

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046759.D
 Acq On : 19 Jun 2025 10:12
 Operator : JC/MD
 Sample : VX0619MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619MBL01

Quant Time: Jun 20 05:15:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

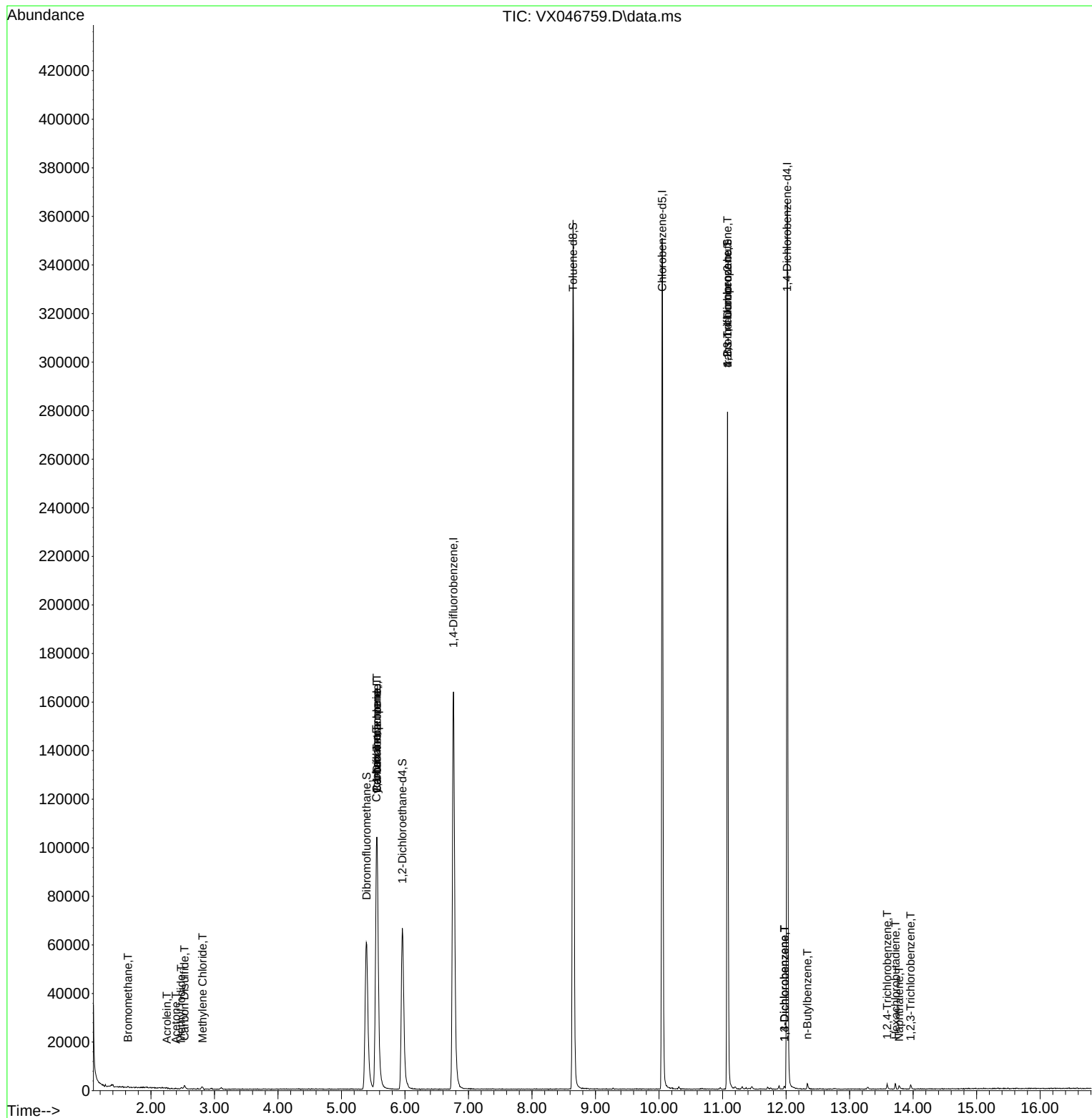
Internal Standards						
1) Pentafluorobenzene	5.556	168	109261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180416	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	159921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70127	46.403	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.800%		
35) Dibromofluoromethane	5.397	113	59390	49.753	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.500%		
50) Toluene-d8	8.647	98	216339	50.445	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.880%		
62) 4-Bromofluorobenzene	11.079	95	76583	47.905	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.800%		
Target Compounds						Qvalue
5) Bromomethane	1.636	94	322	0.426	ug/l	92
10) Methyl Iodide	2.477	142	849	4.829	ug/l #	95
13) Acrolein	2.252	56	76	0.385	ug/l #	7
16) Acetone	2.392	43	333	0.661	ug/l #	44
17) Carbon Disulfide	2.526	76	1785	0.490	ug/l #	86
20) Methylene Chloride	2.813	84	497	0.355	ug/l #	86
31) Cyclohexane	5.550	56	2281	1.008	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	8712	5.056	ug/l #	48
38) Carbon Tetrachloride	5.556	117	11057	5.913	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	39616	28.874	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	39616	81.615	ug/l #	7
87) 1,3-Dichlorobenzene	11.976	146	545	0.211	ug/l	94
88) 1,4-Dichlorobenzene	11.976	146	545	0.205	ug/l	93
89) n-Butylbenzene	12.335	91	1160	0.244	ug/l	76
93) 1,2,4-Trichlorobenzene	13.591	180	694	0.404	ug/l	91
94) Hexachlorobutadiene	13.725	225	430	0.594	ug/l	95
95) Naphthalene	13.780	128	1714	0.350	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.963	180	749	0.455	ug/l	92

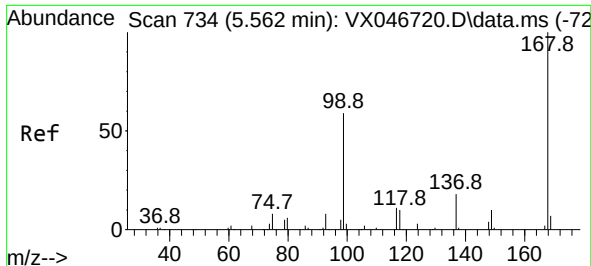
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
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Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

Quant Time: Jun 20 05:15:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

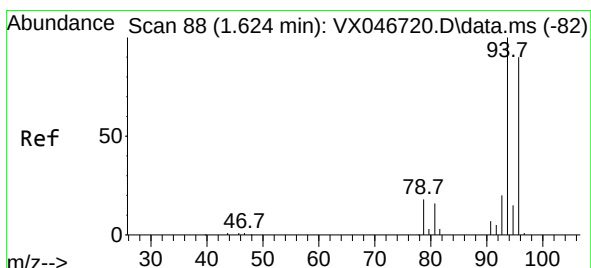
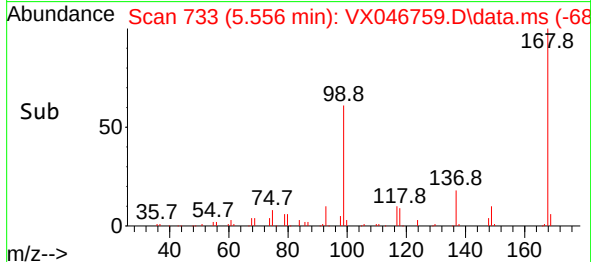
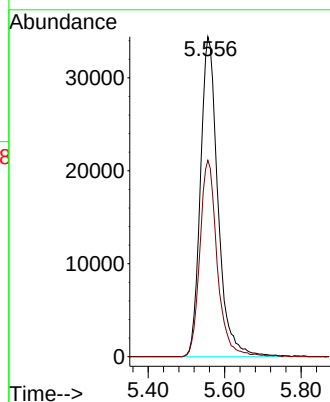
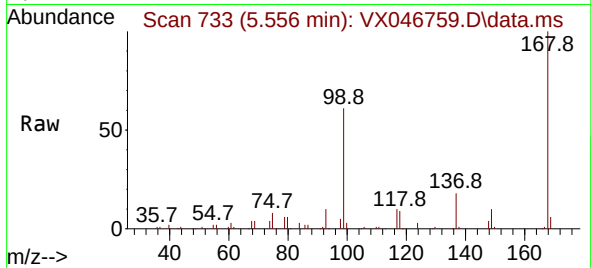




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

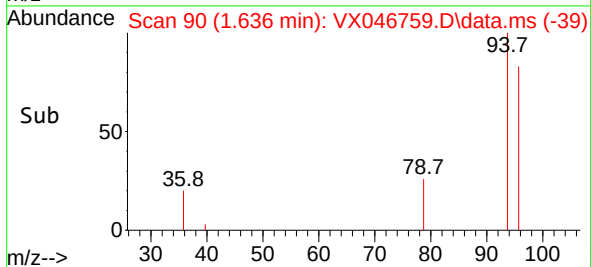
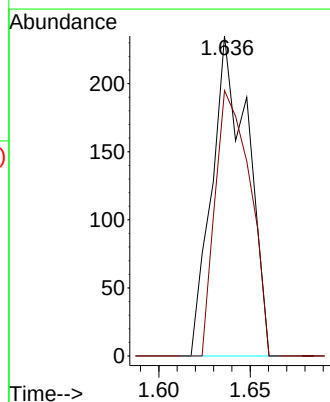
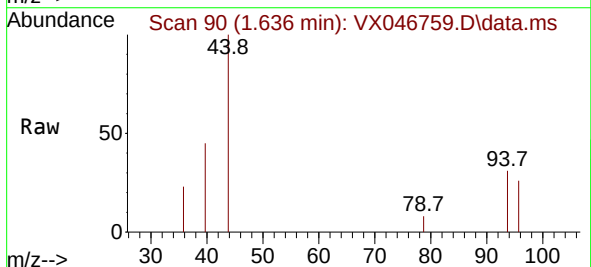
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

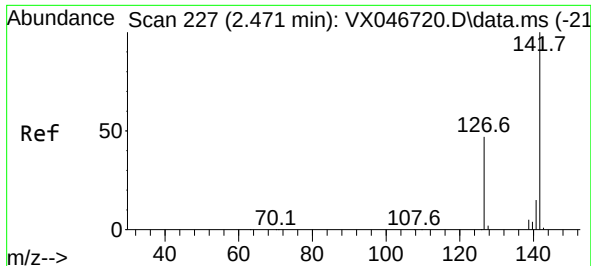
Tgt Ion:168 Resp: 109261
Ion Ratio Lower Upper
168 100
99 61.4 48.5 72.7



#5
Bromomethane
Concen: 0.426 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

Tgt Ion: 94 Resp: 322
Ion Ratio Lower Upper
94 100
96 83.0 72.3 108.5

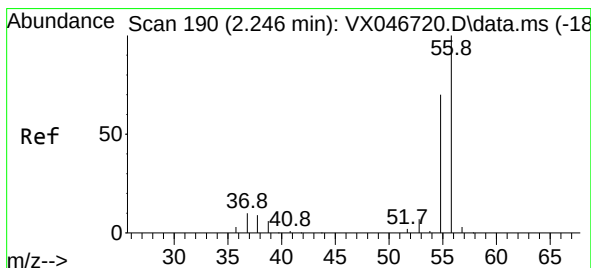
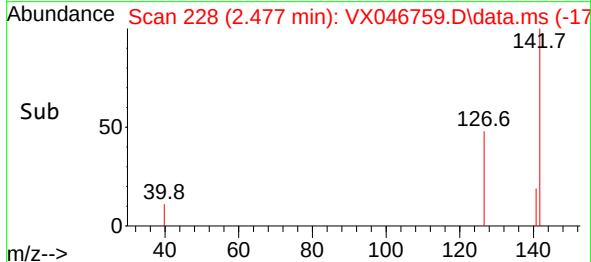
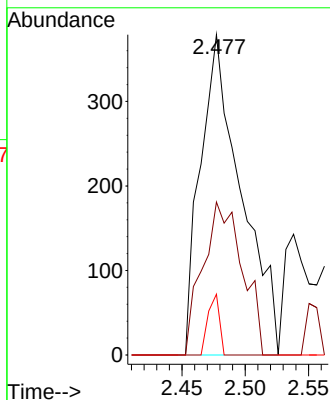
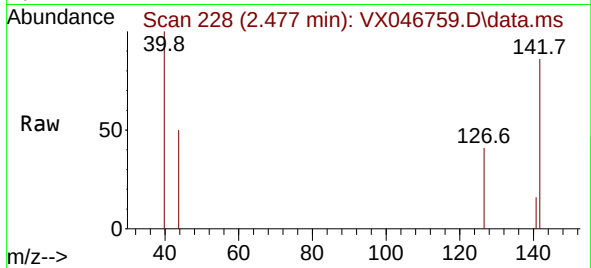




#10
Methyl Iodide
Concen: 4.829 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

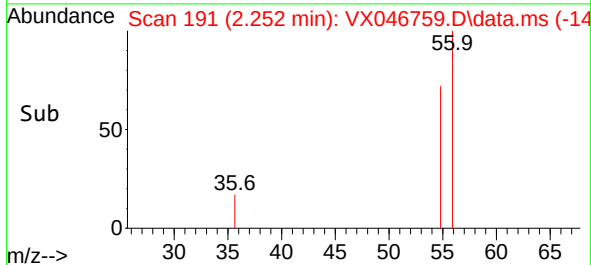
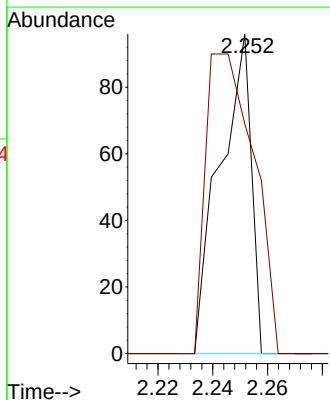
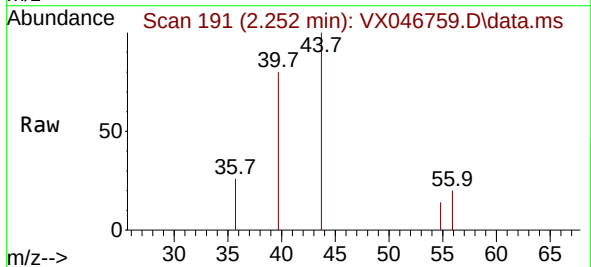
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

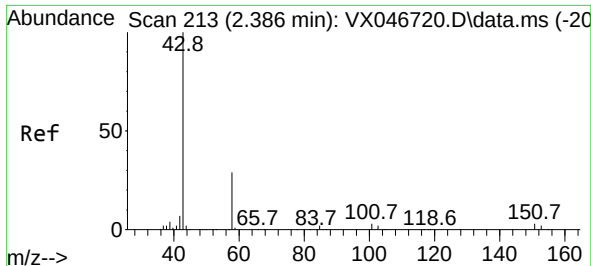
Tgt Ion:142 Resp: 849
Ion Ratio Lower Upper
142 100
127 46.4 37.0 55.6
141 5.3 11.5 17.3#



#13
Acrolein
Concen: 0.385 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
55 144.7 55.2 82.8#

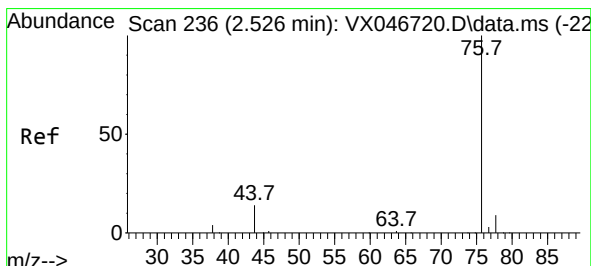
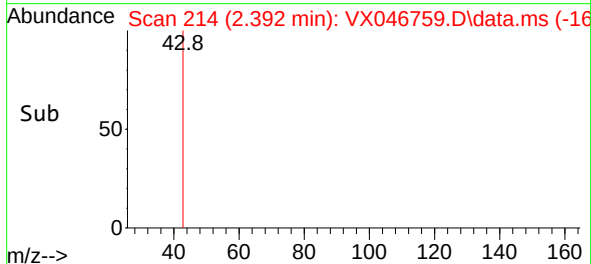
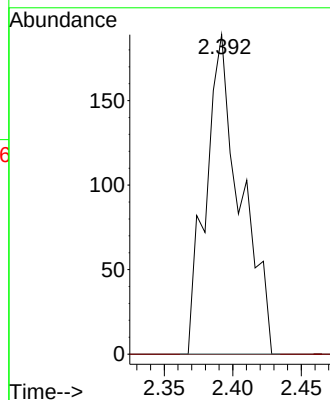
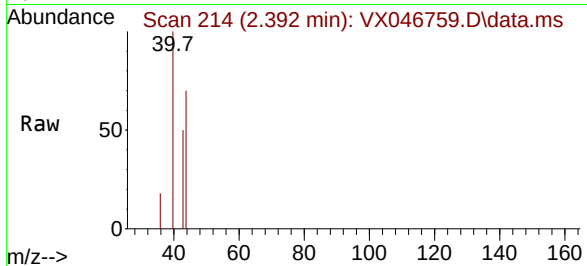




#16
Acetone
Concen: 0.661 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

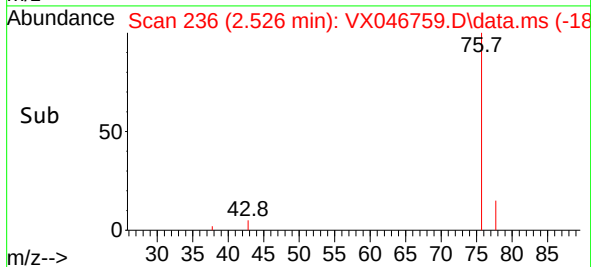
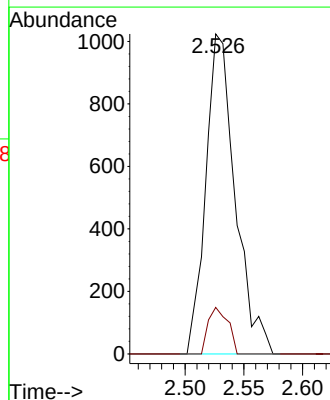
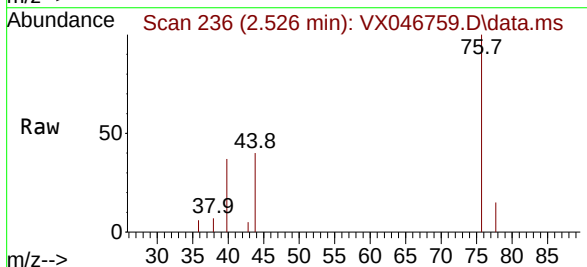
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

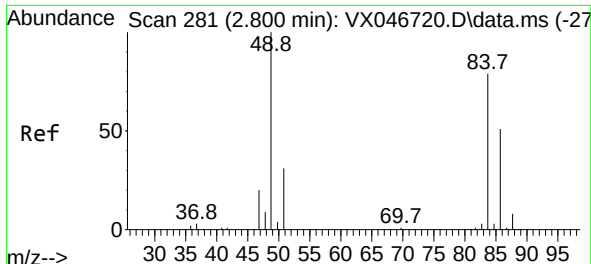
Tgt Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#17
Carbon Disulfide
Concen: 0.490 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.000 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

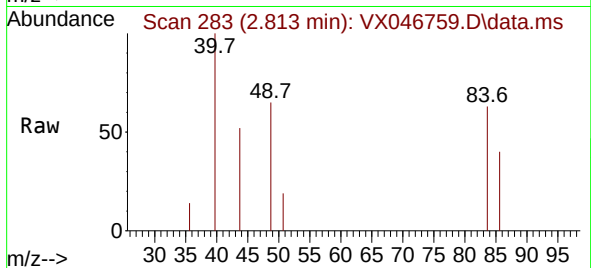
Tgt Ion: 76 Resp: 1785
Ion Ratio Lower Upper
76 100
78 14.6 7.5 11.3#



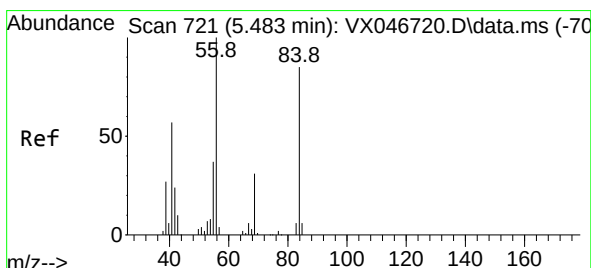
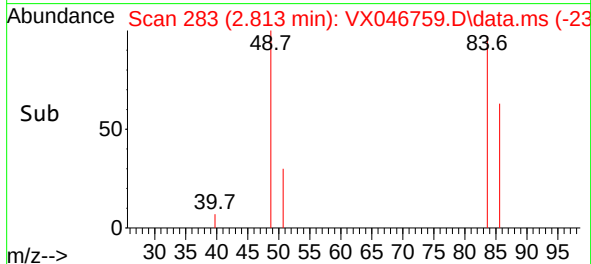
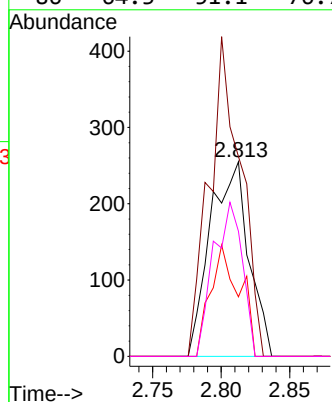


#20
Methylene Chloride
Concen: 0.355 ug/l
RT: 2.813 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

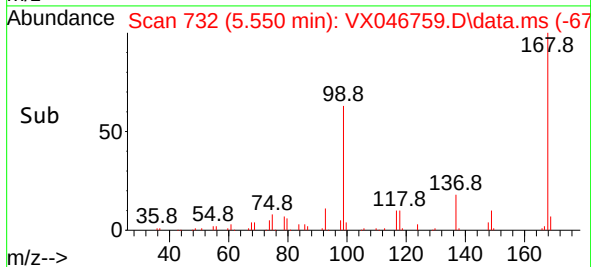
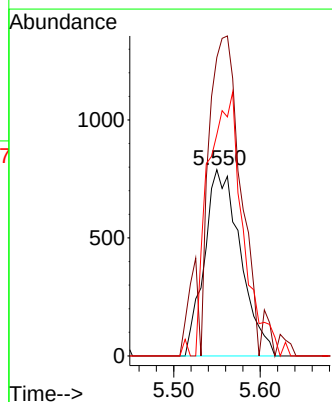
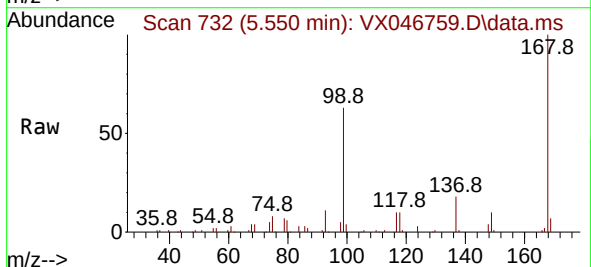


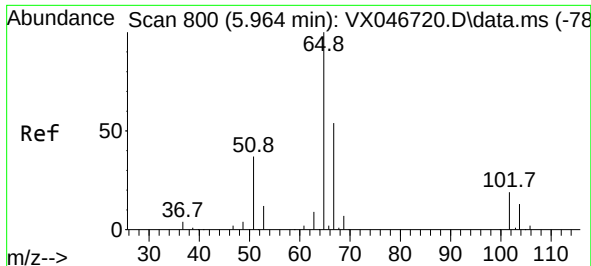
Tgt Ion: 84	Resp: 497
Ion Ratio	Lower Upper
84 100	
49 102.7	101.3 151.9
51 30.6	31.0 46.6#
86 64.3	51.1 76.7



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.067 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

Tgt Ion: 56	Resp: 2281		
Ion Ratio	Lower	Upper	
56	100		
69	160.3	24.8	37.2#
84	118.9	68.2	102.2#

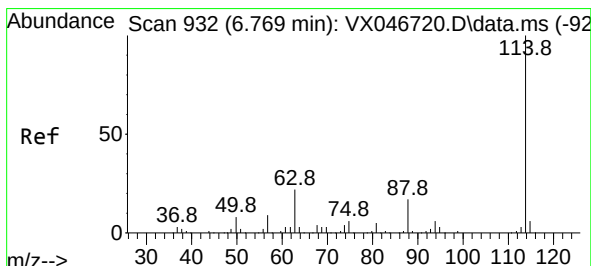
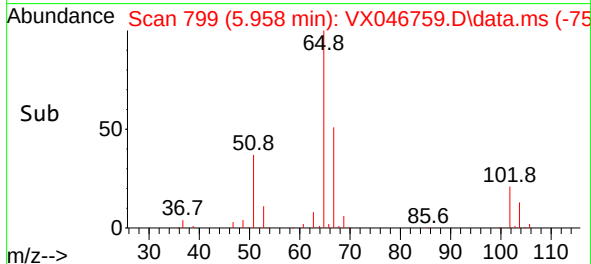
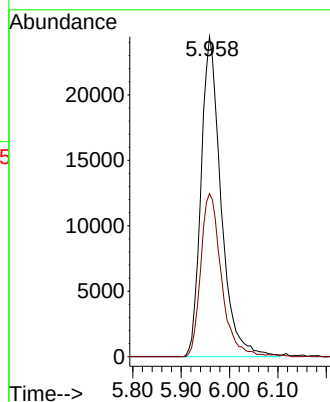
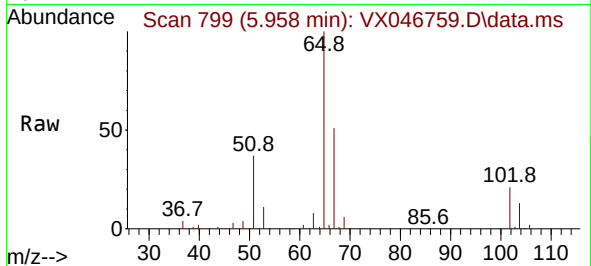




#33
 1,2-Dichloroethane-d4
 Concen: 46.403 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX046759.D
 Acq: 19 Jun 2025 10:12

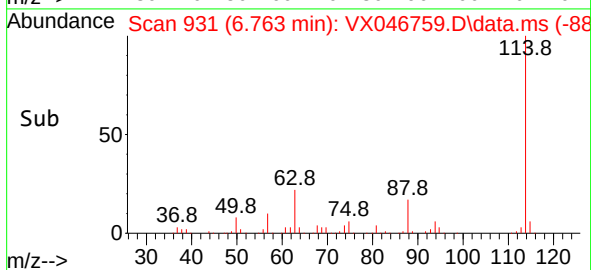
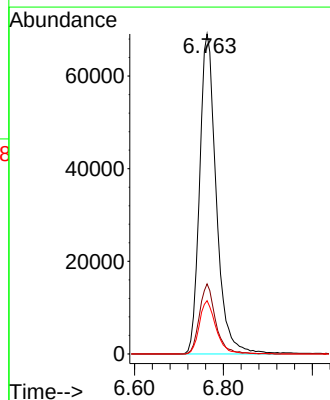
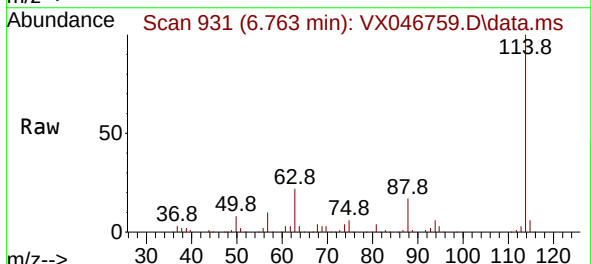
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619MBL01

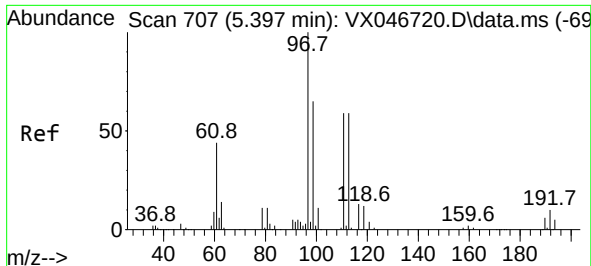
Tgt Ion: 65 Resp: 70127
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX046759.D
 Acq: 19 Jun 2025 10:12

Tgt Ion: 114 Resp: 180416
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.2
 88 16.6 0.0 33.2

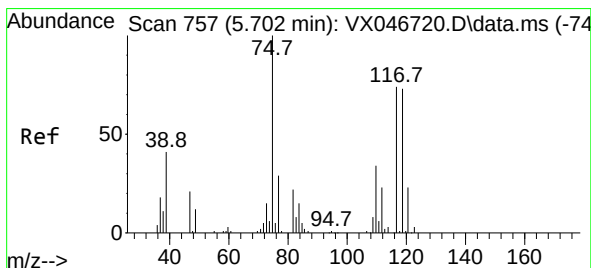
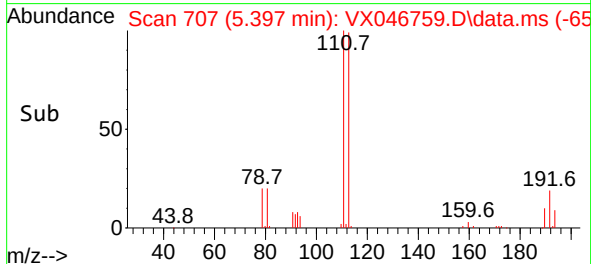
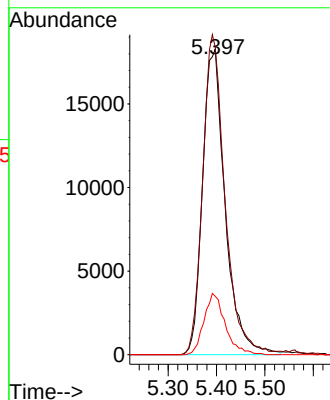
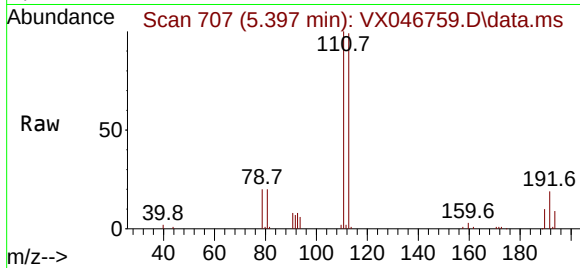




#35
Dibromofluoromethane
Concen: 49.753 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

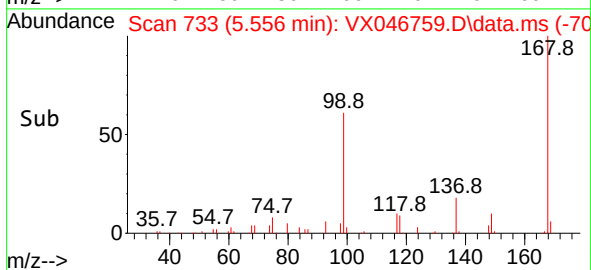
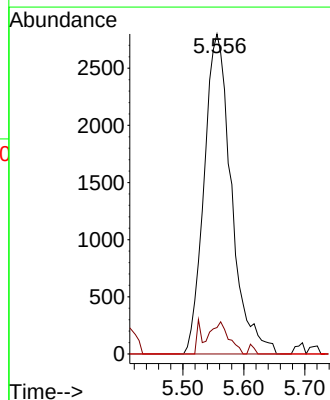
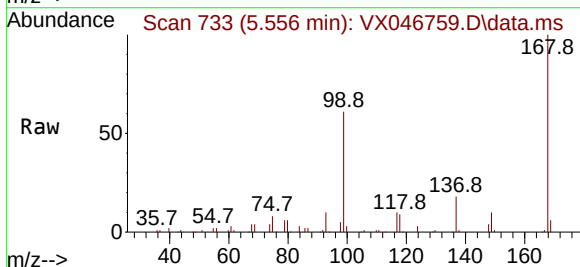
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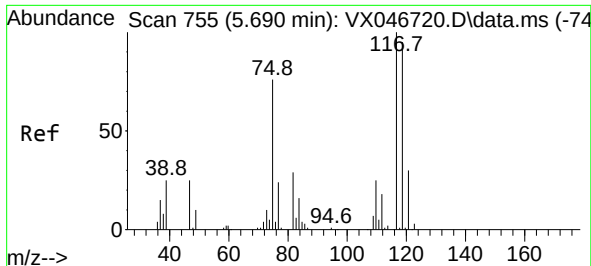
Tgt Ion:113 Resp: 59390
Ion Ratio Lower Upper
113 100
111 103.2 82.0 123.0
192 18.9 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.056 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

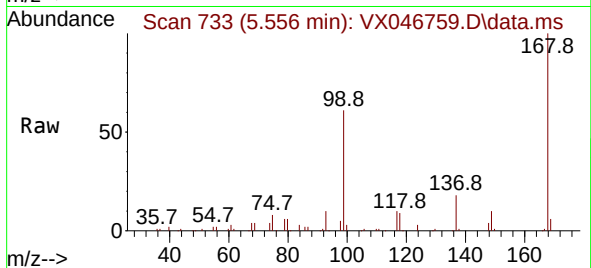
Tgt Ion: 75 Resp: 8712
Ion Ratio Lower Upper
75 100
110 6.4 17.2 51.5#
77 0.0 24.2 36.4#



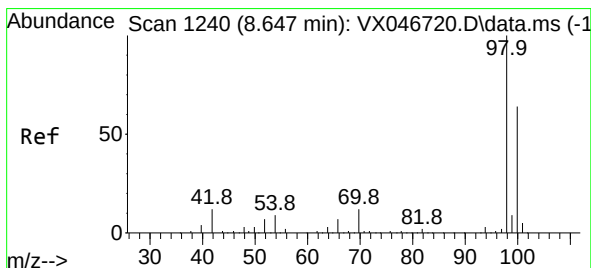
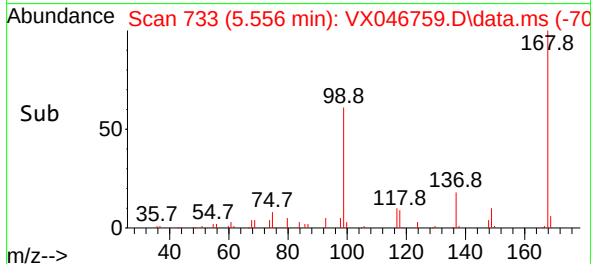
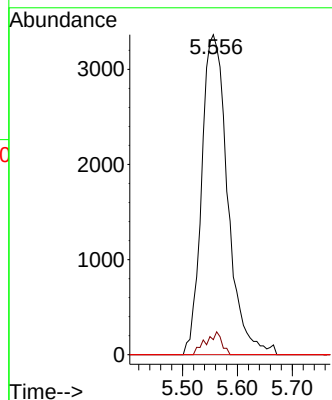


#38
Carbon Tetrachloride
Concen: 5.913 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

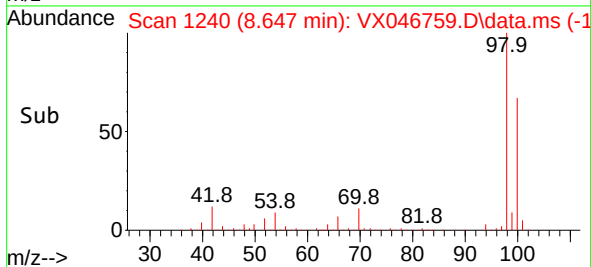
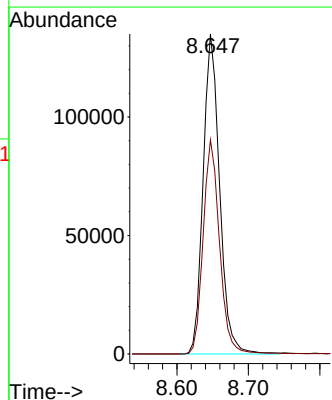
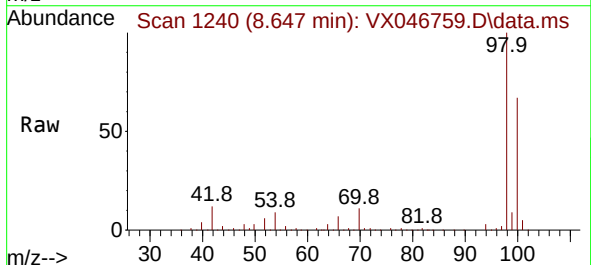


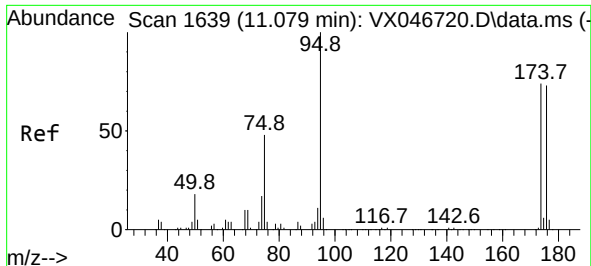
Tgt Ion:117 Resp: 11057
Ion Ratio Lower Upper
117 100
119 4.7 75.2 112.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.445 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

Tgt Ion: 98 Resp: 216339
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4

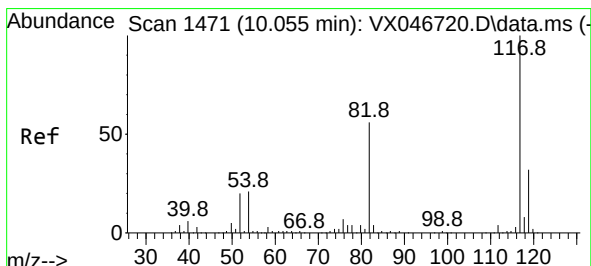
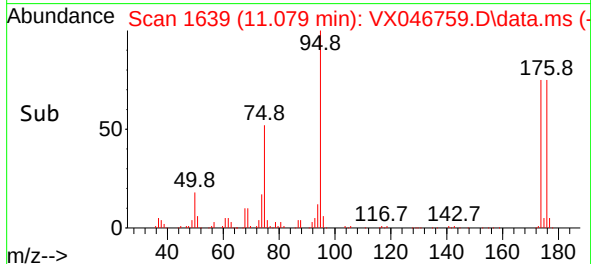
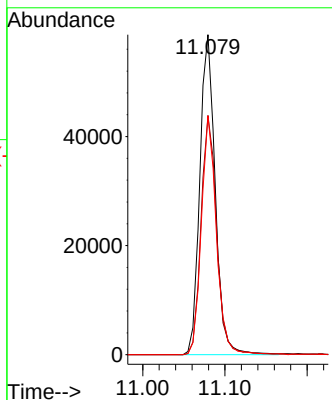
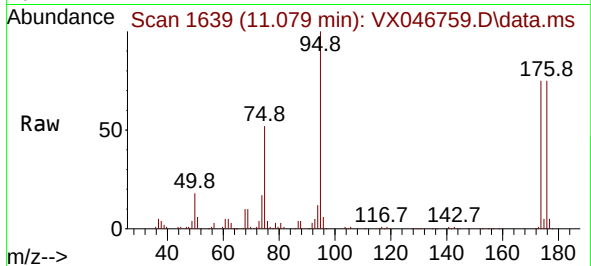




#62
4-Bromofluorobenzene
Concen: 47.905 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

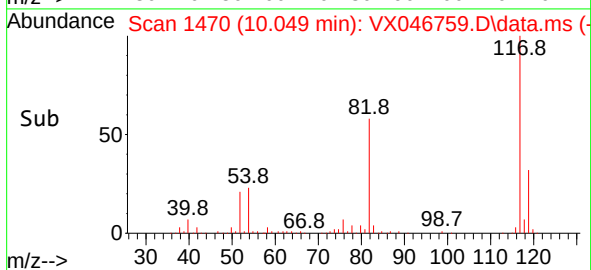
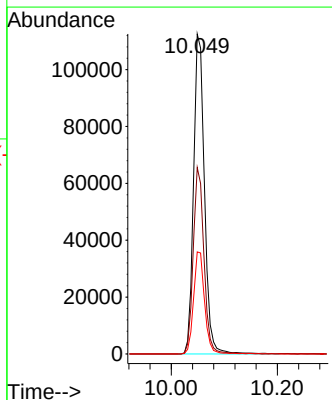
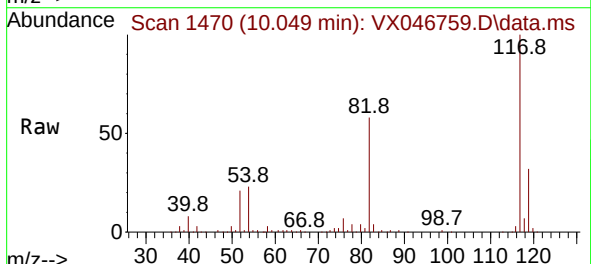
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

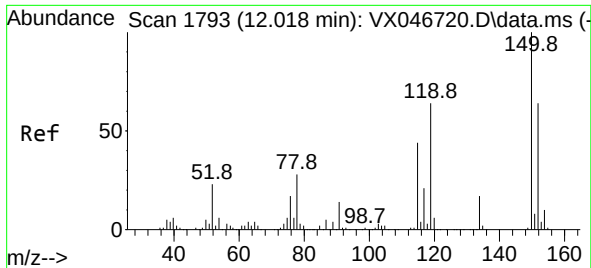
Tgt Ion: 95 Resp: 76583
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.4
176 72.8 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

Tgt Ion: 117 Resp: 159921
Ion Ratio Lower Upper
117 100
82 58.3 44.6 66.8
119 31.9 25.8 38.8

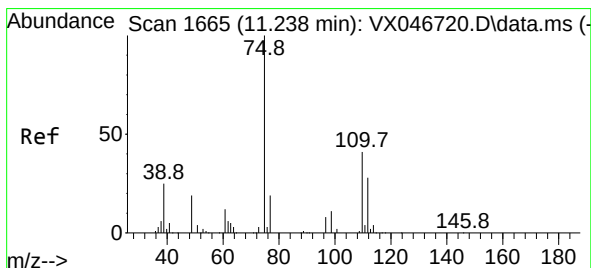
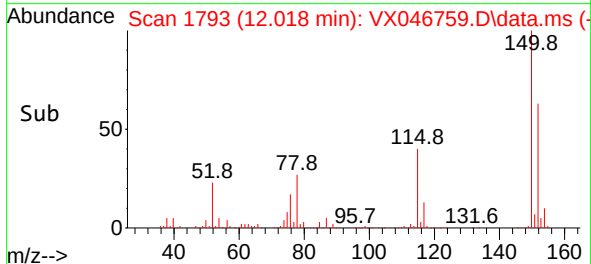
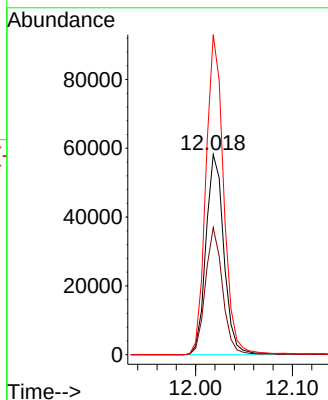
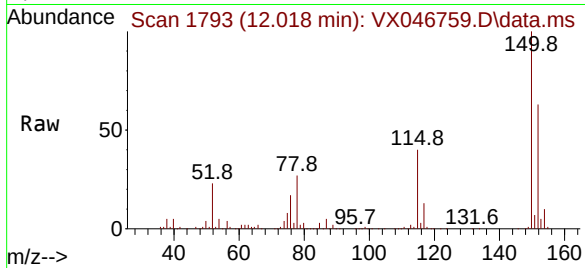




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046759.D
 Acq: 19 Jun 2025 10:12

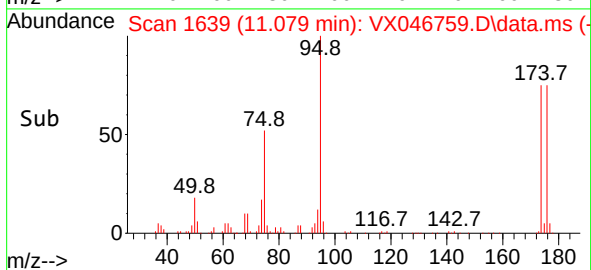
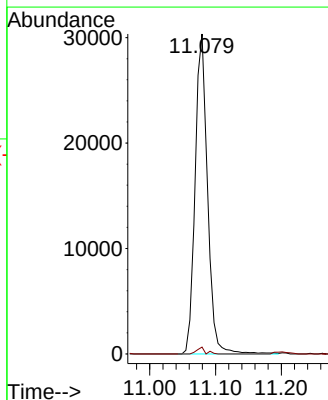
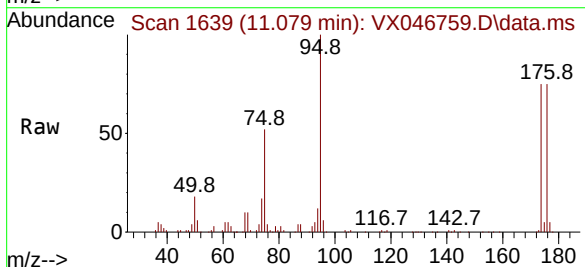
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619MBL01

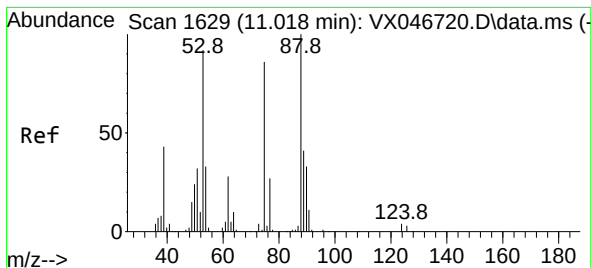
Tgt Ion:152 Resp: 74912
 Ion Ratio Lower Upper
 152 100
 115 61.0 43.2 129.6
 150 158.8 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 28.874 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046759.D
 Acq: 19 Jun 2025 10:12

Tgt Ion: 75 Resp: 39616
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.5 55.5#

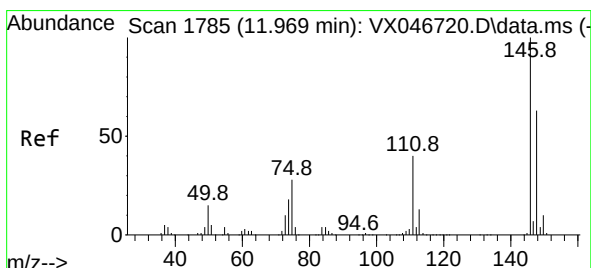
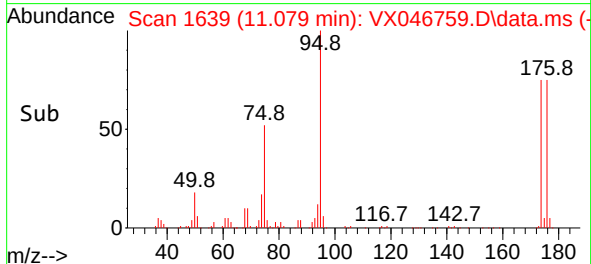
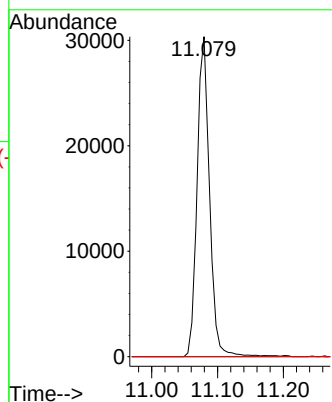
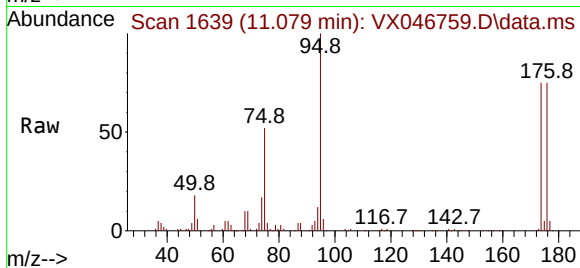




#81
trans-1,4-Dichloro-2-butene
Concen: 81.615 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

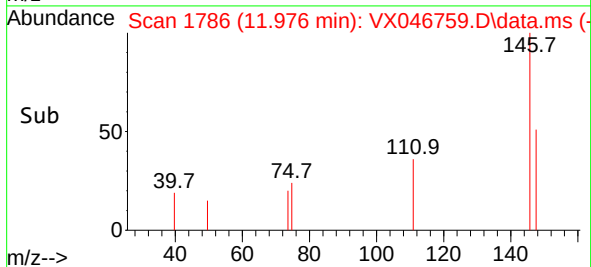
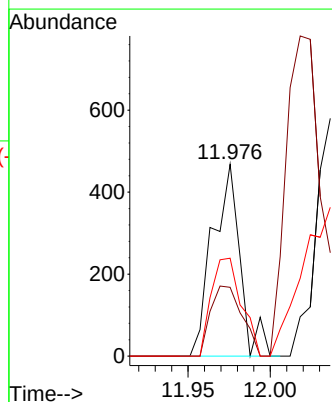
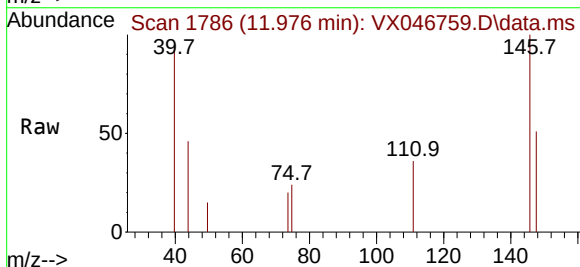
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

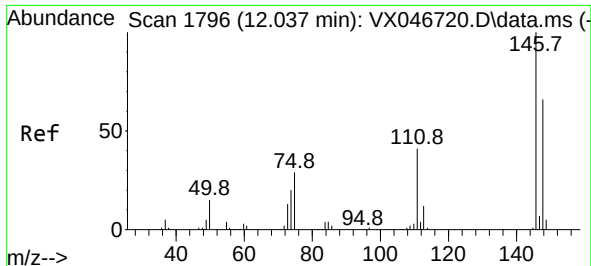
Tgt Ion: 75 Resp: 39616
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.211 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

Tgt Ion:146 Resp: 545
Ion Ratio Lower Upper
146 100
111 41.7 20.6 61.8
148 56.0 31.6 94.8

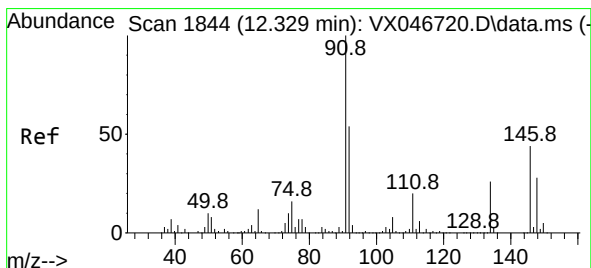
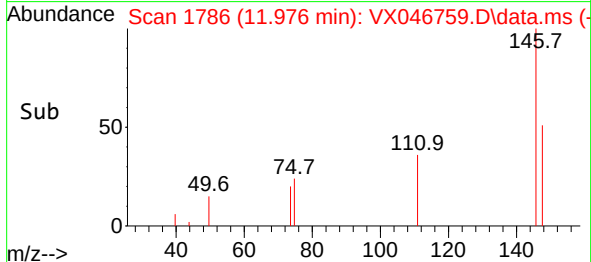
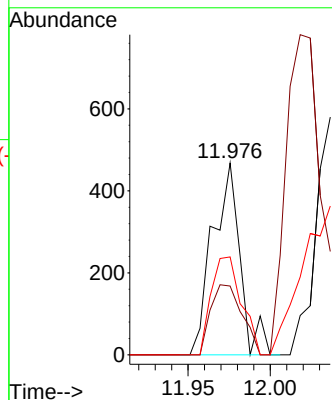
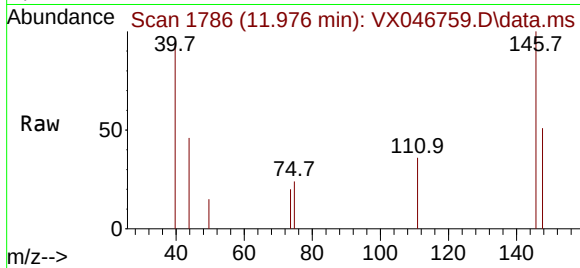




#88
1,4-Dichlorobenzene
Concen: 0.205 ug/l
RT: 11.976 min Scan# 11
Delta R.T. -0.061 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

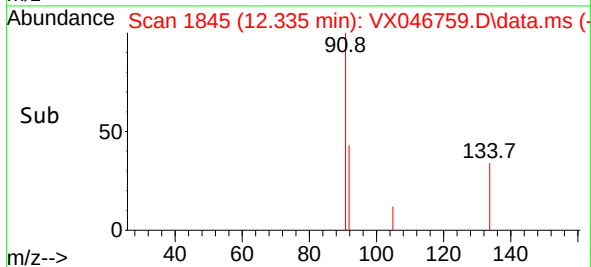
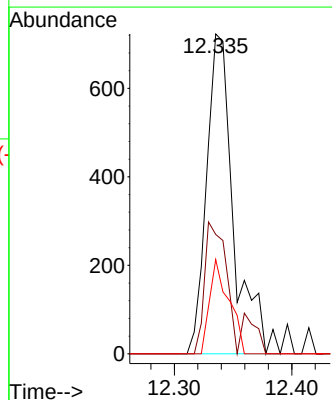
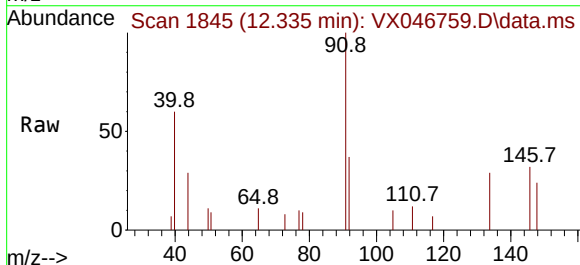
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

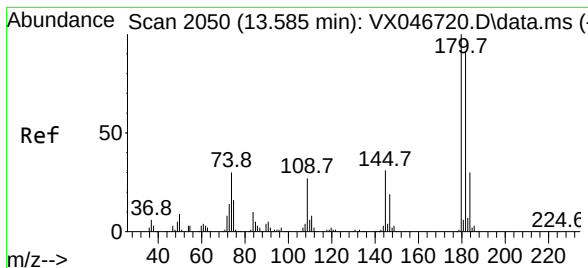
Tgt Ion:	146	Resp:	545
Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	56.0	32.1	96.5



#89
n-Butylbenzene
Concen: 0.244 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX046759.D
Acq: 19 Jun 2025 10:12

Tgt Ion:	91	Resp:	1160
Ion	Ratio	Lower	Upper
91	100		
92	32.4	27.1	81.3
134	21.0	12.9	38.6





#93

1,2,4-Trichlorobenzene

Concen: 0.404 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX046759.D

Acq: 19 Jun 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VX0619MBL01

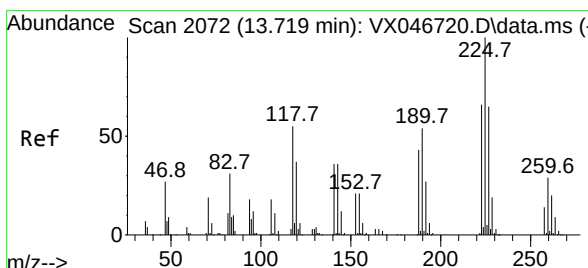
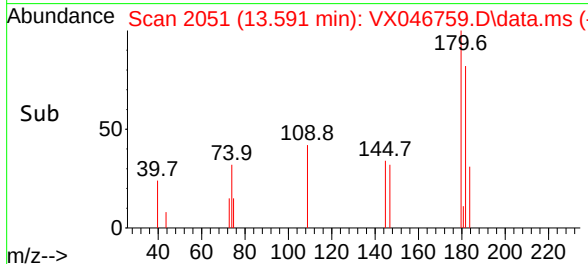
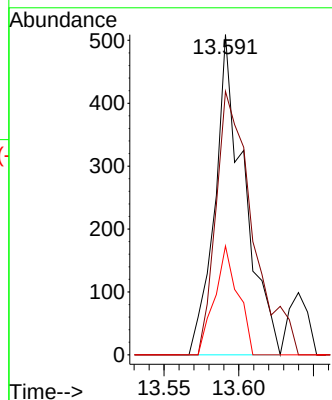
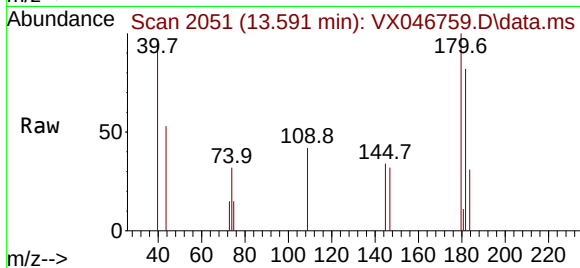
Tgt Ion:180 Resp: 694

Ion Ratio Lower Upper

180 100

182 102.2 46.7 140.1

145 27.1 15.8 47.4



#94

Hexachlorobutadiene

Concen: 0.594 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.006 min

Lab File: VX046759.D

Acq: 19 Jun 2025 10:12

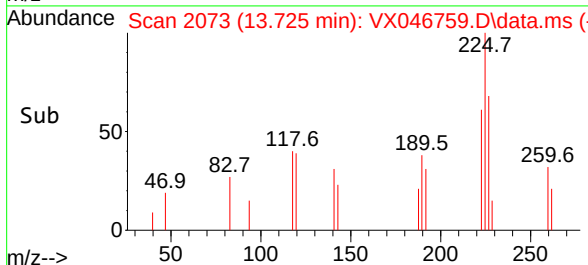
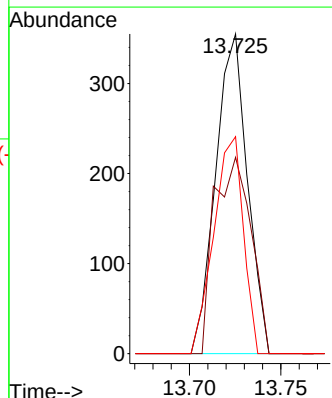
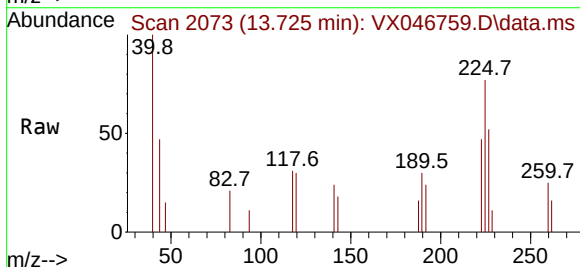
Tgt Ion:225 Resp: 430

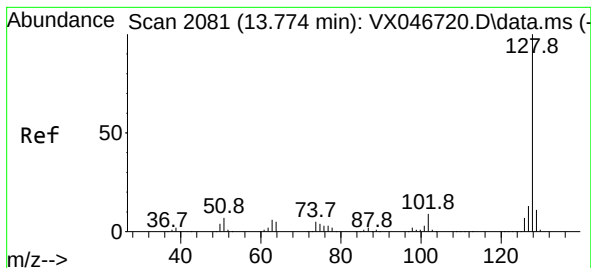
Ion Ratio Lower Upper

225 100

223 71.4 32.5 97.5

227 63.0 32.2 96.6





#95

Naphthalene

Concen: 0.350 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX046759.D

Acq: 19 Jun 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VX0619MBL01

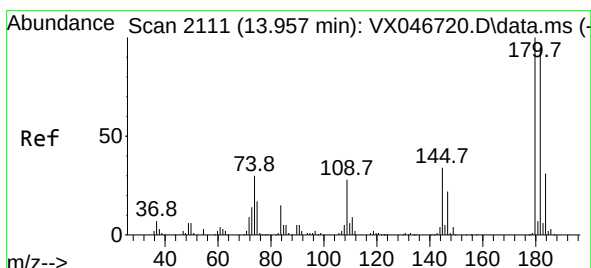
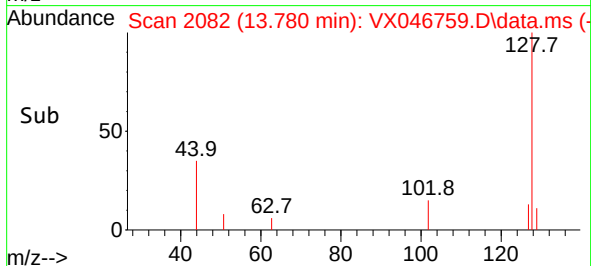
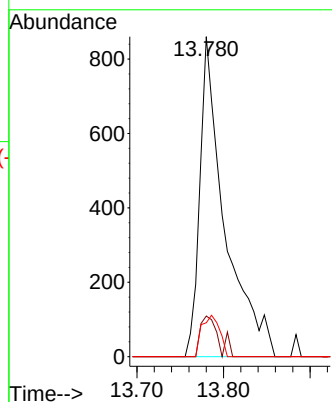
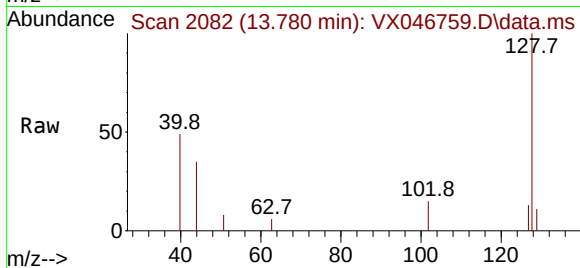
Tgt Ion:128 Resp: 1714

Ion Ratio Lower Upper

128 100

127 9.2 10.1 15.1#

129 9.3 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.455 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX046759.D

Acq: 19 Jun 2025 10:12

Tgt Ion:180 Resp: 749

Ion Ratio Lower Upper

180 100

182 85.2 47.8 143.4

145 34.2 17.3 51.9

