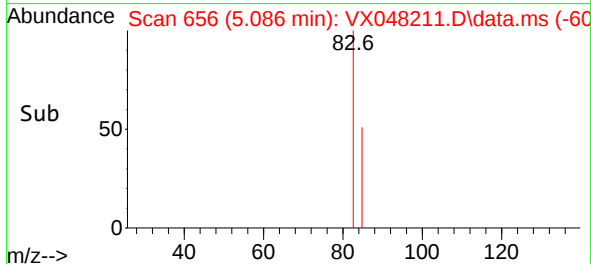
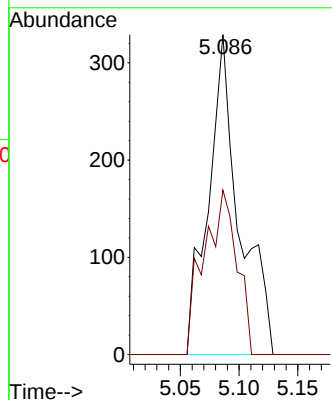
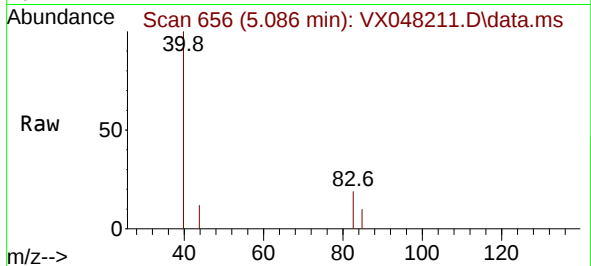




#30
Chloroform
Concen: 0.236 ug/l
RT: 5.086 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

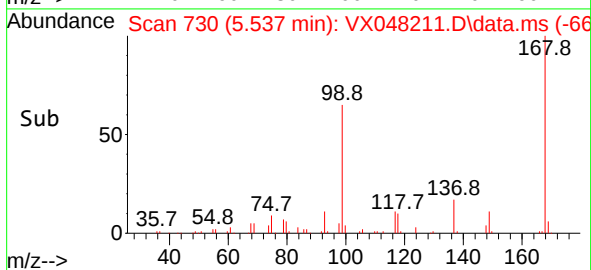
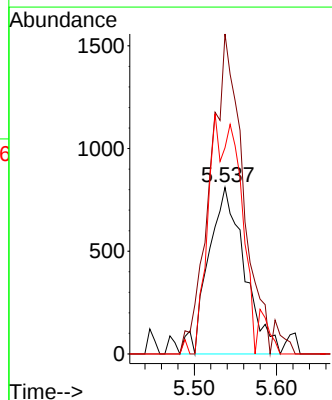
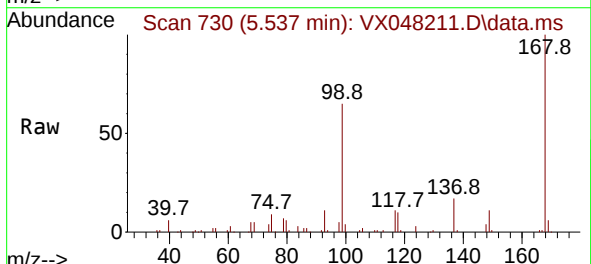
Instrument :
MSVOA_X
ClientSampleId :

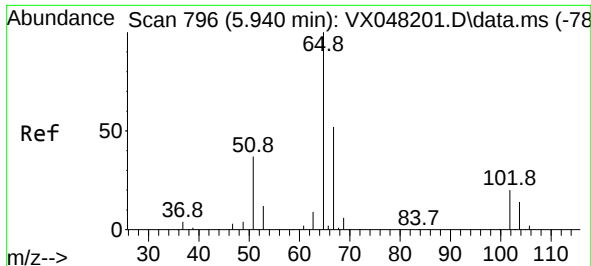
Tgt Ion: 83 Resp: 605
Ion Ratio Lower Upper
83 100
85 51.4 50.1 75.1



#31
Cyclohexane
Concen: 1.245 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

Tgt Ion: 56 Resp: 2482
Ion Ratio Lower Upper
56 100
69 192.1 23.0 34.6#
84 123.8 64.6 97.0#

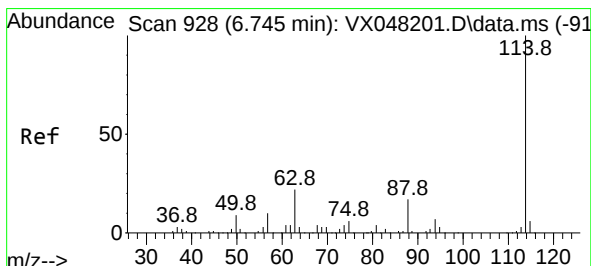
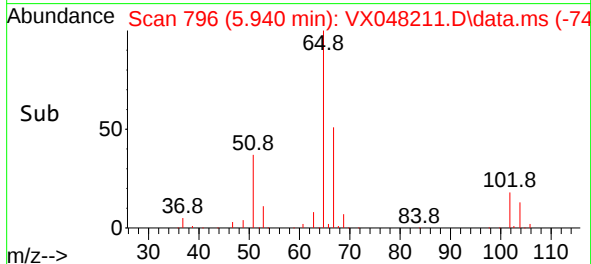
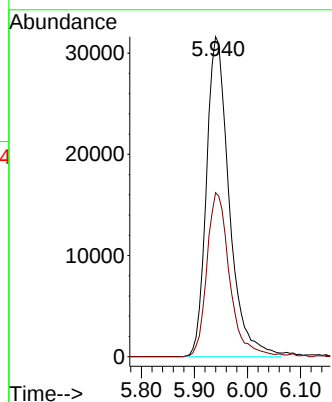
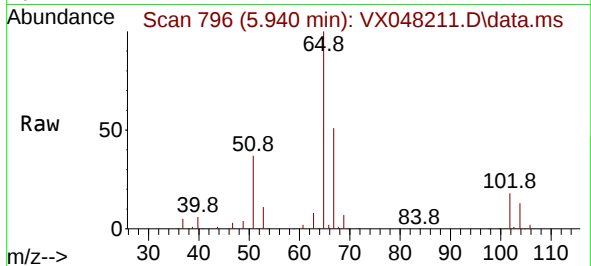




#33
 1,2-Dichloroethane-d4
 Concen: 57.940 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048211.D
 Acq: 17 Oct 2025 14:51

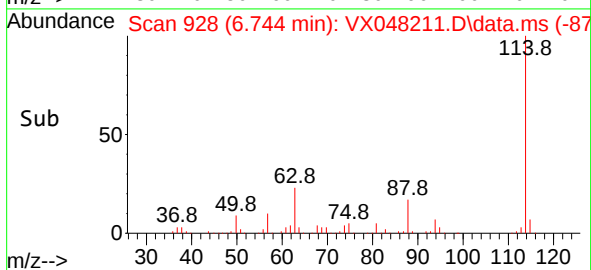
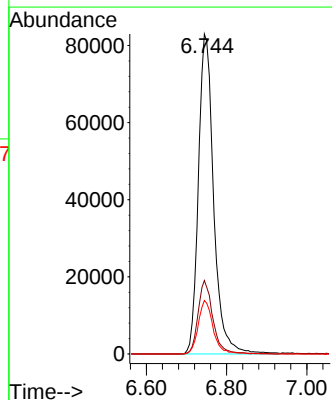
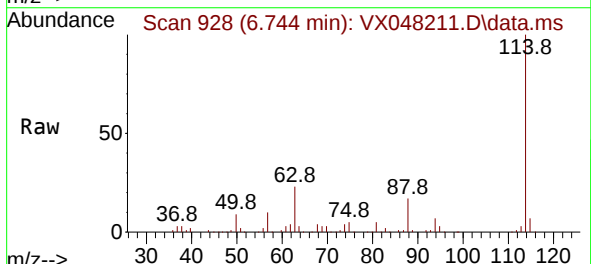
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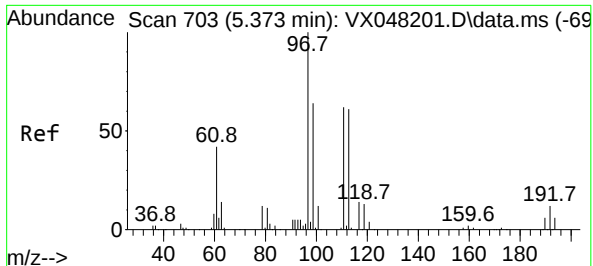
Tgt Ion: 65 Resp: 94418
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.744 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048211.D
 Acq: 17 Oct 2025 14:51

Tgt Ion: 114 Resp: 218796
 Ion Ratio Lower Upper
 114 100
 63 26.4 0.0 43.2
 88 16.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.393 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

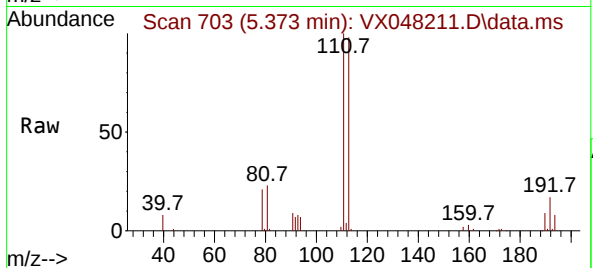
Lab File: VX048211.D

Acq: 17 Oct 2025 14:51

Instrument :

MSVOA_X

ClientSampleId :



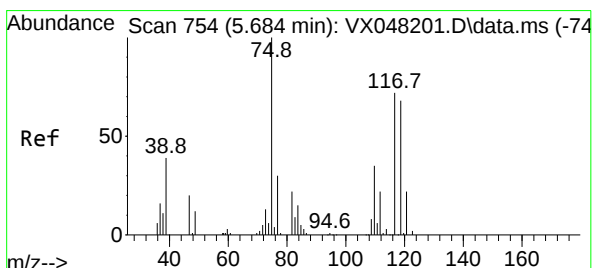
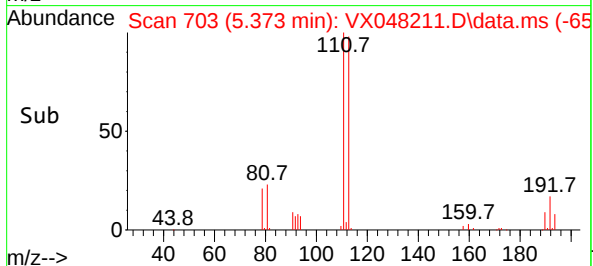
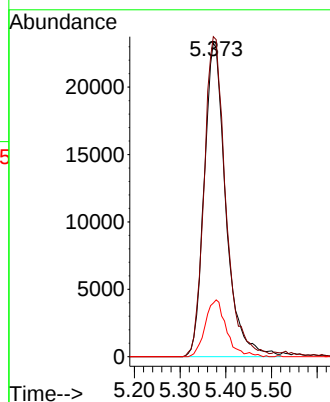
Tgt Ion:113 Resp: 76522

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 17.8 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.246 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.147 min

Lab File: VX048211.D

Acq: 17 Oct 2025 14:51

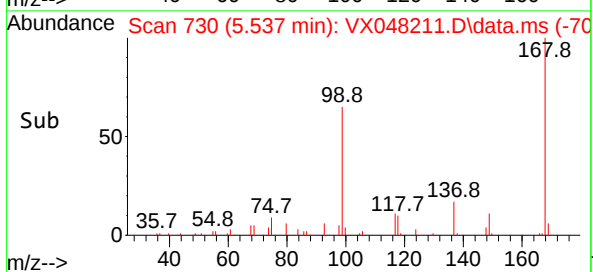
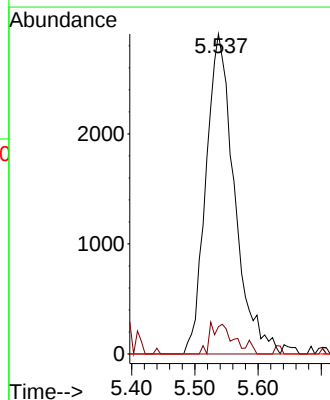
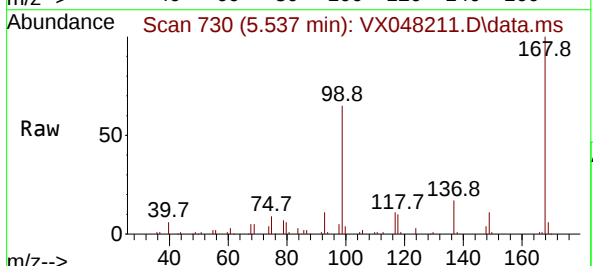
Tgt Ion: 75 Resp: 9083

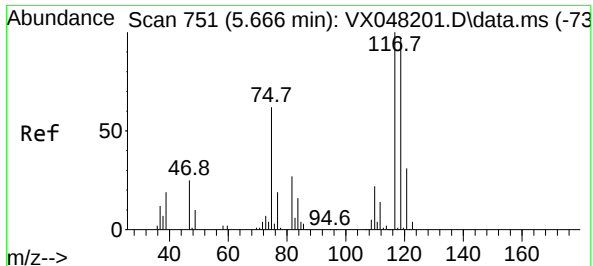
Ion Ratio Lower Upper

75 100

110 7.2 17.7 53.1#

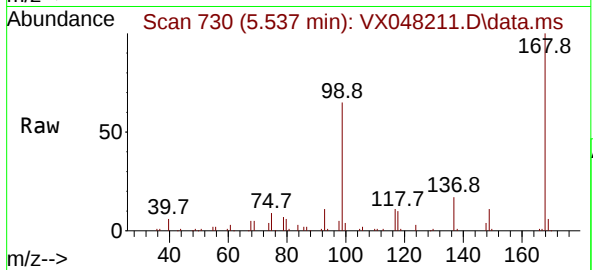
77 0.0 24.3 36.5#



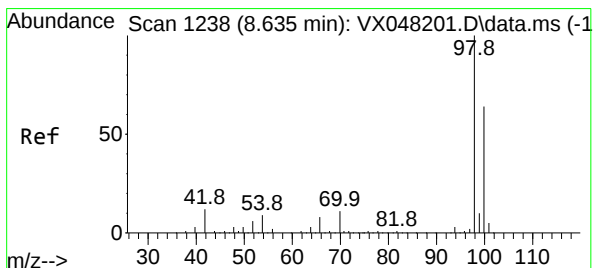
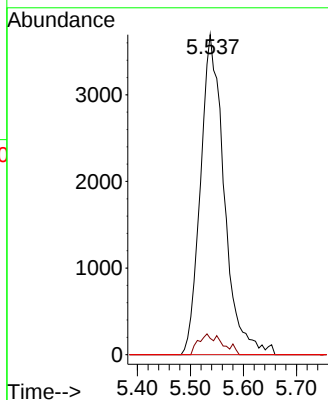
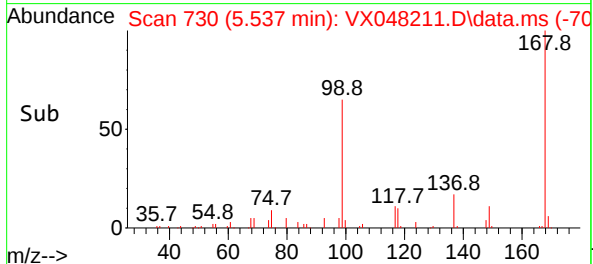


#38
Carbon Tetrachloride
Concen: 4.685 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :

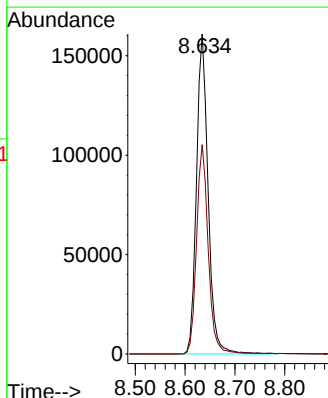
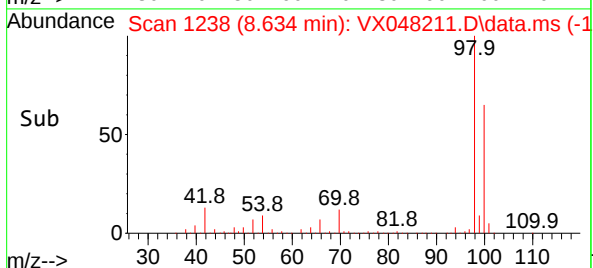
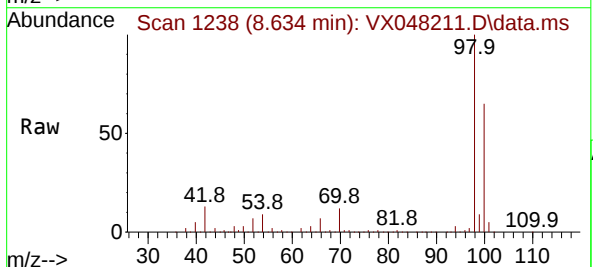


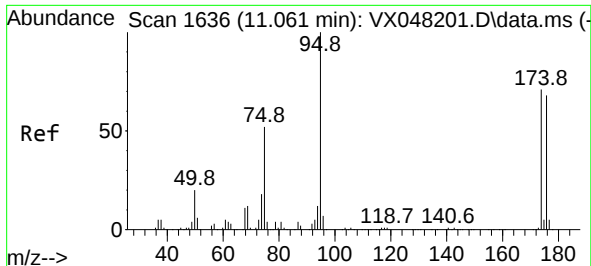
Tgt Ion:117 Resp: 11504
Ion Ratio Lower Upper
117 100
119 5.1 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.626 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

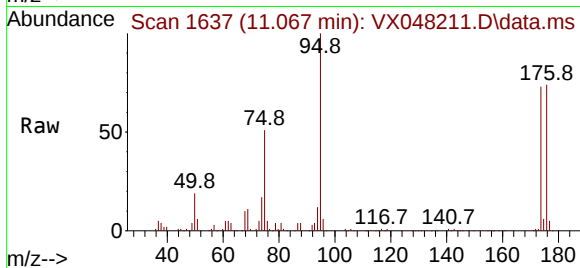
Tgt Ion: 98 Resp: 260539
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



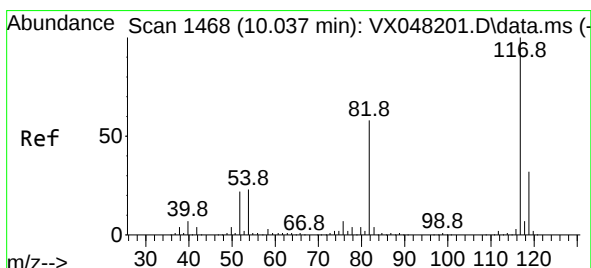
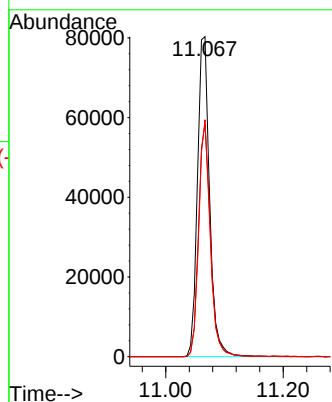
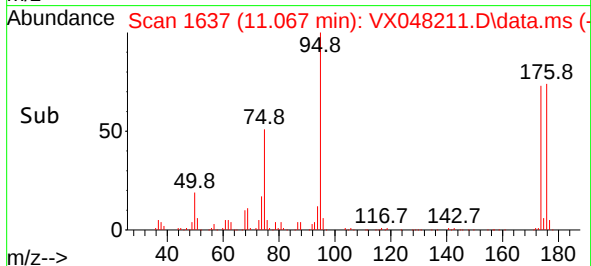


#62
4-Bromofluorobenzene
Concen: 57.928 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

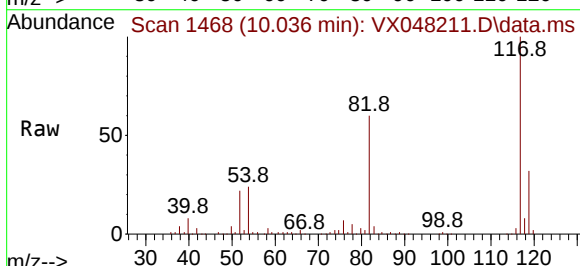
Instrument :
MSVOA_X
ClientSampleId :



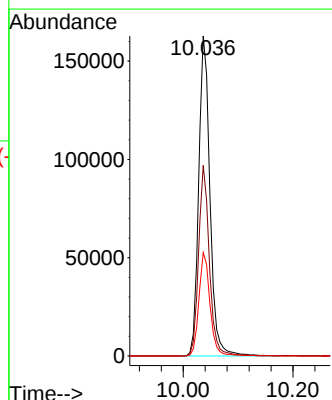
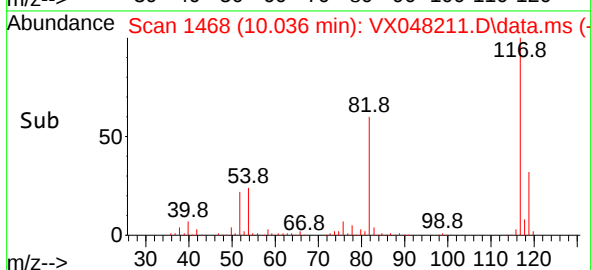
Tgt Ion: 95 Resp: 115421
Ion Ratio Lower Upper
95 100
174 71.5 0.0 147.8
176 69.4 0.0 142.8

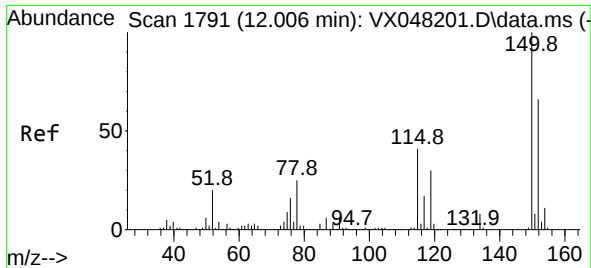


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51



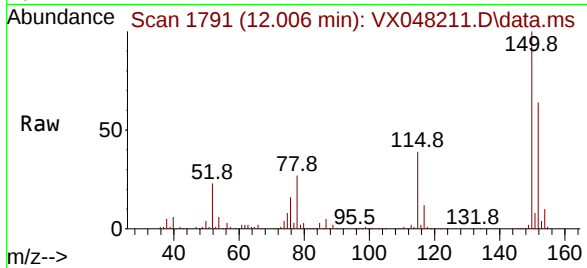
Tgt Ion: 117 Resp: 233169
Ion Ratio Lower Upper
117 100
82 59.6 46.5 69.7
119 32.3 25.9 38.9



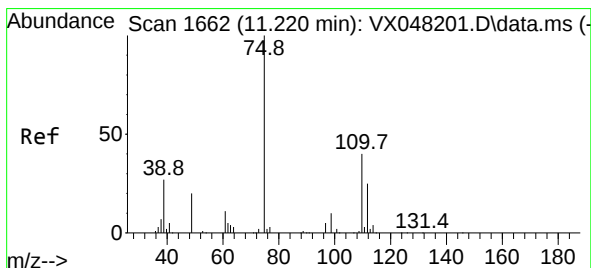
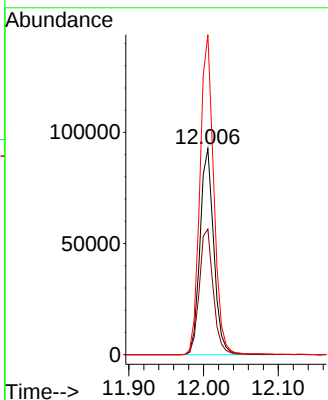
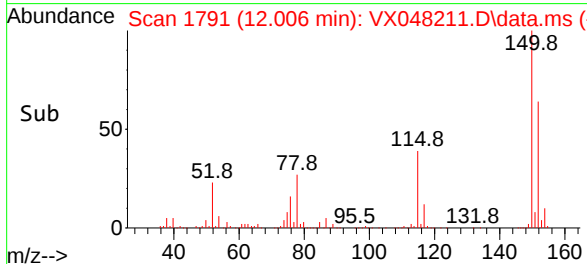


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048211.D
 Acq: 17 Oct 2025 14:51

Instrument :
 MSVOA_X
 ClientSampleId :

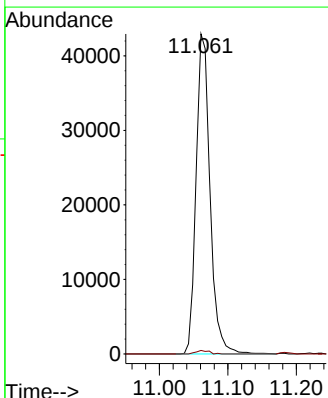
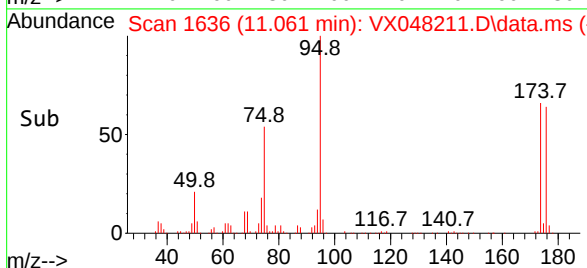
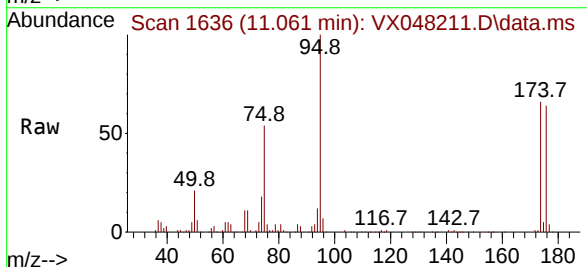


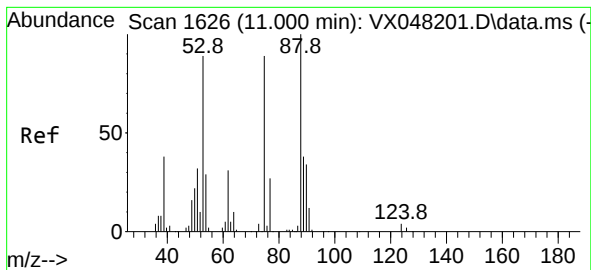
Tgt Ion:152 Resp: 119063
 Ion Ratio Lower Upper
 152 100
 115 61.6 43.1 129.4
 150 154.8 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 33.492 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048211.D
 Acq: 17 Oct 2025 14:51

Tgt Ion: 75 Resp: 60892
 Ion Ratio Lower Upper
 75 100
 77 1.0 22.4 67.2#

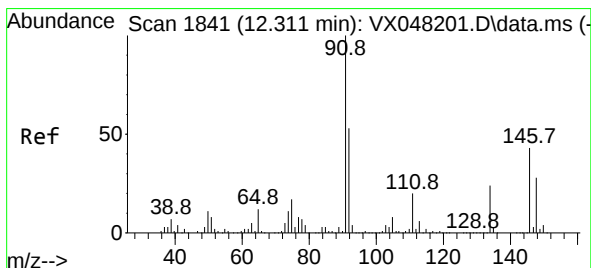
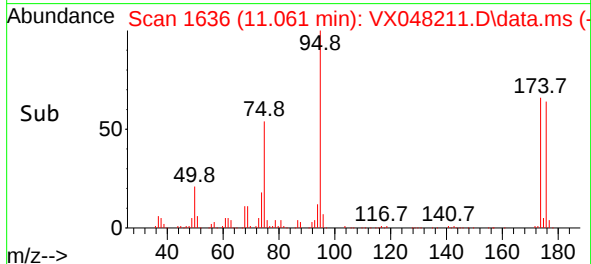
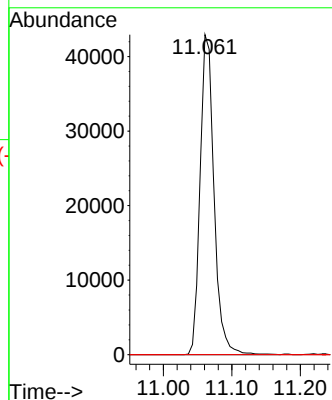
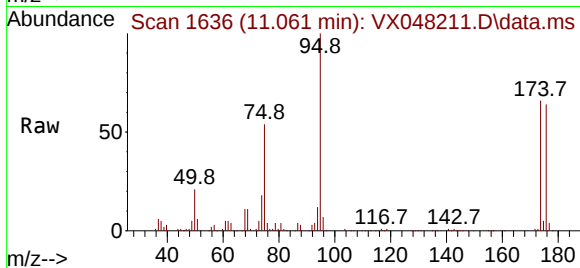




#81
trans-1,4-Dichloro-2-butene
Concen: 82.008 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

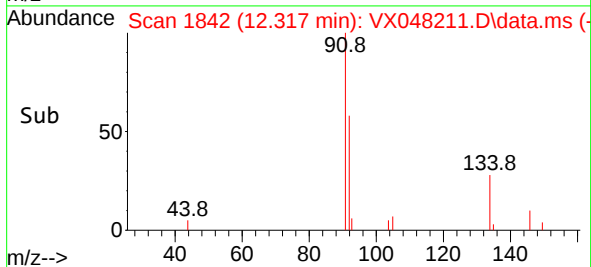
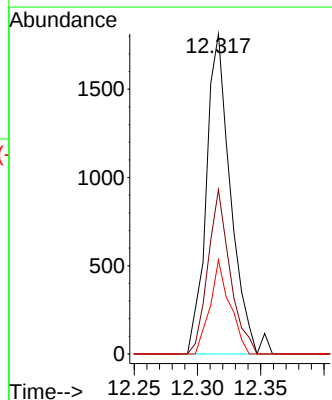
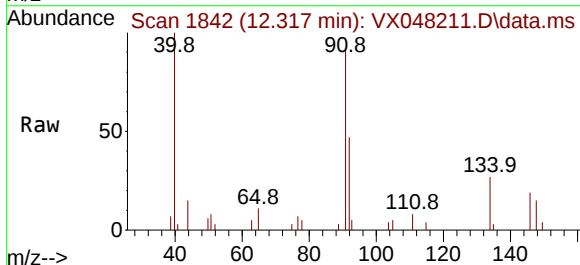
Instrument :
MSVOA_X
ClientSampleId :

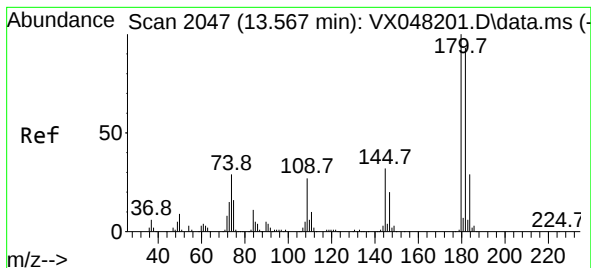
Tgt Ion: 75 Resp: 60892
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#89
n-Butylbenzene
Concen: 0.369 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

Tgt Ion: 91 Resp: 2431
Ion Ratio Lower Upper
91 100
92 46.6 26.9 80.6
134 23.9 12.7 38.1





#93

1,2,4-Trichlorobenzene

Concen: 0.521 ug/l

RT: 13.572 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048211.D

Acq: 17 Oct 2025 14:51

Instrument :

MSVOA_X

ClientSampleId :

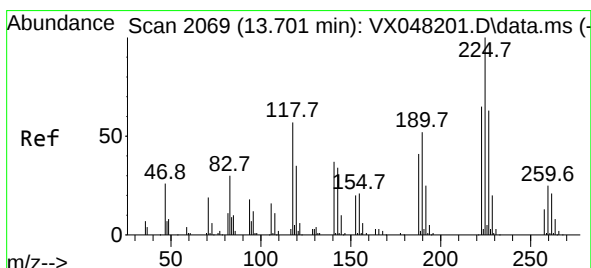
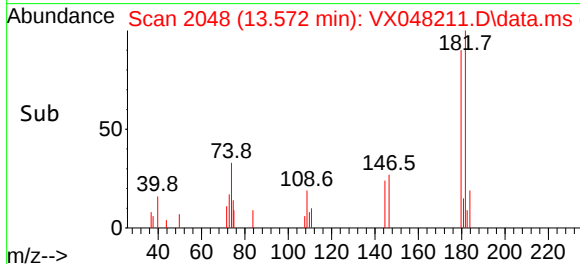
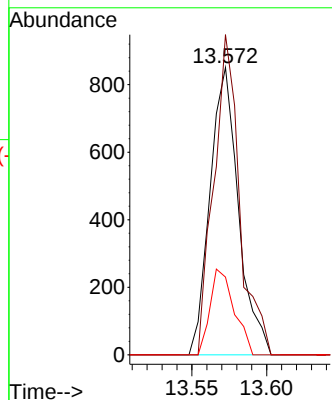
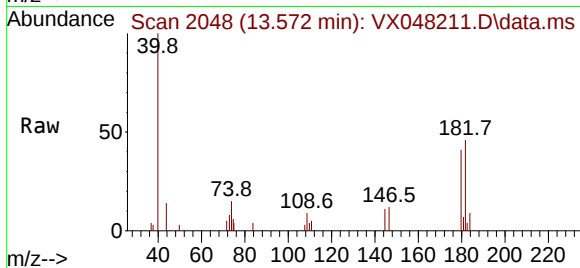
Tgt Ion:180 Resp: 1126

Ion Ratio Lower Upper

180 100

182 100.6 47.3 142.0

145 25.3 16.3 48.9



#94

Hexachlorobutadiene

Concen: 1.407 ug/l

RT: 13.700 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VX048211.D

Acq: 17 Oct 2025 14:51

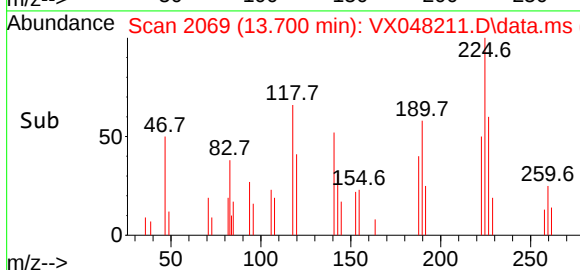
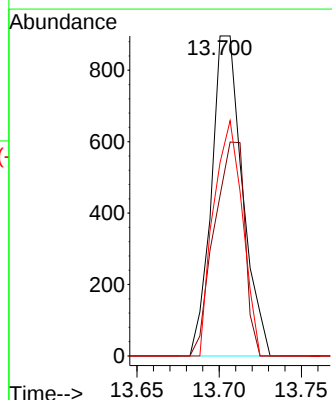
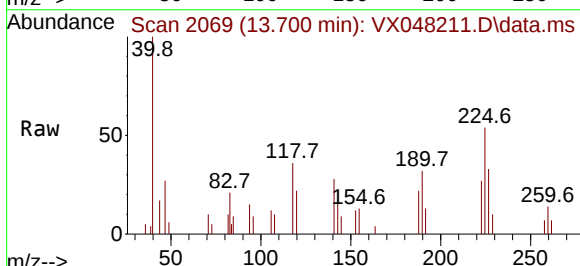
Tgt Ion:225 Resp: 1173

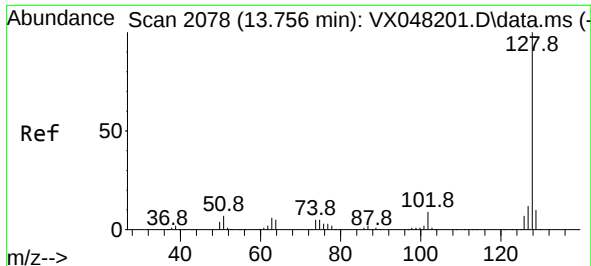
Ion Ratio Lower Upper

225 100

223 65.8 32.6 97.7

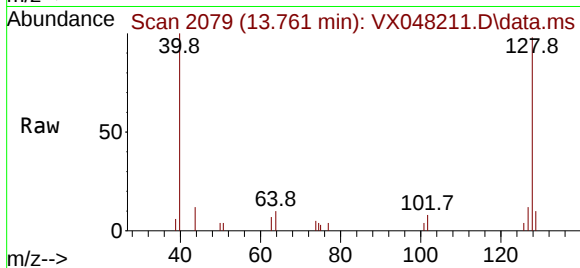
227 68.5 32.5 97.4



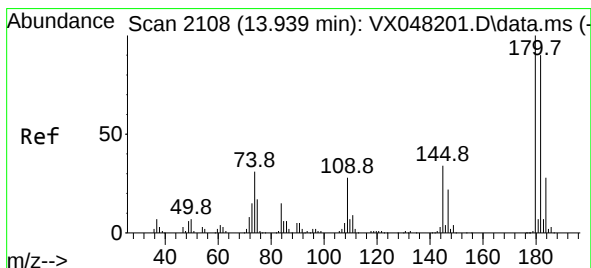
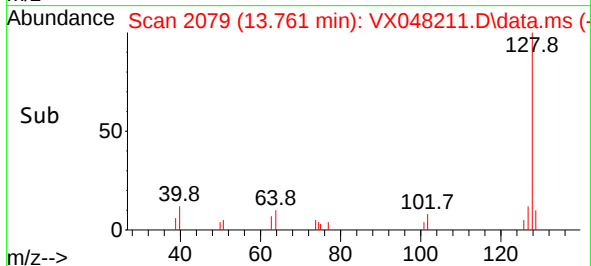
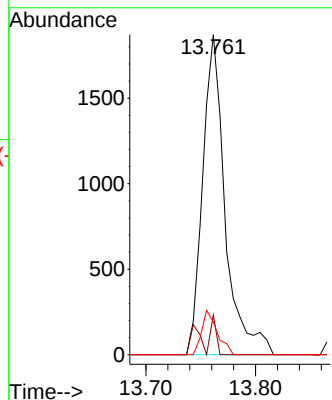


#95
Naphthalene
Concen: 0.468 ug/l
RT: 13.761 min Scan# 2078
Delta R.T. 0.006 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 2664
Ion Ratio Lower Upper
128 100
127 4.0 10.2 15.4#
129 9.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.552 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048211.D
Acq: 17 Oct 2025 14:51

Tgt Ion:180 Resp: 1101
Ion Ratio Lower Upper
180 100
182 92.3 46.6 139.7
145 28.3 16.9 50.7

