

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046496.D
 Acq On : 04 Jun 2025 13:28
 Operator : JC/MD
 Sample : Q2175-05 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 52525-B

Quant Time: Jun 05 01:50:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

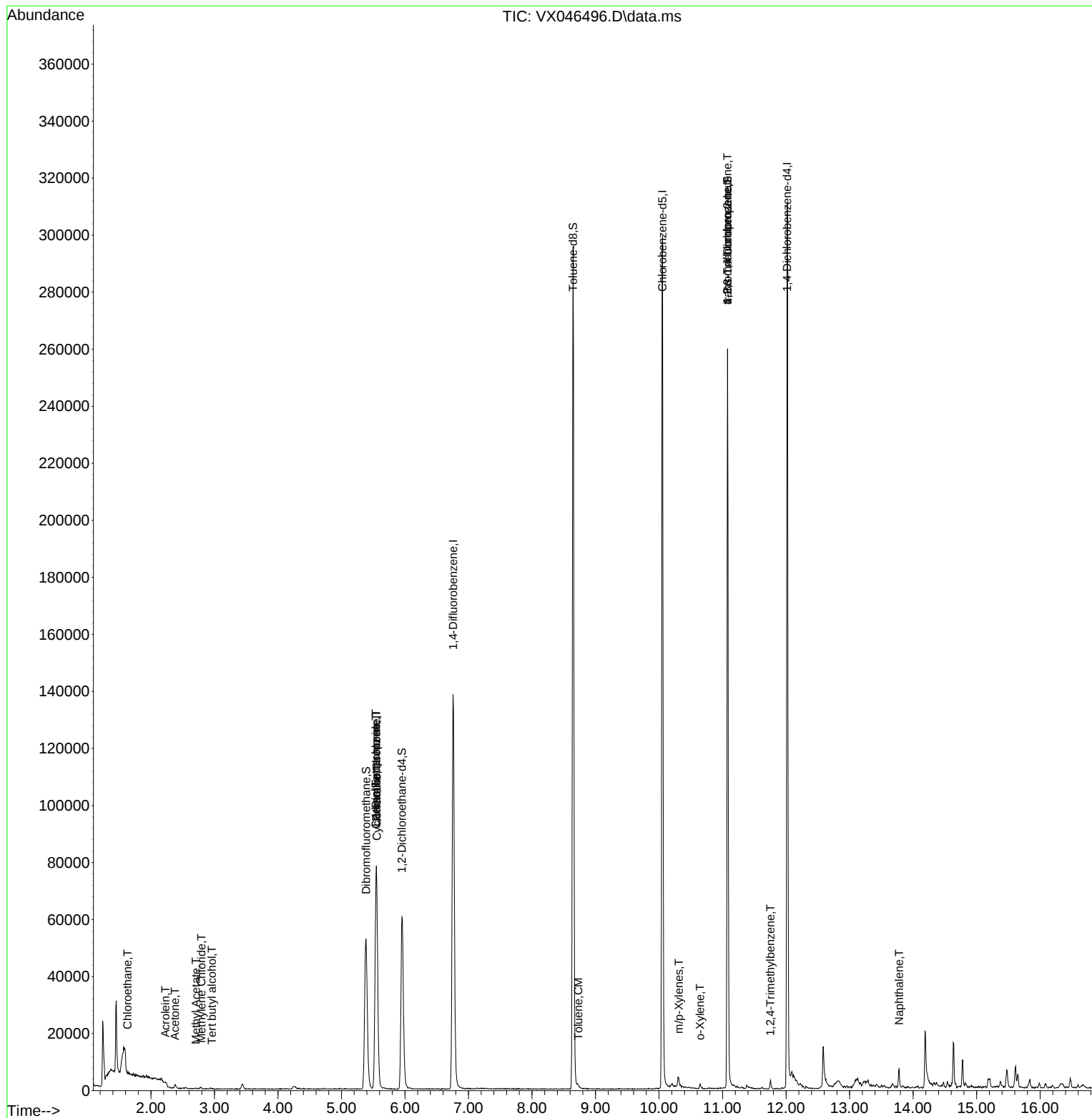
Internal Standards						
1) Pentafluorobenzene	5.550	168	66638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131594	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63436	51.061	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.120%	
35) Dibromofluoromethane	5.385	113	46317	48.877	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.760%	
50) Toluene-d8	8.647	98	167172	50.970	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.940%	
62) 4-Bromofluorobenzene	11.079	95	68934	54.792	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.580%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.630	64	537	1.093	ug/l #	44
11) Tert butyl alcohol	2.959	59	40	0.229	ug/l #	72
13) Acrolein	2.227	56	405	2.039	ug/l #	27
16) Acetone	2.380	43	1743	3.499	ug/l	92
18) Methyl Acetate	2.709	43	405	0.350	ug/l #	55
20) Methylene Chloride	2.794	84	250	0.262	ug/l #	76
31) Cyclohexane	5.556	56	1908	1.289	ug/l #	38
36) 1,1-Dichloropropene	5.544	75	6597	5.181	ug/l #	52
38) Carbon Tetrachloride	5.544	117	8035	5.617	ug/l #	19
52) Toluene	8.726	92	574	0.251	ug/l	94
68) m/p-Xylenes	10.311	106	1084	0.610	ug/l	83
69) o-Xylene	10.646	106	402	0.232	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	38824	28.115	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	38824	91.532	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	1668	0.441	ug/l	98
95) Naphthalene	13.780	128	4701	1.175	ug/l	98

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

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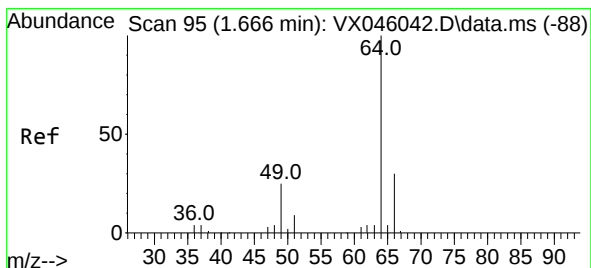
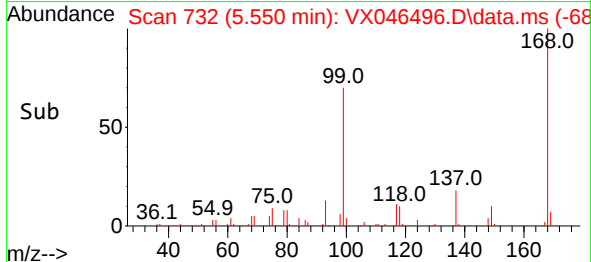
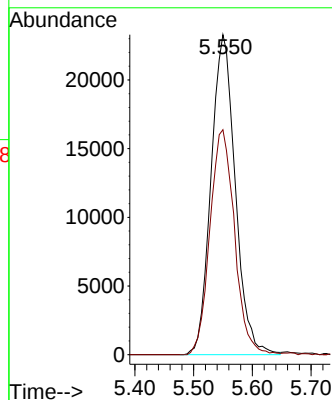
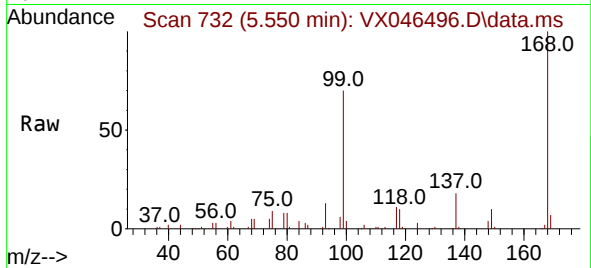




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

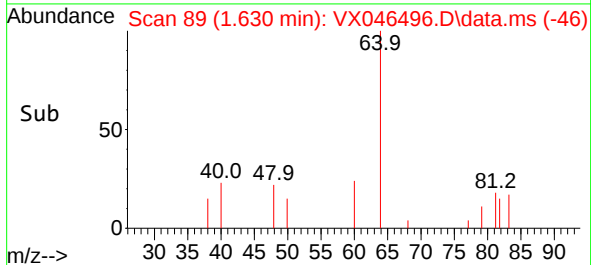
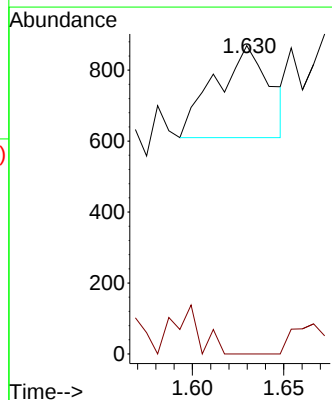
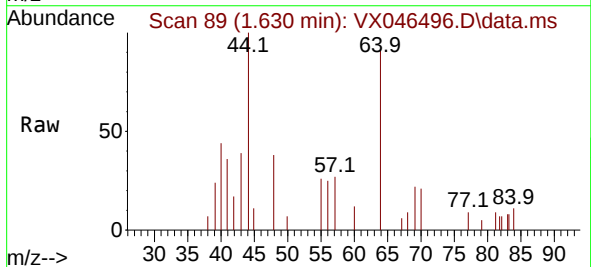
Instrument :
MSVOA_X
ClientSampleId :
52525-B

Tgt Ion:168 Resp: 66638
Ion Ratio Lower Upper
168 100
99 70.3 54.9 82.3



#6
Chloroethane
Concen: 1.093 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.037 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Tgt Ion: 64 Resp: 537
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

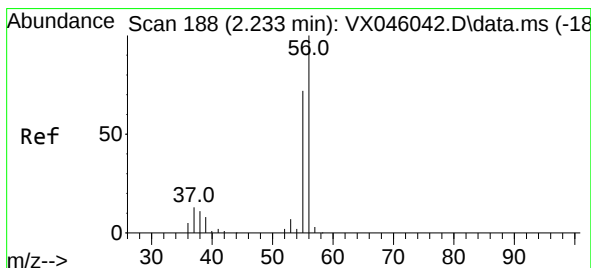
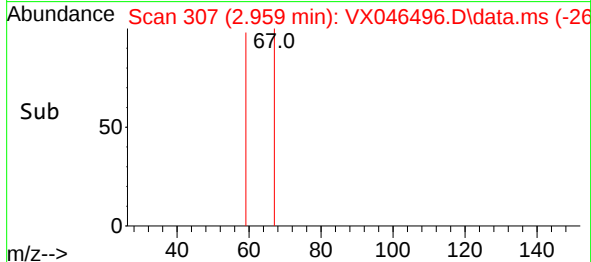
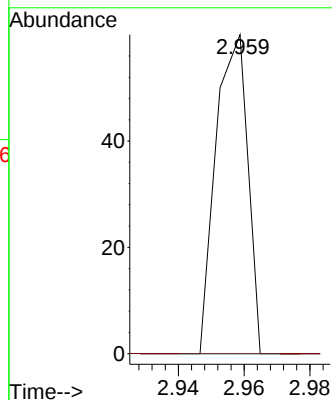
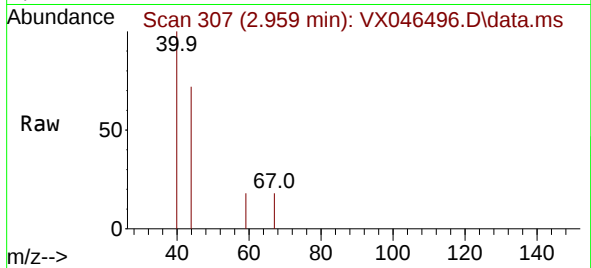




#11
Tert butyl alcohol
Concen: 0.229 ug/l
RT: 2.959 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

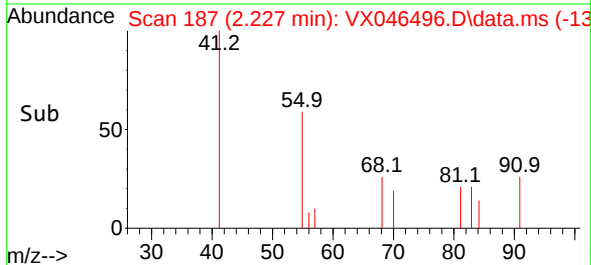
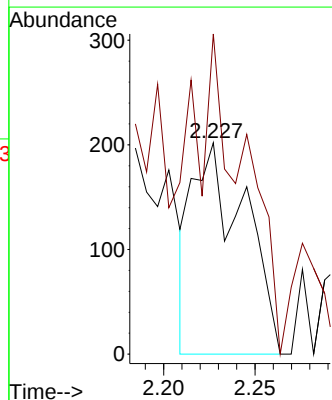
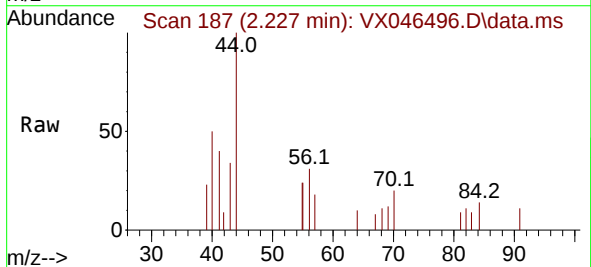
Instrument :
MSVOA_X
ClientSampleId :
52525-B

Tgt Ion: 59 Resp: 40
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 2.039 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Tgt Ion: 56 Resp: 405
Ion Ratio Lower Upper
56 100
55 10.4 56.2 84.4#

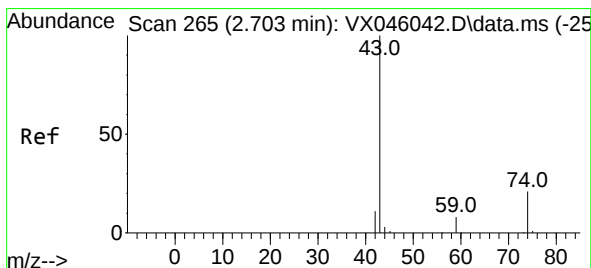
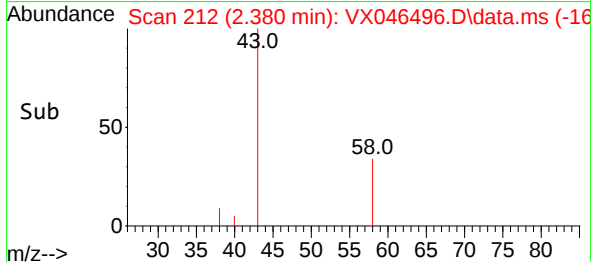
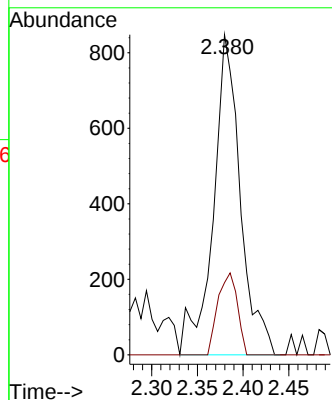
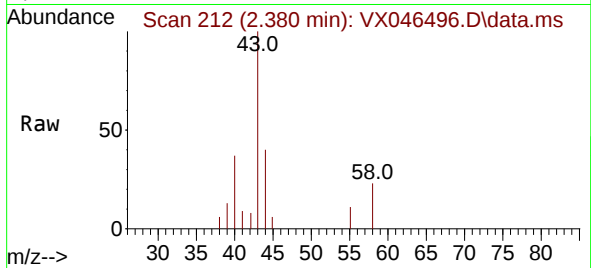




#16
Acetone
Concen: 3.499 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

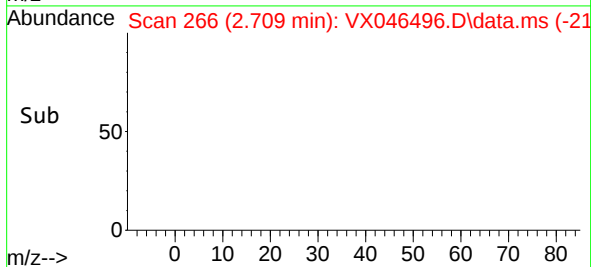
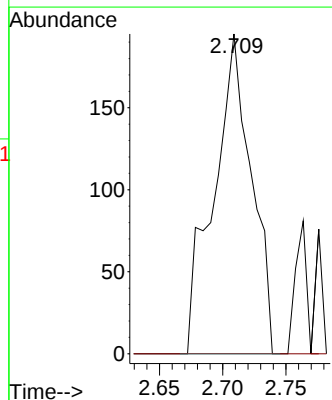
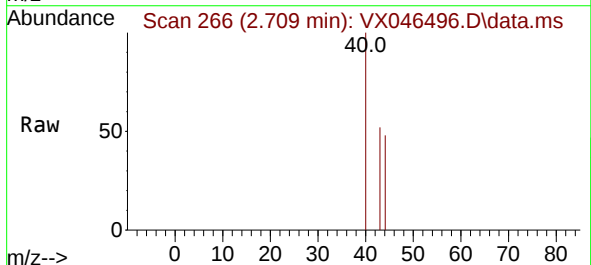
Instrument :
MSVOA_X
ClientSampleId :
52525-B

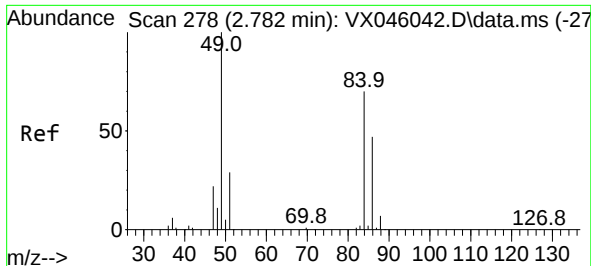
Tgt Ion: 43 Resp: 1743
Ion Ratio Lower Upper
43 100
58 22.5 21.2 31.8



#18
Methyl Acetate
Concen: 0.350 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Tgt Ion: 43 Resp: 405
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

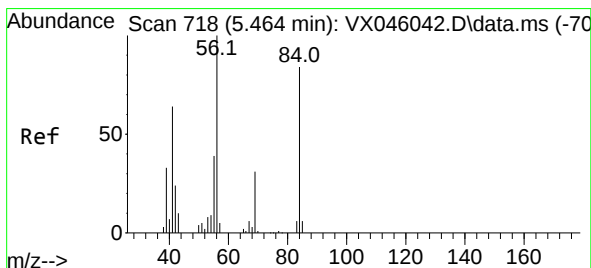
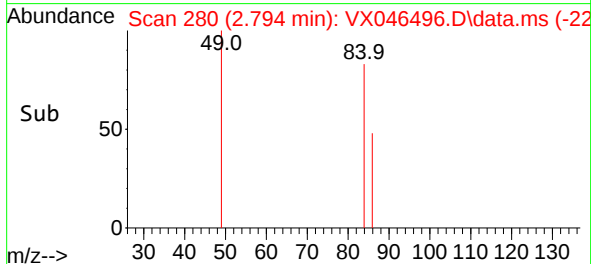
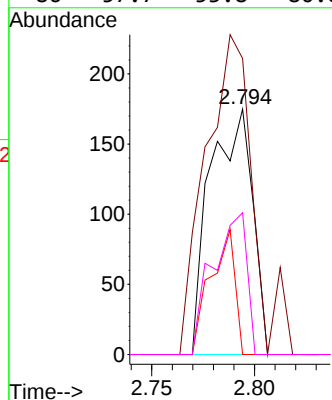
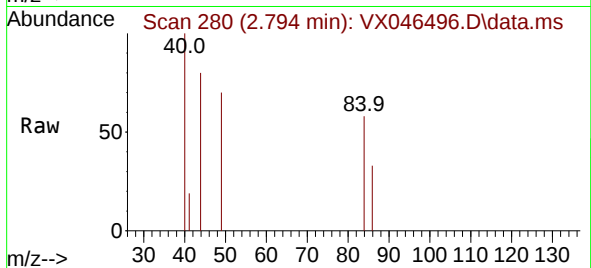




#20
Methylene Chloride
Concen: 0.262 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

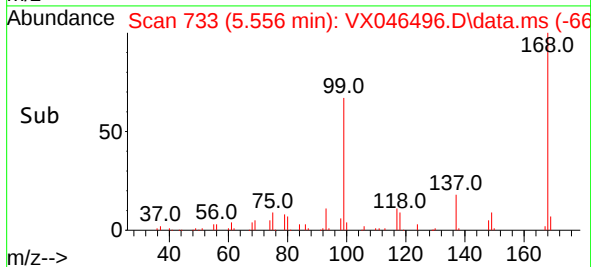
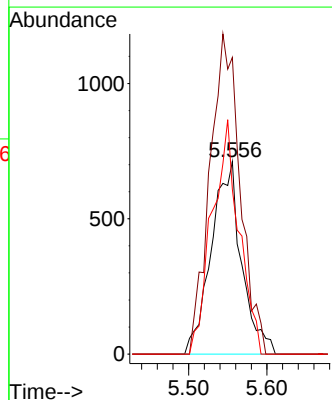
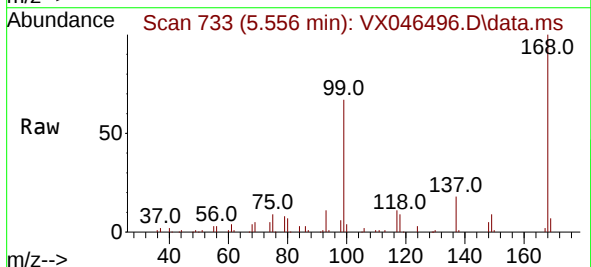
Instrument :
MSVOA_X
ClientSampleId :
52525-B

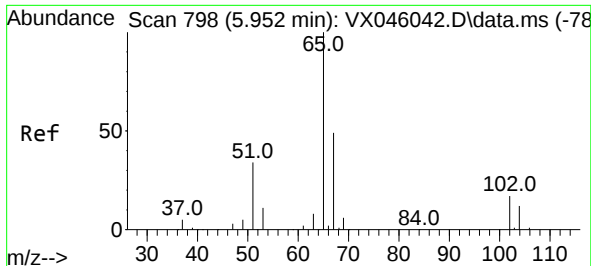
Tgt Ion:	84	Resp:	250
Ion	Ratio	Lower	Upper
84	100		
49	120.6	113.9	170.9
51	0.0	33.5	50.3#
86	57.7	53.8	80.8



#31
Cyclohexane
Concen: 1.289 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Tgt Ion:	56	Resp:	1908
Ion	Ratio	Lower	Upper
56	100		
69	154.1	24.4	36.6#
84	85.7	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 51.061 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046496.D

Acq: 04 Jun 2025 13:28

Instrument :

MSVOA_X

ClientSampleId :

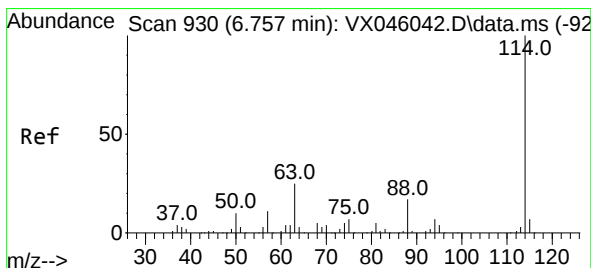
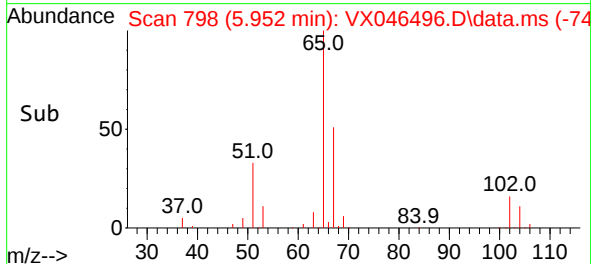
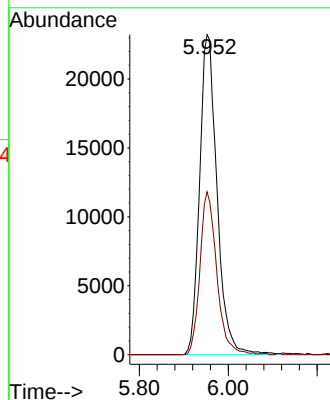
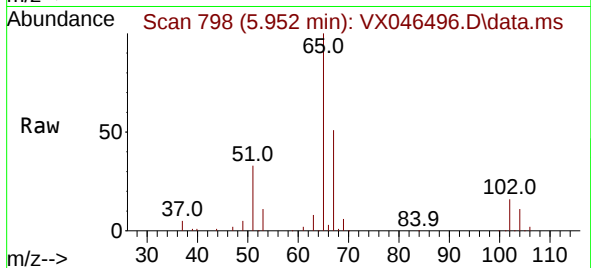
52525-B

Tgt Ion: 65 Resp: 63436

Ion Ratio Lower Upper

65 100

67 49.0 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046496.D

Acq: 04 Jun 2025 13:28

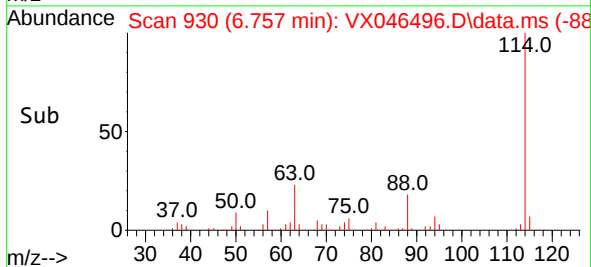
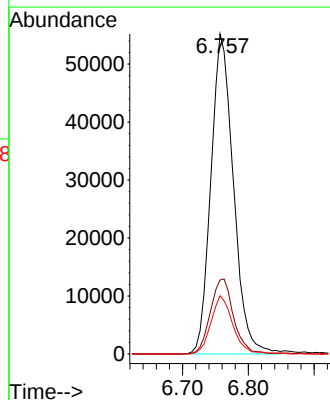
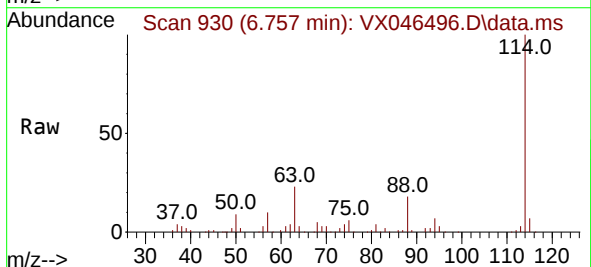
Tgt Ion: 114 Resp: 131594

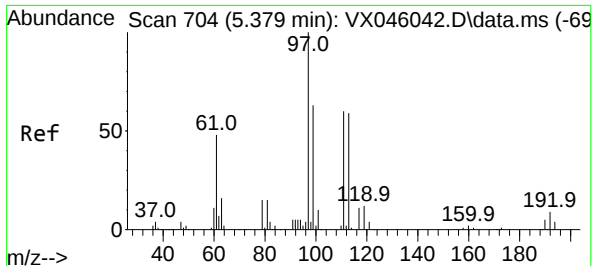
Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.2

88 18.2 0.0 33.6

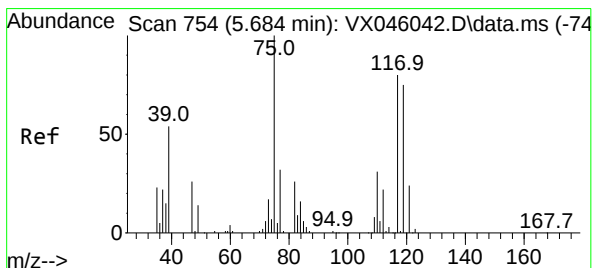
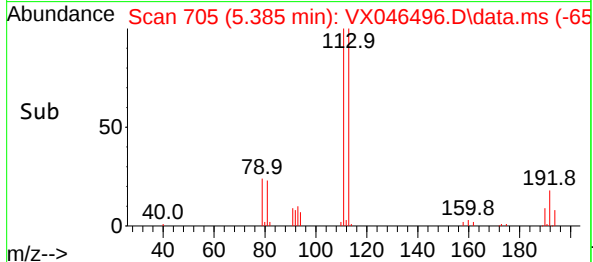
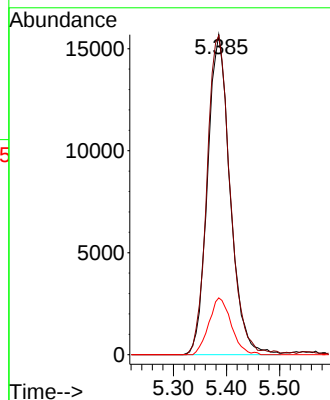
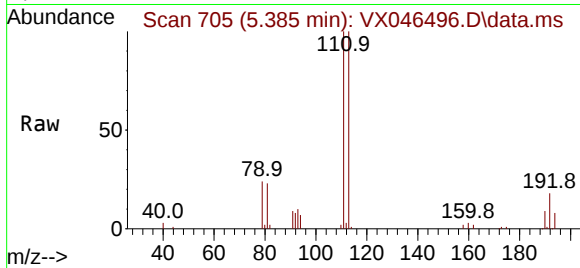




#35
Dibromofluoromethane
Concen: 48.877 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

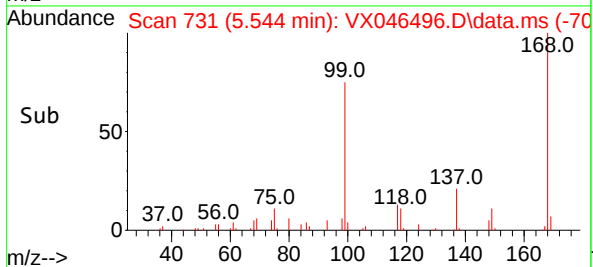
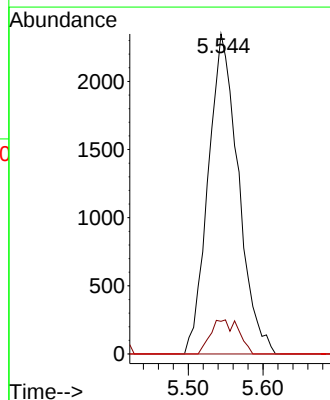
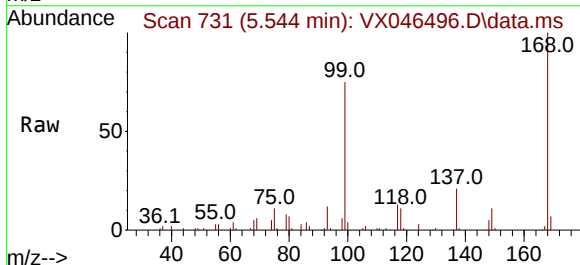
Instrument :
MSVOA_X
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52525-B

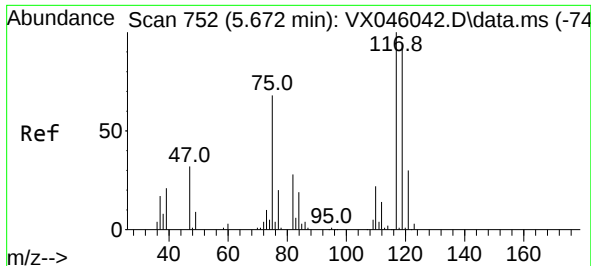
Tgt Ion:113 Resp: 46317
Ion Ratio Lower Upper
113 100
111 101.9 83.1 124.7
192 17.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.181 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

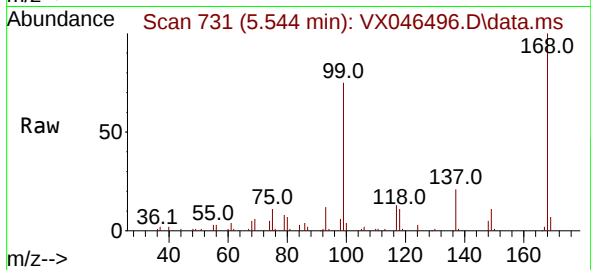
Tgt Ion: 75 Resp: 6597
Ion Ratio Lower Upper
75 100
110 9.9 16.3 48.9#
77 0.0 24.3 36.5#



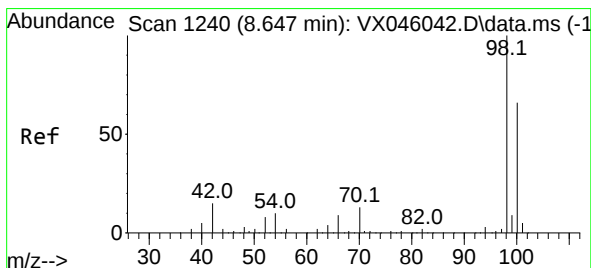
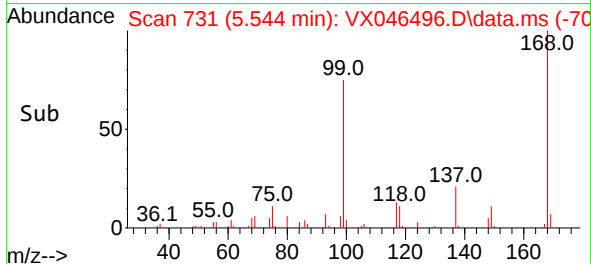
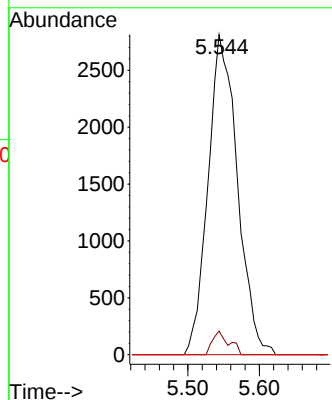


#38
Carbon Tetrachloride
Concen: 5.617 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Instrument :
MSVOA_X
ClientSampleId :
52525-B

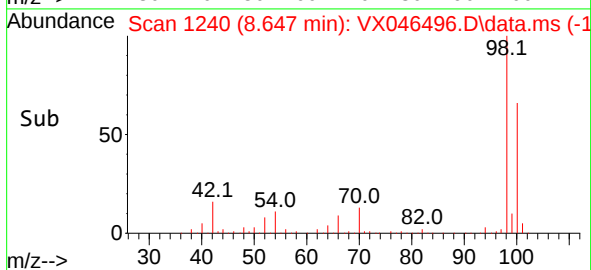
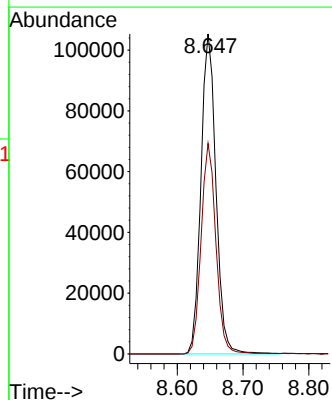
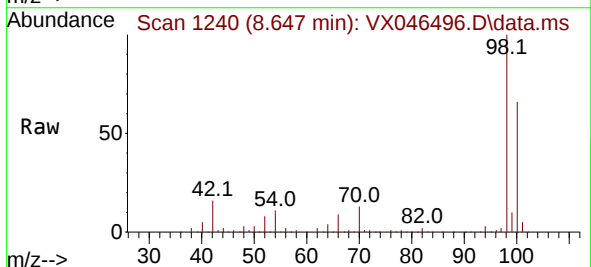


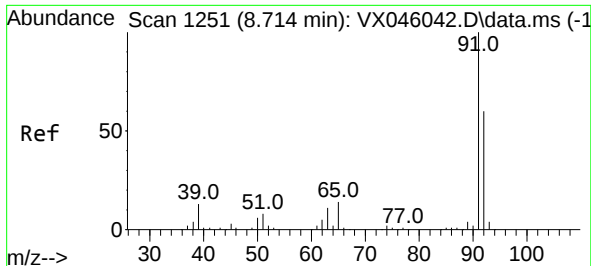
Tgt Ion:117 Resp: 8035
Ion Ratio Lower Upper
117 100
119 7.4 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.970 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Tgt Ion: 98 Resp: 167172
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3

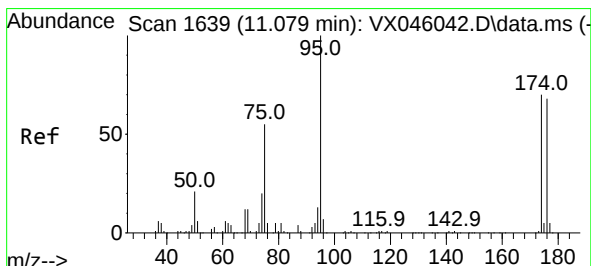
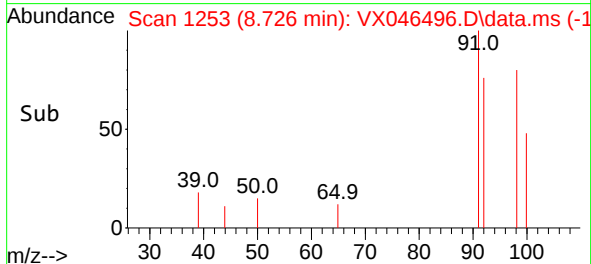
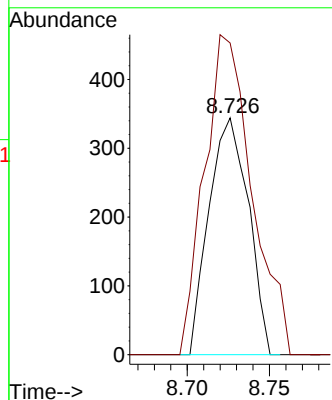
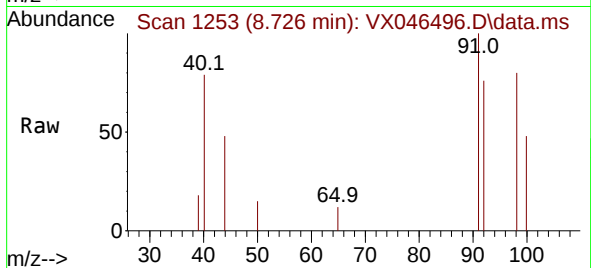




#52
Toluene
Concen: 0.251 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

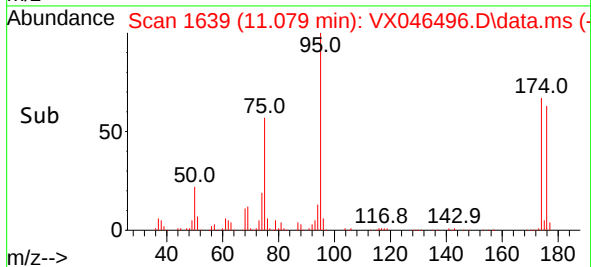
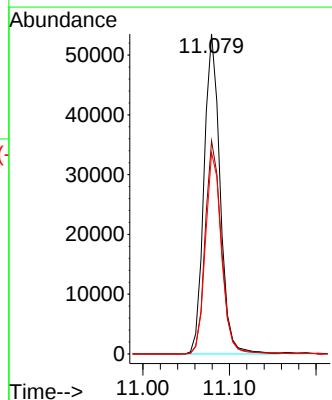
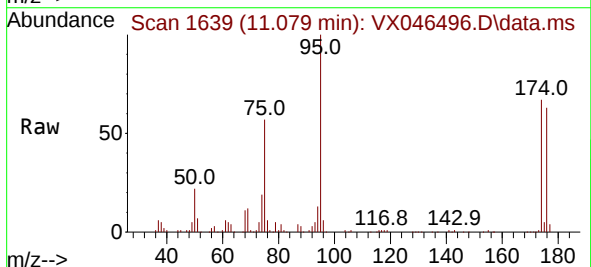
Instrument :
MSVOA_X
ClientSampleId :
52525-B

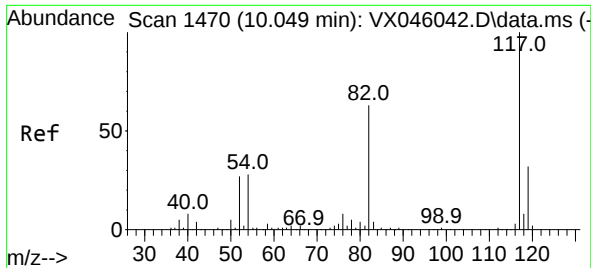
Tgt Ion: 92 Resp: 574
Ion Ratio Lower Upper
92 100
91 162.9 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 54.792 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Tgt Ion: 95 Resp: 68934
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 63.1 0.0 131.4

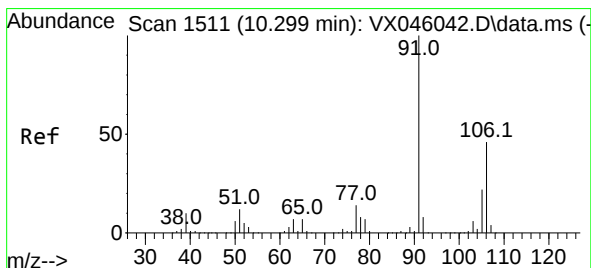
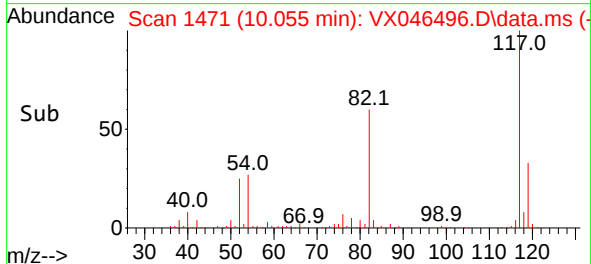
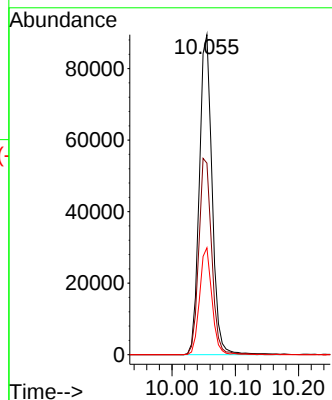
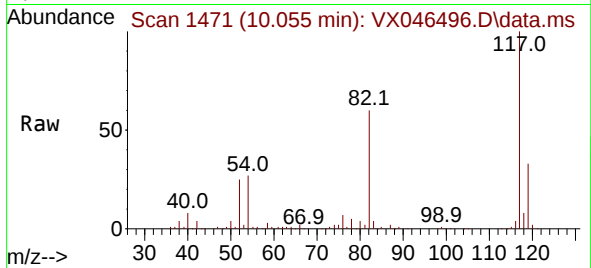




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

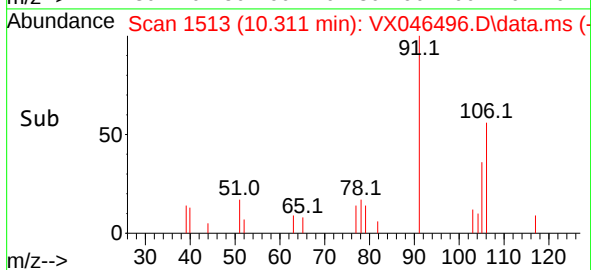
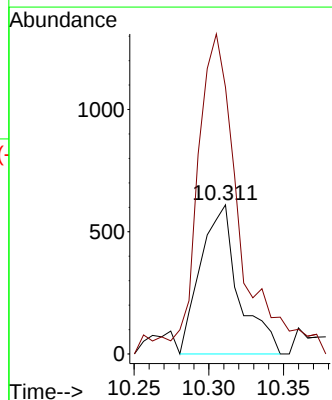
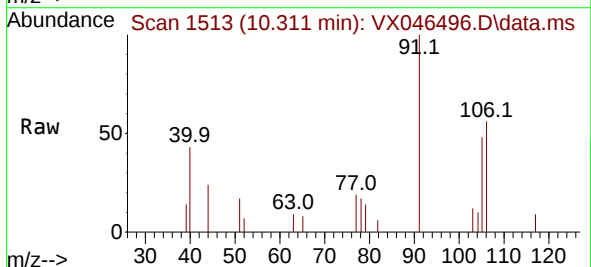
Instrument :
MSVOA_X
ClientSampleId :
52525-B

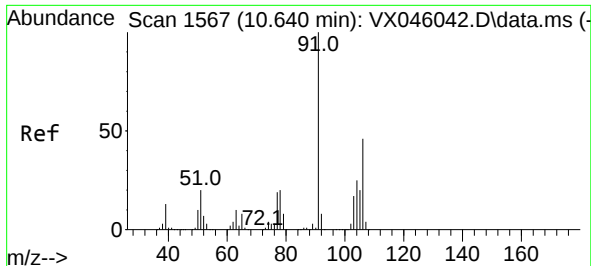
Tgt Ion:117 Resp: 125884
Ion Ratio Lower Upper
117 100
82 59.9 50.6 76.0
119 33.4 25.8 38.6



#68
m/p-Xylenes
Concen: 0.610 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Tgt Ion:106 Resp: 1084
Ion Ratio Lower Upper
106 100
91 240.3 171.2 256.8

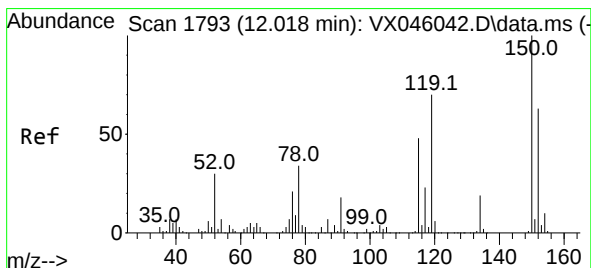
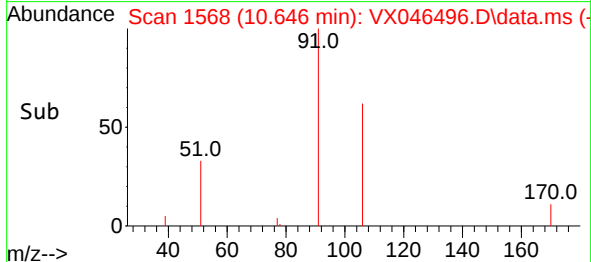
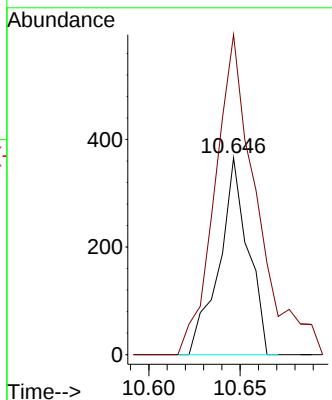
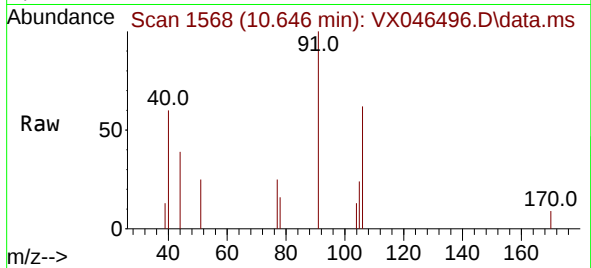




#69
o-Xylene
Concen: 0.232 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

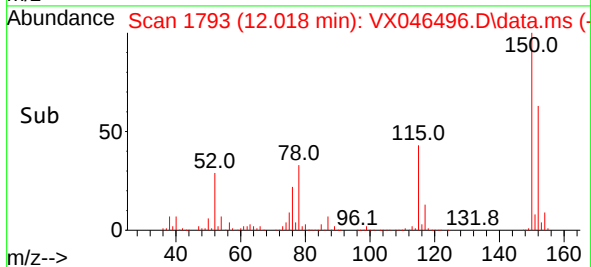
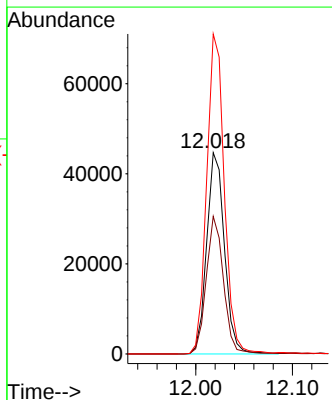
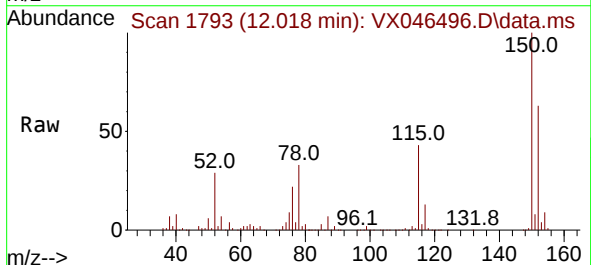
Instrument :
MSVOA_X
ClientSampleId :
52525-B

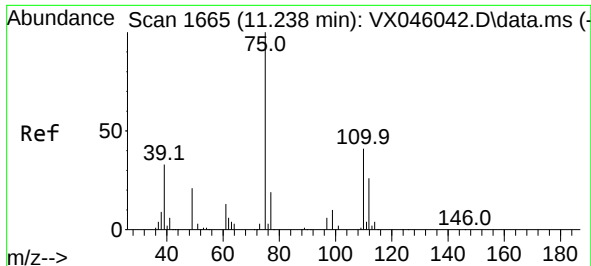
Tgt Ion:106 Resp: 402
Ion Ratio Lower Upper
106 100
91 234.8 112.7 338.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Tgt Ion:152 Resp: 57370
Ion Ratio Lower Upper
152 100
115 66.3 46.9 140.7
150 156.8 0.0 351.0

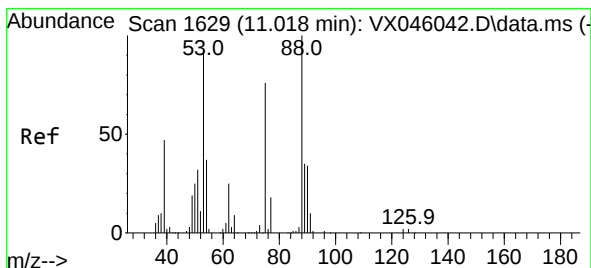
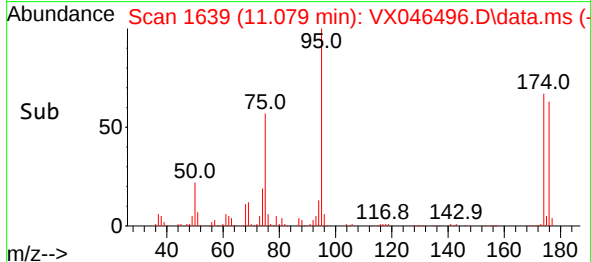
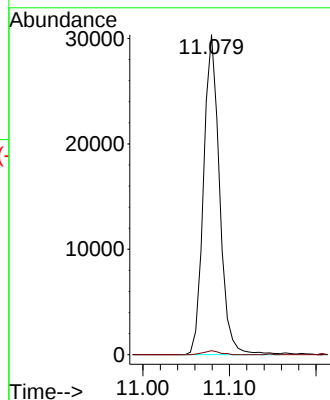
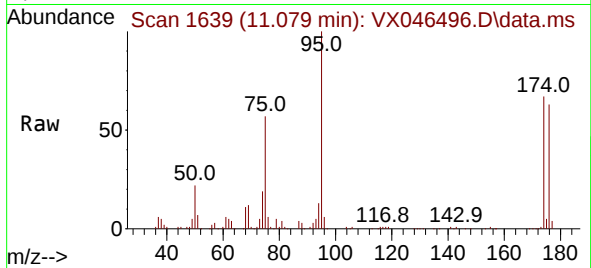




#76
1,2,3-Trichloropropane
Concen: 28.115 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

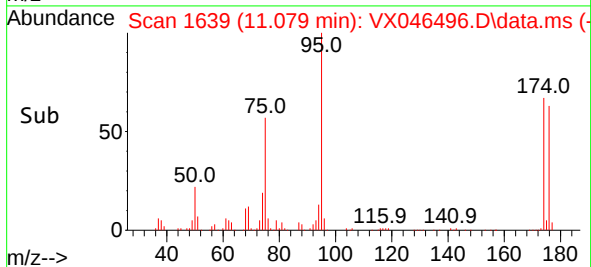
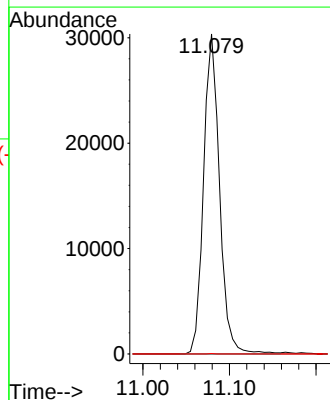
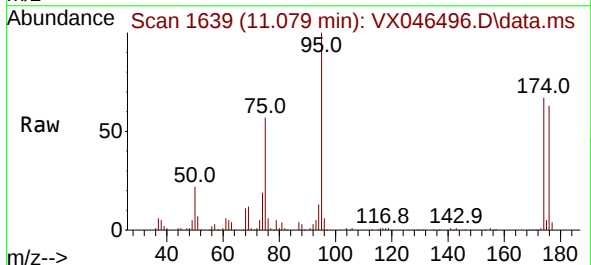
Instrument :
MSVOA_X
ClientSampleId :
52525-B

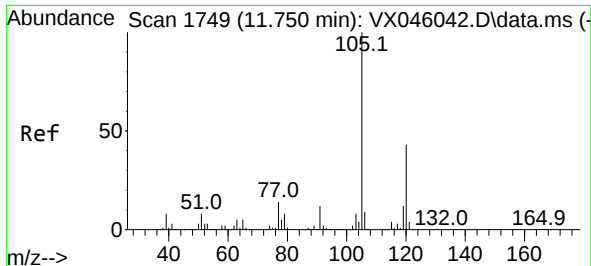
Tgt Ion: 75 Resp: 38824
Ion Ratio Lower Upper
75 100
77 1.3 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.532 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Tgt Ion: 75 Resp: 38824
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

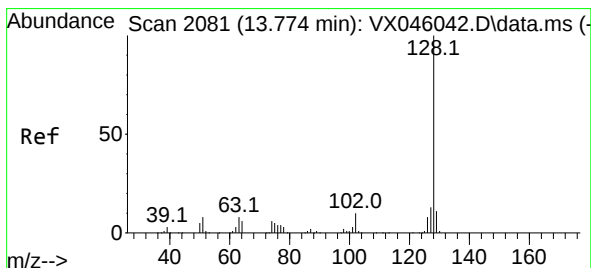
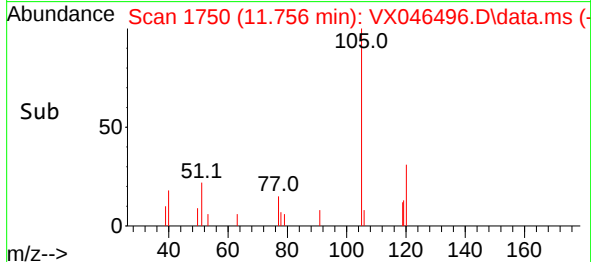
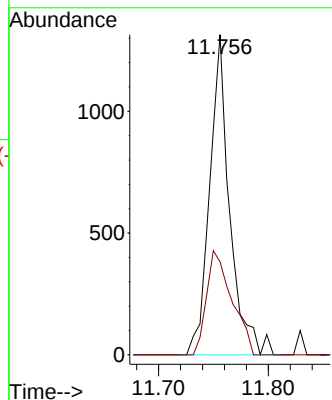
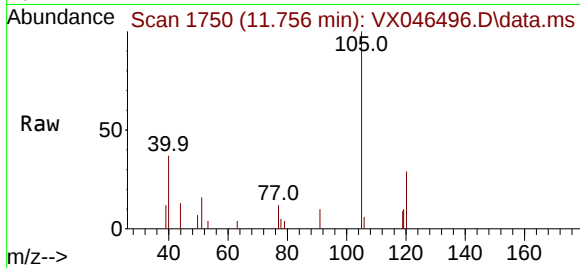




#84
1,2,4-Trimethylbenzene
Concen: 0.441 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Instrument :
MSVOA_X
ClientSampleId :
52525-B

Tgt Ion:105 Resp: 1668
Ion Ratio Lower Upper
105 100
120 41.2 21.2 63.6



#95
Naphthalene
Concen: 1.175 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046496.D
Acq: 04 Jun 2025 13:28

Tgt Ion:128 Resp: 4701
Ion Ratio Lower Upper
128 100
127 11.8 10.4 15.6
129 11.2 8.6 13.0

