

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048770.D
 Acq On : 09 Dec 2025 10:06
 Operator : JC/MD
 Sample : VX1209MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 10 00:13:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

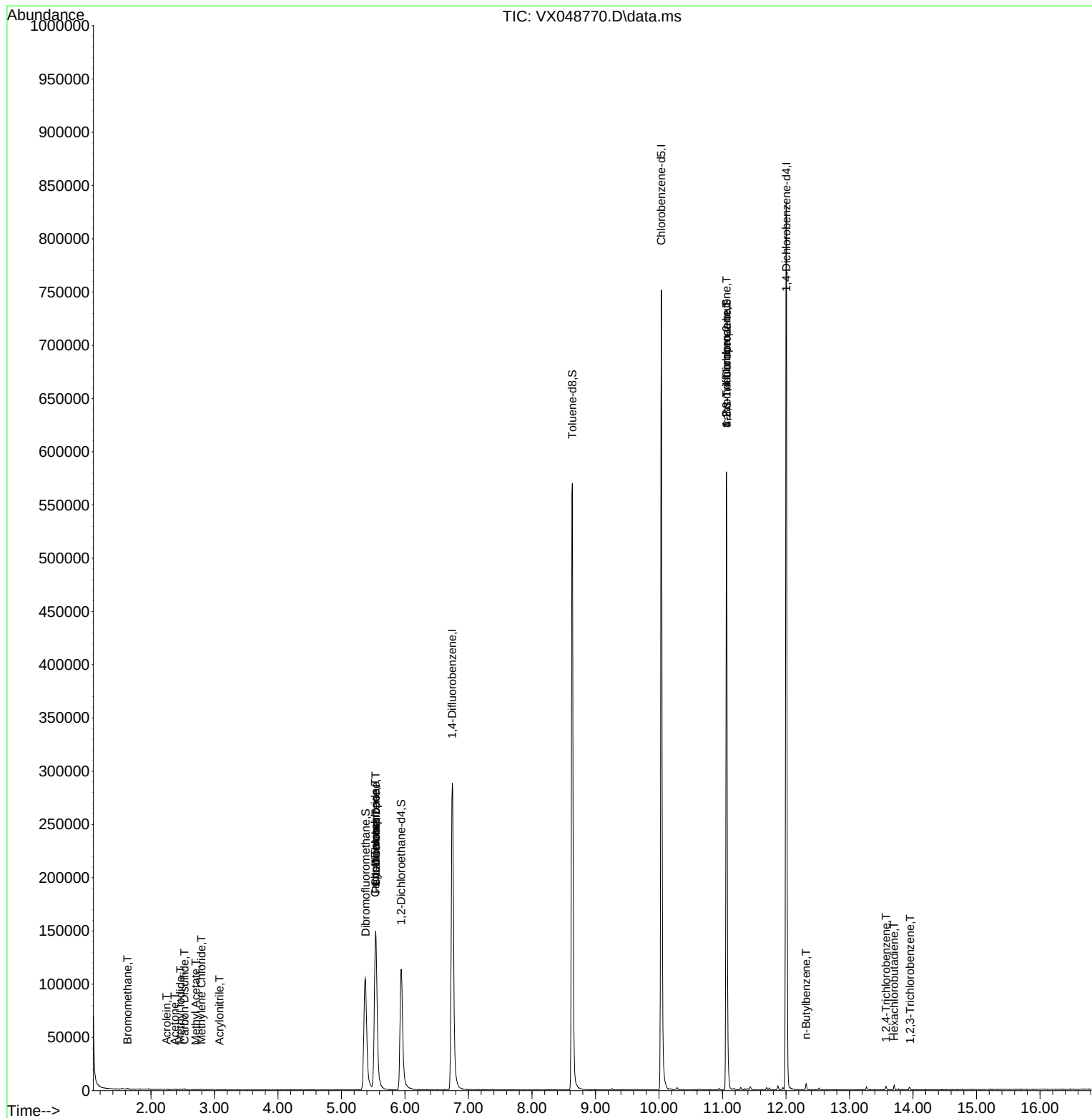
Internal Standards						
1) Pentafluorobenzene	5.544	168	150391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	328431	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	357379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	183429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	128634	63.727	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 127.460%#	
35) Dibromofluoromethane	5.379	113	107849	47.692	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.380%	
50) Toluene-d8	8.635	98	374827	47.286	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 94.580%	
62) 4-Bromofluorobenzene	11.061	95	162521	59.457	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 118.920%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	451	0.354	ug/l #	55
10) Methyl Iodide	2.465	142	1056	0.434	ug/l #	95
13) Acrolein	2.246	56	187	40.676	ug/l	99
15) Acrylonitrile	3.081	53	247	0.243	ug/l #	40
16) Acetone	2.374	43	1057	1.368	ug/l	99
17) Carbon Disulfide	2.526	76	1420	0.280	ug/l	100
18) Methyl Acetate	2.703	43	947	0.436	ug/l #	56
20) Methylene Chloride	2.794	84	417	0.216	ug/l #	47
31) Cyclohexane	5.538	56	3208	1.176	ug/l #	18
36) 1,1-Dichloropropene	5.538	75	12335	3.983	ug/l #	44
38) Carbon Tetrachloride	5.532	117	16266	4.636	ug/l #	13
76) 1,2,3-Trichloropropane	11.061	75	86769	25.398	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	86769	60.329	ug/l #	3
89) n-Butylbenzene	12.317	91	2509	0.245	ug/l	99
93) 1,2,4-Trichlorobenzene	13.573	180	1165	0.299	ug/l	89
94) Hexachlorobutadiene	13.701	225	770	0.478	ug/l	88
95) Naphthalene	13.768	128	1114	Below Cal	#	89
96) 1,2,3-Trichlorobenzene	13.951	180	854	0.238	ug/l	95

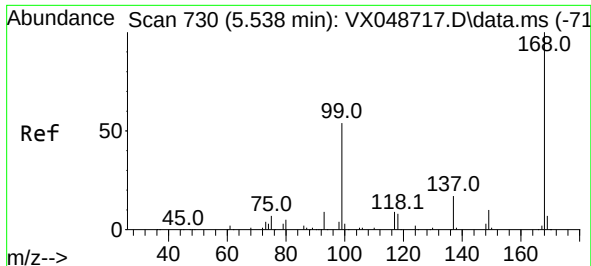
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX1209MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 10 00:13:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

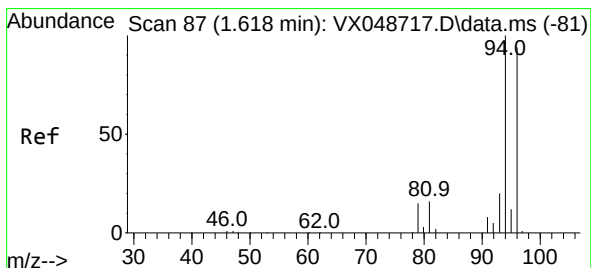
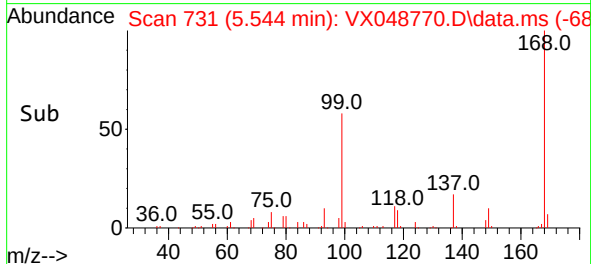
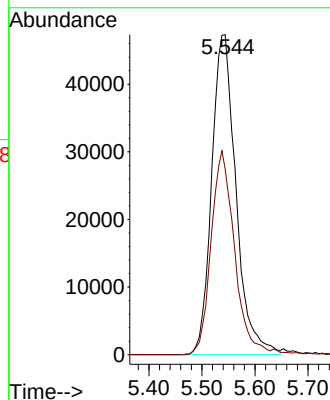
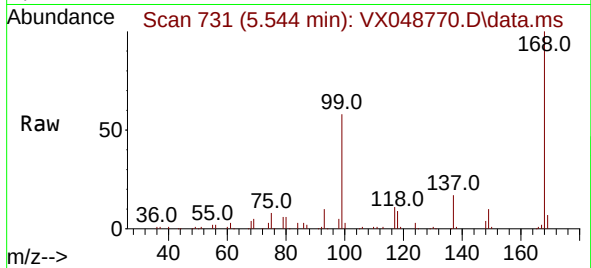




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

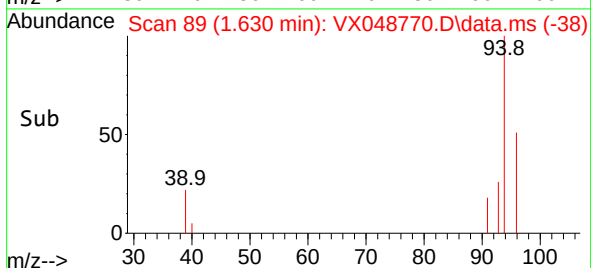
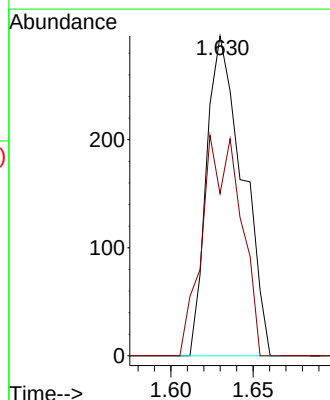
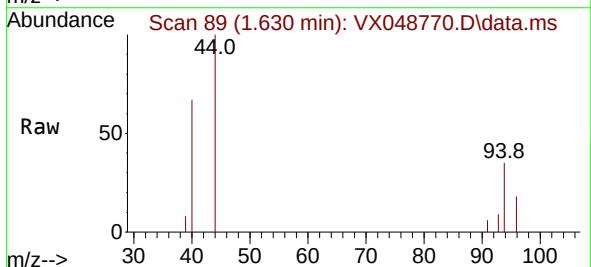
Instrument :
MSVOA_X
ClientSampleId :

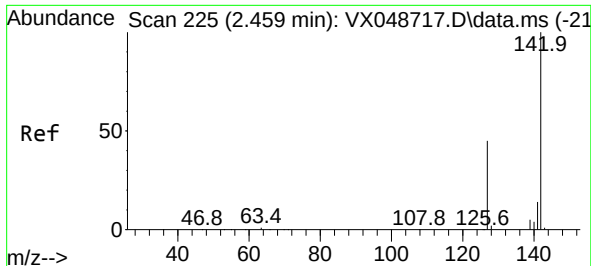
Tgt Ion:168 Resp: 150391
Ion Ratio Lower Upper
168 100
99 58.0 44.2 66.4



#5
Bromomethane
Concen: 0.354 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

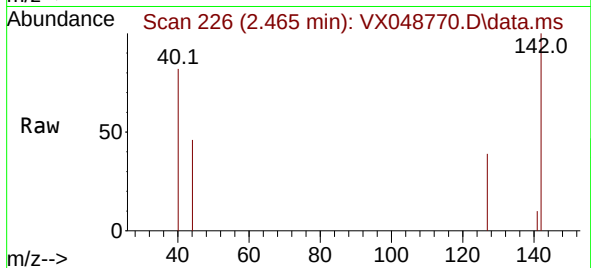
Tgt Ion: 94 Resp: 451
Ion Ratio Lower Upper
94 100
96 50.7 75.2 112.8#



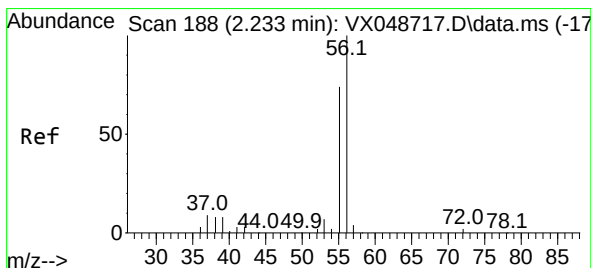
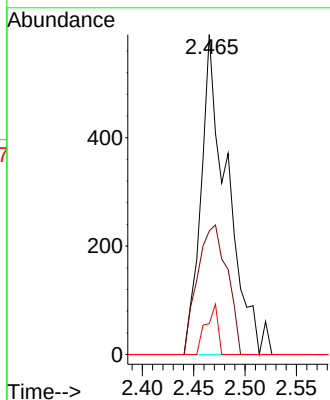
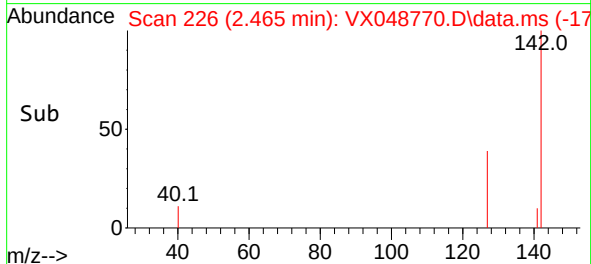


#10
Methyl Iodide
Concen: 0.434 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :

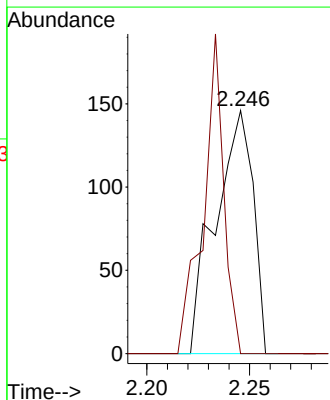
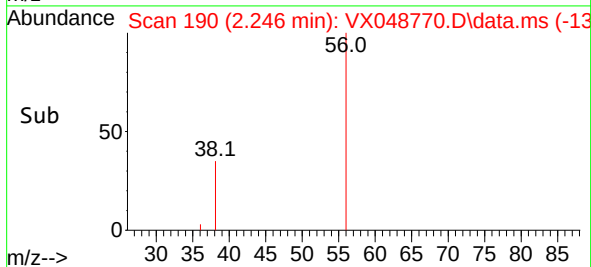
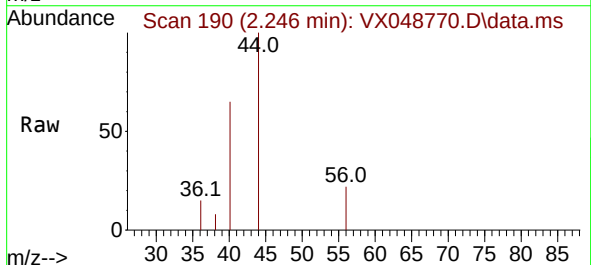


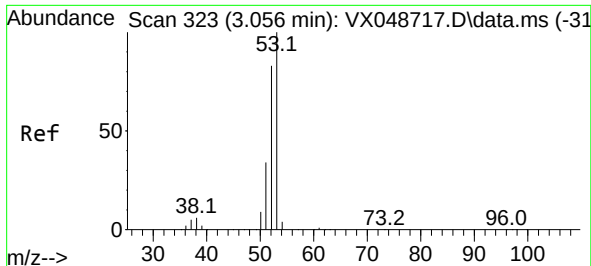
Tgt Ion:142 Resp: 1056
Ion Ratio Lower Upper
142 100
127 45.5 35.8 53.6
141 7.1 11.1 16.7#



#13
Acrolein
Concen: 40.676 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 70.6 55.8 83.6





#15

Acrylonitrile

Concen: 0.243 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.024 min

Lab File: VX048770.D

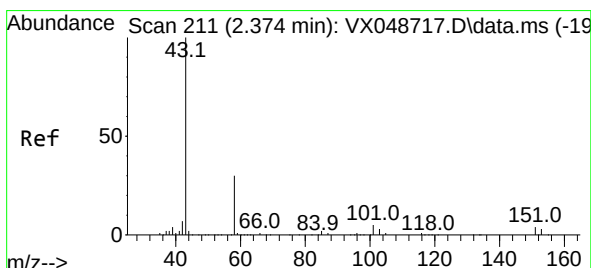
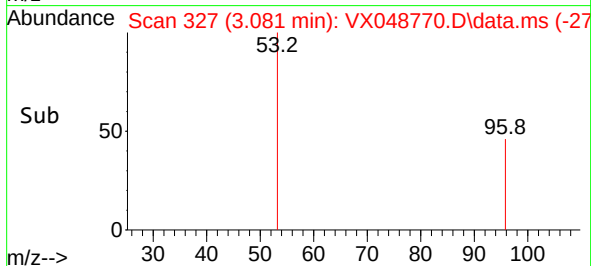
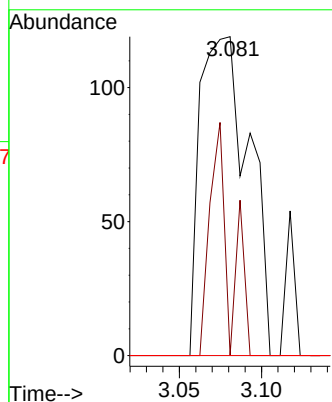
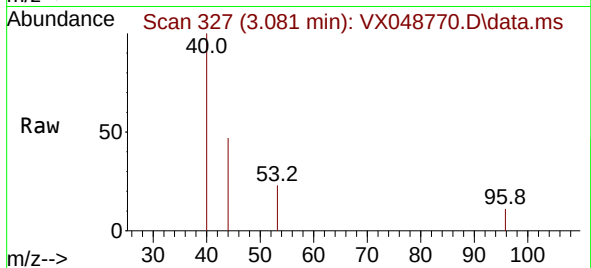
Acq: 09 Dec 2025 10:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp: 247
Ion Ratio	Lower Upper
53	100
52	30.0 66.3 99.5#
51	0.0 28.7 43.1#



#16

Acetone

Concen: 1.368 ug/l

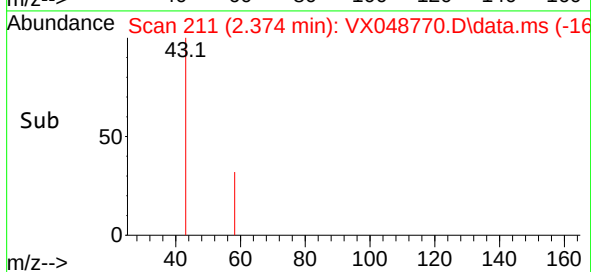
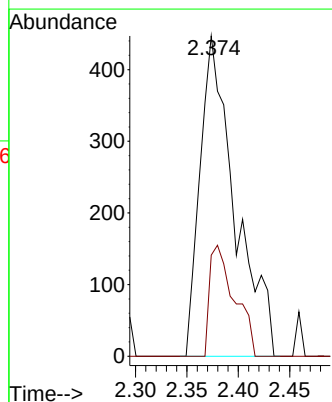
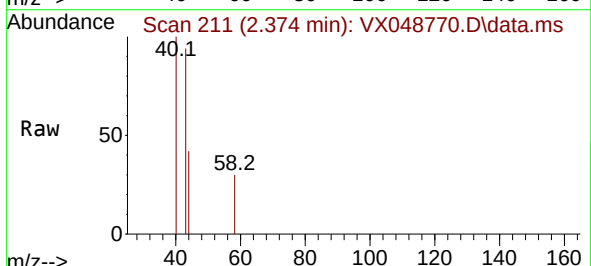
RT: 2.374 min Scan# 211

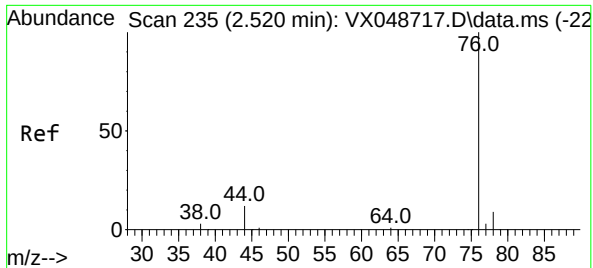
Delta R.T. 0.000 min

Lab File: VX048770.D

Acq: 09 Dec 2025 10:06

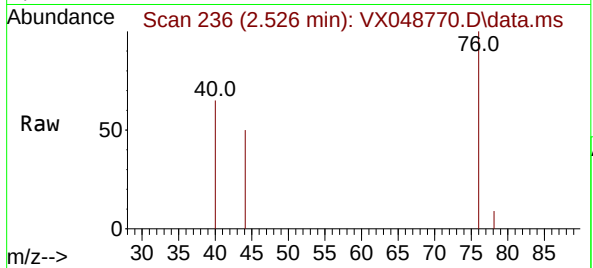
Tgt Ion: 43	Resp: 1057
Ion Ratio	Lower Upper
43	100
58	31.5 25.0 37.4



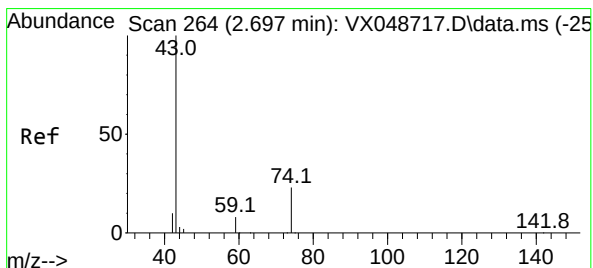
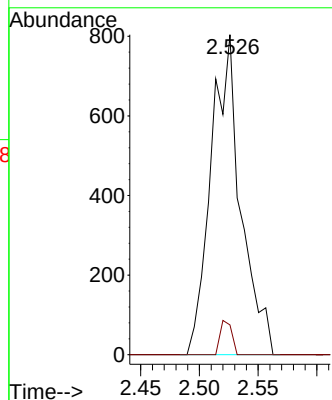
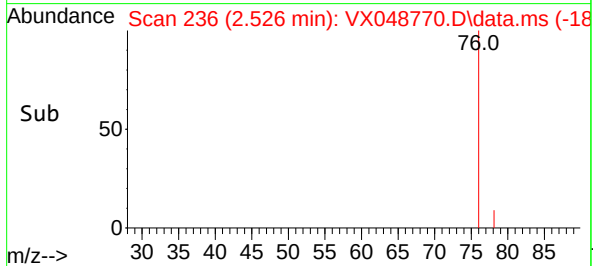


#17
Carbon Disulfide
Concen: 0.280 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :

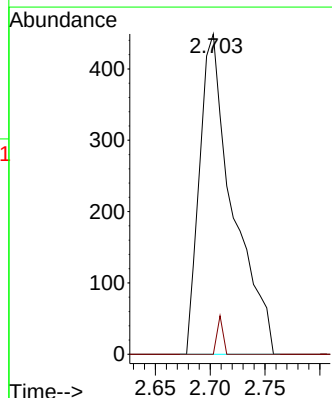
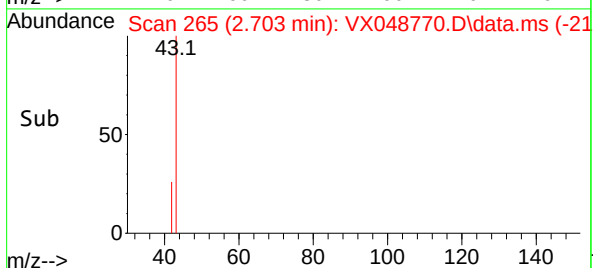
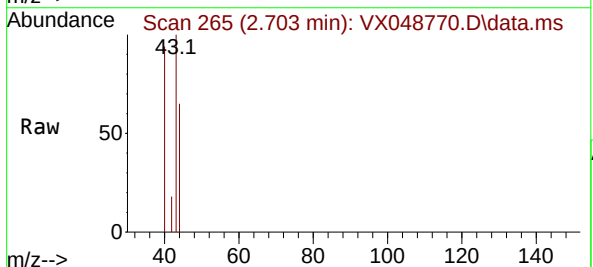


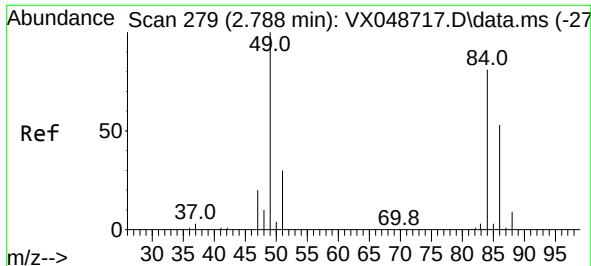
Tgt Ion: 76 Resp: 1420
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 0.436 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

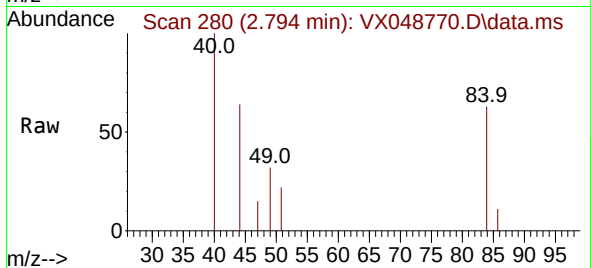
Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
74 2.1 19.2 28.8#



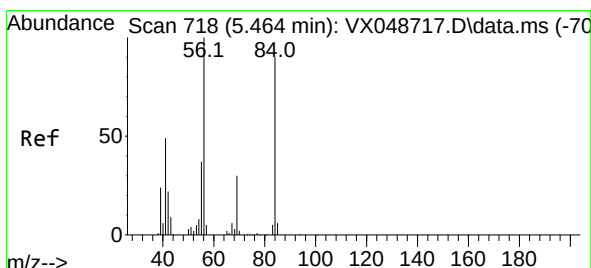
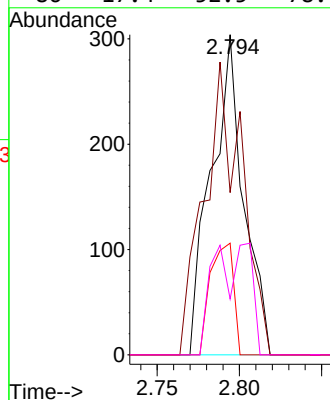
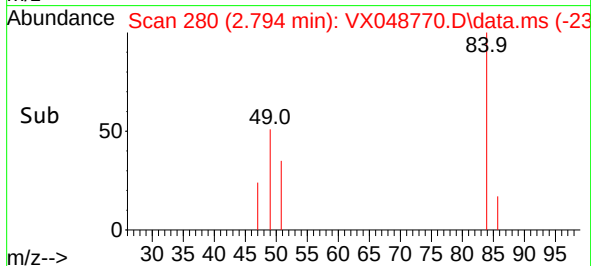


#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :

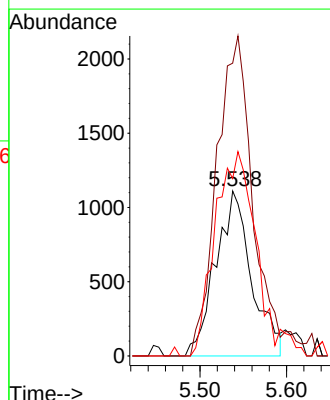
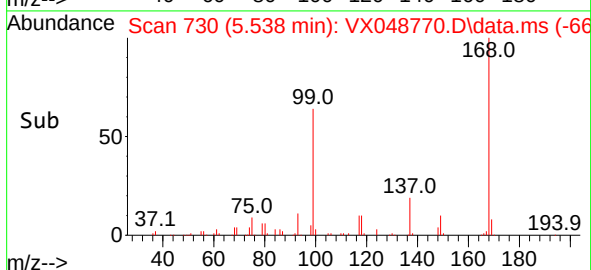
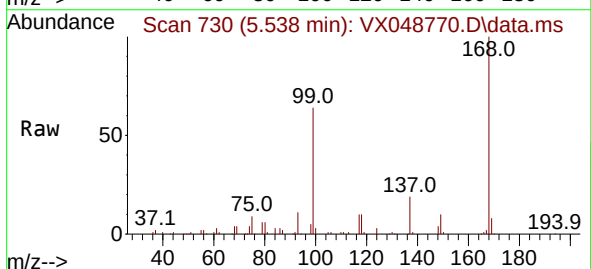


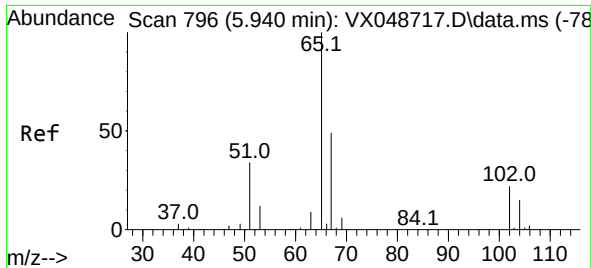
Tgt Ion: 84	Resp: 417
Ion Ratio	Lower Upper
84 100	
49 50.7	98.7 148.1#
51 34.9	29.4 44.2
86 17.4	52.5 78.7#



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

Tgt Ion: 56	Resp: 3208		
Ion Ratio	Lower	Upper	
56	100		
69	177.5	24.2	36.2#
84	107.6	72.1	108.1





#33

1,2-Dichloroethane-d4

Concen: 63.727 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048770.D

Acq: 09 Dec 2025 10:06

Instrument :

MSVOA_X

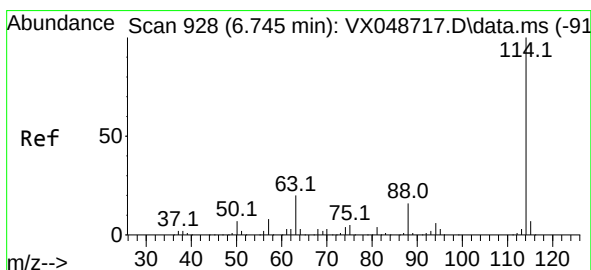
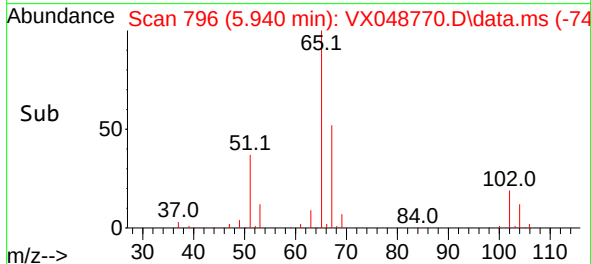
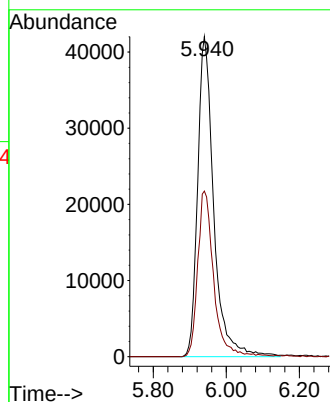
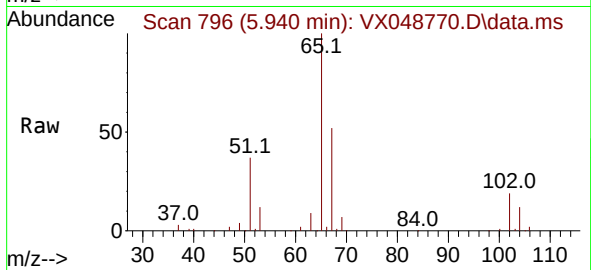
ClientSampleId :

Tgt Ion: 65 Resp: 128634

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. 0.000 min

Lab File: VX048770.D

Acq: 09 Dec 2025 10:06

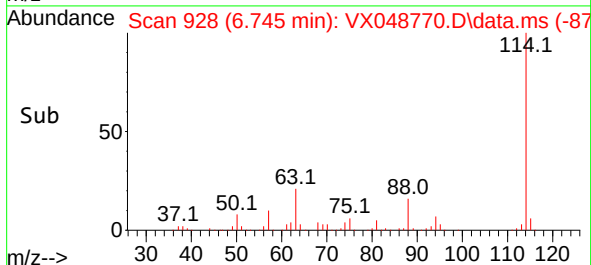
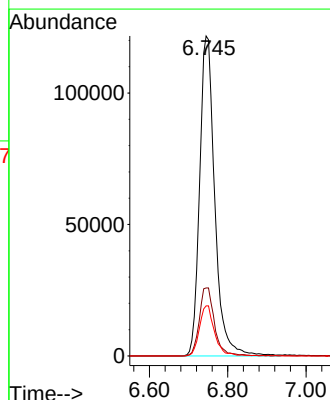
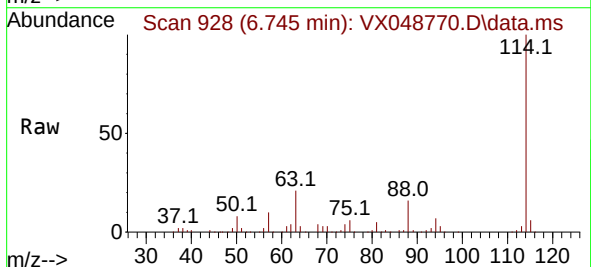
Tgt Ion: 114 Resp: 328431

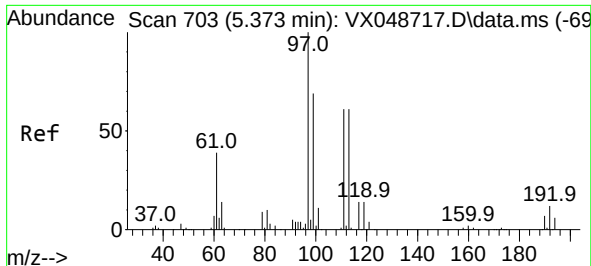
Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

88 15.7 0.0 31.8

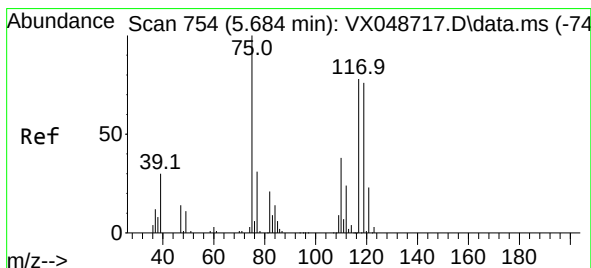
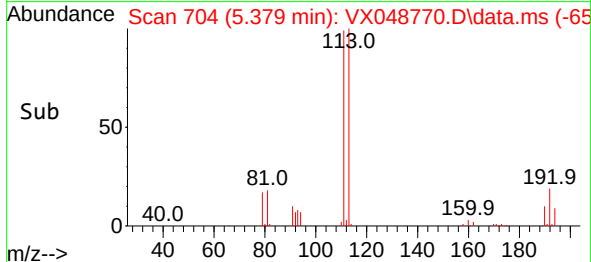
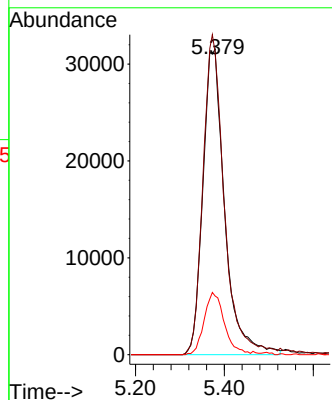
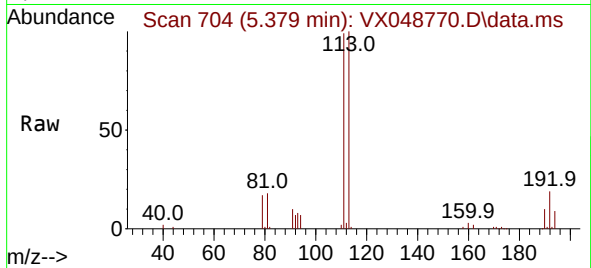




#35
Dibromofluoromethane
Concen: 47.692 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

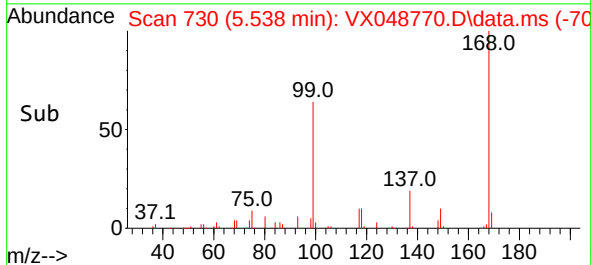
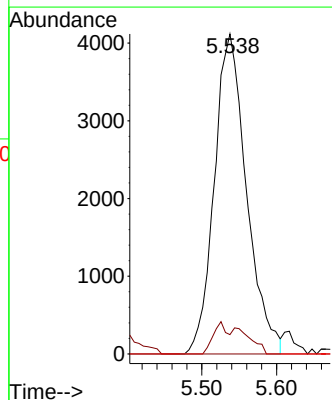
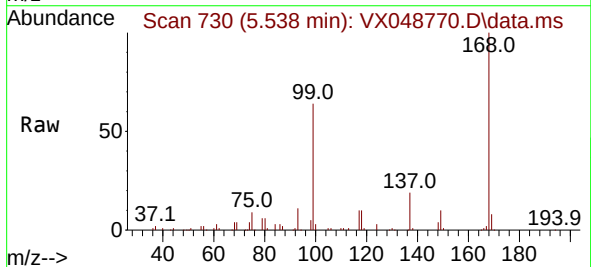
Instrument :
MSVOA_X
ClientSampleId :

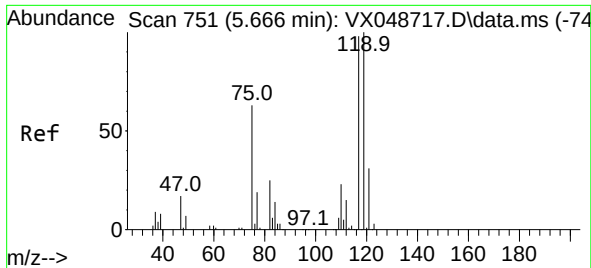
Tgt Ion:113 Resp: 107849
Ion Ratio Lower Upper
113 100
111 101.4 79.5 119.3
192 18.9 16.1 24.1



#36
1,1-Dichloropropene
Concen: 3.983 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

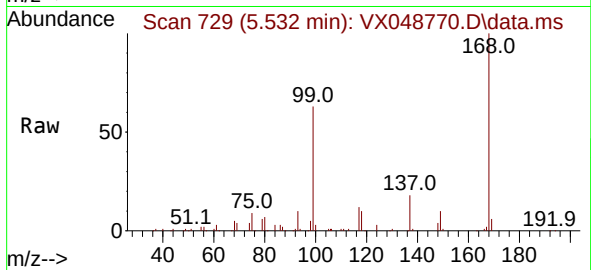
Tgt Ion: 75 Resp: 12335
Ion Ratio Lower Upper
75 100
110 4.6 18.6 55.8#
77 0.0 25.3 37.9#



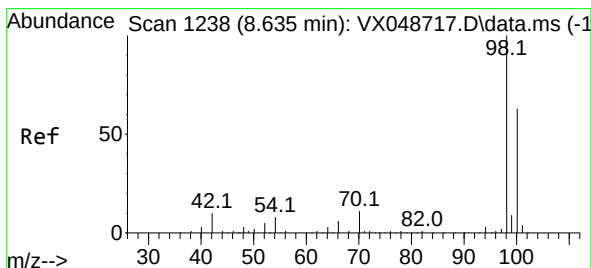
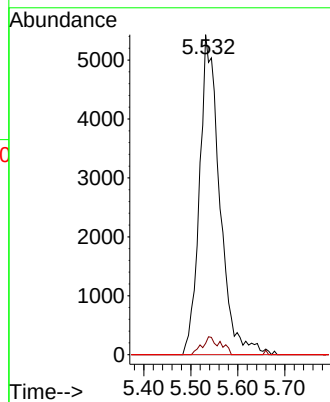
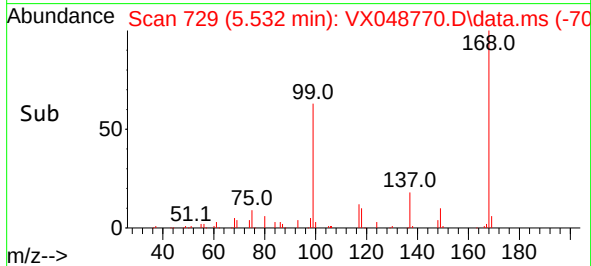


#38
Carbon Tetrachloride
Concen: 4.636 ug/l
RT: 5.532 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :

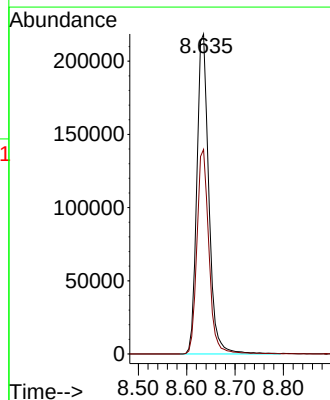
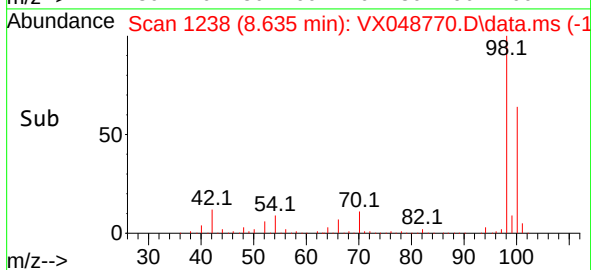
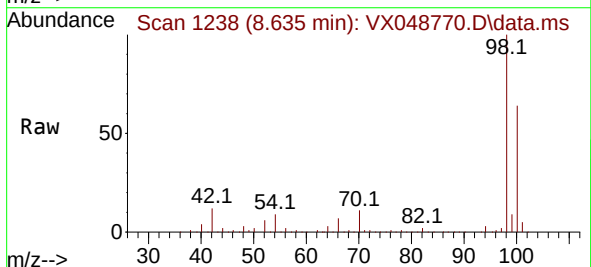


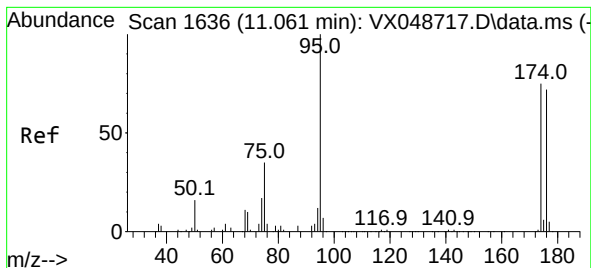
Tgt Ion:117 Resp: 16266
Ion Ratio Lower Upper
117 100
119 3.6 80.5 120.7#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 47.286 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

Tgt Ion: 98 Resp: 374827
Ion Ratio Lower Upper
98 100
100 64.1 53.4 80.0

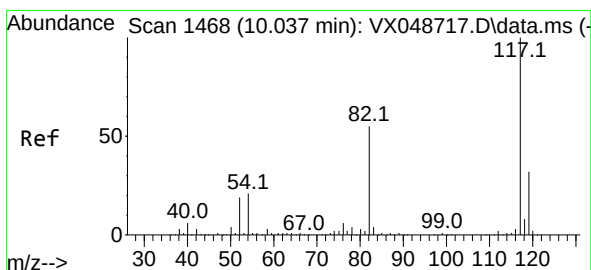
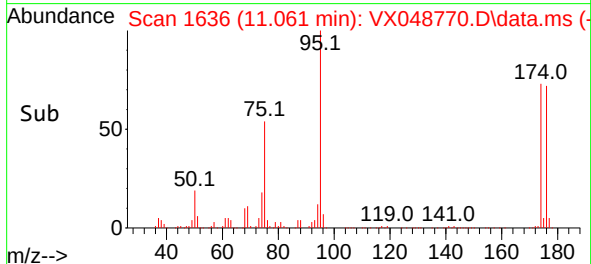
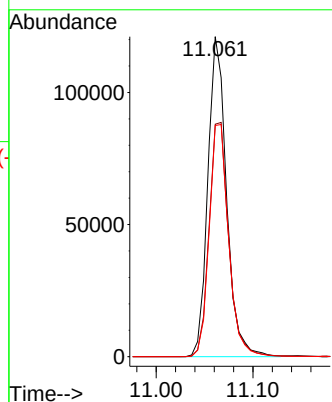
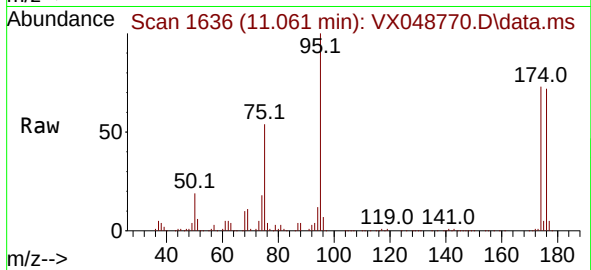




#62
4-Bromofluorobenzene
Concen: 59.457 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

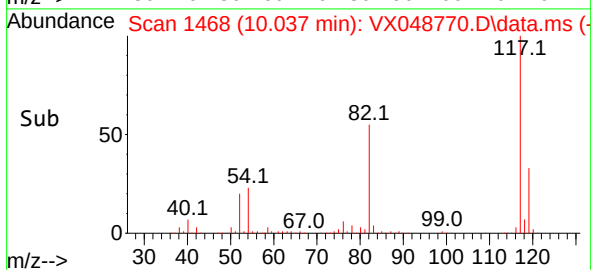
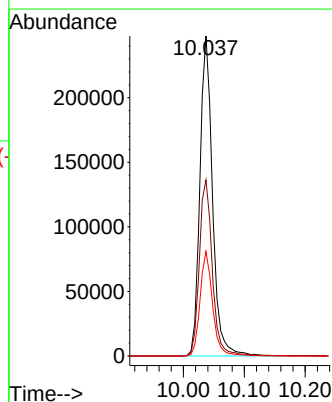
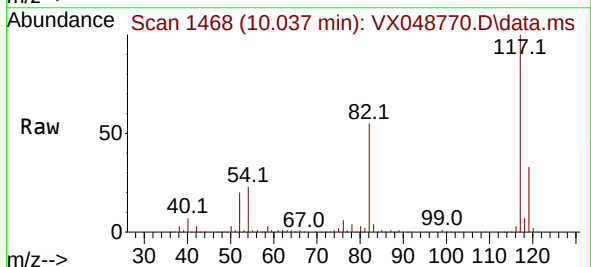
Instrument :
MSVOA_X
ClientSampleId :

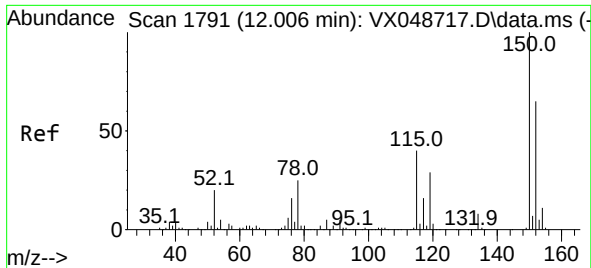
Tgt Ion: 95 Resp: 162521
Ion Ratio Lower Upper
95 100
174 76.8 0.0 157.8
176 75.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

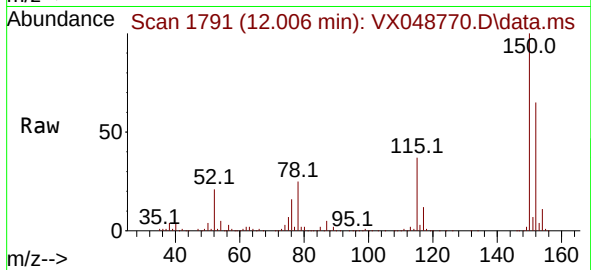
Tgt Ion: 117 Resp: 357379
Ion Ratio Lower Upper
117 100
82 55.0 44.1 66.1
119 32.6 25.2 37.8



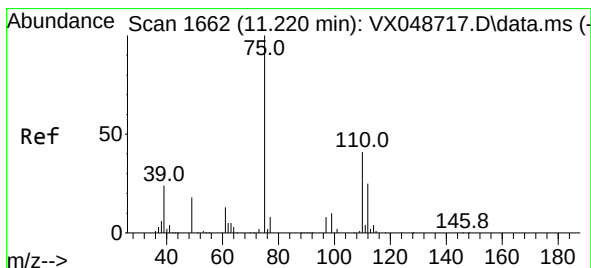
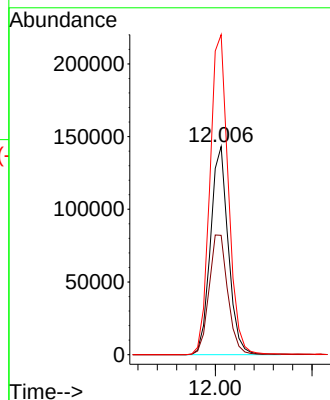
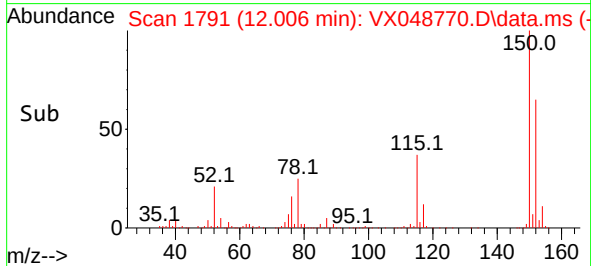


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048770.D
 Acq: 09 Dec 2025 10:06

Instrument :
 MSVOA_X
 ClientSampleId :

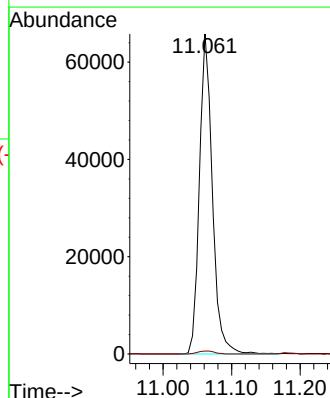
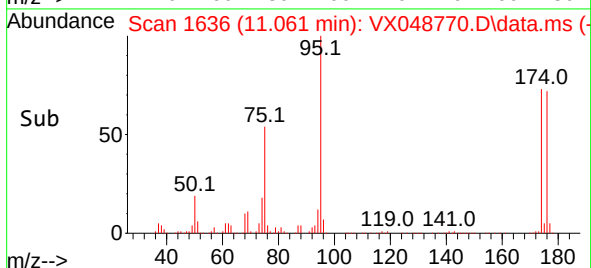
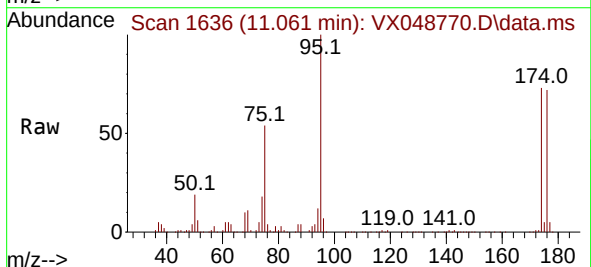


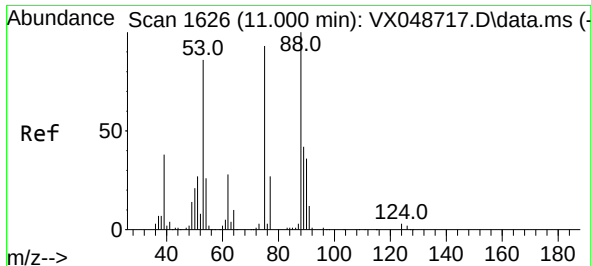
Tgt Ion:152 Resp: 183429
 Ion Ratio Lower Upper
 152 100
 115 60.7 42.1 126.4
 150 159.4 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 25.398 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX048770.D
 Acq: 09 Dec 2025 10:06

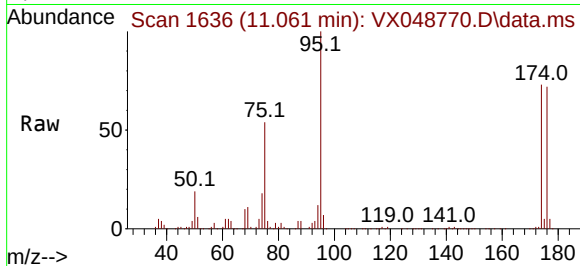
Tgt Ion: 75 Resp: 86769
 Ion Ratio Lower Upper
 75 100
 77 1.2 24.3 73.0#



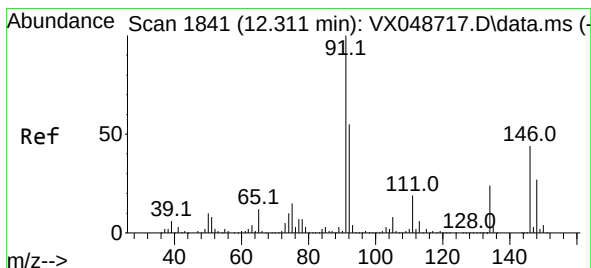
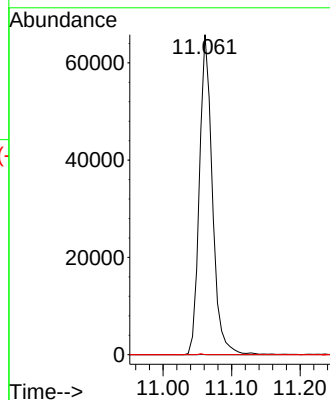
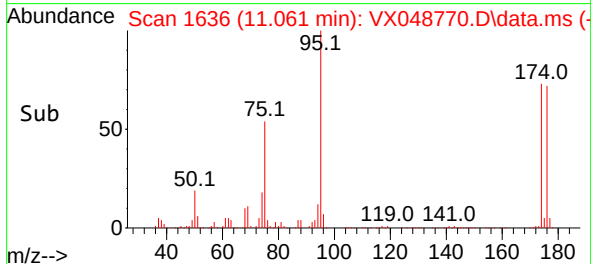


#81
trans-1,4-Dichloro-2-butene
Concen: 60.329 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

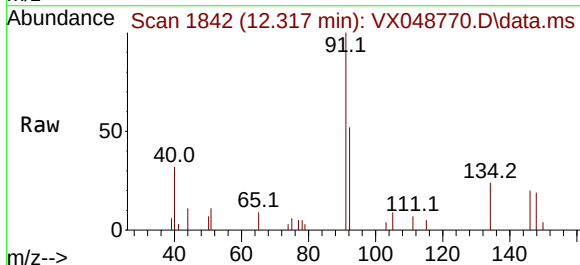
Instrument :
MSVOA_X
ClientSampleId :



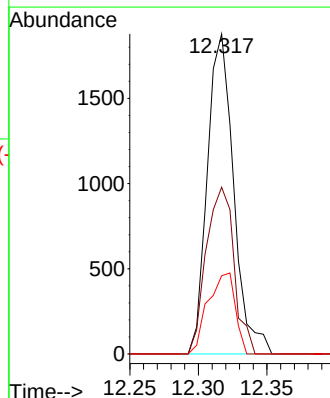
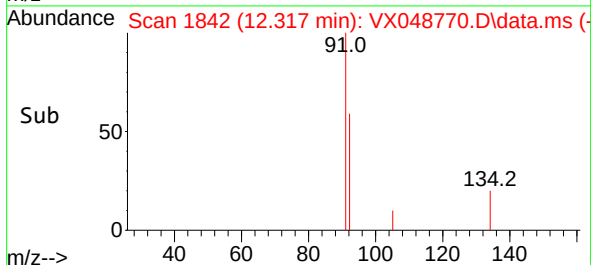
Tgt Ion: 75 Resp: 86769
Ion Ratio Lower Upper
75 100
53 0.1 79.9 119.9#
89 0.1 67.1 100.7#

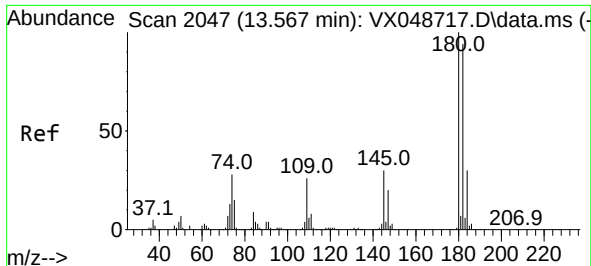


#89
n-Butylbenzene
Concen: 0.245 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06



Tgt Ion: 91 Resp: 2509
Ion Ratio Lower Upper
91 100
92 55.0 27.1 81.3
134 26.1 12.9 38.6





#93

1,2,4-Trichlorobenzene

Concen: 0.299 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048770.D

Acq: 09 Dec 2025 10:06

Instrument :

MSVOA_X

ClientSampleId :

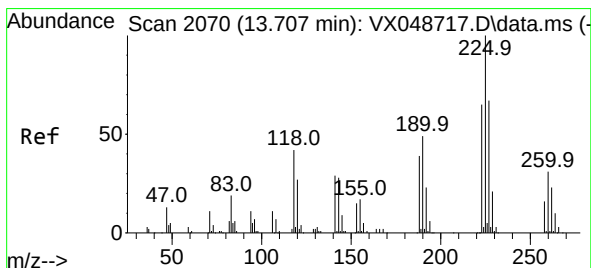
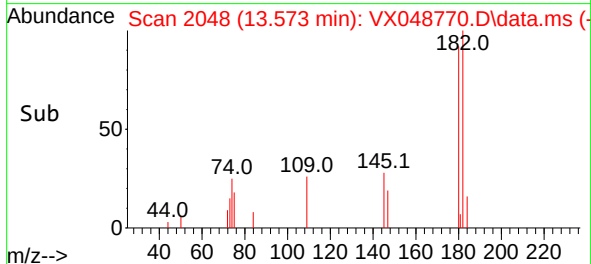
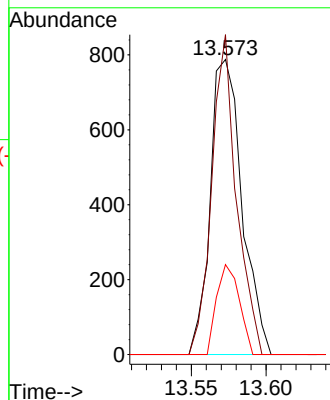
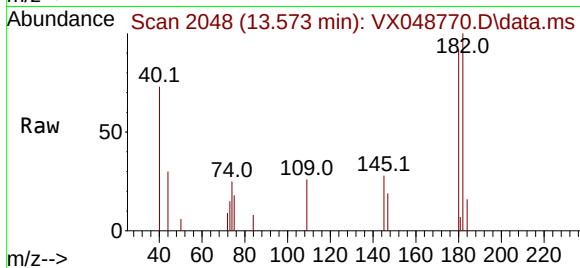
Tgt Ion:180 Resp: 1165

Ion Ratio Lower Upper

180 100

182 84.4 46.9 140.8

145 21.6 15.1 45.3



#94

Hexachlorobutadiene

Concen: 0.478 ug/l

RT: 13.701 min Scan# 2069

Delta R.T. -0.006 min

Lab File: VX048770.D

Acq: 09 Dec 2025 10:06

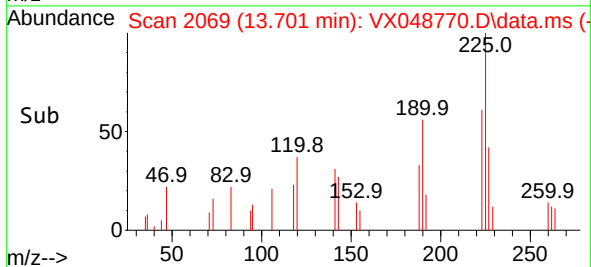
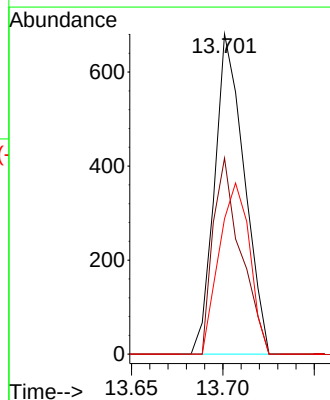
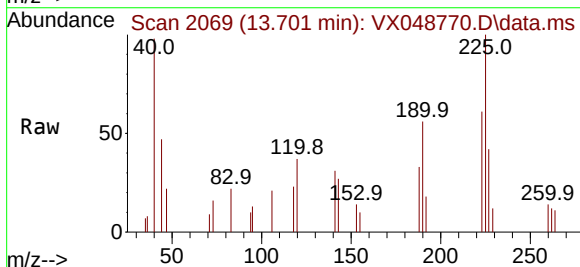
Tgt Ion:225 Resp: 770

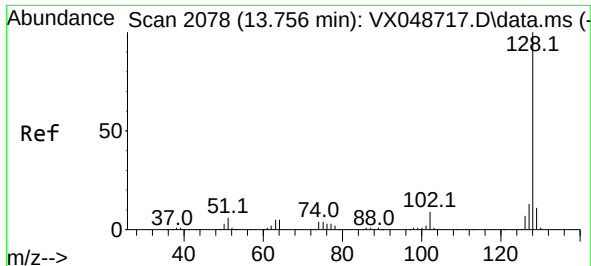
Ion Ratio Lower Upper

225 100

223 57.1 33.0 98.9

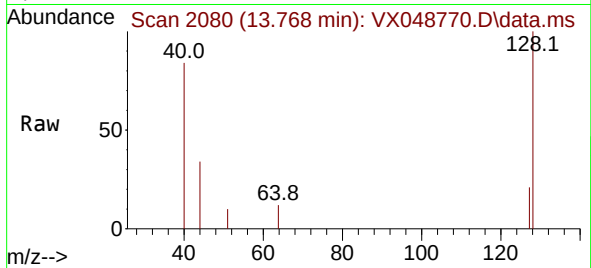
227 55.1 32.9 98.7



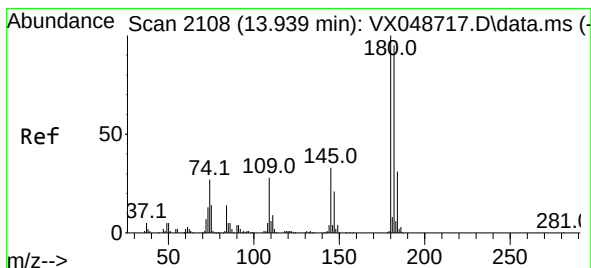
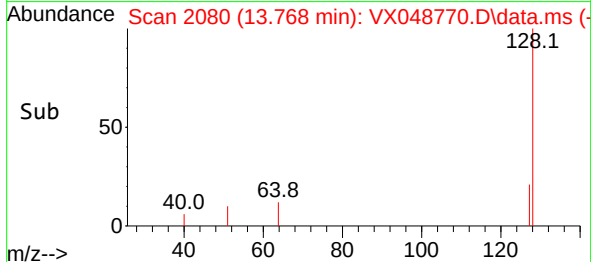
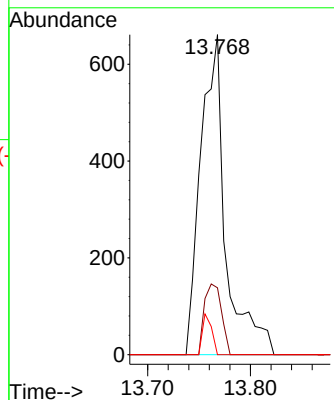


#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 2078
Delta R.T. 0.012 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1114
Ion Ratio Lower Upper
128 100
127 15.2 10.2 15.2
129 4.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.238 ug/l
RT: 13.951 min Scan# 2110
Delta R.T. 0.012 min
Lab File: VX048770.D
Acq: 09 Dec 2025 10:06

Tgt Ion:180 Resp: 854
Ion Ratio Lower Upper
180 100
182 100.1 48.0 144.2
145 28.7 16.6 49.8

