

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048239.D
 Acq On : 20 Oct 2025 15:23
 Operator : JC/MD
 Sample : VX1020WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1020WBL01

Quant Time: Oct 25 03:39:25 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)

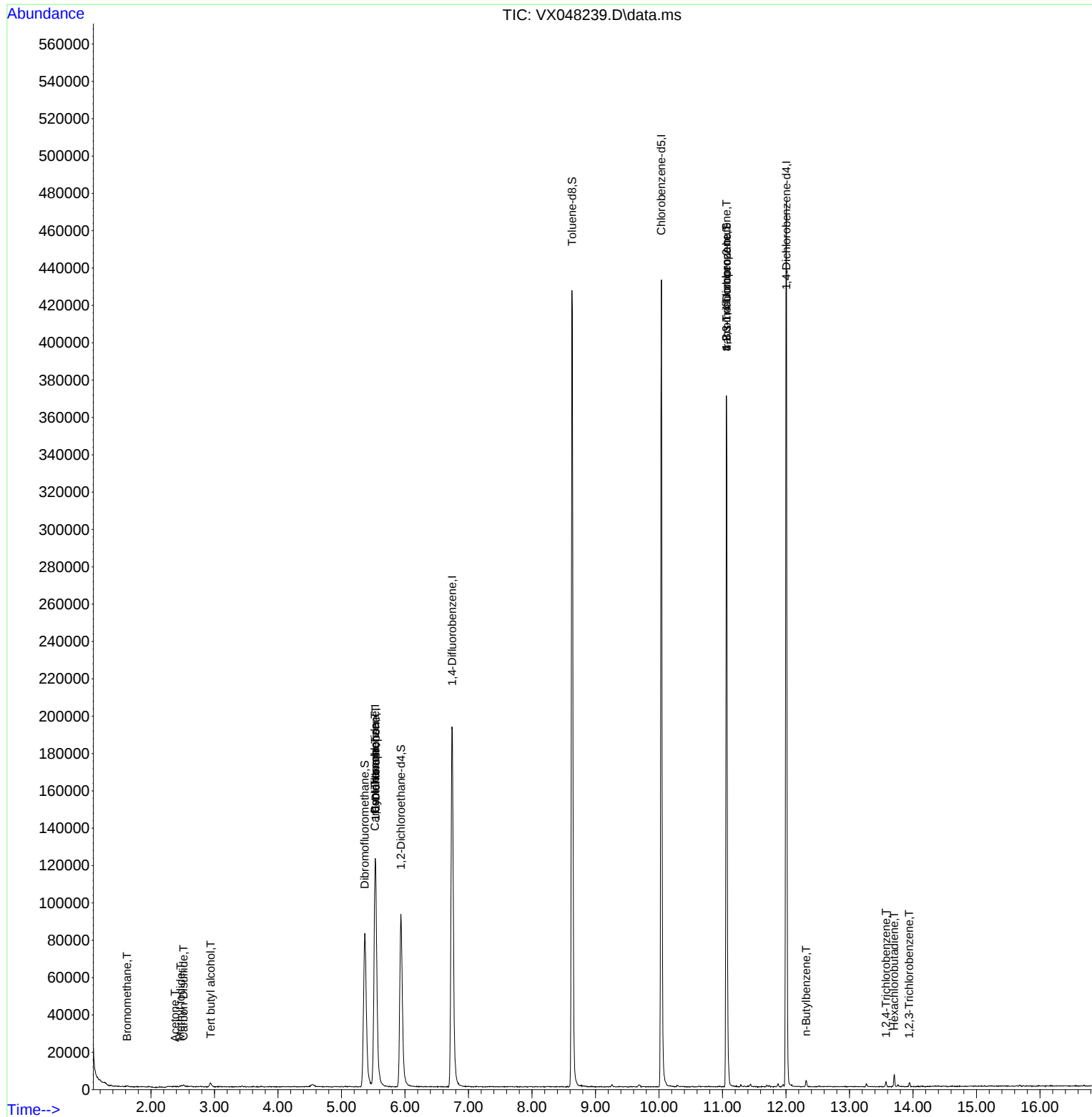
Internal Standards						
1) Pentafluorobenzene	5.532	168	127705	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	221220	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	203730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	101917	56.921	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.840%
35) Dibromofluoromethane	5.367	113	80059	53.010	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.020%
50) Toluene-d8	8.629	98	271212	51.234	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.460%
62) 4-Bromofluorobenzene	11.061	95	104865	52.072	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.140%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	271	0.352	ug/l #	72
10) Methyl Iodide	2.465	142	820	0.473	ug/l #	90
11) Tert butyl alcohol	2.941	59	1107	6.227	ug/l #	72
16) Acetone	2.380	43	278	0.453	ug/l #	45
17) Carbon Disulfide	2.514	76	1416	0.335	ug/l #	95
31) Cyclohexane	5.532	56	2438	1.097	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	9953	4.637	ug/l #	50
38) Carbon Tetrachloride	5.526	117	13601	5.136	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	53967	31.241	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	53967	76.008	ug/l #	10
89) n-Butylbenzene	12.317	91	1510	0.241	ug/l	91
93) 1,2,4-Trichlorobenzene	13.573	180	831	0.356	ug/l	95
94) Hexachlorobutadiene	13.701	225	1113	1.337	ug/l	84
96) 1,2,3-Trichlorobenzene	13.939	180	654	0.305	ug/l	90

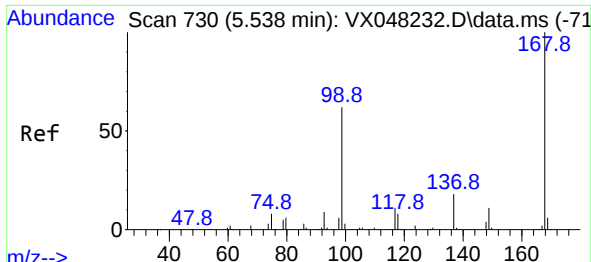
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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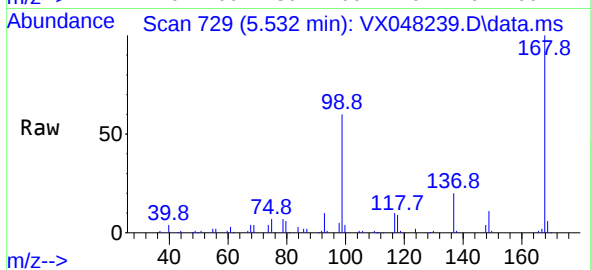
Quant Time: Oct 25 03:39:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration



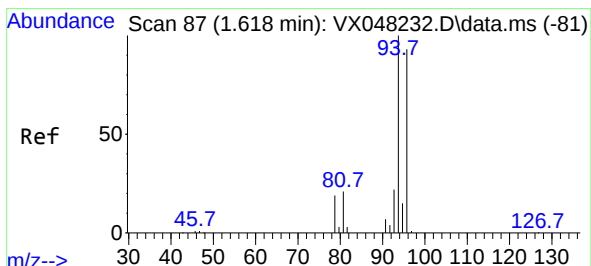
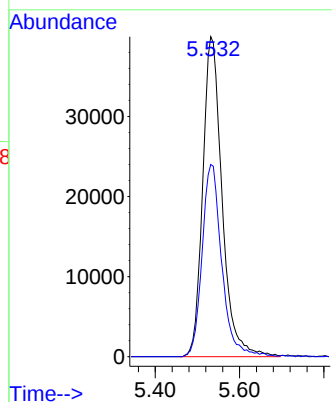
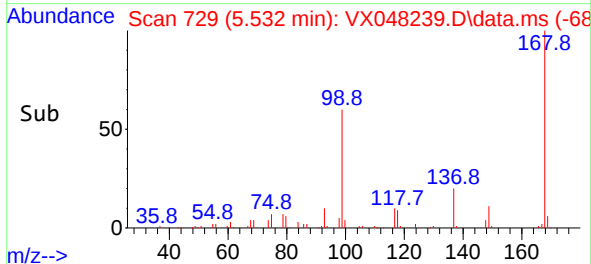


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 71
Delta R.T. -0.012 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

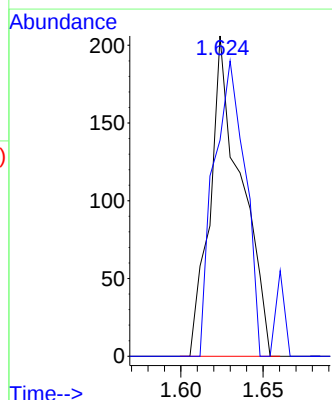
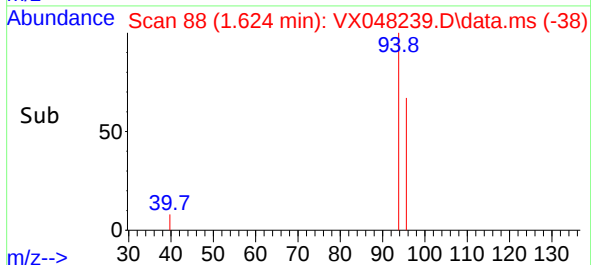
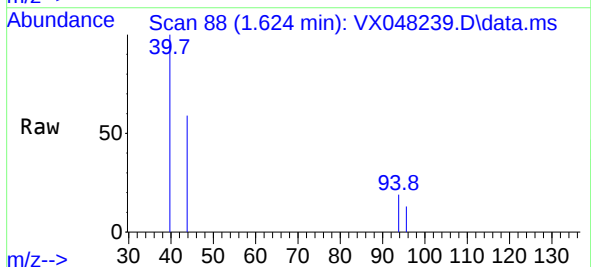


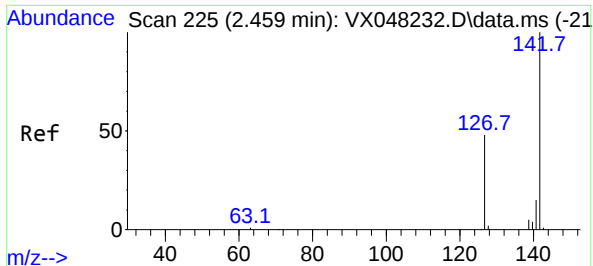
Tgt Ion:168 Resp: 127705
Ion Ratio Lower Upper
168 100
99 60.0 46.4 69.6



#5
Bromomethane
Concen: 0.352 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 94 Resp: 271
Ion Ratio Lower Upper
94 100
96 67.5 76.0 114.0#

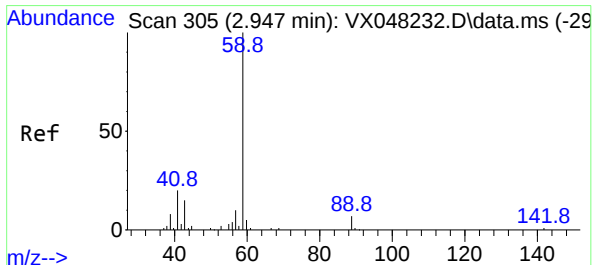
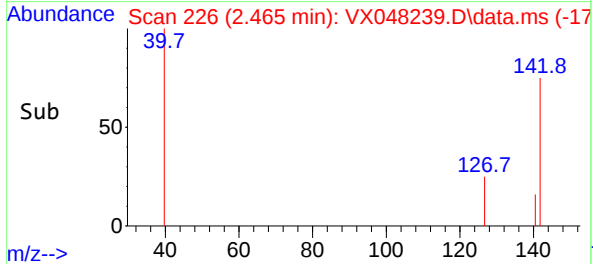
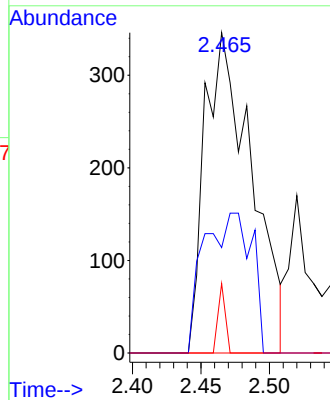
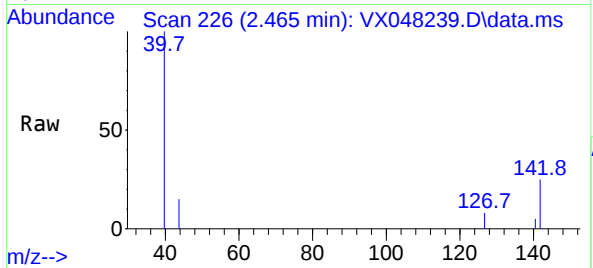




#10
Methyl Iodide
Concen: 0.473 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

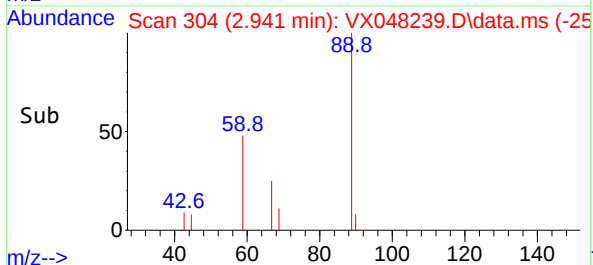
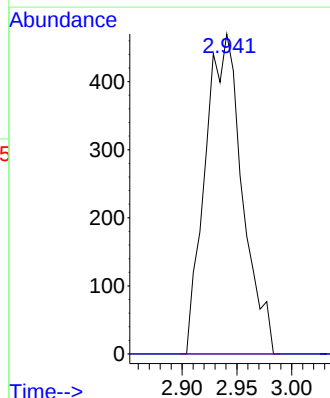
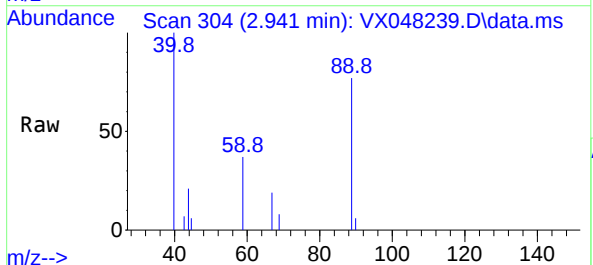
Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

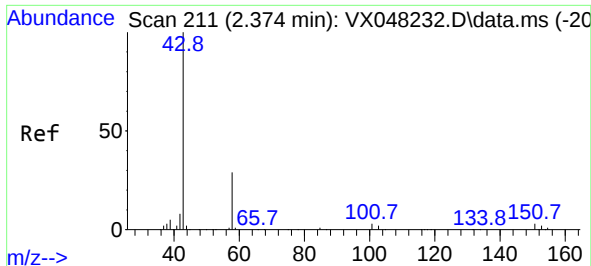
Tgt Ion:142 Resp: 820
Ion Ratio Lower Upper
142 100
127 45.0 38.5 57.7
141 3.3 11.6 17.4#



#11
Tert butyl alcohol
Concen: 6.227 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 59 Resp: 1107
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

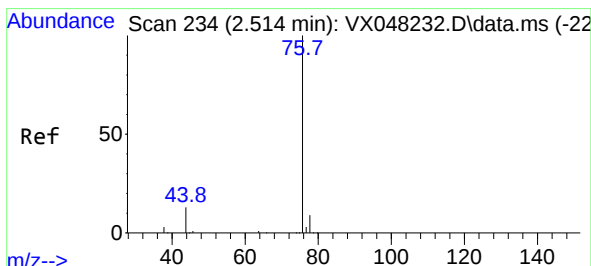
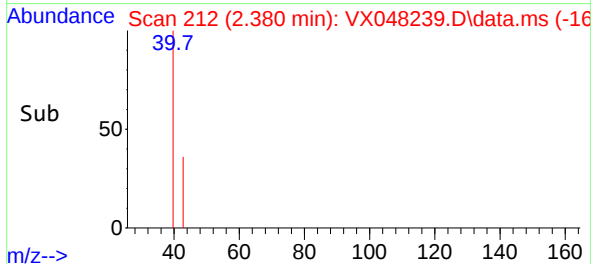
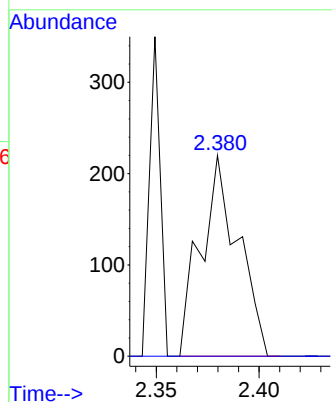
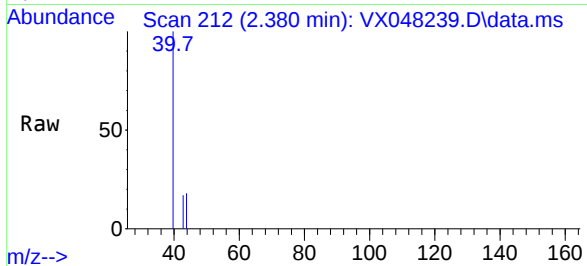




#16
Acetone
Concen: 0.453 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

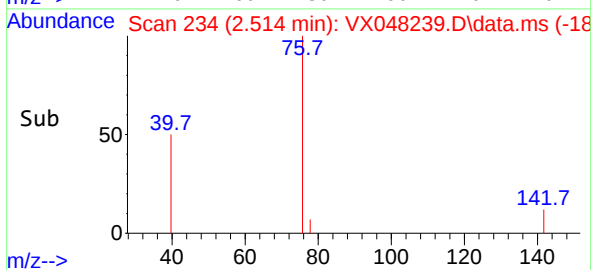
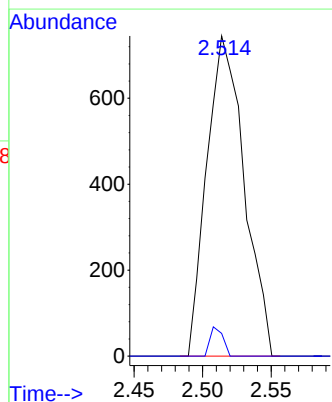
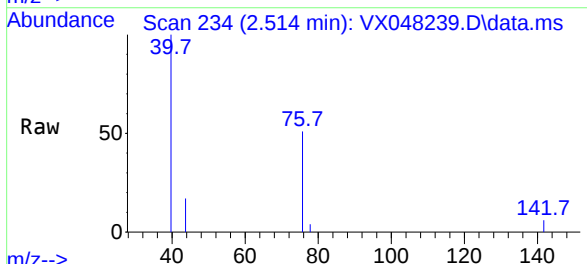
Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

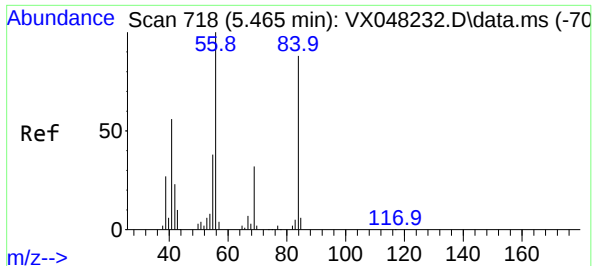
Tgt Ion: 43 Resp: 278
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.2#



#17
Carbon Disulfide
Concen: 0.335 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 76 Resp: 1416
Ion Ratio Lower Upper
76 100
78 7.1 7.1 10.7#

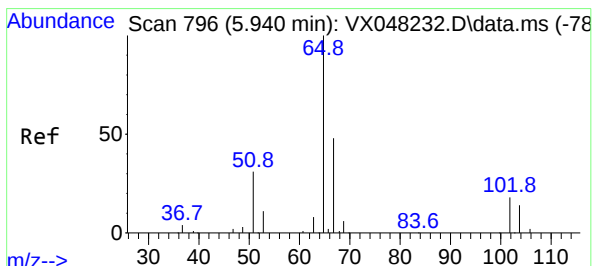
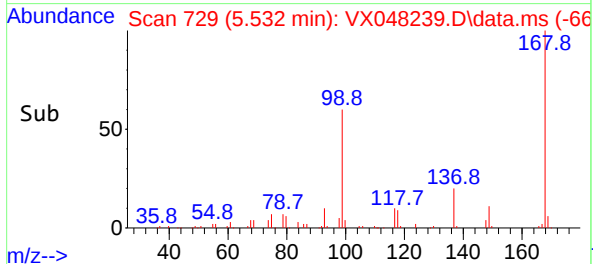
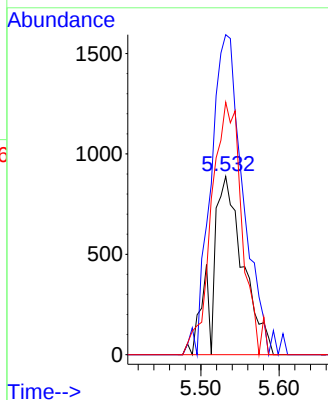
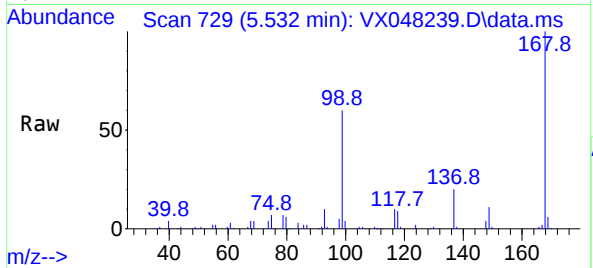




#31
Cyclohexane
Concen: 1.097 ug/l
RT: 5.532 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

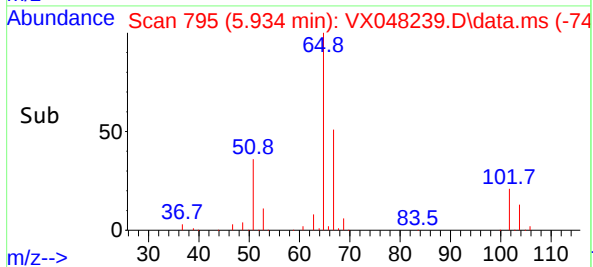
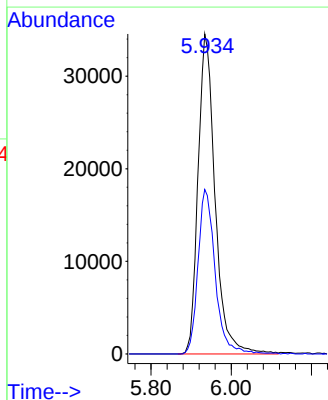
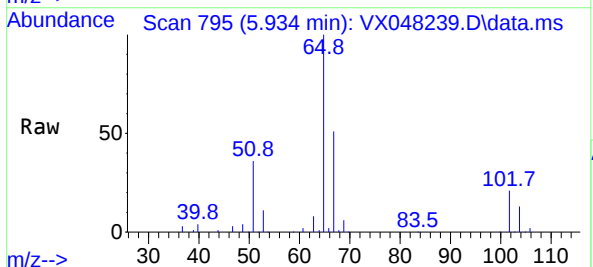
Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

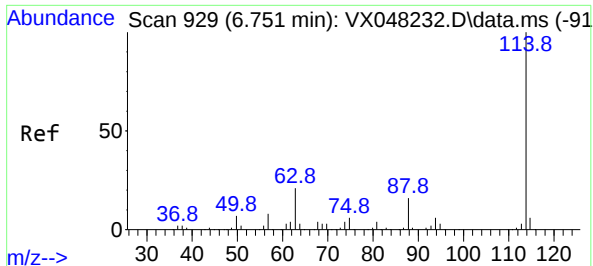
Tgt Ion: 56 Resp: 2438
Ion Ratio Lower Upper
56 100
69 179.5 23.0 34.6#
84 141.7 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 56.921 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 65 Resp: 101917
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.0

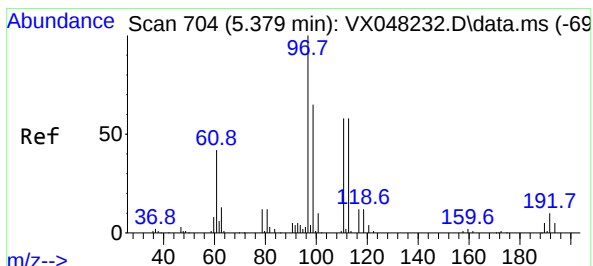
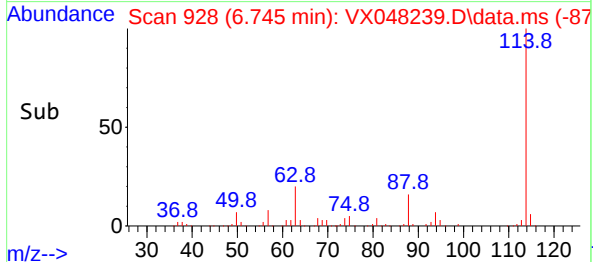
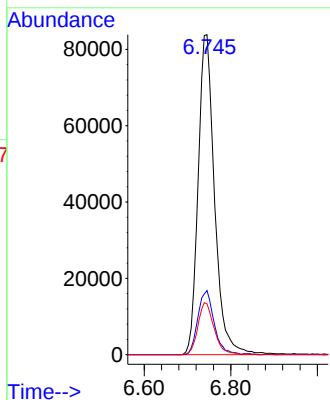
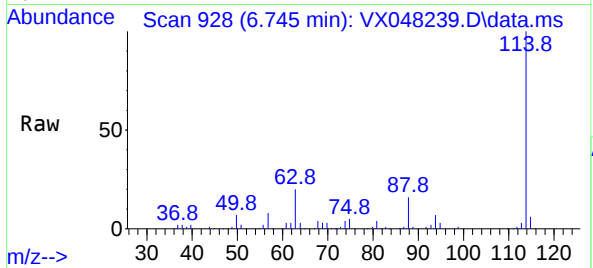




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

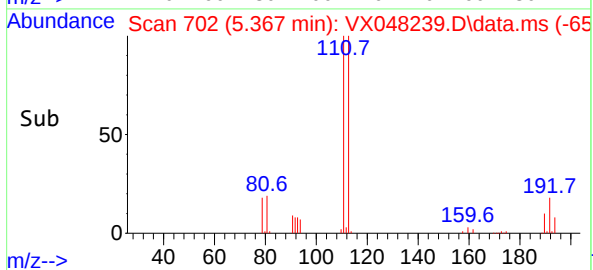
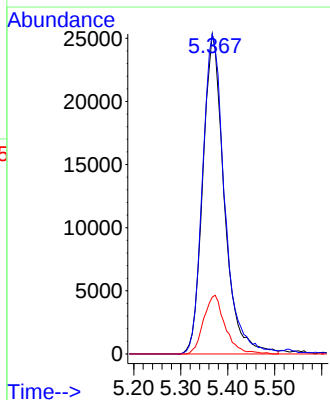
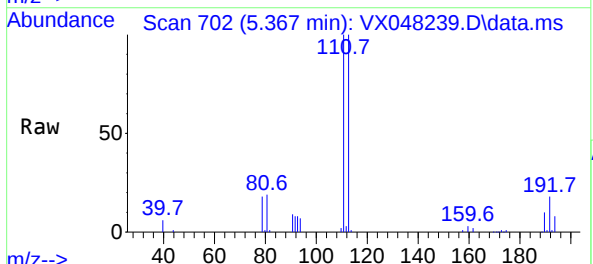
Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

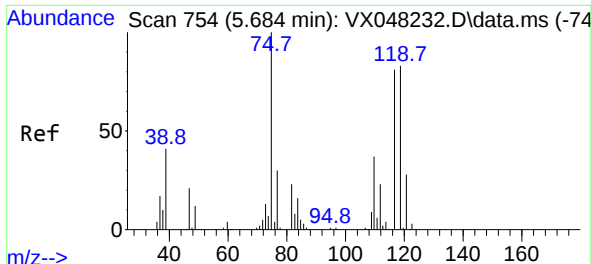
Tgt Ion:114 Resp: 221220
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.2
88 15.9 0.0 33.6



#35
Dibromofluoromethane
Concen: 53.010 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

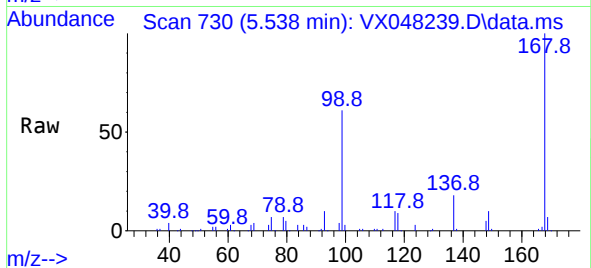
Tgt Ion:113 Resp: 80059
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 18.5 15.1 22.7



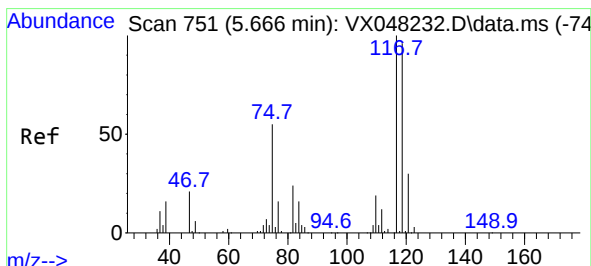
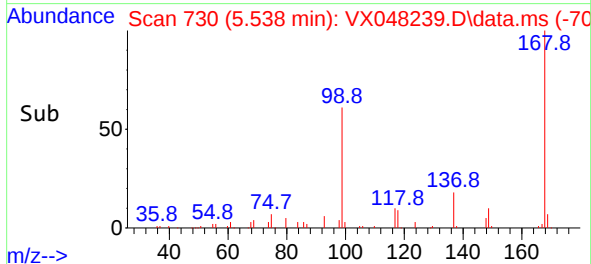
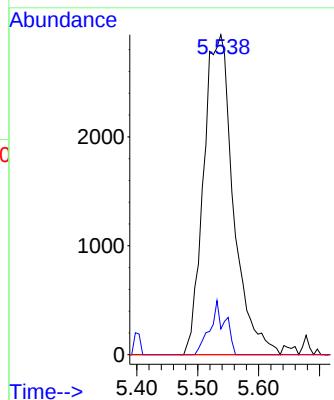


#36
1,1-Dichloropropene
Concen: 4.637 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

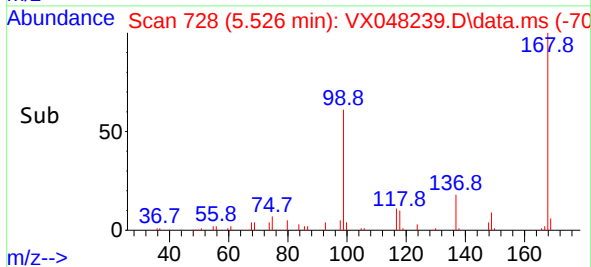
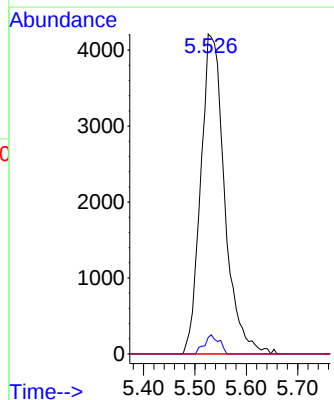
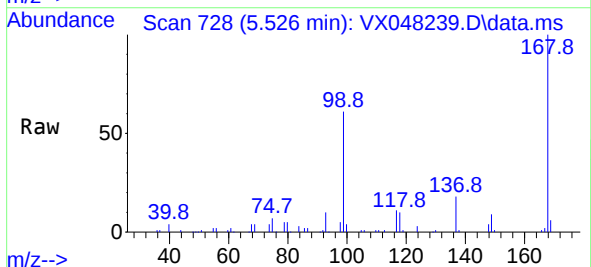


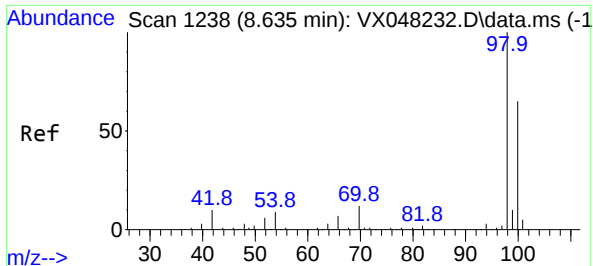
Tgt Ion: 75 Resp: 9953
Ion Ratio Lower Upper
75 100
110 8.8 17.7 53.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.136 ug/l
RT: 5.526 min Scan# 728
Delta R.T. -0.140 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 117 Resp: 13601
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 24.8 37.2#

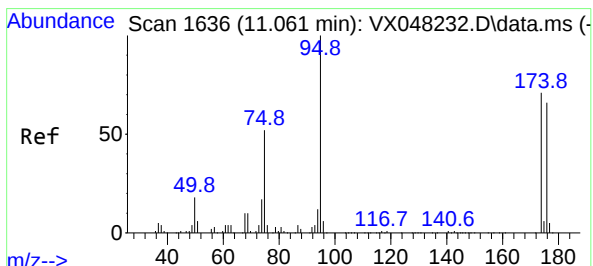
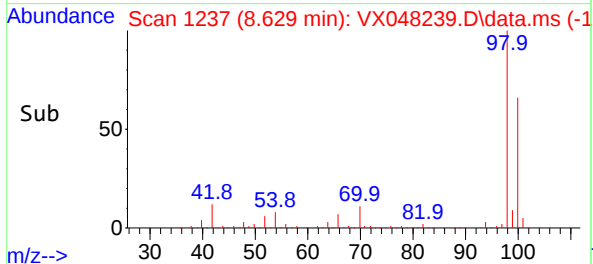
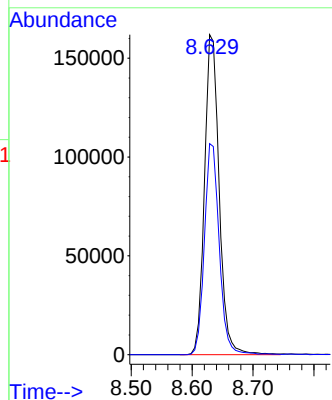
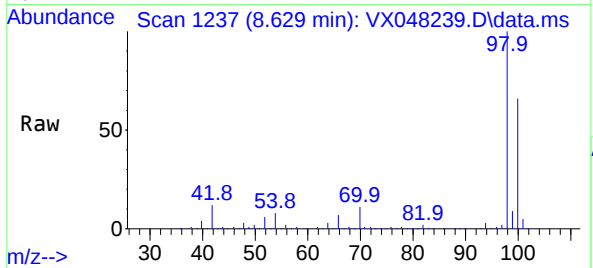




#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

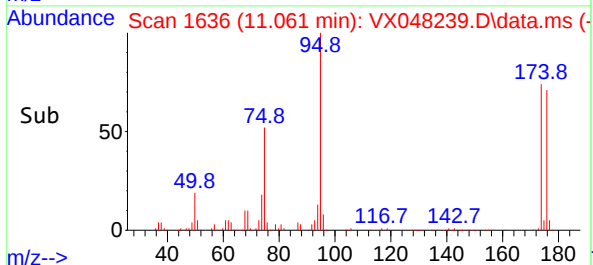
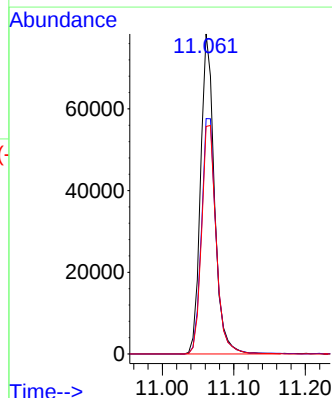
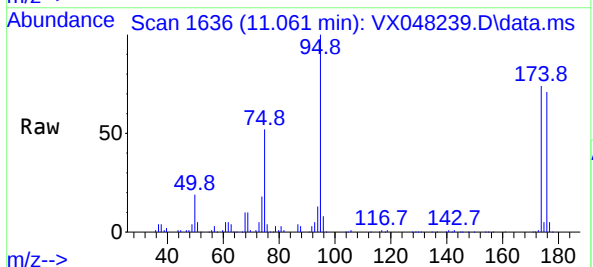
Instrument :
MSVOA_X
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VX1020WBL01

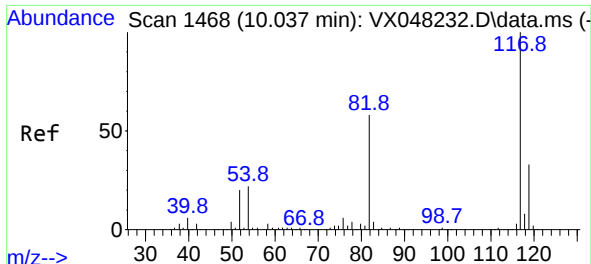
Tgt Ion: 98 Resp: 271212
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 52.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 95 Resp: 104865
Ion Ratio Lower Upper
95 100
174 78.0 0.0 147.8
176 75.6 0.0 142.8

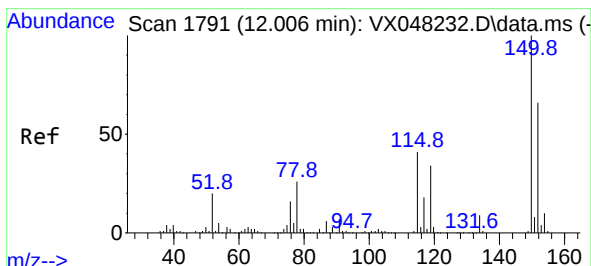
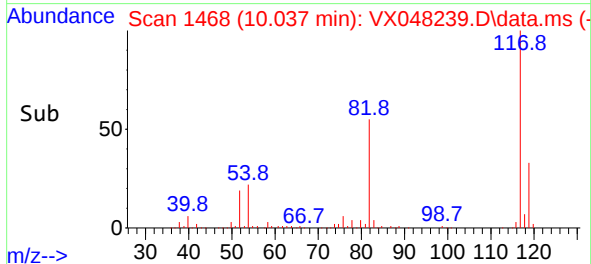
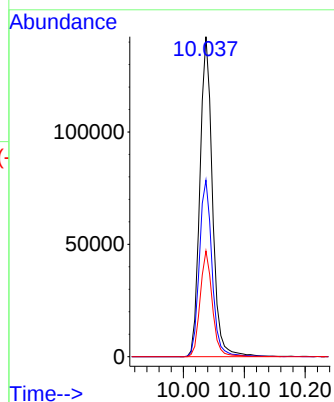
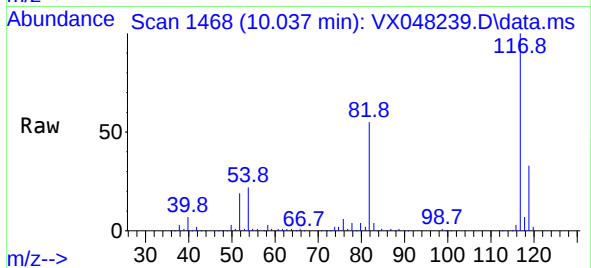




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

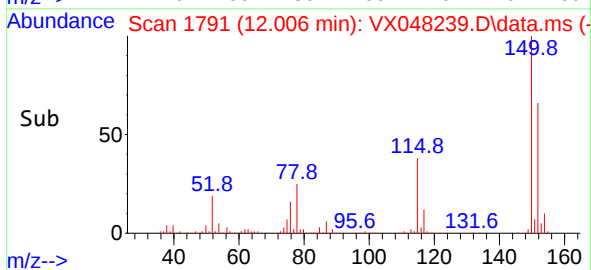
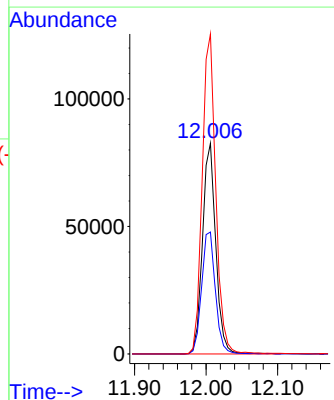
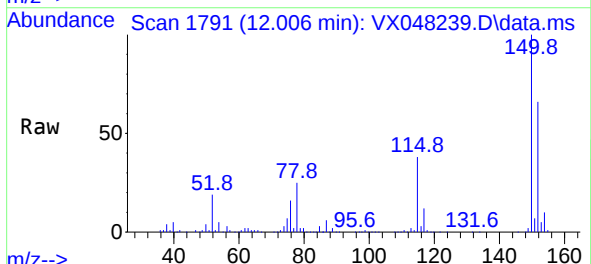
Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

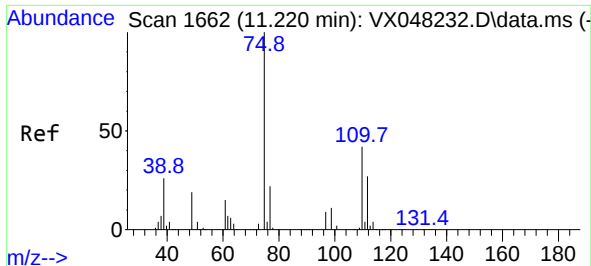
Tgt Ion:117 Resp: 203730
Ion Ratio Lower Upper
117 100
82 55.1 46.5 69.7
119 33.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion:152 Resp: 106522
Ion Ratio Lower Upper
152 100
115 60.0 43.1 129.4
150 154.7 0.0 353.0

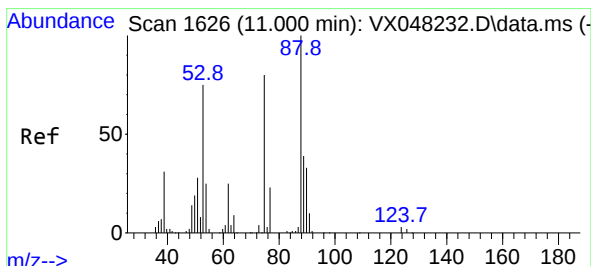
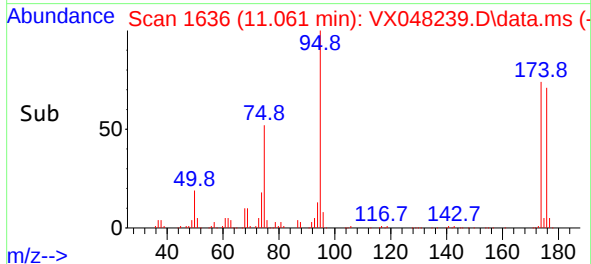
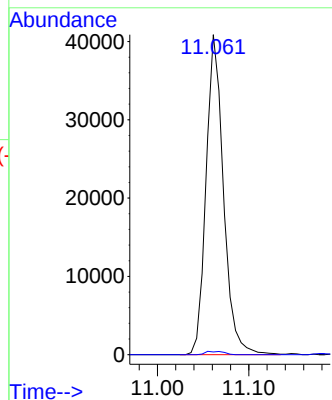
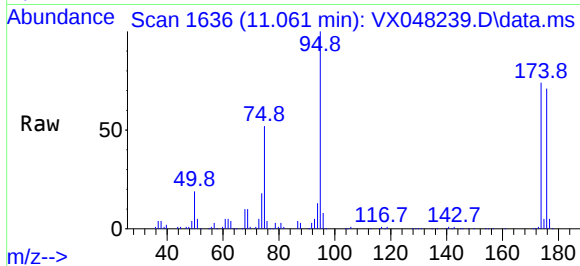




#76
1,2,3-Trichloropropane
Concen: 31.241 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

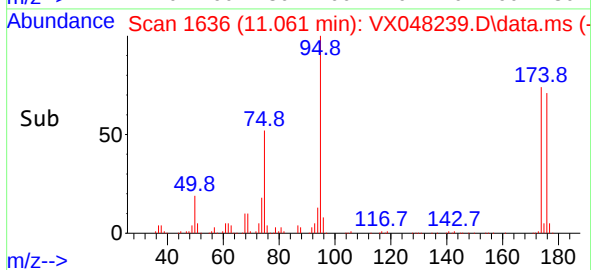
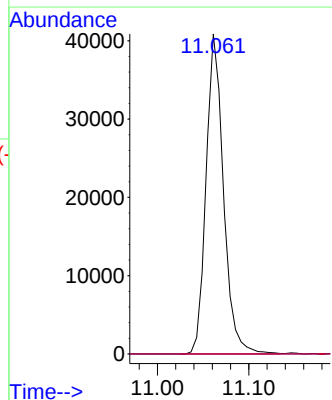
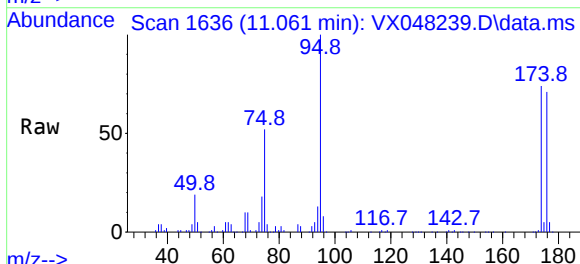
Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

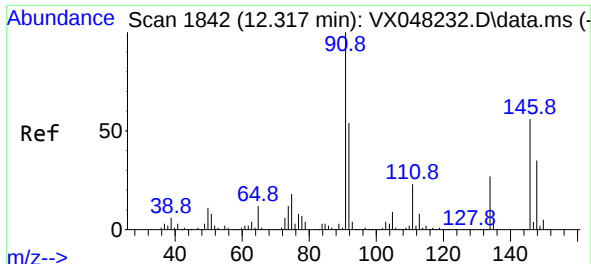
Tgt Ion: 75 Resp: 53967
Ion Ratio Lower Upper
75 100
77 1.1 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.008 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

Tgt Ion: 75 Resp: 53967
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

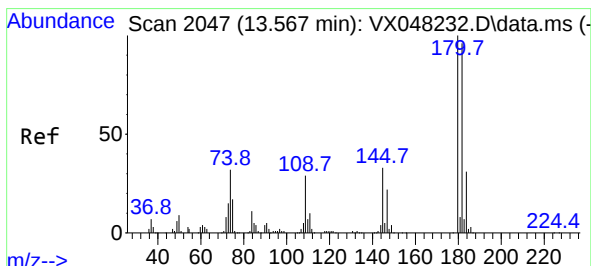
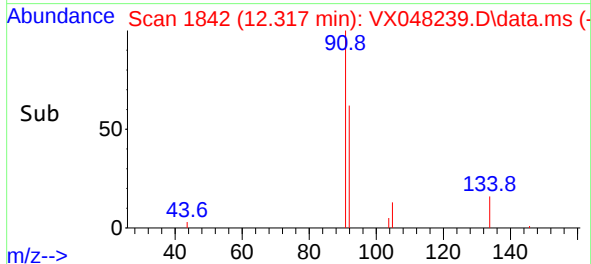
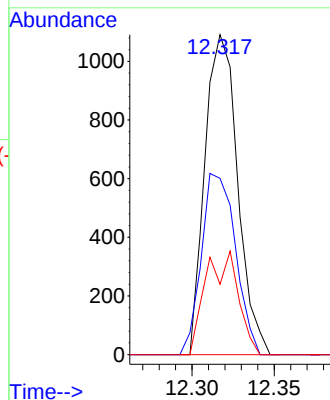
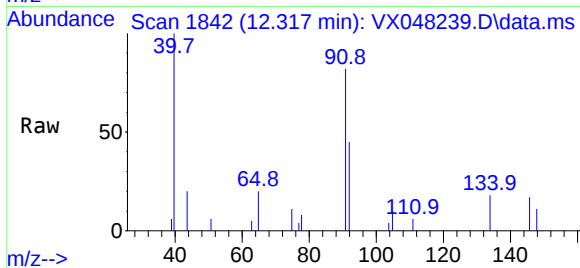




#89
n-Butylbenzene
Concen: 0.241 ug/l
RT: 12.317 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

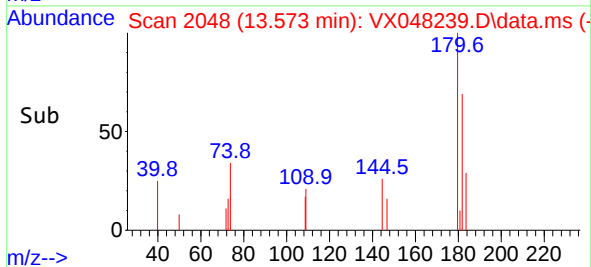
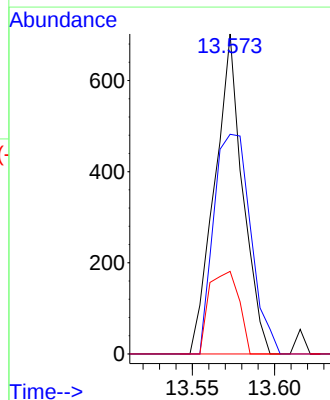
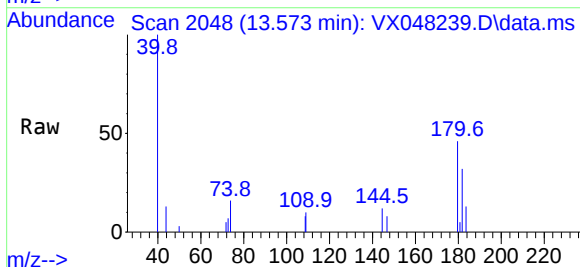
Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

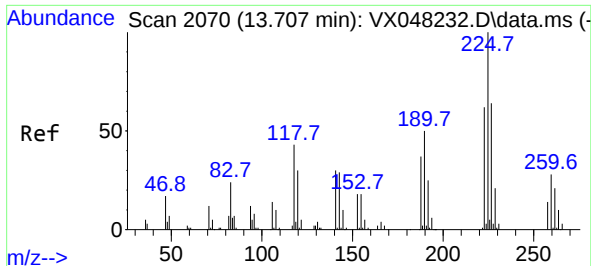
Tgt Ion:	91	Resp:	1510
Ion	Ratio	Lower	Upper
91	100		
92	58.9	26.9	80.6
134	32.1	12.7	38.1



#93
1,2,4-Trichlorobenzene
Concen: 0.356 ug/l
RT: 13.573 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

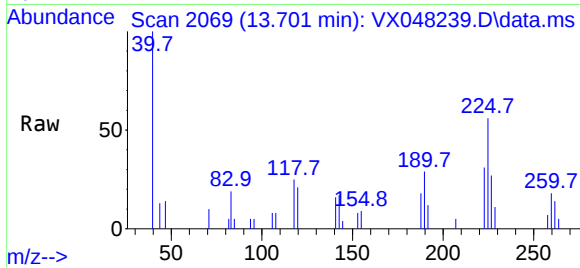
Tgt Ion:	180	Resp:	831
Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.3	142.0
145	27.4	16.3	48.9



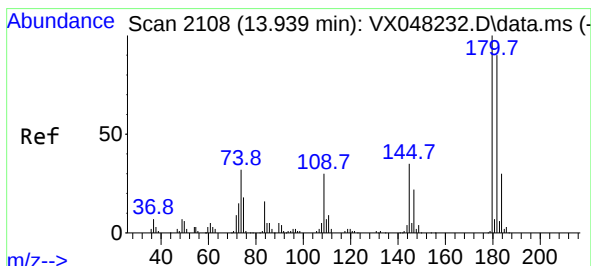
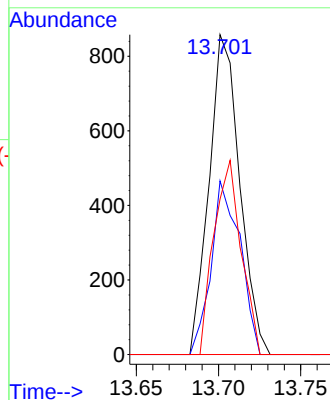
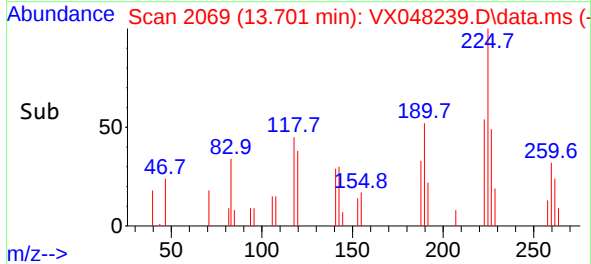


#94
Hexachlorobutadiene
Concen: 1.337 ug/l
RT: 13.701 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23

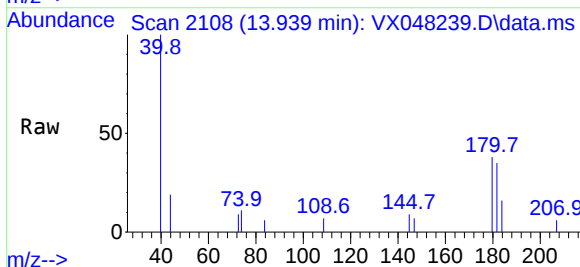
Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01



Tgt Ion:225 Resp: 1113
Ion Ratio Lower Upper
225 100
223 51.3 32.6 97.7
227 54.1 32.5 97.4



#96
1,2,3-Trichlorobenzene
Concen: 0.305 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048239.D
Acq: 20 Oct 2025 15:23



Tgt Ion:180 Resp: 654
Ion Ratio Lower Upper
180 100
182 106.4 46.6 139.7
145 33.5 16.9 50.7

