

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048207.D
 Acq On : 17 Oct 2025 13:15
 Operator : JC/MD
 Sample : VX1017WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 18 00:16:45 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)

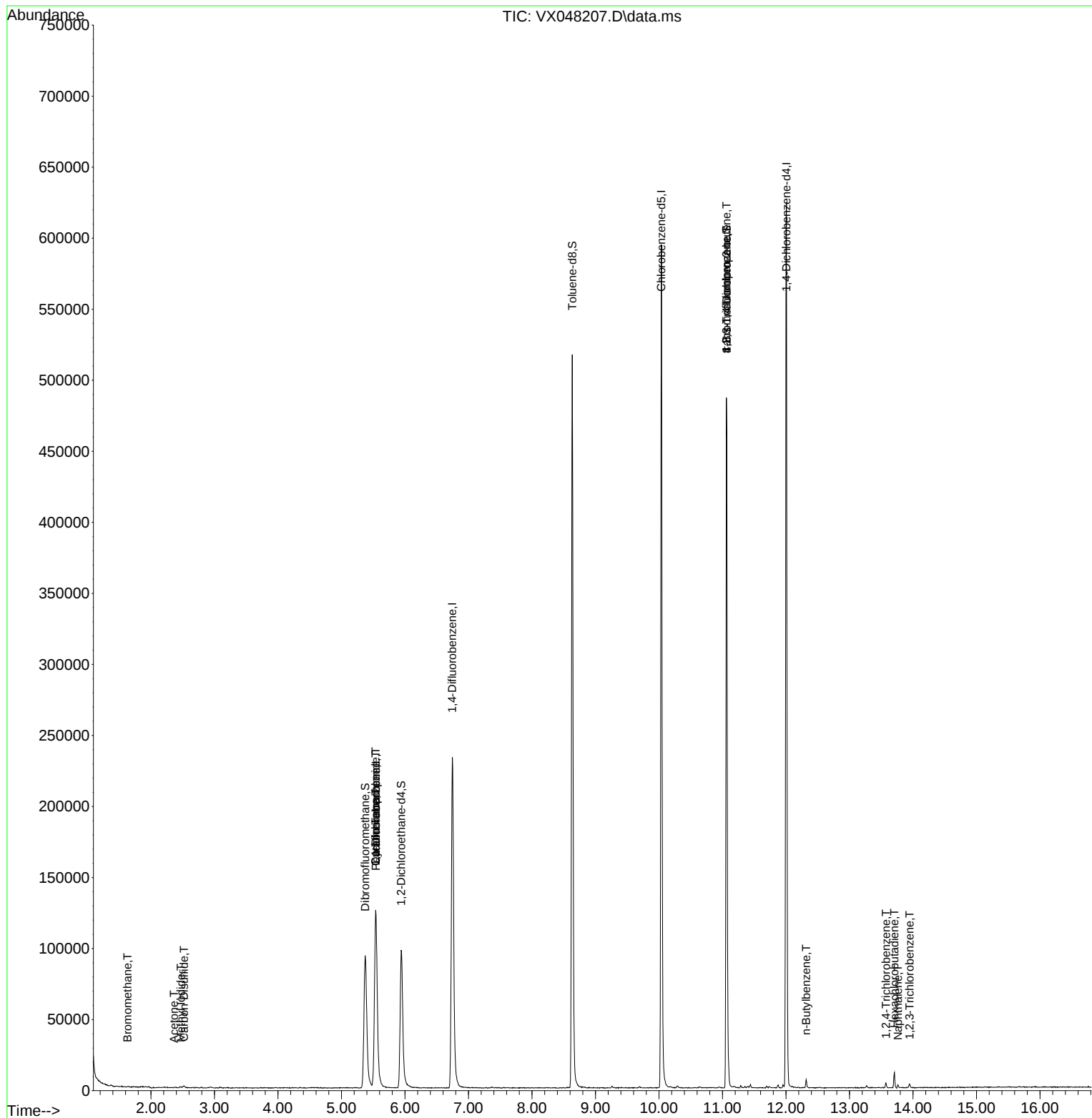
Internal Standards						
1) Pentafluorobenzene	5.544	168	129436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	259480	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	275267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	106468	53.095	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.200%
35) Dibromofluoromethane	5.373	113	92232	51.216	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.440%
50) Toluene-d8	8.635	98	324667	50.043	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.080%
62) 4-Bromofluorobenzene	11.061	95	139678	59.111	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.220%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	408	0.354	ug/l	96
10) Methyl Iodide	2.471	142	894	0.487	ug/l #	92
16) Acetone	2.361	43	203	0.297	ug/l #	45
17) Carbon Disulfide	2.520	76	1633	0.354	ug/l	97
31) Cyclohexane	5.538	56	2879	1.174	ug/l #	6
36) 1,1-Dichloropropene	5.538	75	9996	3.940	ug/l #	49
38) Carbon Tetrachloride	5.538	117	13553	4.654	ug/l #	15
76) 1,2,3-Trichloropropane	11.061	75	71071	33.493	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	71071	82.012	ug/l #	10
89) n-Butylbenzene	12.317	91	2341	0.304	ug/l	94
93) 1,2,4-Trichlorobenzene	13.573	180	1145	0.454	ug/l	91
94) Hexachlorobutadiene	13.707	225	1492	1.533	ug/l	98
95) Naphthalene	13.762	128	1737	0.261	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.945	180	899	0.386	ug/l	94

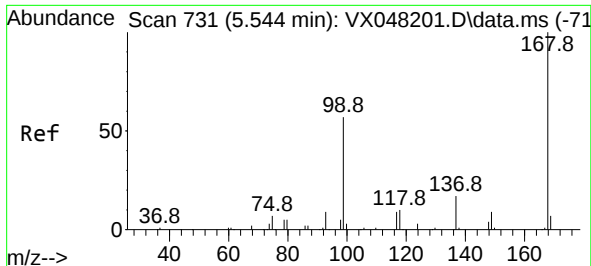
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.544 min Scan# 71

Delta R.T. -0.000 min

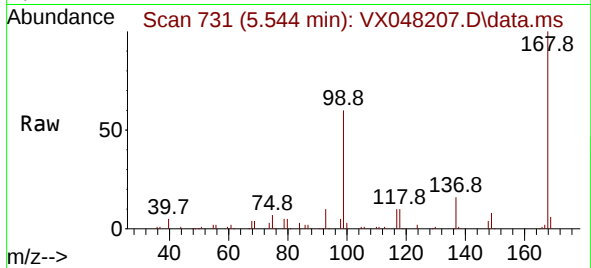
Lab File: VX048207.D

Acq: 17 Oct 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

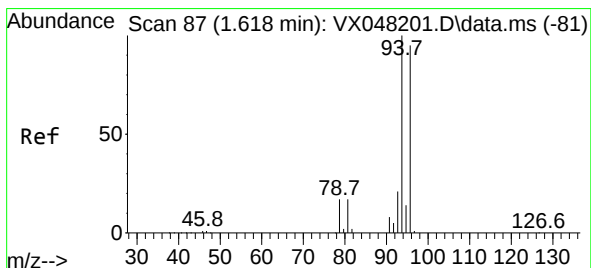
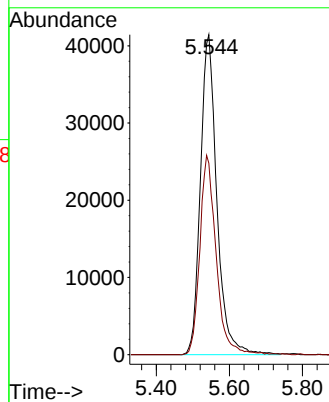
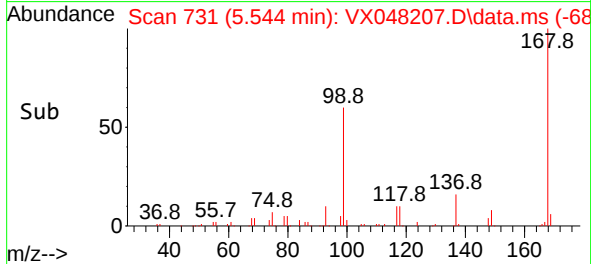


Tgt Ion:168 Resp: 129436

Ion Ratio Lower Upper

168 100

99 59.9 46.4 69.6



#5

Bromomethane

Concen: 0.354 ug/l

RT: 1.630 min Scan# 89

Delta R.T. 0.012 min

Lab File: VX048207.D

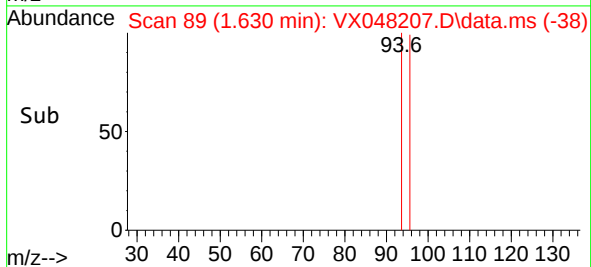
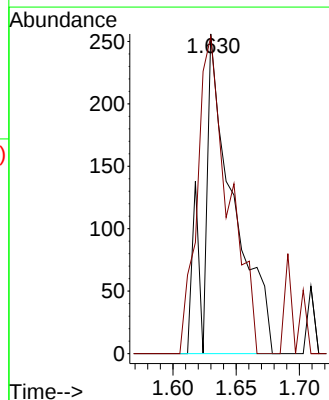
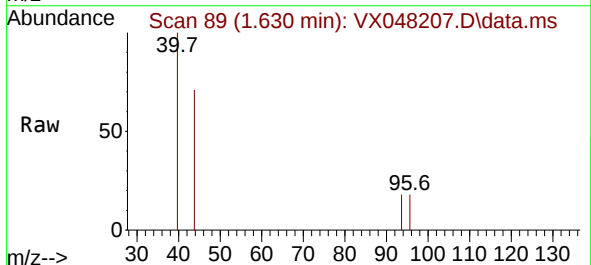
Acq: 17 Oct 2025 13:15

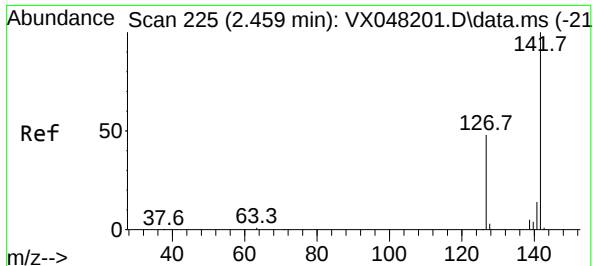
Tgt Ion: 94 Resp: 408

Ion Ratio Lower Upper

94 100

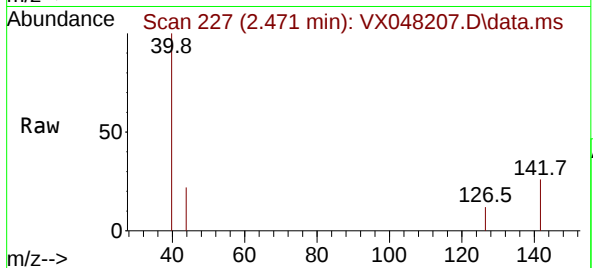
96 99.2 76.0 114.0



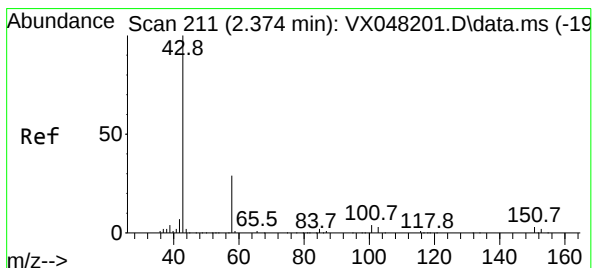
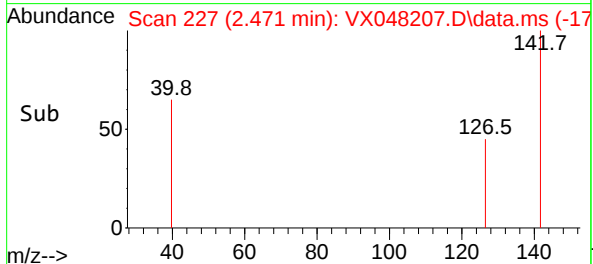
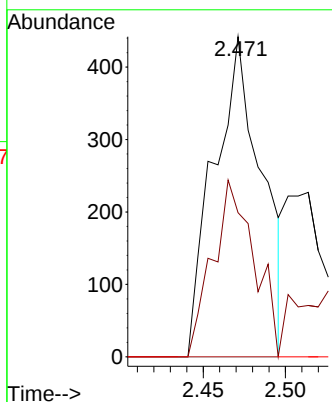


#10
Methyl Iodide
Concen: 0.487 ug/l
RT: 2.471 min Scan# 210
Delta R.T. 0.012 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :

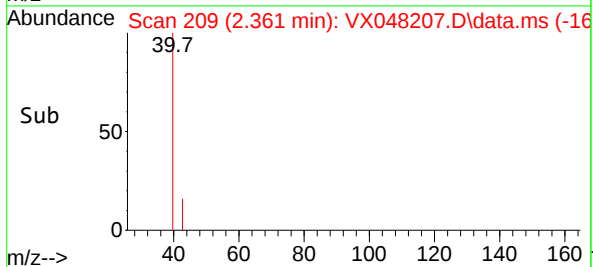
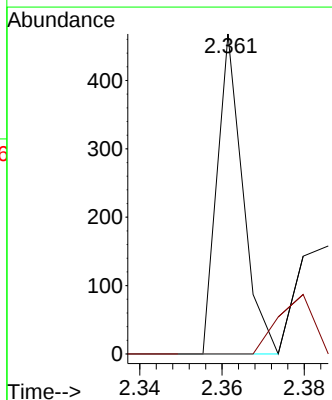
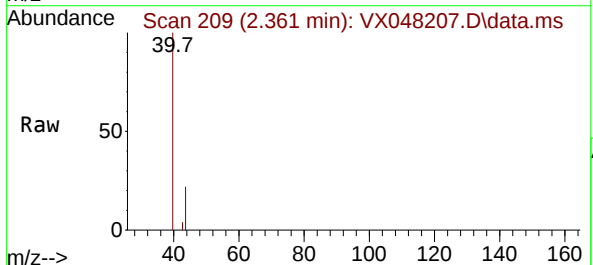


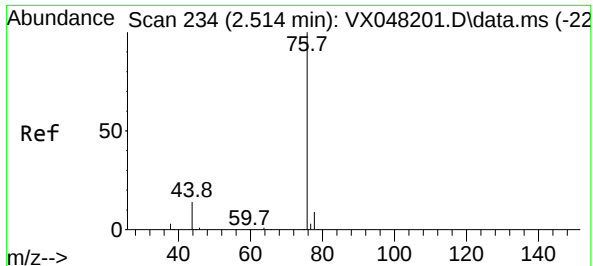
Tgt Ion:142 Resp: 894
Ion Ratio Lower Upper
142 100
127 47.9 38.5 57.7
141 0.0 11.6 17.4#



#16
Acetone
Concen: 0.297 ug/l
RT: 2.361 min Scan# 209
Delta R.T. -0.012 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.2#





#17

Carbon Disulfide

Concen: 0.354 ug/l

RT: 2.520 min Scan# 21

Delta R.T. 0.006 min

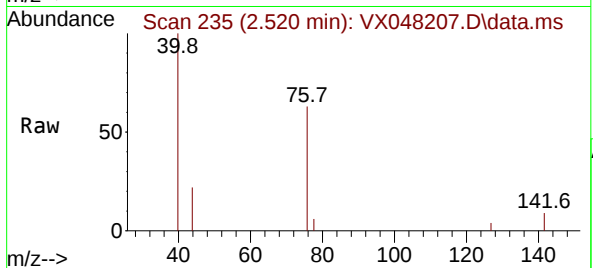
Lab File: VX048207.D

Acq: 17 Oct 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

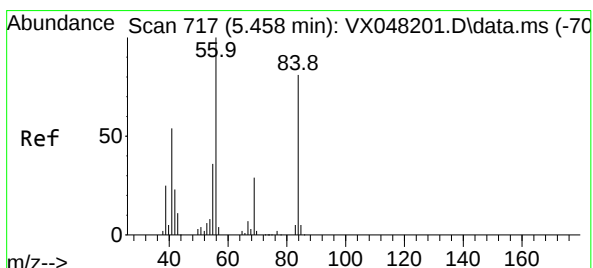
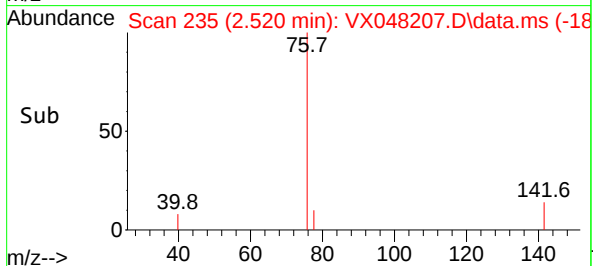
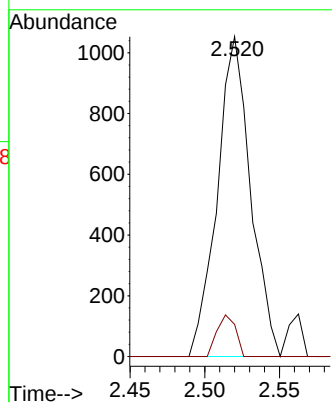


Tgt Ion: 76 Resp: 1633

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX048207.D

Acq: 17 Oct 2025 13:15

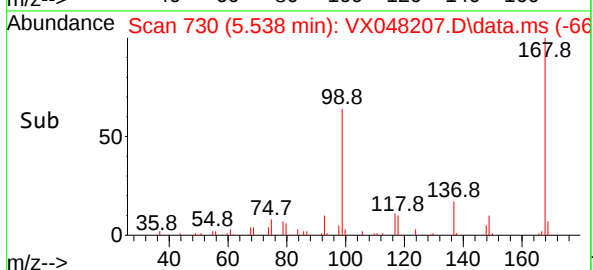
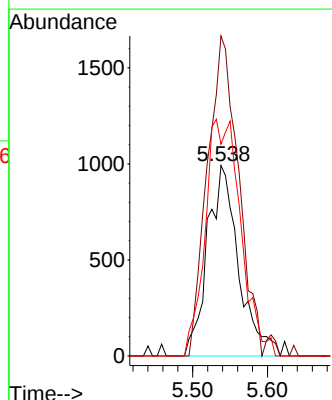
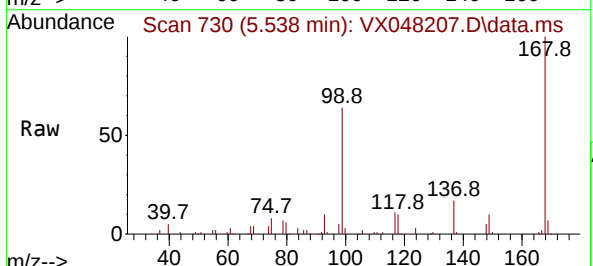
Tgt Ion: 56 Resp: 2879

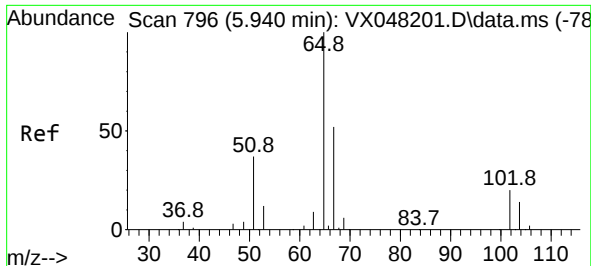
Ion Ratio Lower Upper

56 100

69 168.1 23.0 34.6#

84 111.2 64.6 97.0#

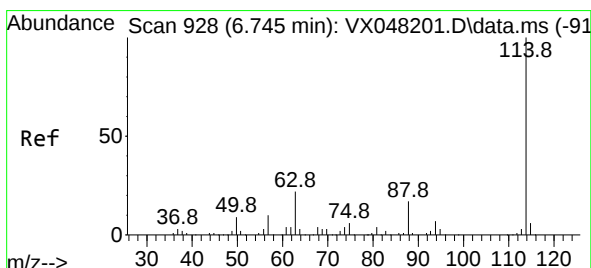
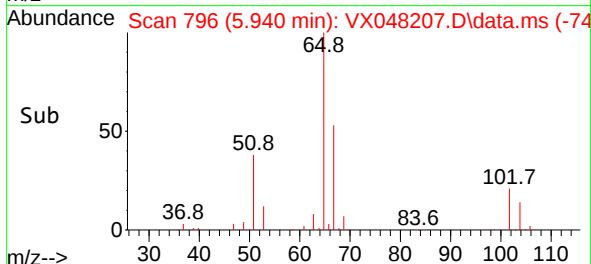
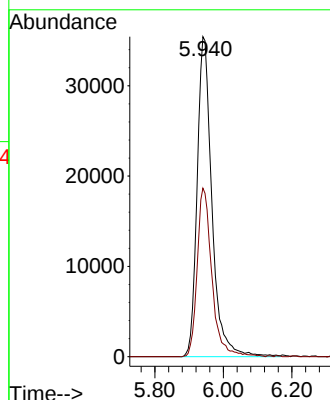
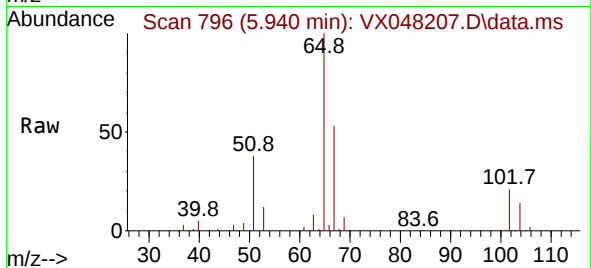




#33
 1,2-Dichloroethane-d4
 Concen: 53.095 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048207.D
 Acq: 17 Oct 2025 13:15

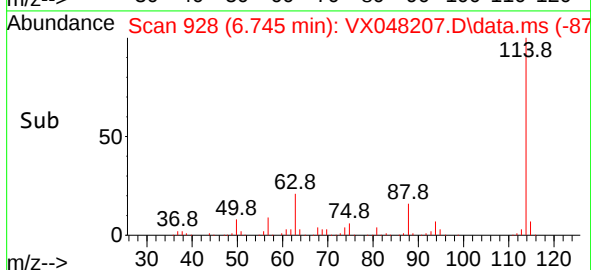
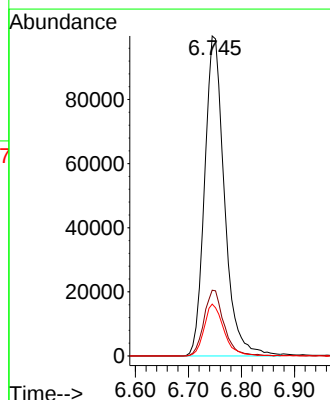
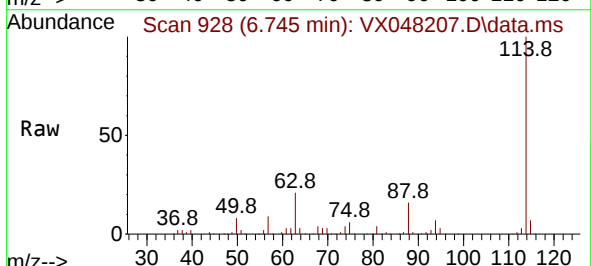
Instrument :
 MSVOA_X
 ClientSampleId :

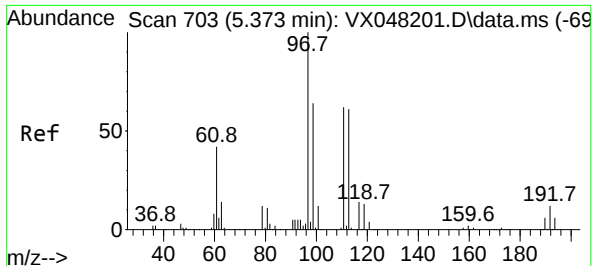
Tgt Ion: 65 Resp: 106468
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX048207.D
 Acq: 17 Oct 2025 13:15

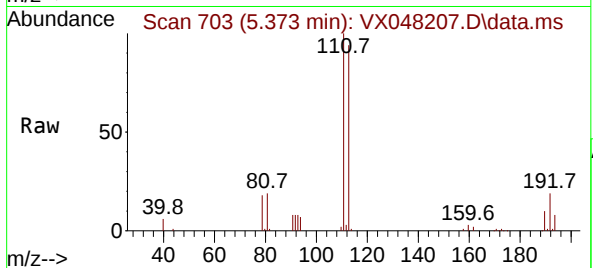
Tgt Ion: 114 Resp: 259480
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.2
 88 16.2 0.0 33.6



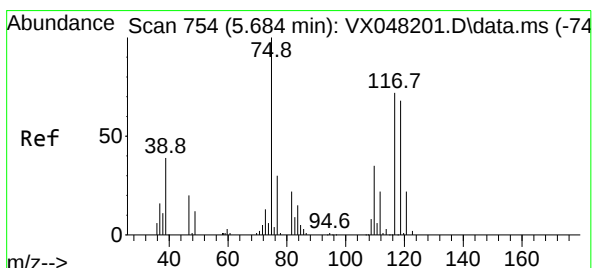
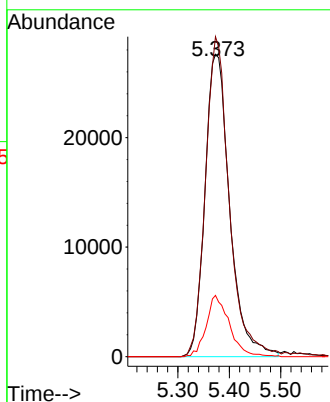
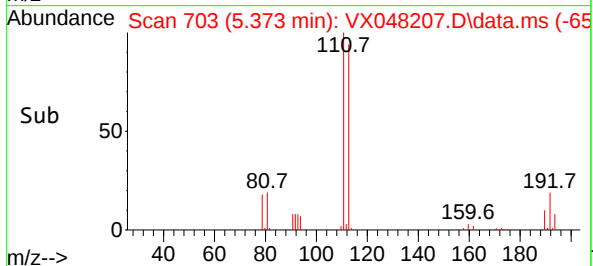


#35
Dibromofluoromethane
Concen: 51.216 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

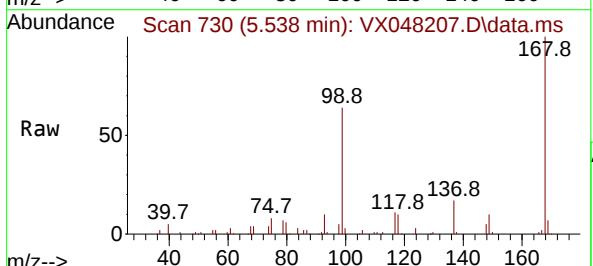
Instrument :
MSVOA_X
ClientSampleId :



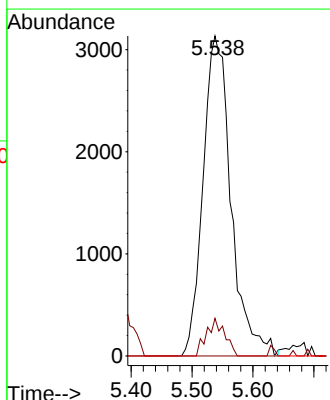
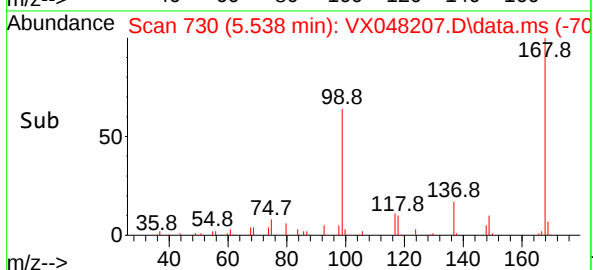
Tgt Ion:113 Resp: 92232
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 19.0 15.1 22.7

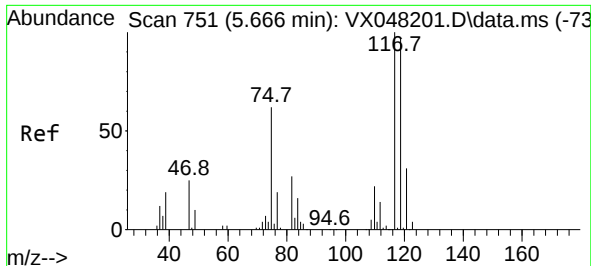


#36
1,1-Dichloropropene
Concen: 3.940 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15



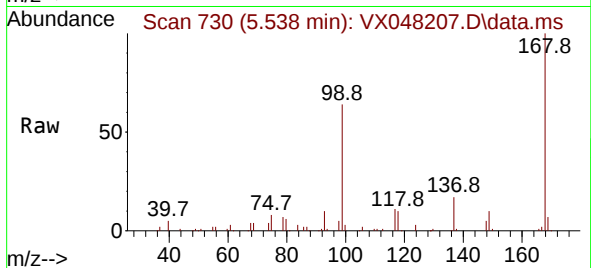
Tgt Ion: 75 Resp: 9996
Ion Ratio Lower Upper
75 100
110 7.6 17.7 53.1#
77 0.0 24.3 36.5#



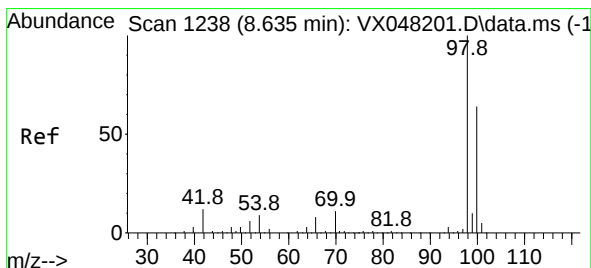
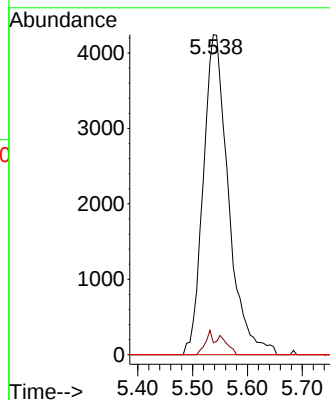
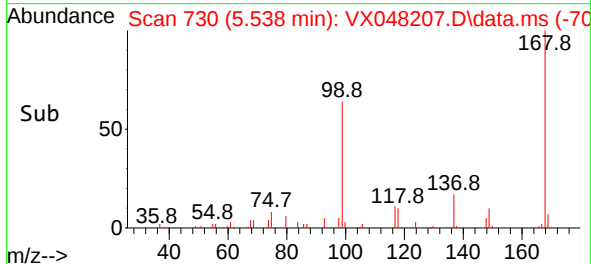


#38
Carbon Tetrachloride
Concen: 4.654 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :

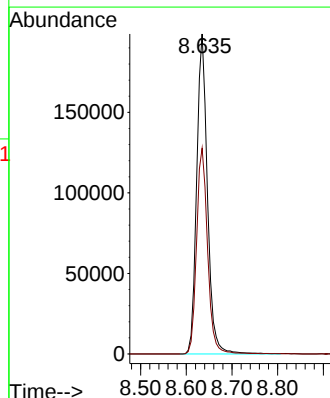
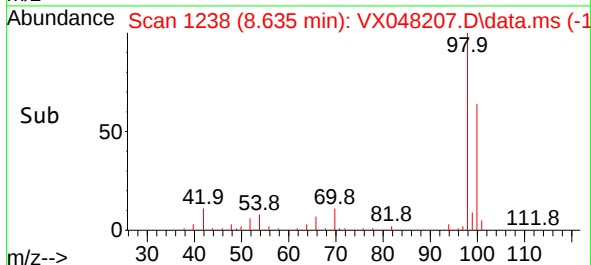
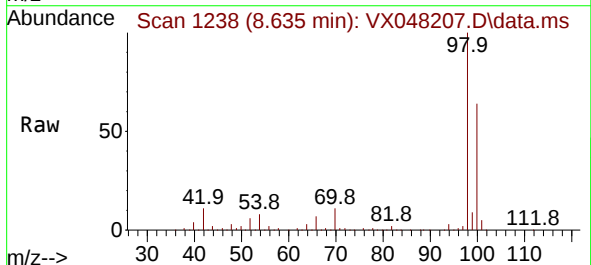


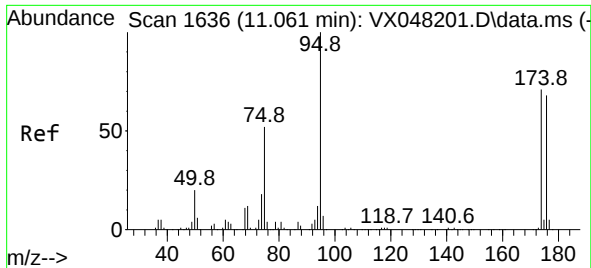
Tgt Ion:117 Resp: 13553
Ion Ratio Lower Upper
117 100
119 3.7 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.043 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Tgt Ion: 98 Resp: 324667
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4

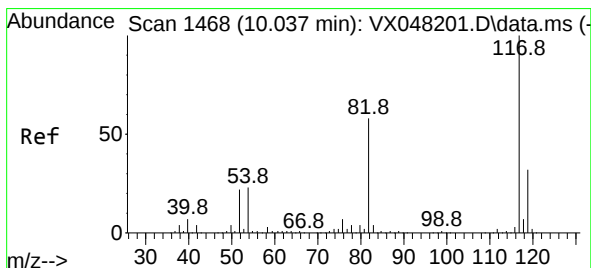
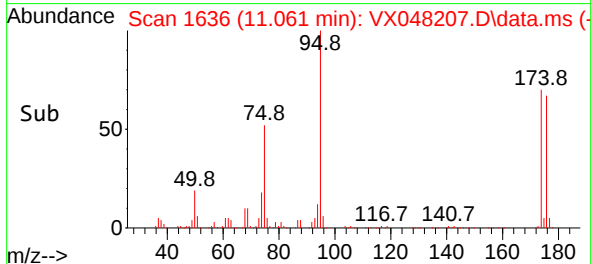
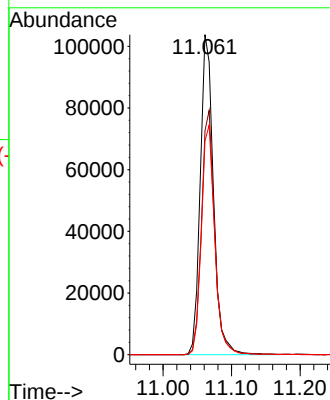
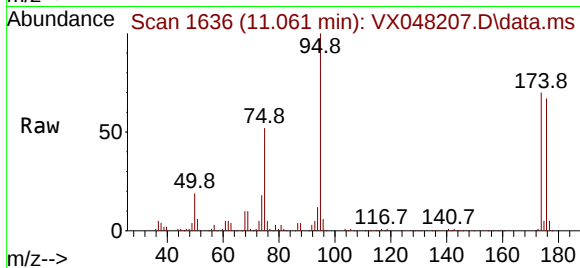




#62
4-Bromofluorobenzene
Concen: 59.111 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

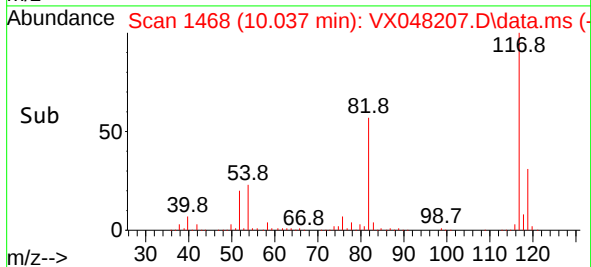
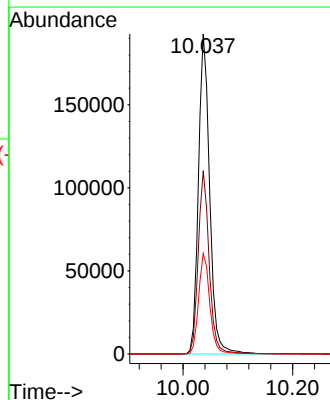
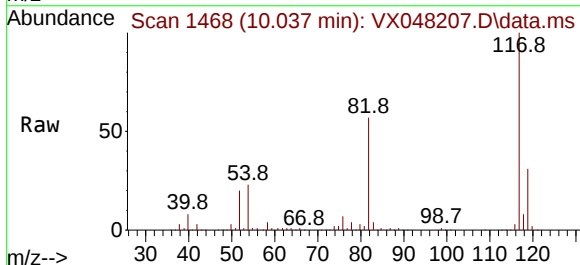
Instrument :
MSVOA_X
ClientSampleId :

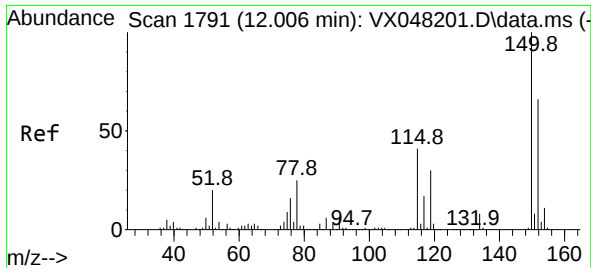
Tgt Ion: 95 Resp: 139678
Ion Ratio Lower Upper
95 100
174 75.9 0.0 147.8
176 72.6 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Tgt Ion: 117 Resp: 275267
Ion Ratio Lower Upper
117 100
82 57.3 46.5 69.7
119 31.4 25.9 38.9

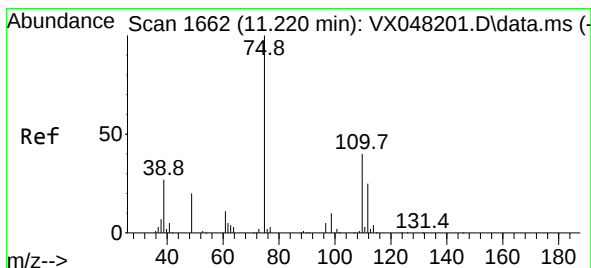
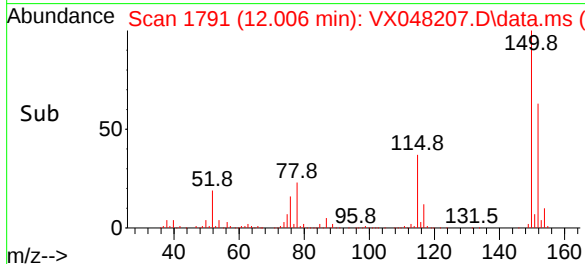
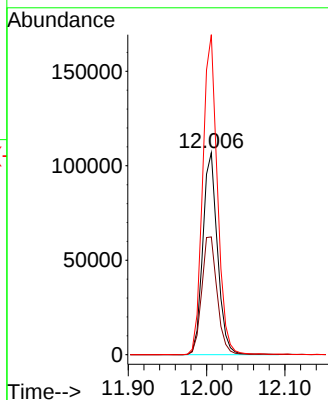
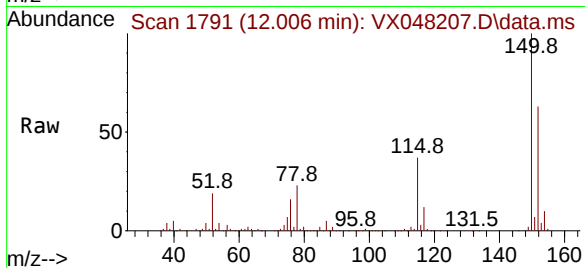




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX048207.D
 Acq: 17 Oct 2025 13:15

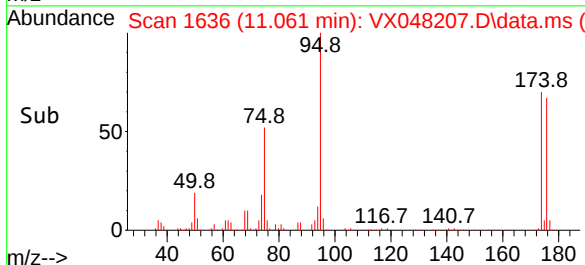
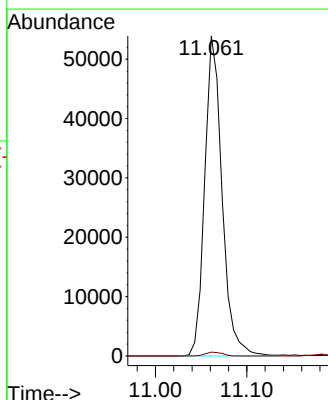
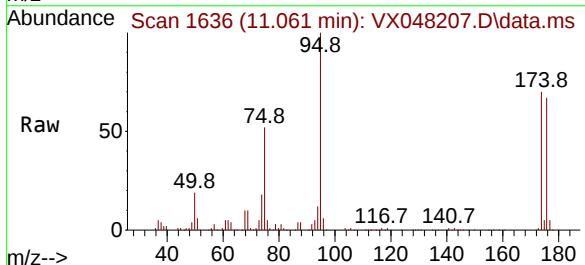
Instrument :
 MSVOA_X
 ClientSampleId :

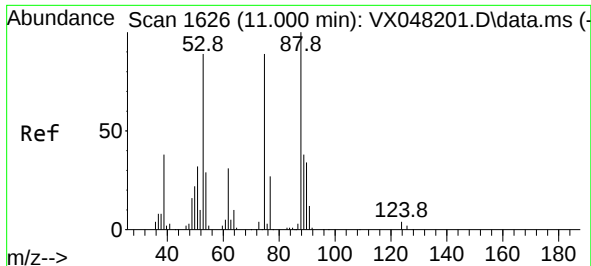
Tgt Ion:152 Resp: 138959
 Ion Ratio Lower Upper
 152 100
 115 61.3 43.1 129.4
 150 158.5 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 33.493 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX048207.D
 Acq: 17 Oct 2025 13:15

Tgt Ion: 75 Resp: 71071
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.4 67.2#

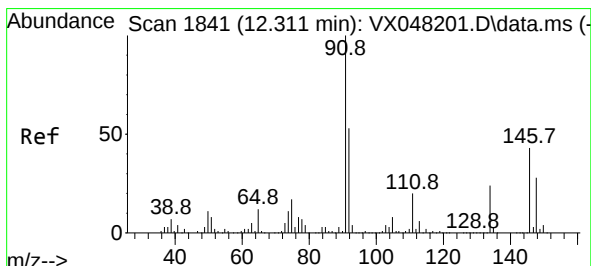
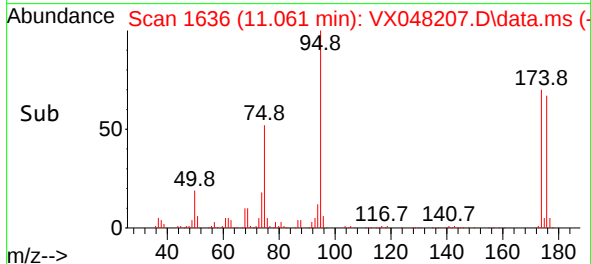
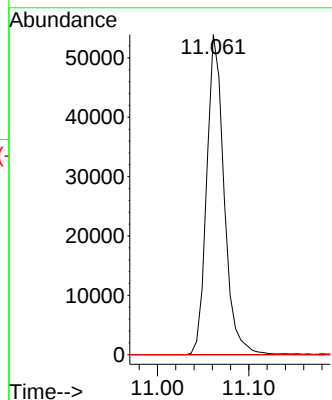
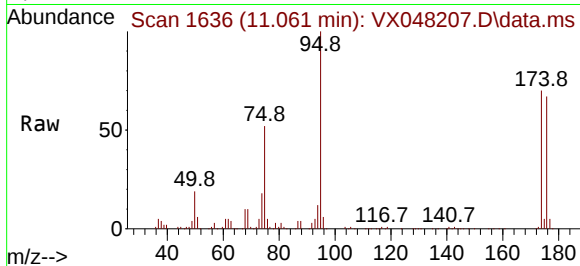




#81
trans-1,4-Dichloro-2-butene
Concen: 82.012 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

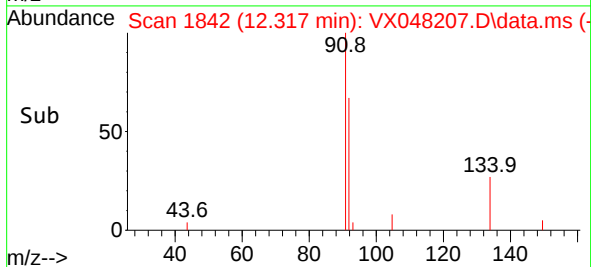
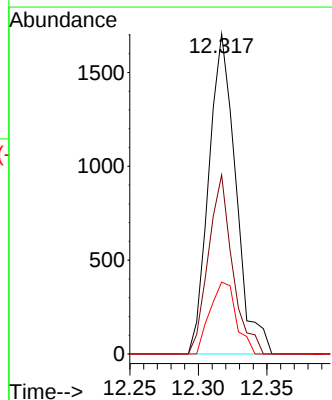
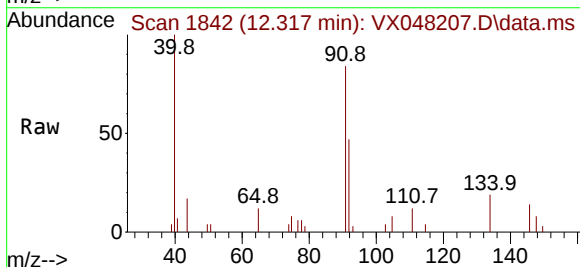
Instrument :
MSVOA_X
ClientSampleId :

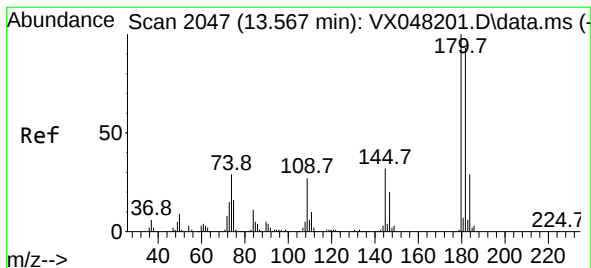
Tgt Ion: 75 Resp: 71071
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#89
n-Butylbenzene
Concen: 0.304 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Tgt Ion: 91 Resp: 2341
Ion Ratio Lower Upper
91 100
92 50.0 26.9 80.6
134 21.8 12.7 38.1





#93

1,2,4-Trichlorobenzene

Concen: 0.454 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048207.D

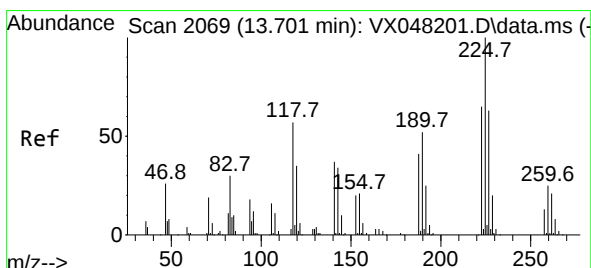
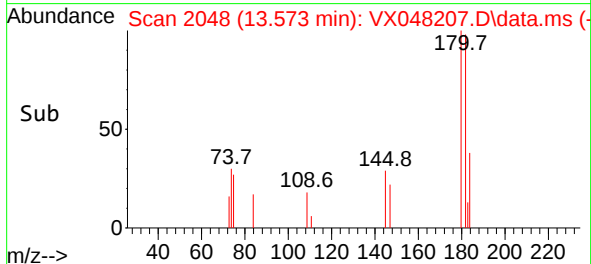
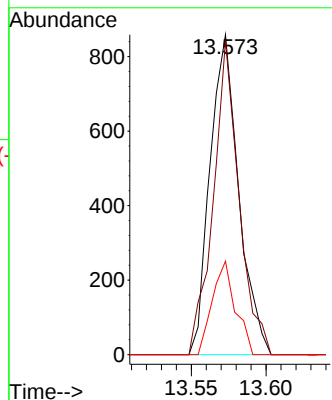
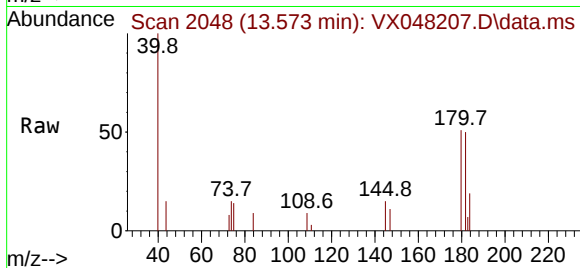
Acq: 17 Oct 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	1145
Ion Ratio	Lower	Upper
180	100	
182	88.1	47.3 142.0
145	23.6	16.3 48.9



#94

Hexachlorobutadiene

Concen: 1.533 ug/l

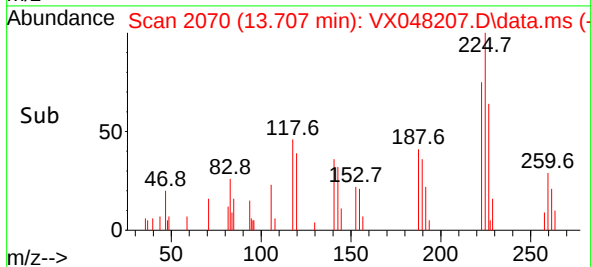
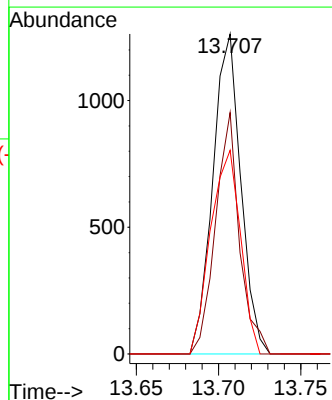
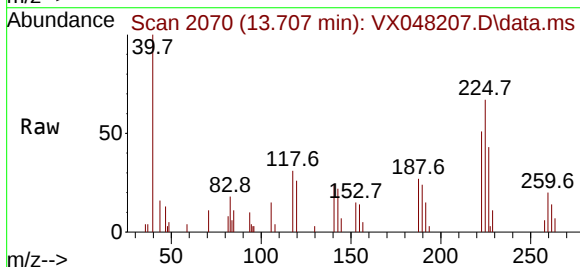
RT: 13.707 min Scan# 2070

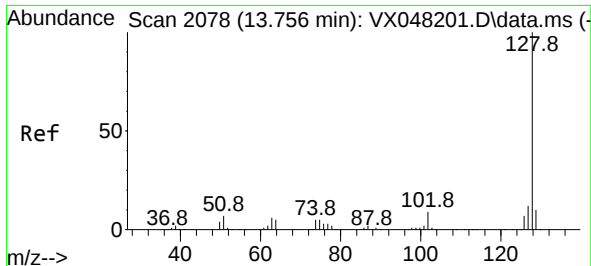
Delta R.T. 0.006 min

Lab File: VX048207.D

Acq: 17 Oct 2025 13:15

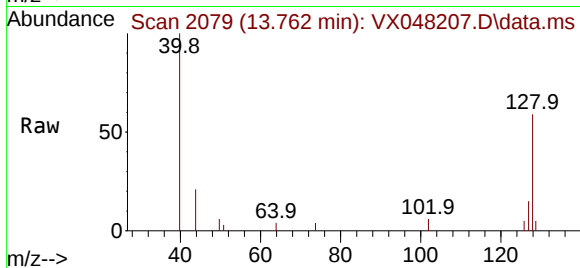
Tgt Ion:225	Resp:	1492
Ion Ratio	Lower	Upper
225	100	
223	64.9	32.6 97.7
227	68.0	32.5 97.4



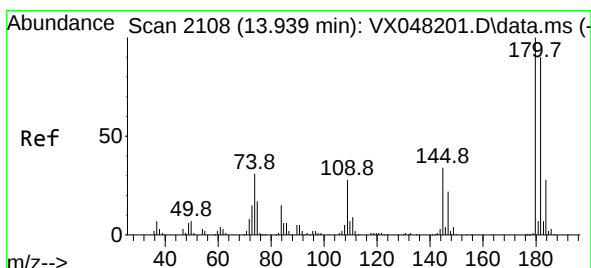
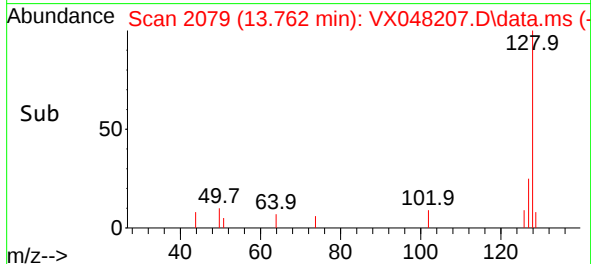
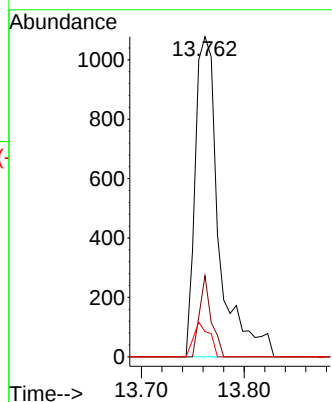


#95
Naphthalene
Concen: 0.261 ug/l
RT: 13.762 min Scan# 2078
Delta R.T. 0.006 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1737
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 7.1 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.386 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Tgt Ion:180 Resp: 899
Ion Ratio Lower Upper
180 100
182 89.7 46.6 139.7
145 26.9 16.9 50.7

