

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048168.D
 Acq On : 14 Oct 2025 15:54
 Operator : JC/MD
 Sample : Q3276-01
 Misc : 6.06g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

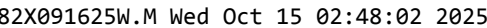
Quant Time: Oct 15 02:47:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

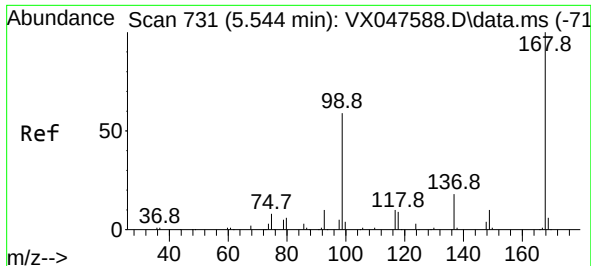
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	130580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	267000	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	286249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	154440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108914	52.400	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.800%	
35) Dibromofluoromethane	5.373	113	86165	48.119	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.240%	
50) Toluene-d8	8.635	98	302310	48.791	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.580%	
62) 4-Bromofluorobenzene	11.067	95	136218	57.928	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	1292	1.171	ug/l	95
6) Chloroethane	1.703	64	479	0.412	ug/l #	42
10) Methyl Iodide	2.453	142	5491	2.331	ug/l #	97
11) Tert butyl alcohol	2.940	59	3594	15.526	ug/l #	72
18) Methyl Acetate	2.703	43	1037	0.516	ug/l #	73
20) Methylene Chloride	2.794	84	1522	0.796	ug/l #	82
31) Cyclohexane	5.538	56	3205	1.167	ug/l #	9
36) 1,1-Dichloropropene	5.538	75	11650	4.452	ug/l #	51
38) Carbon Tetrachloride	5.531	117	14483	5.094	ug/l #	19
76) 1,2,3-Trichloropropane	11.067	75	72742	23.263	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	72742	59.324	ug/l #	8

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

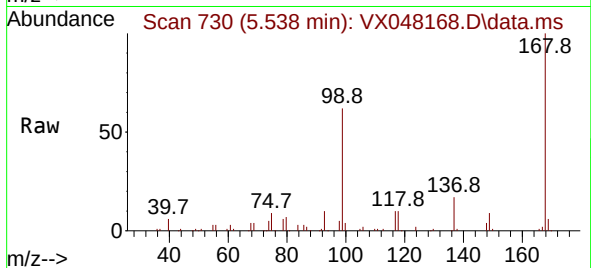
Quant Time: Oct 15 02:47:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



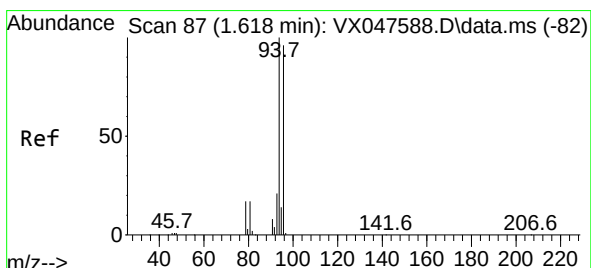
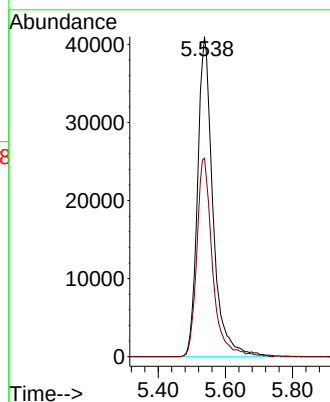
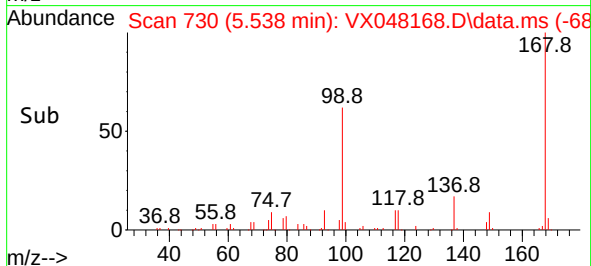


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :

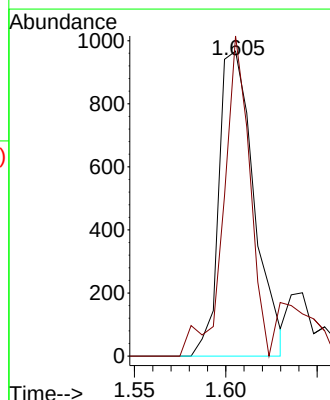
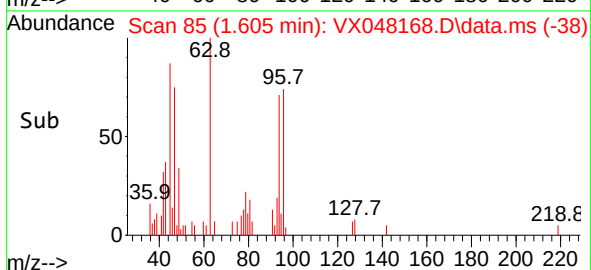
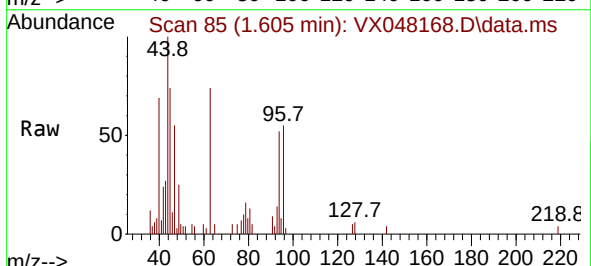


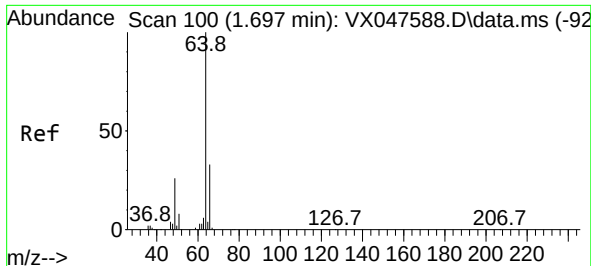
Tgt Ion:168 Resp: 130580
Ion Ratio Lower Upper
168 100
99 62.0 48.8 73.2



#5
Bromomethane
Concen: 1.171 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.012 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

Tgt Ion: 94 Resp: 1292
Ion Ratio Lower Upper
94 100
96 90.5 76.6 115.0

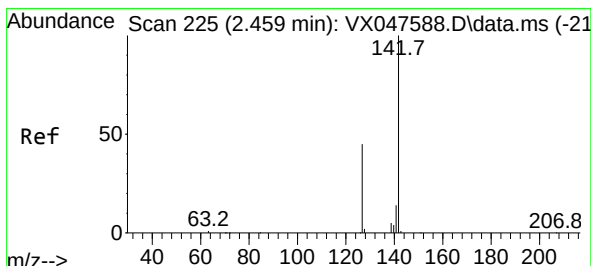
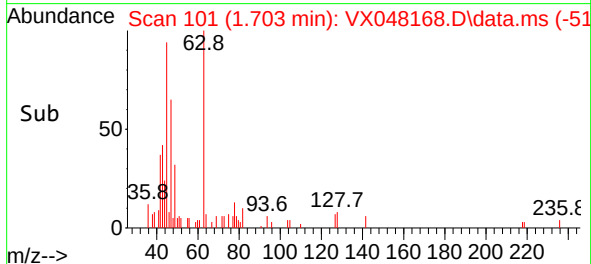
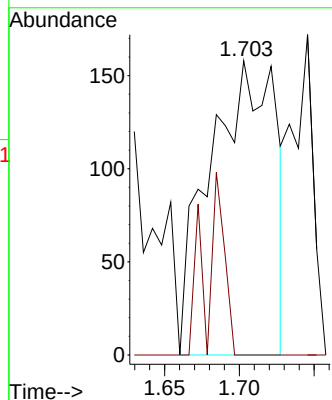
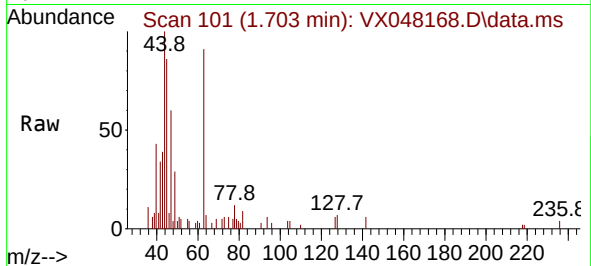




#6
Chloroethane
Concen: 0.412 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.006 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

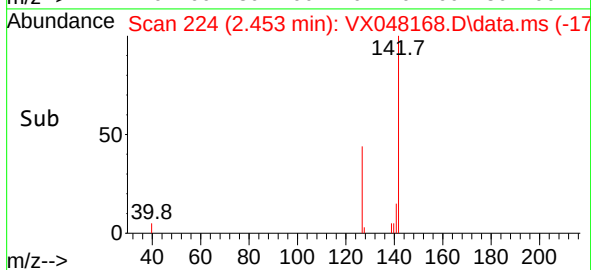
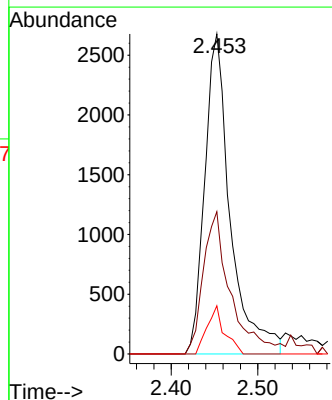
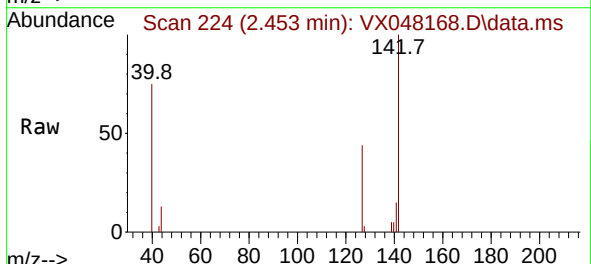
Instrument :
MSVOA_X
ClientSampleId :

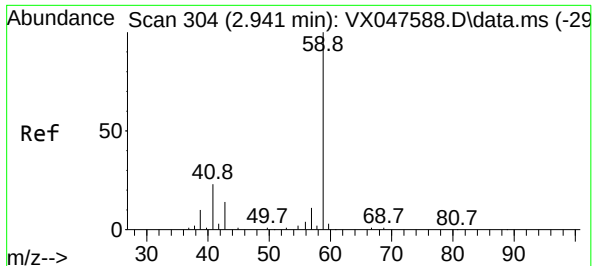
Tgt Ion: 64 Resp: 479
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#10
Methyl Iodide
Concen: 2.331 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

Tgt Ion:142 Resp: 5491
Ion Ratio Lower Upper
142 100
127 46.9 37.2 55.8
141 10.3 11.4 17.0#





#11

Tert butyl alcohol

Concen: 15.526 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.000 min

Lab File: VX048168.D

Acq: 14 Oct 2025 15:54

Instrument :

MSVOA_X

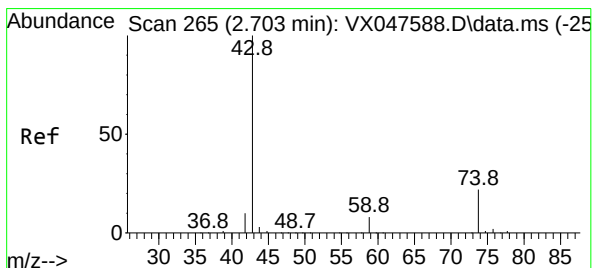
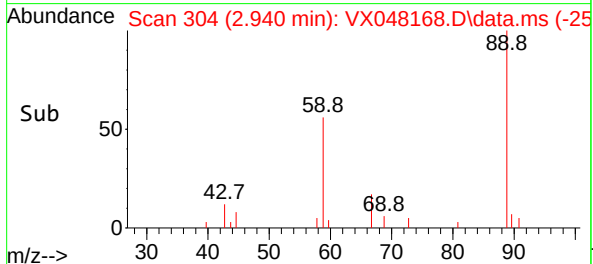
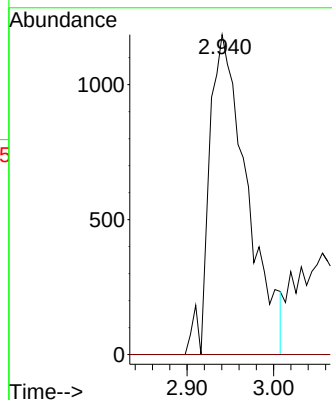
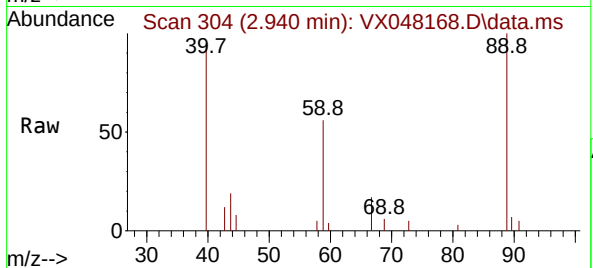
ClientSampleId :

Tgt Ion: 59 Resp: 3594

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#18

Methyl Acetate

Concen: 0.516 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX048168.D

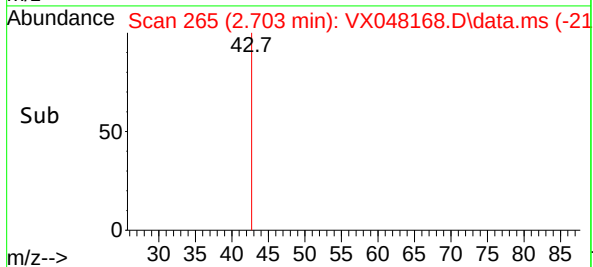
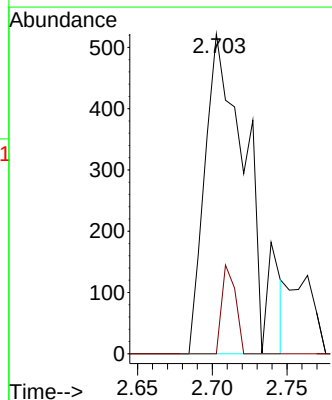
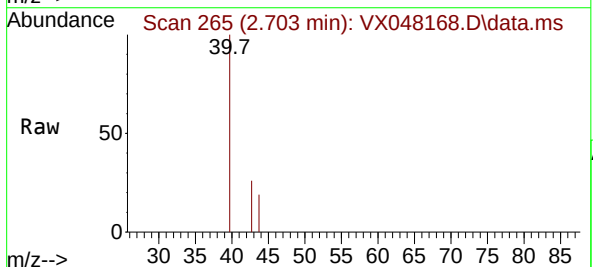
Acq: 14 Oct 2025 15:54

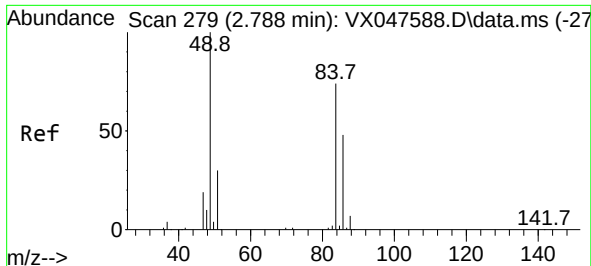
Tgt Ion: 43 Resp: 1037

Ion Ratio Lower Upper

43 100

74 8.9 17.4 26.2#

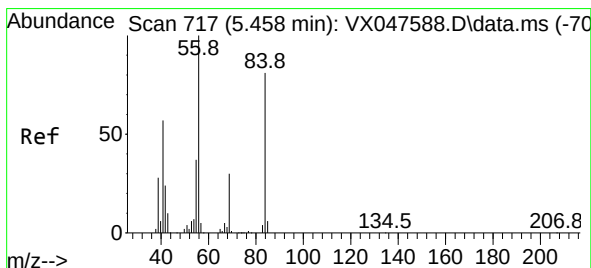
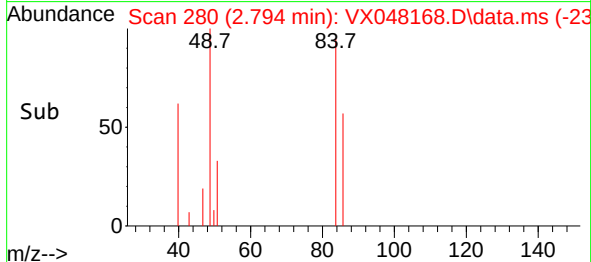
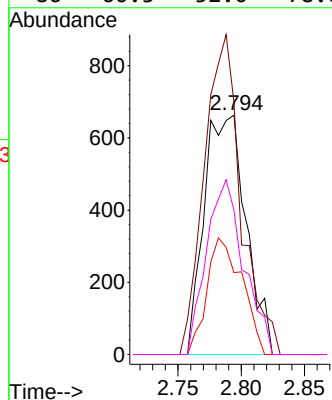
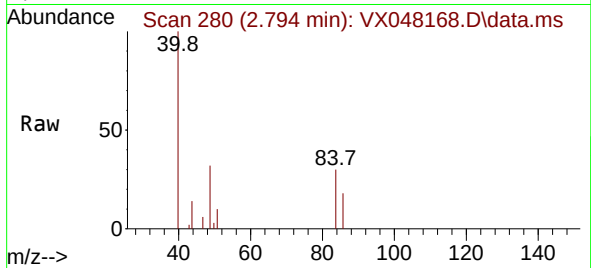




#20
Methylene Chloride
Concen: 0.796 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

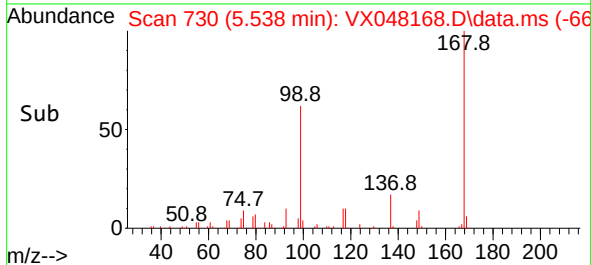
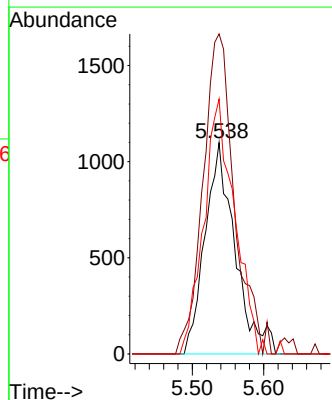
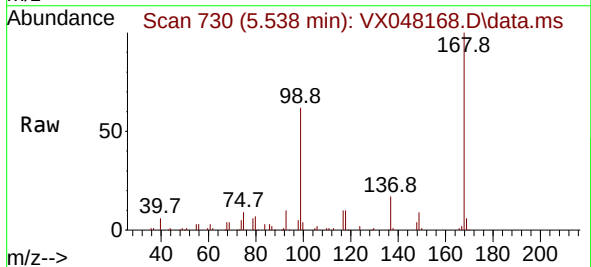
Instrument :
MSVOA_X
ClientSampleId :

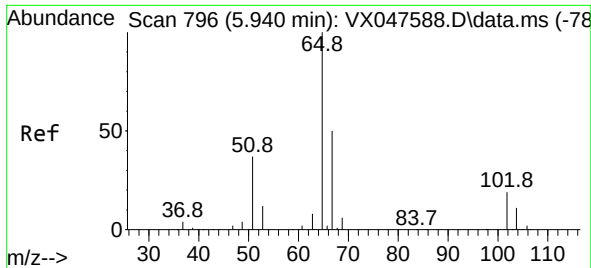
Tgt Ion: 84 Resp: 1522
Ion Ratio Lower Upper
84 100
49 105.3 108.6 162.8#
51 34.2 32.6 48.8
86 60.3 52.0 78.0



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.079 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

Tgt Ion: 56 Resp: 3205
Ion Ratio Lower Upper
56 100
69 145.9 23.8 35.8#
84 120.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 52.400 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048168.D

Acq: 14 Oct 2025 15:54

Instrument :

MSVOA_X

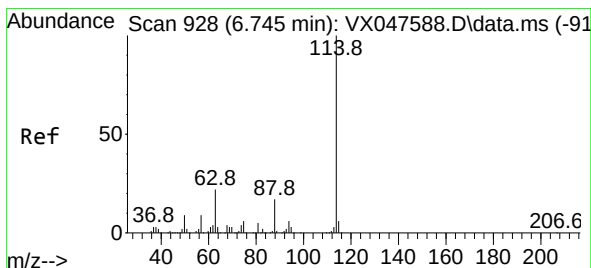
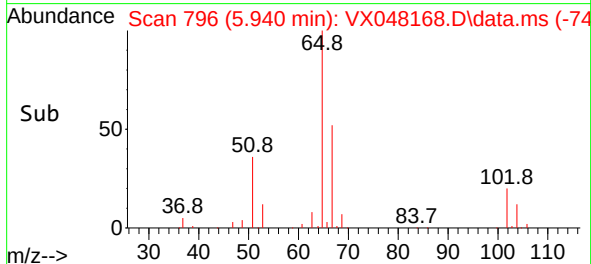
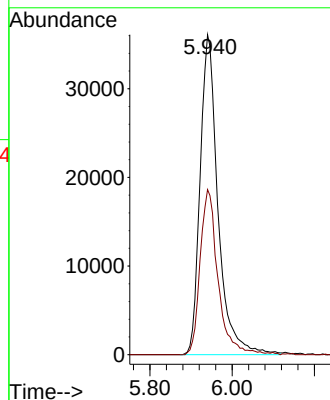
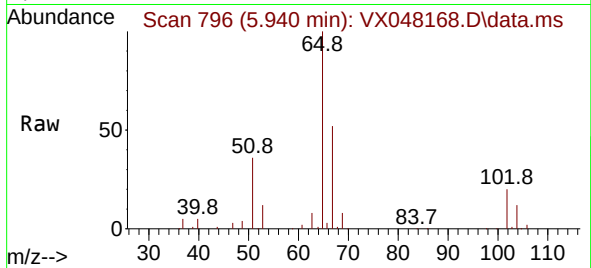
ClientSampleId :

Tgt Ion: 65 Resp: 108914

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048168.D

Acq: 14 Oct 2025 15:54

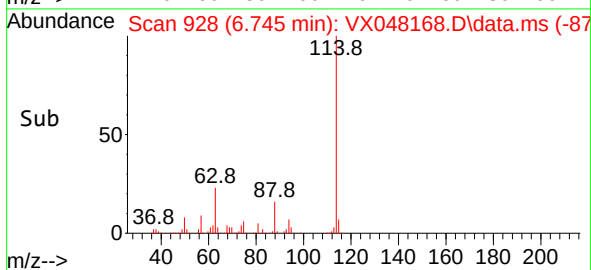
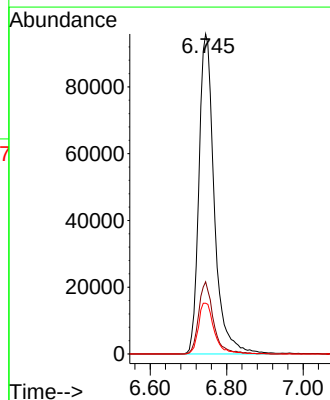
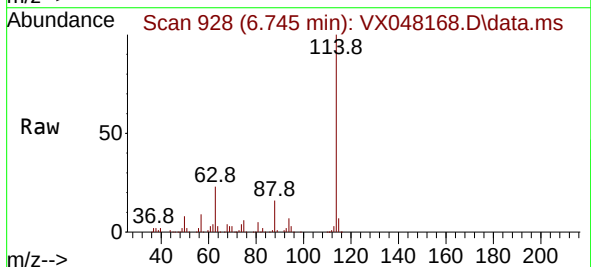
Tgt Ion: 114 Resp: 267000

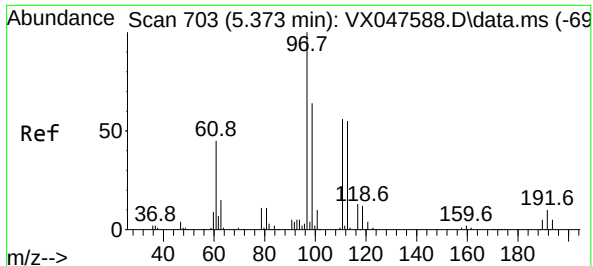
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.0

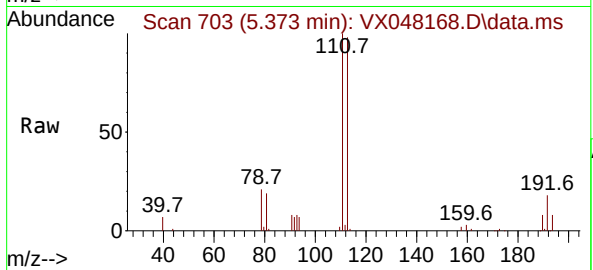
88 15.8 0.0 34.2



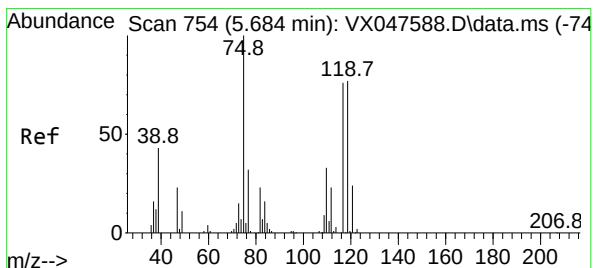
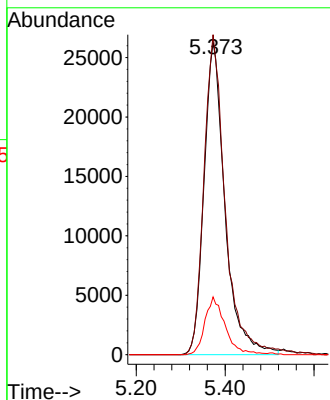
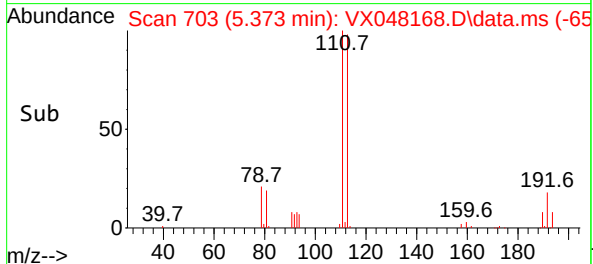


#35
Dibromofluoromethane
Concen: 48.119 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

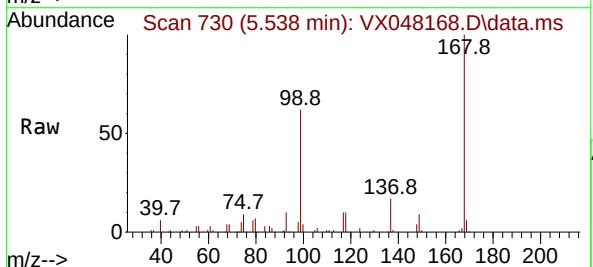
Instrument :
MSVOA_X
ClientSampleId :



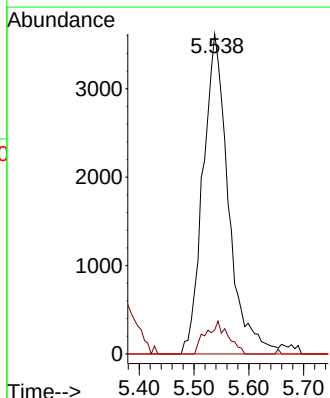
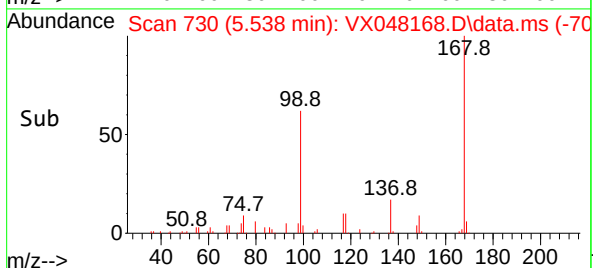
Tgt Ion:113 Resp: 86165
Ion Ratio Lower Upper
113 100
111 104.4 80.9 121.3
192 17.9 14.2 21.4

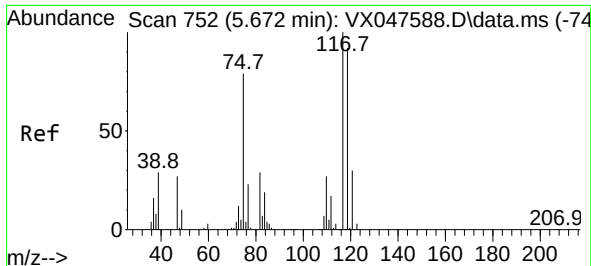


#36
1,1-Dichloropropene
Concen: 4.452 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54



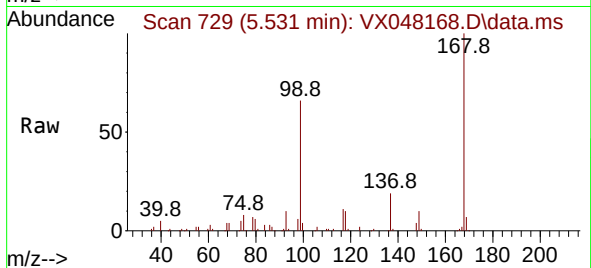
Tgt Ion: 75 Resp: 11650
Ion Ratio Lower Upper
75 100
110 8.9 16.7 50.1#
77 0.0 24.3 36.5#



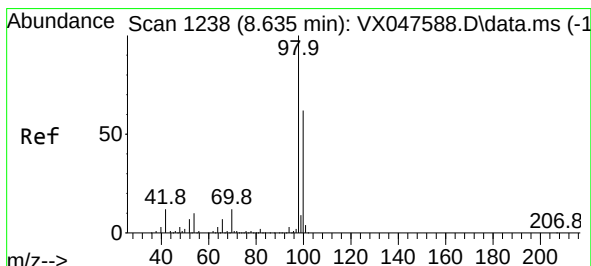
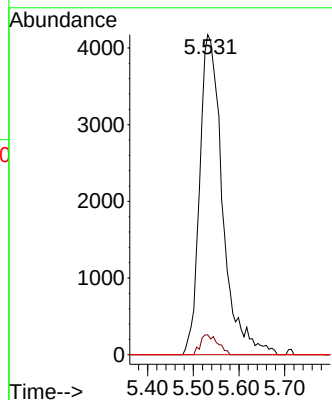
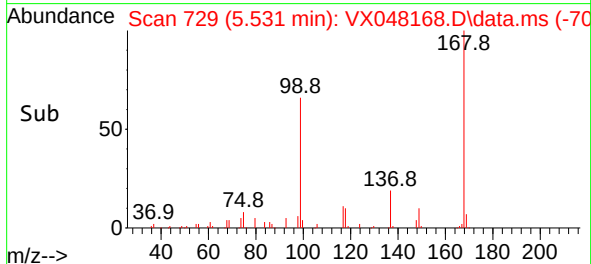


#38
Carbon Tetrachloride
Concen: 5.094 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :

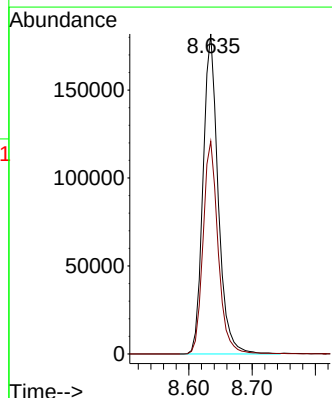
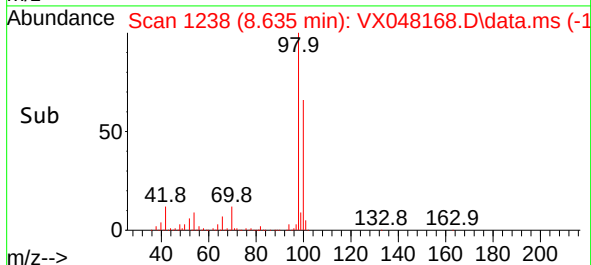
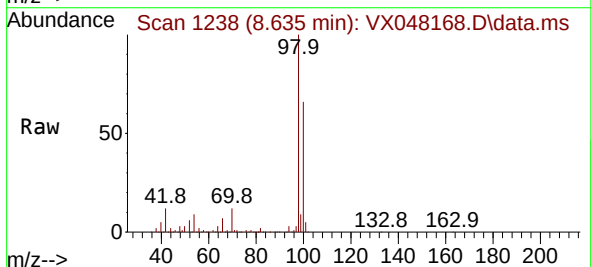


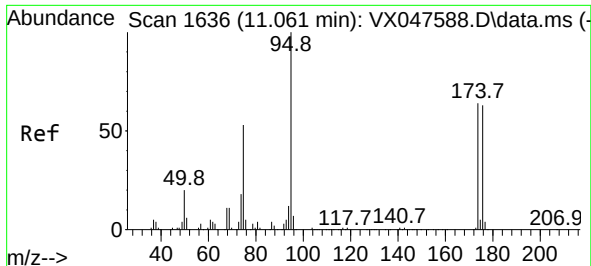
Tgt Ion:117 Resp: 14483
Ion Ratio Lower Upper
117 100
119 6.2 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.791 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

Tgt Ion: 98 Resp: 302310
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4

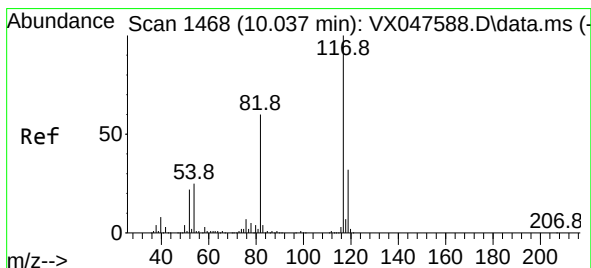
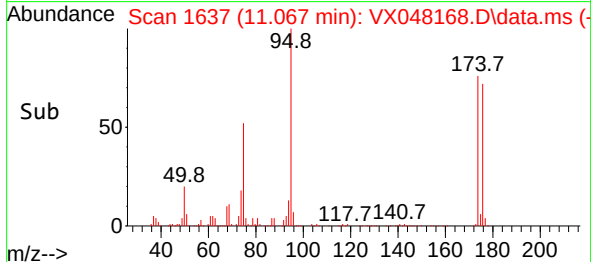
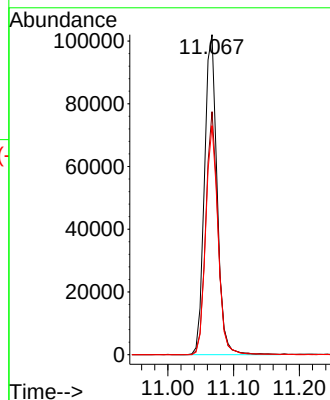
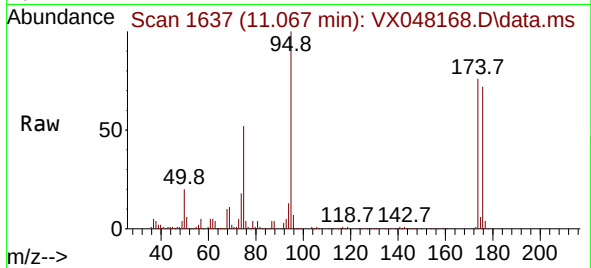




#62
4-Bromofluorobenzene
Concen: 57.928 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

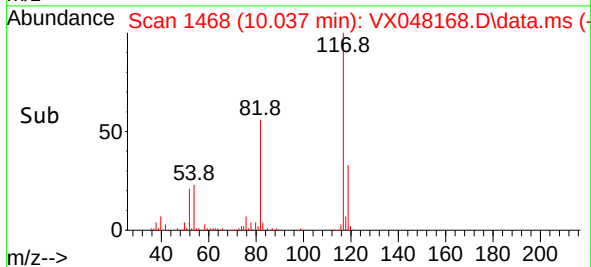
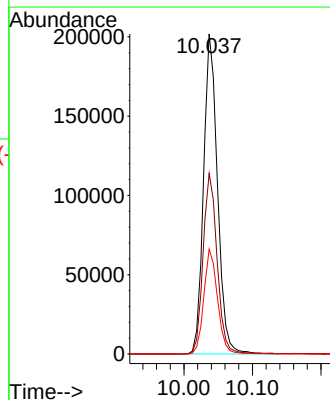
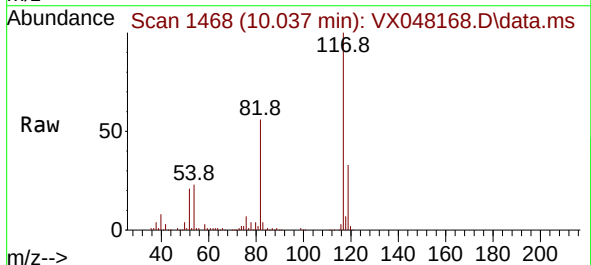
Instrument :
MSVOA_X
ClientSampleId :

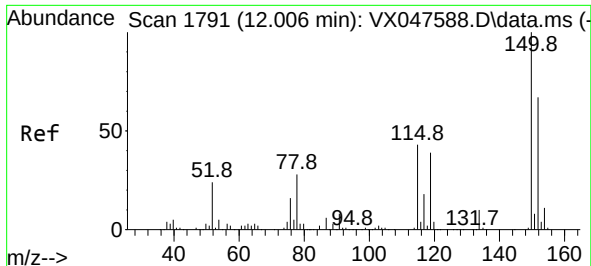
Tgt Ion: 95 Resp: 136218
Ion Ratio Lower Upper
95 100
174 73.4 0.0 141.6
176 70.0 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

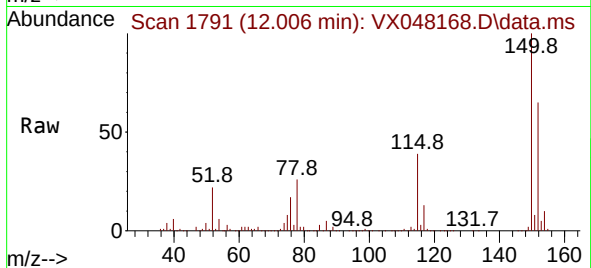
Tgt Ion: 117 Resp: 286249
Ion Ratio Lower Upper
117 100
82 56.4 47.8 71.6
119 32.7 25.2 37.8



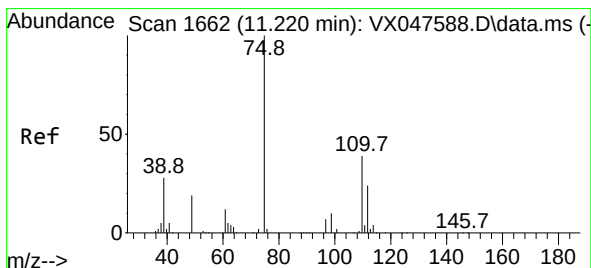
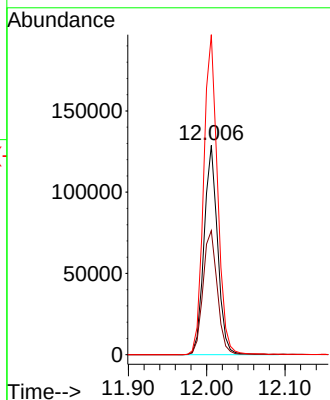
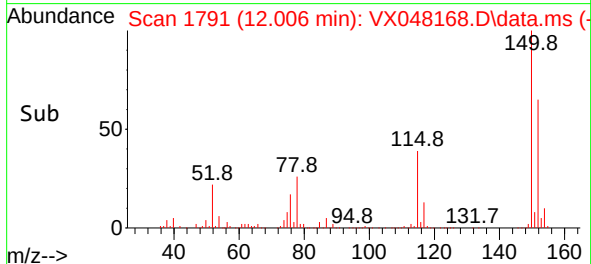


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :

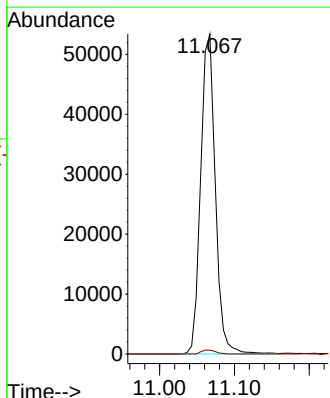
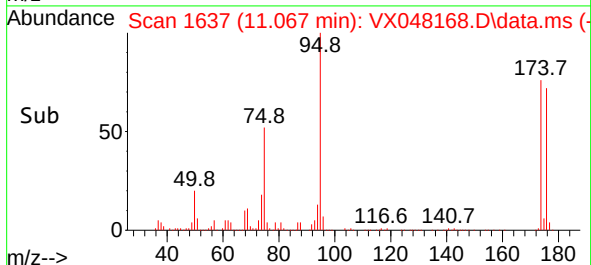
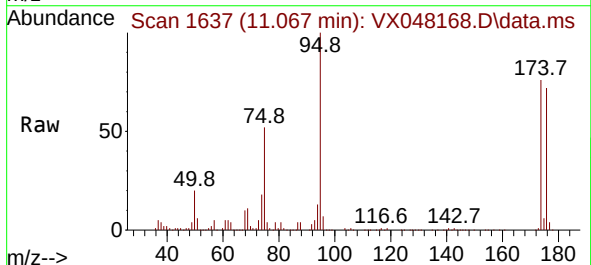


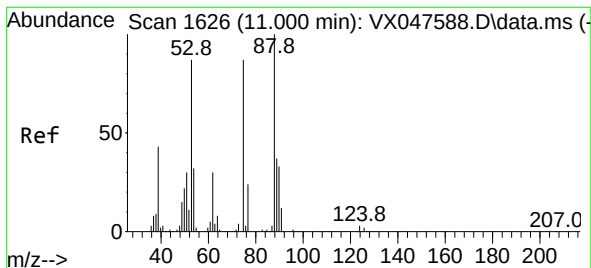
Tgt Ion:152 Resp: 154440
Ion Ratio Lower Upper
152 100
115 62.6 44.9 134.5
150 157.4 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 23.263 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.153 min
Lab File: VX048168.D
Acq: 14 Oct 2025 15:54

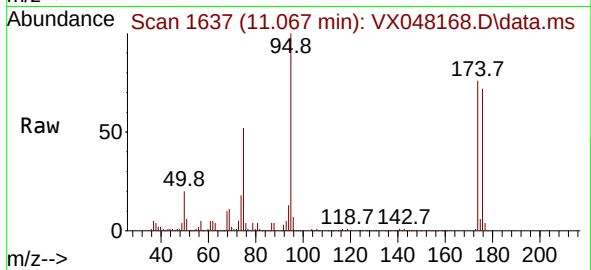
Tgt Ion: 75 Resp: 72742
Ion Ratio Lower Upper
75 100
77 1.2 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.324 ug/l
 RT: 11.067 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX048168.D
 Acq: 14 Oct 2025 15:54

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 72742
 Ion Ratio Lower Upper
 75 100
 53 0.3 83.4 125.2#
 89 0.0 36.3 54.5#

