

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046543.D
 Acq On : 06 Jun 2025 21:04
 Operator : JC/MD
 Sample : Q2236-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A4-05A-G

Quant Time: Jun 06 23:28:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

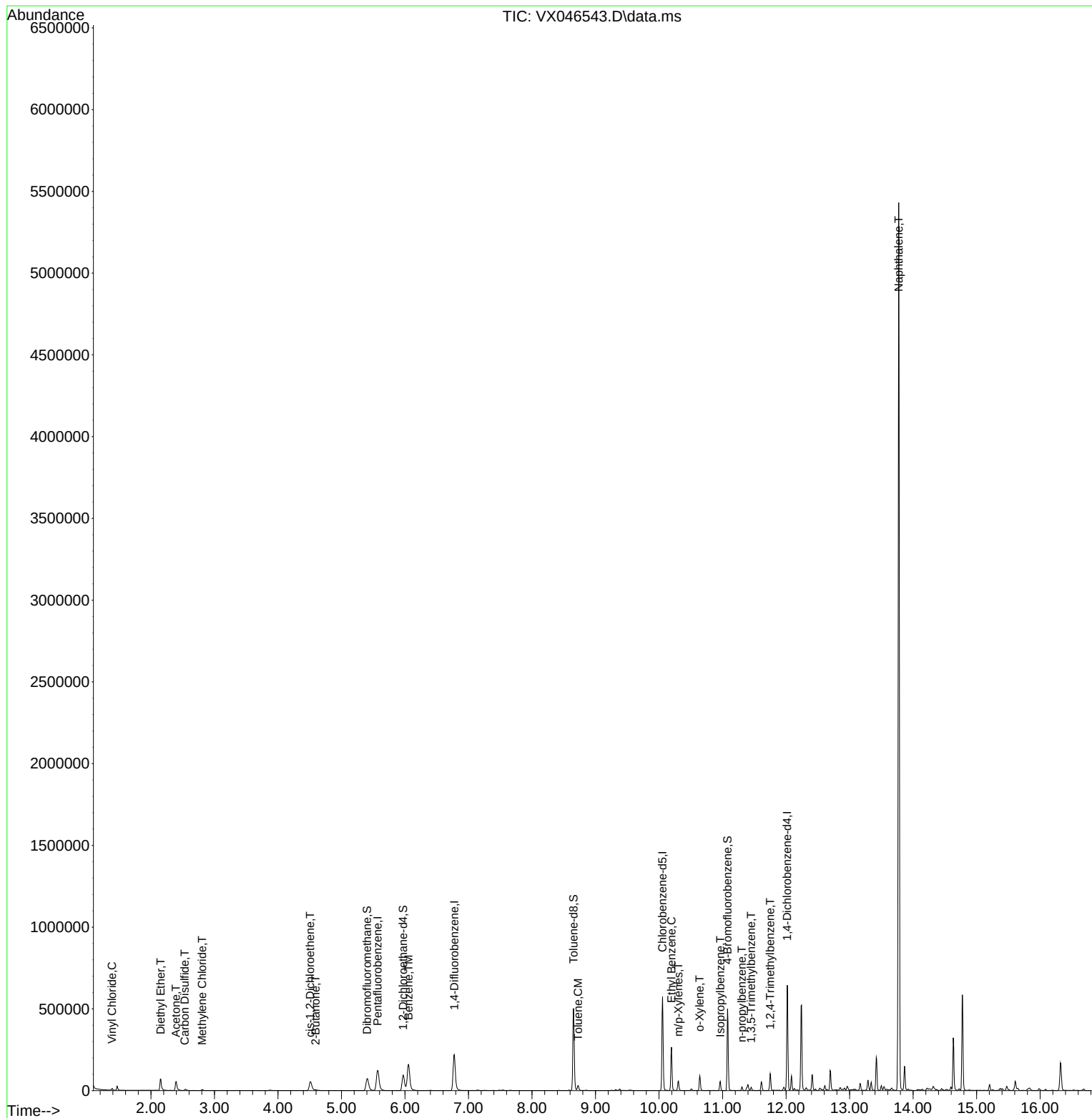
Internal Standards						
1) Pentafluorobenzene	5.568	168	116356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	222053	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	121052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	102305	49.420	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.840%		
35) Dibromofluoromethane	5.404	113	69694	42.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.360%		
50) Toluene-d8	8.653	98	285904	53.105	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.220%		
62) 4-Bromofluorobenzene	11.079	95	132764	59.603	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	119.200%		
Target Compounds					Qvalue	
4) Vinyl Chloride	1.386	62	6802	4.641	ug/l	100
8) Diethyl Ether	2.154	74	28628	33.411	ug/l	88
16) Acetone	2.392	43	69589	88.627	ug/l	98
17) Carbon Disulfide	2.532	76	3218	1.295	ug/l	97
20) Methylene Chloride	2.806	84	2777	1.672	ug/l	92
25) 2-Butanone	4.593	43	7366	6.392	ug/l	93
27) cis-1,2-Dichloroethene	4.507	96	36621	20.349	ug/l	88
40) Benzene	6.056	78	198876	30.286	ug/l	99
52) Toluene	8.726	92	11131	2.759	ug/l	98
67) Ethyl Benzene	10.195	91	145209	14.980	ug/l	99
68) m/p-Xylenes	10.305	106	13381	3.805	ug/l	100
69) o-Xylene	10.640	106	18460	5.428	ug/l	97
73) Isopropylbenzene	10.964	105	26996	2.837	ug/l	99
78) n-propylbenzene	11.305	91	13524	1.174	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	9115	1.149	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	43662	5.443	ug/l	100
95) Naphthalene	13.774	128	3091825	345.220	ug/l	99

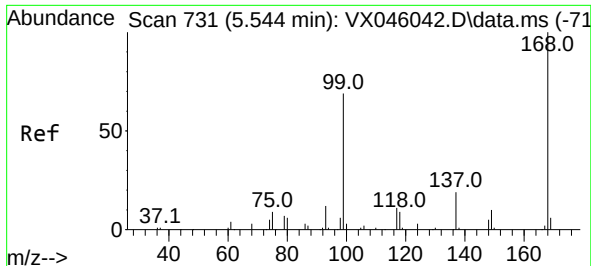
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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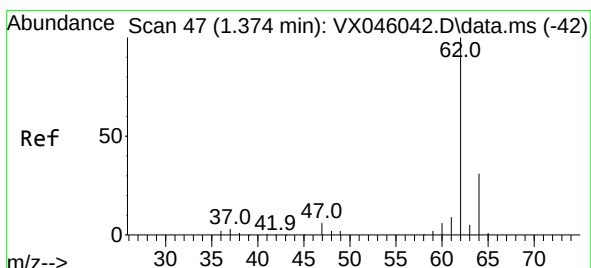
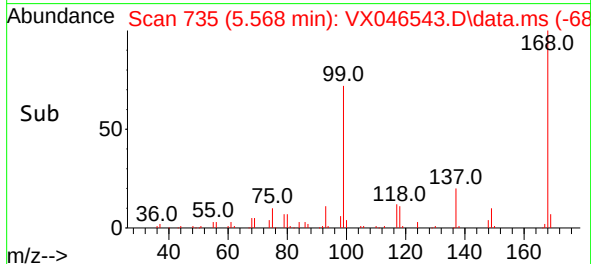
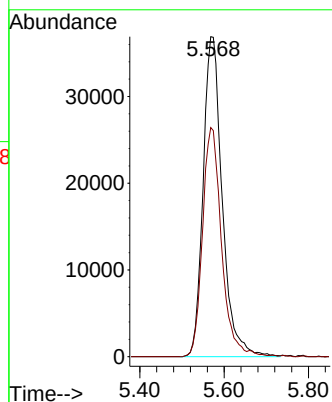
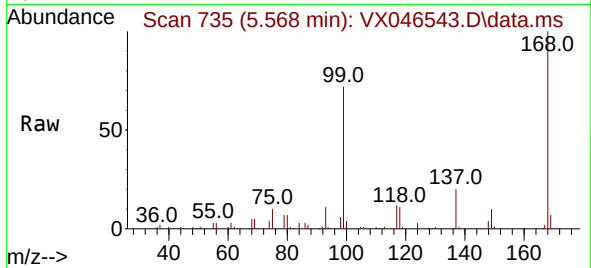




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

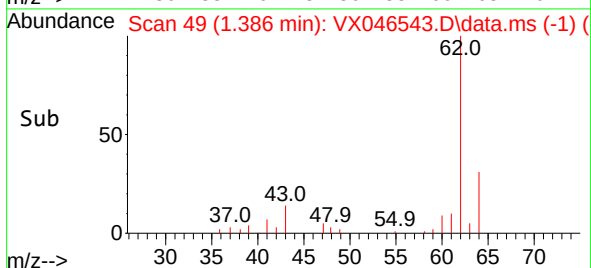
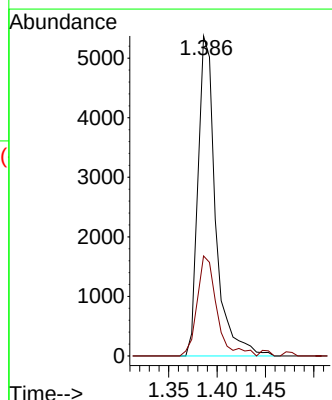
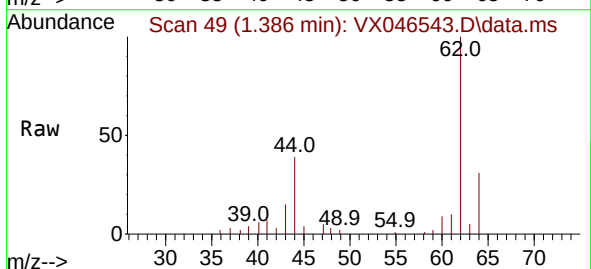
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-05A-G

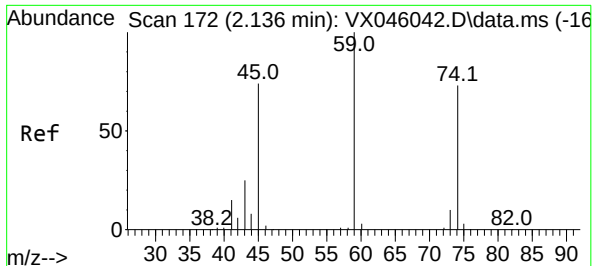
Tgt Ion:168 Resp: 116356
Ion Ratio Lower Upper
168 100
99 71.6 54.9 82.3



#4
Vinyl Chloride
Concen: 4.641 ug/l
RT: 1.386 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

Tgt Ion: 62 Resp: 6802
Ion Ratio Lower Upper
62 100
64 31.2 25.2 37.8

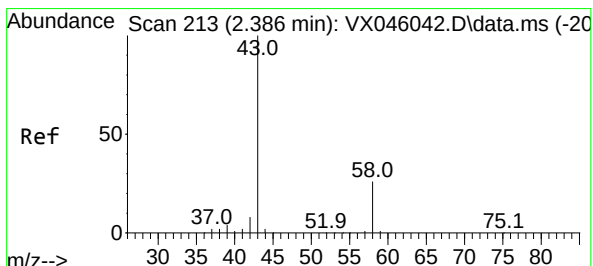
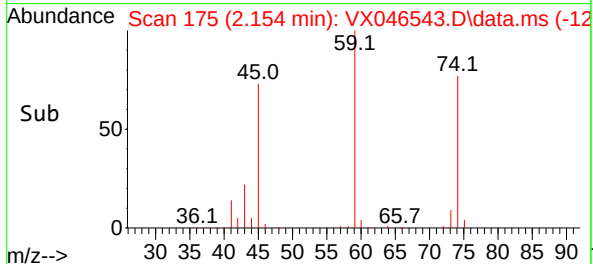
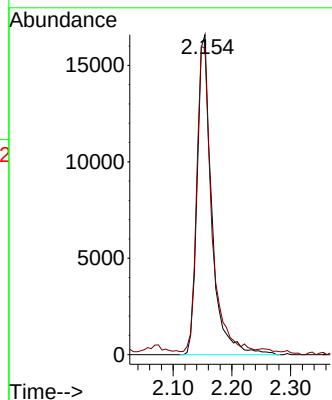
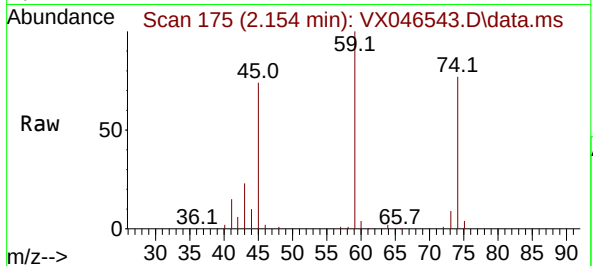




#8
Diethyl Ether
Concen: 33.411 ug/l
RT: 2.154 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

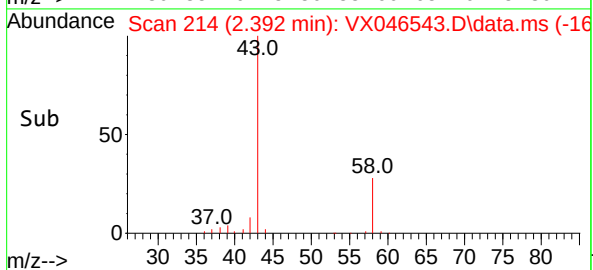
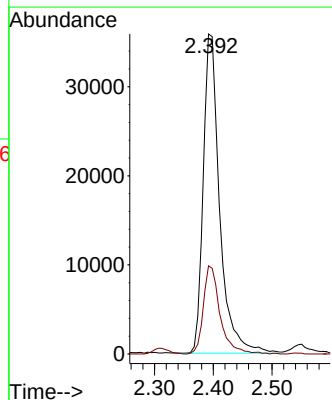
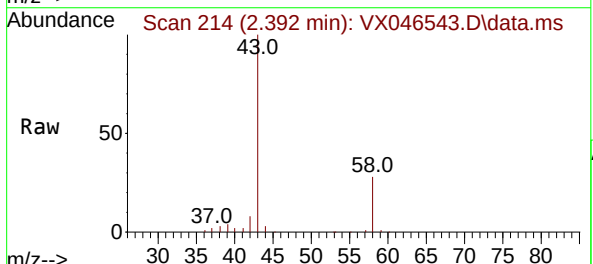
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-05A-G

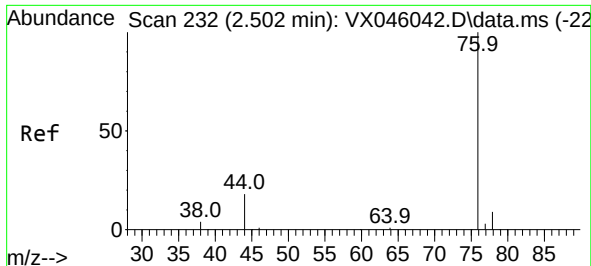
Tgt Ion: 74 Resp: 28628
Ion Ratio Lower Upper
74 100
45 97.4 54.9 164.8



#16
Acetone
Concen: 88.627 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

Tgt Ion: 43 Resp: 69589
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8

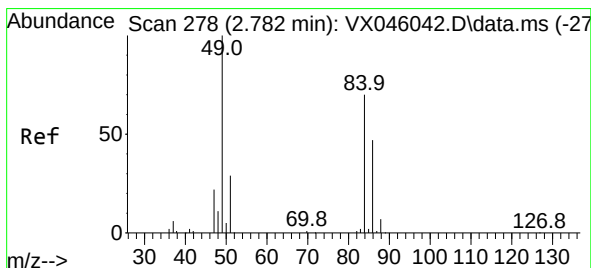
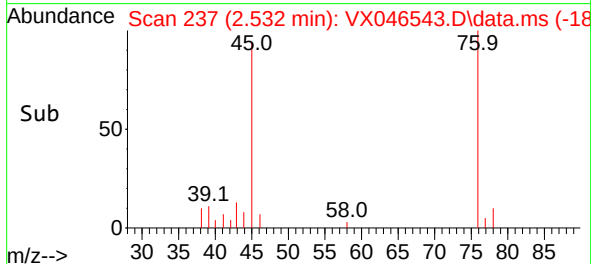
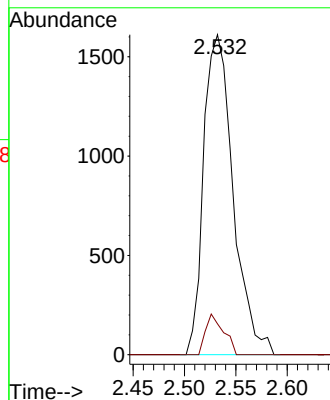
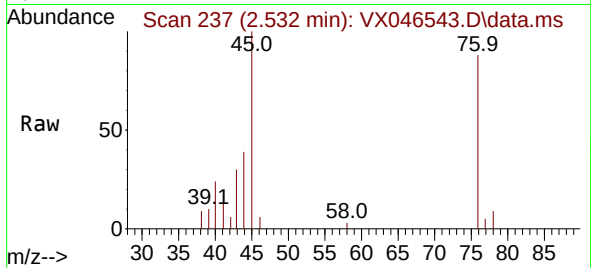




#17
Carbon Disulfide
Concen: 1.295 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

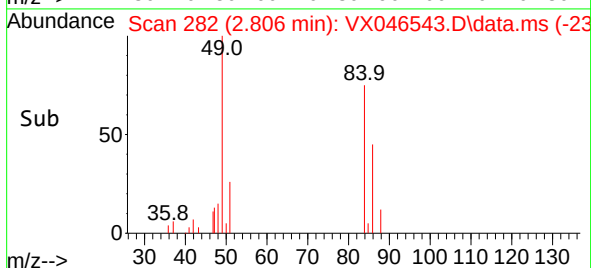
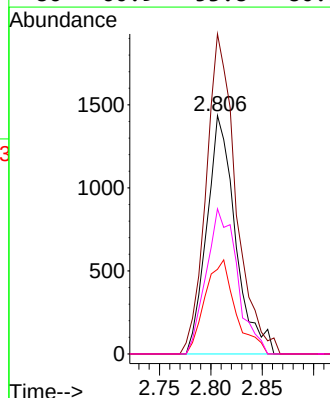
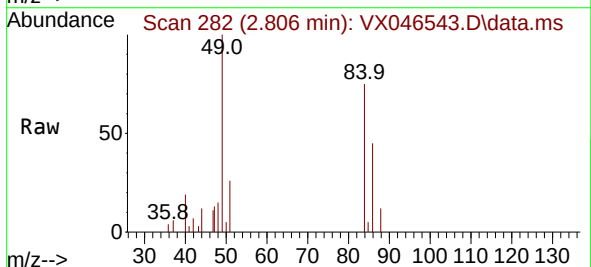
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-05A-G

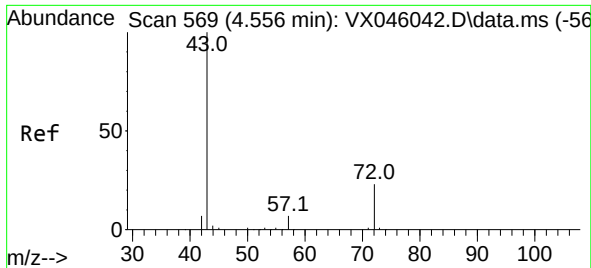
Tgt Ion: 76 Resp: 3218
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.4



#20
Methylene Chloride
Concen: 1.672 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

Tgt Ion: 84 Resp: 2777
Ion Ratio Lower Upper
84 100
49 134.2 113.9 170.9
51 35.5 33.5 50.3
86 60.9 53.8 80.8

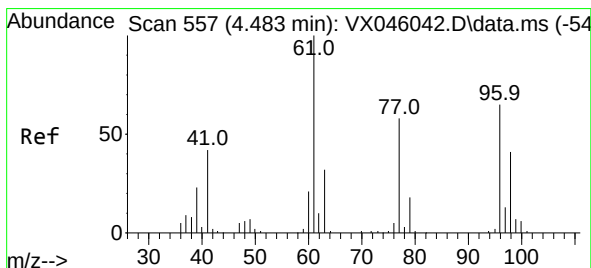
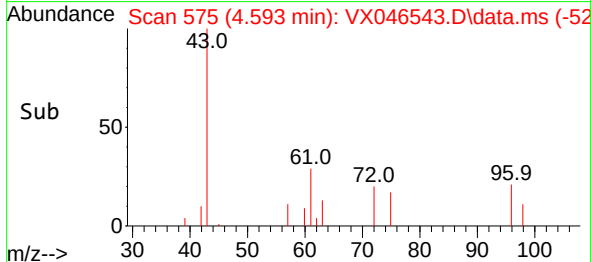
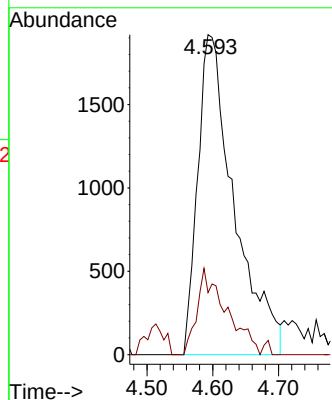
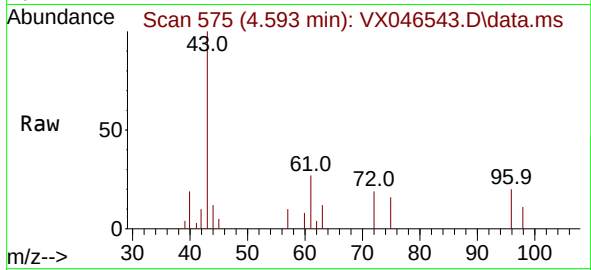




#25
2-Butanone
Concen: 6.392 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

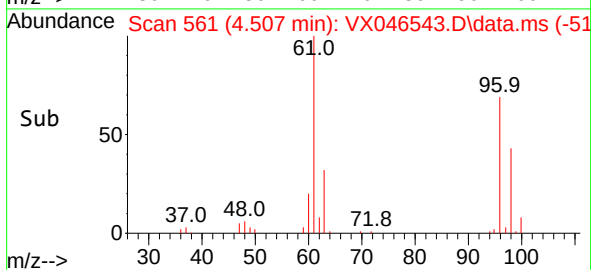
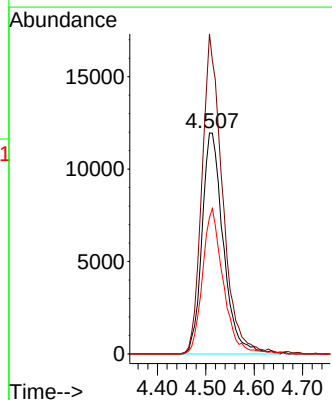
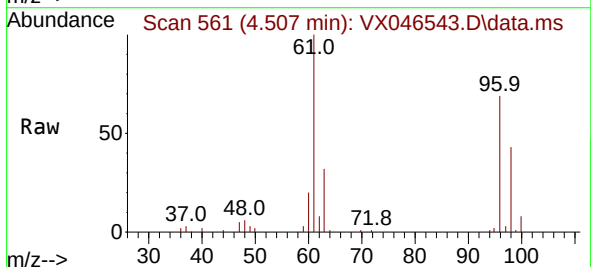
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-05A-G

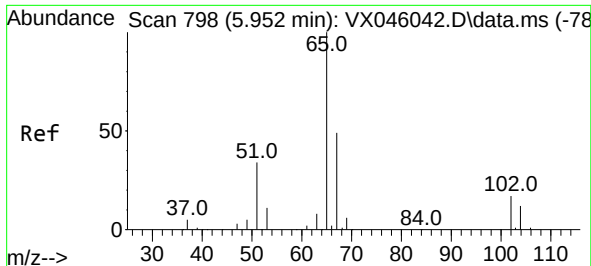
Tgt Ion: 43 Resp: 7366
Ion Ratio Lower Upper
43 100
72 19.4 18.4 27.6



#27
cis-1,2-Dichloroethene
Concen: 20.349 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

Tgt Ion: 96 Resp: 36621
Ion Ratio Lower Upper
96 100
61 139.5 0.0 322.8
98 64.0 0.0 129.0

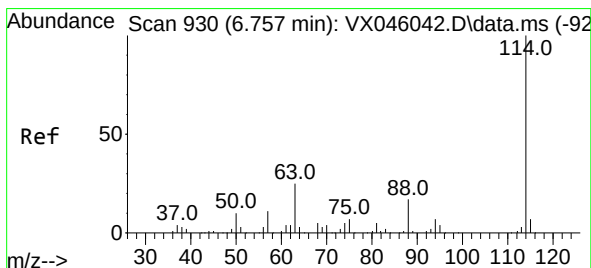
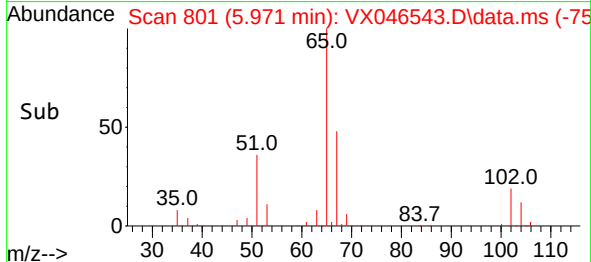
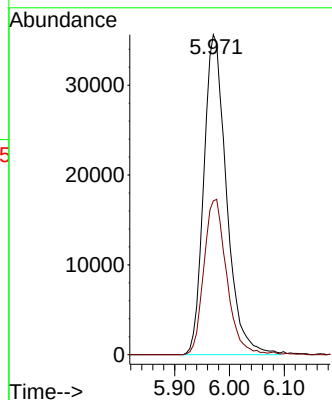
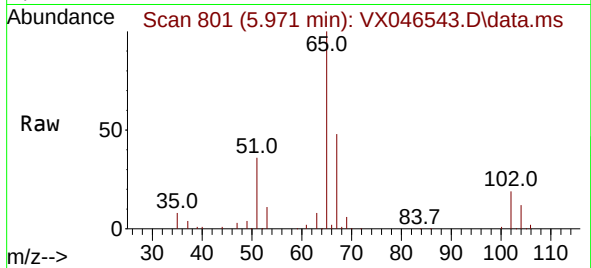




#33
 1,2-Dichloroethane-d4
 Concen: 49.420 ug/l
 RT: 5.971 min Scan# 801
 Delta R.T. 0.001 min
 Lab File: VX046543.D
 Acq: 06 Jun 2025 21:04

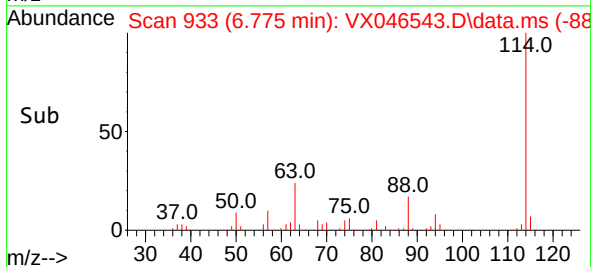
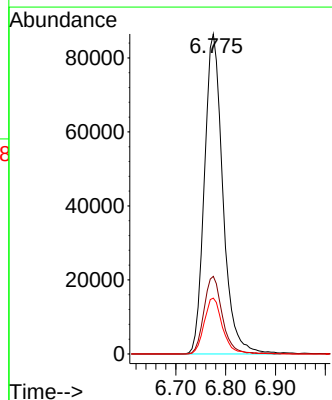
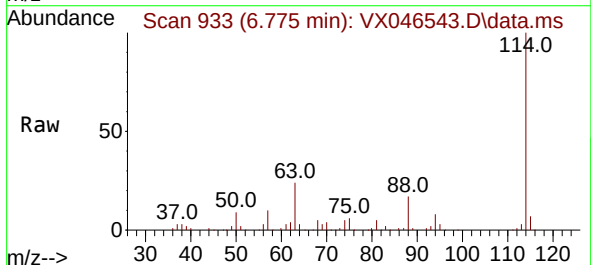
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A4-05A-G

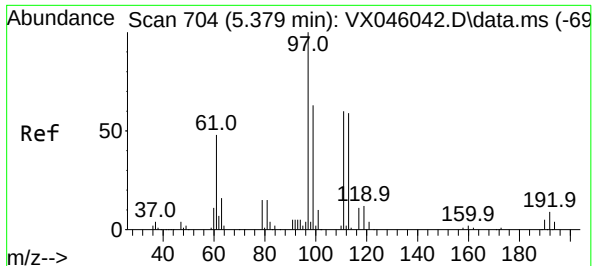
Tgt Ion: 65 Resp: 102305
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.775 min Scan# 933
 Delta R.T. 0.000 min
 Lab File: VX046543.D
 Acq: 06 Jun 2025 21:04

Tgt Ion: 114 Resp: 222053
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 17.4 0.0 33.6

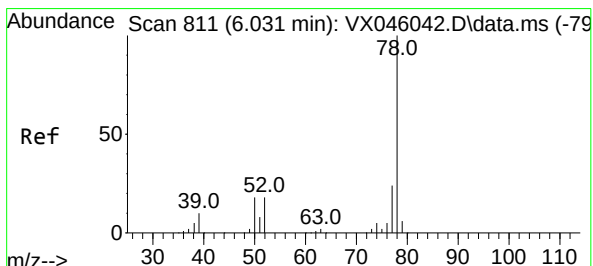
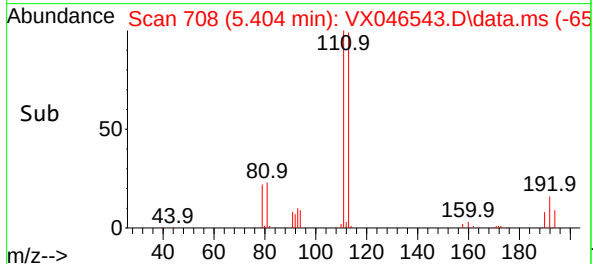
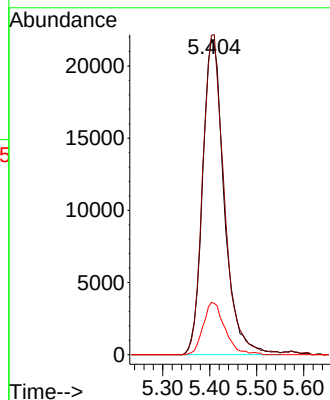
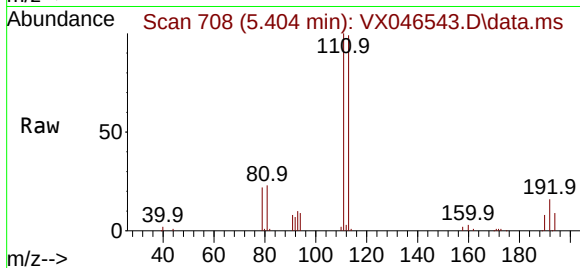




#35
Dibromofluoromethane
Concen: 42.679 ug/l
RT: 5.404 min Scan# 704
Delta R.T. 0.001 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

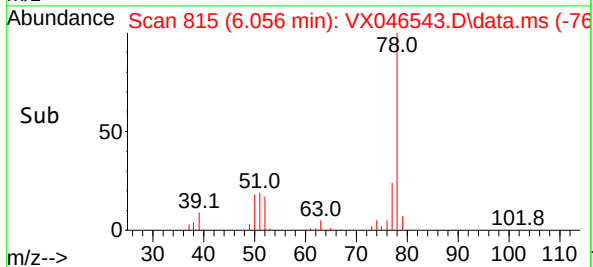
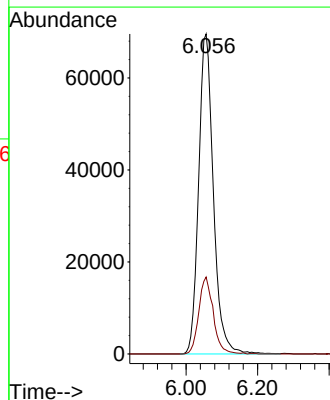
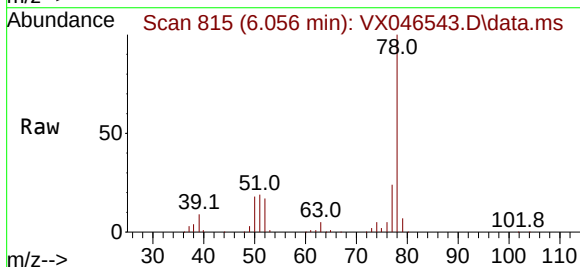
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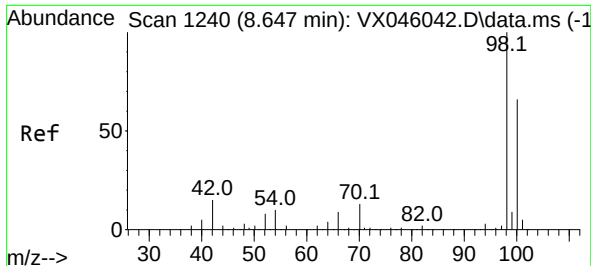
Tgt Ion:113 Resp: 69694
Ion Ratio Lower Upper
113 100
111 101.1 83.1 124.7
192 16.5 13.3 19.9



#40
Benzene
Concen: 30.286 ug/l
RT: 6.056 min Scan# 815
Delta R.T. -0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

Tgt Ion: 78 Resp: 198876
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4

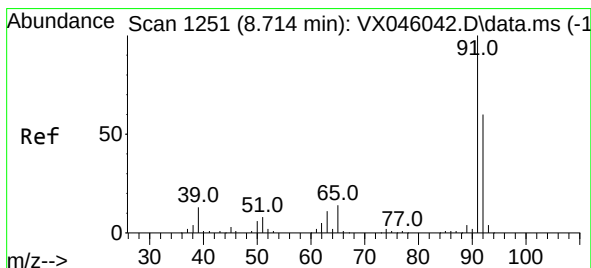
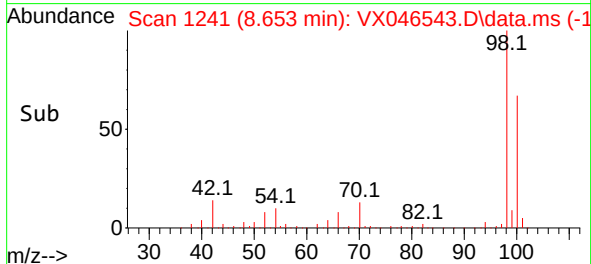
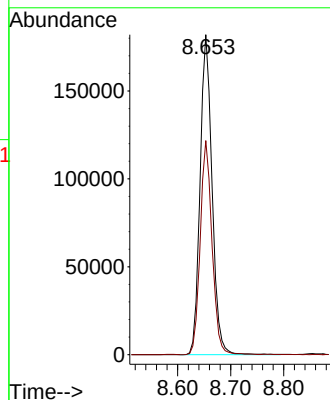
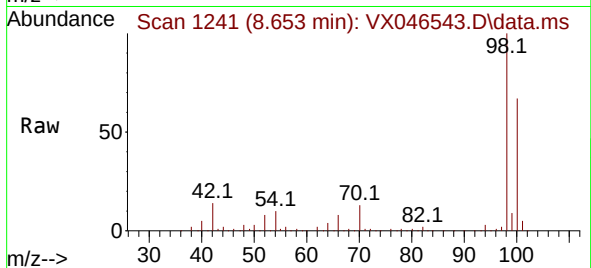




#50
Toluene-d8
Concen: 53.105 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

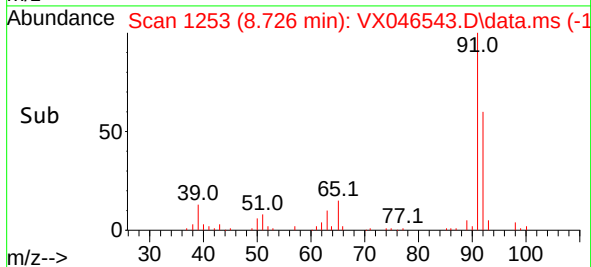
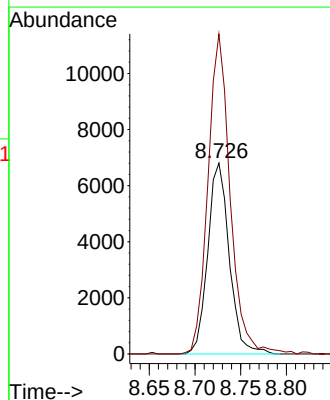
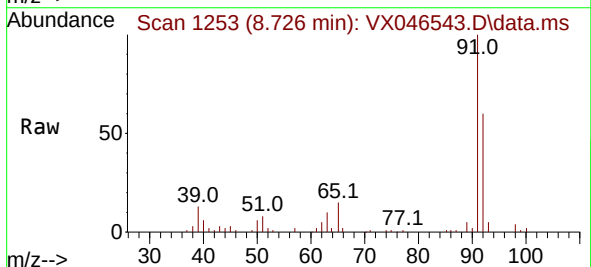
Instrument :
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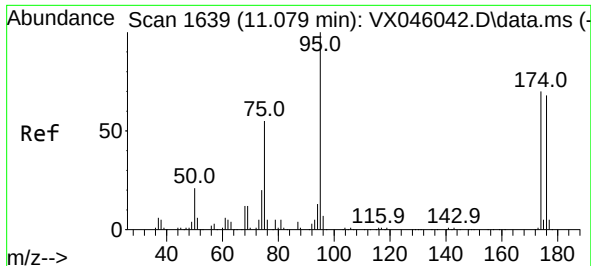
Tgt Ion: 98 Resp: 285904
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3



#52
Toluene
Concen: 2.759 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

Tgt Ion: 92 Resp: 11131
Ion Ratio Lower Upper
92 100
91 173.0 136.6 205.0

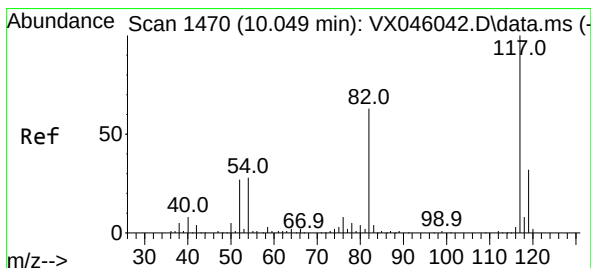
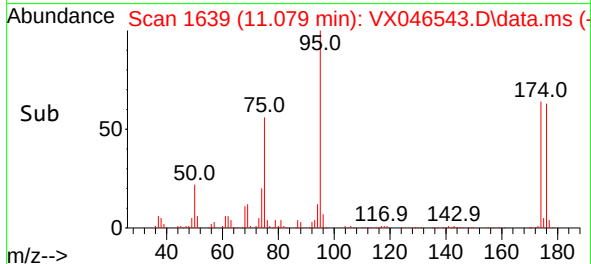
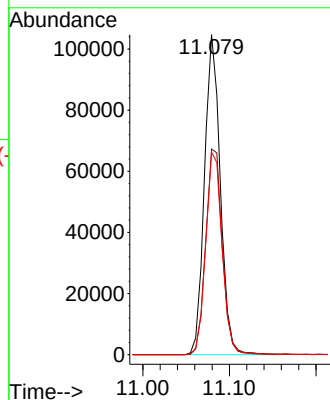
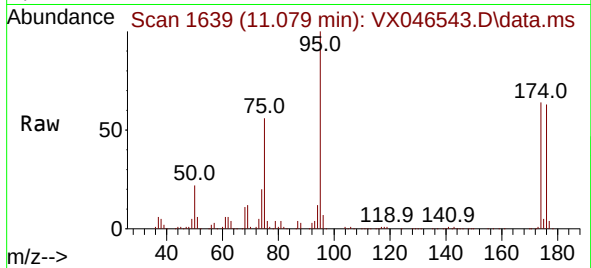




#62
4-Bromofluorobenzene
Concen: 59.603 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

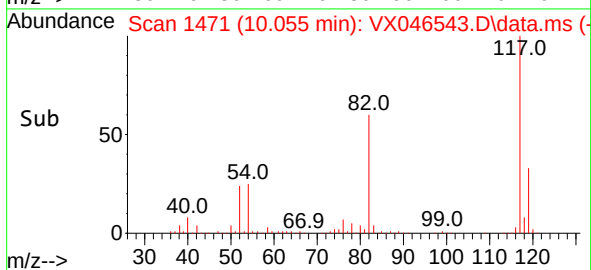
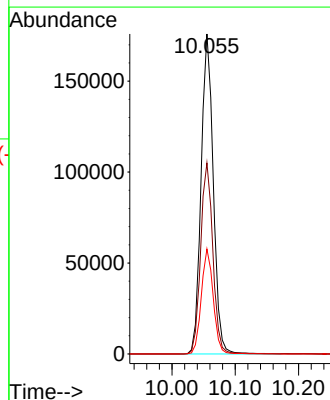
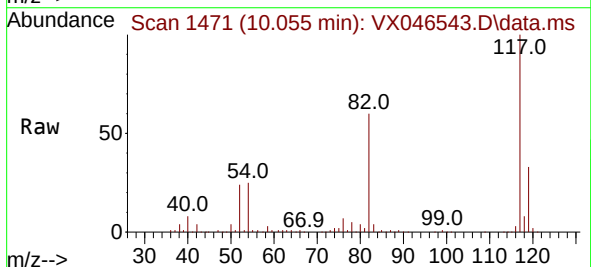
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-05A-G

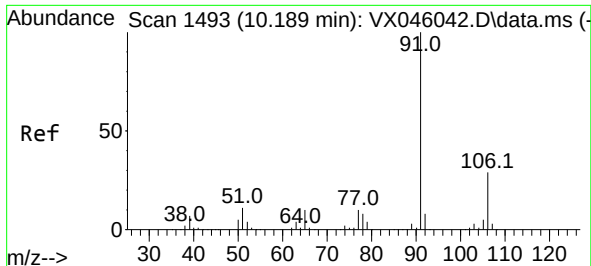
Tgt Ion: 95 Resp: 132764
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.8
176 65.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

Tgt Ion: 117 Resp: 236087
Ion Ratio Lower Upper
117 100
82 59.7 50.6 76.0
119 32.8 25.8 38.6





#67

Ethyl Benzene

Concen: 14.980 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX046543.D

Acq: 06 Jun 2025 21:04

Instrument :

MSVOA_X

ClientSampleId :

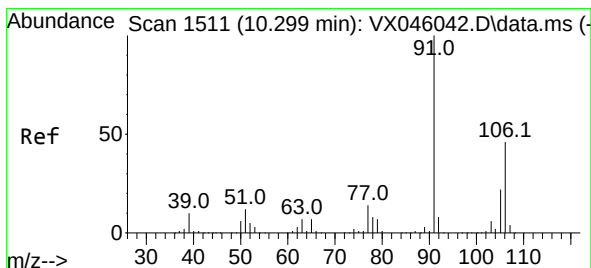
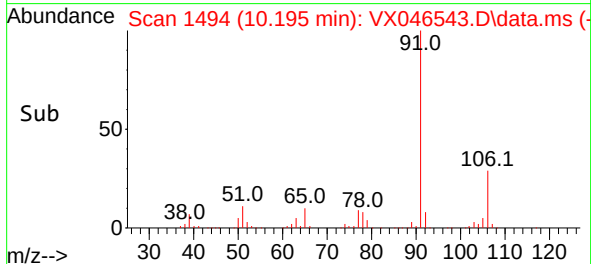
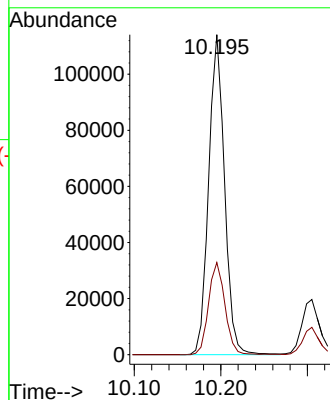
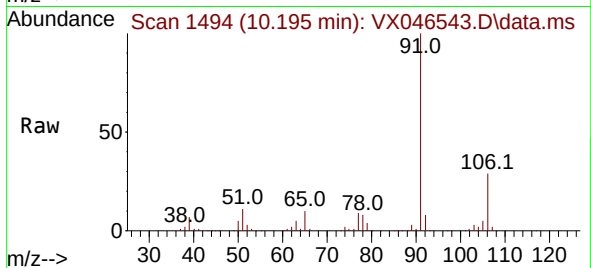
WC-A4-05A-G

Tgt Ion: 91 Resp: 145209

Ion Ratio Lower Upper

91 100

106 28.8 23.4 35.2



#68

m/p-Xylenes

Concen: 3.805 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046543.D

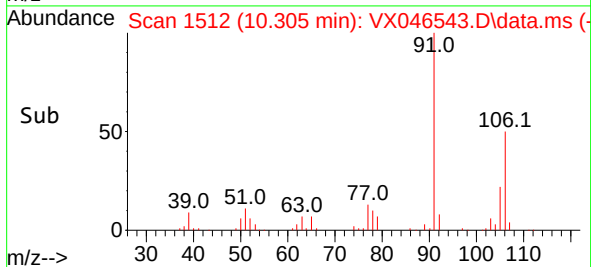
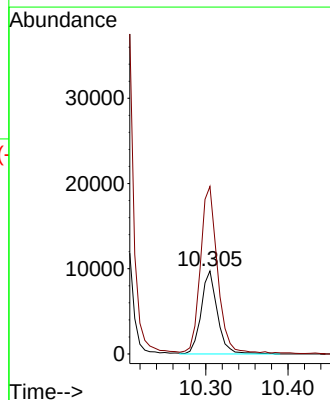
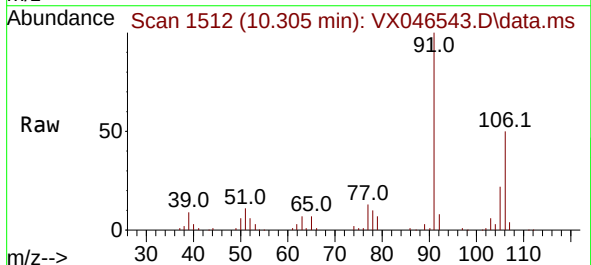
Acq: 06 Jun 2025 21:04

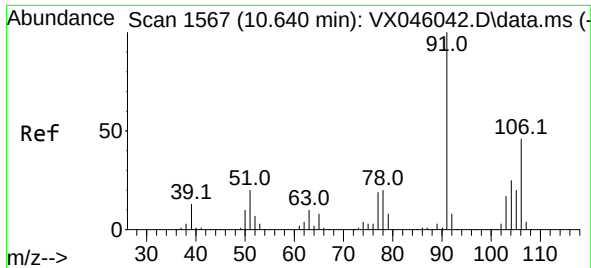
Tgt Ion:106 Resp: 13381

Ion Ratio Lower Upper

106 100

91 213.9 171.2 256.8

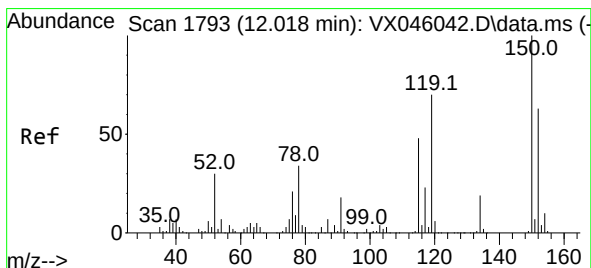
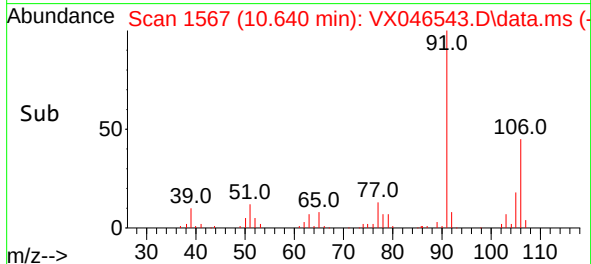
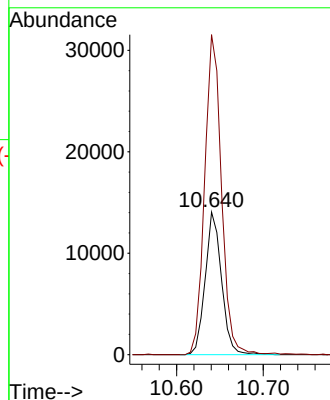
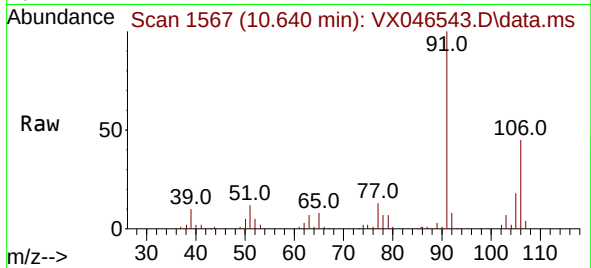




#69
o-Xylene
Concen: 5.428 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

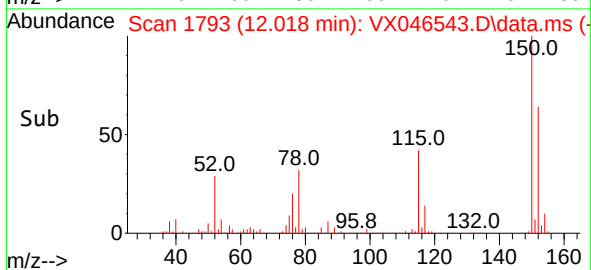
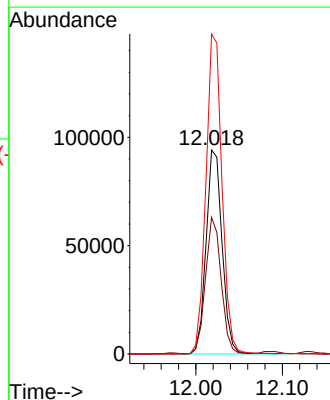
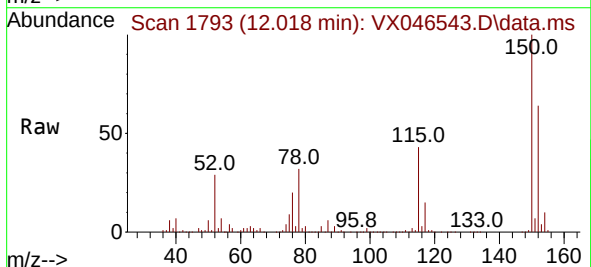
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-05A-G

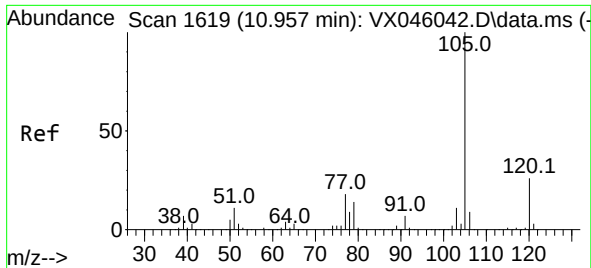
Tgt Ion:106 Resp: 18460
Ion Ratio Lower Upper
106 100
91 230.1 112.7 338.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

Tgt Ion:152 Resp: 121052
Ion Ratio Lower Upper
152 100
115 65.1 46.9 140.7
150 157.3 0.0 351.0

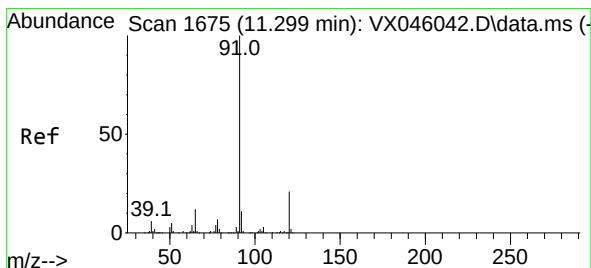
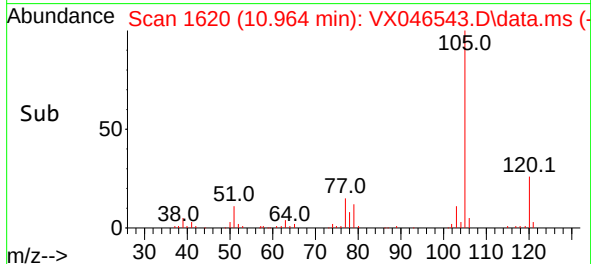
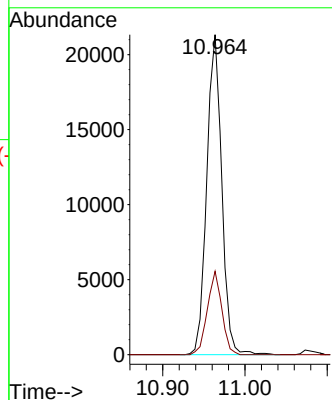
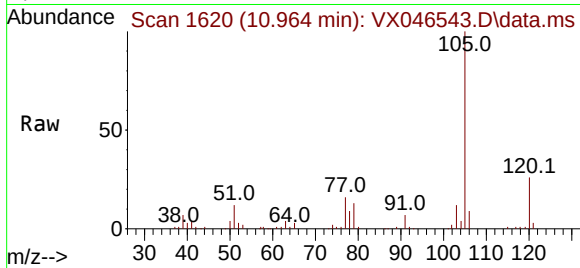




#73
Isopropylbenzene
Concen: 2.837 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

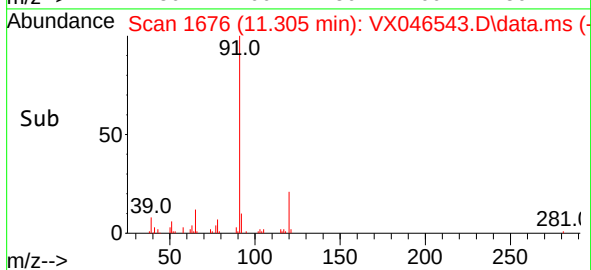
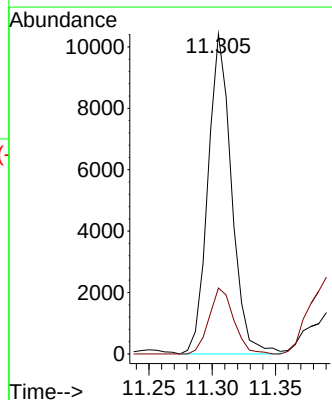
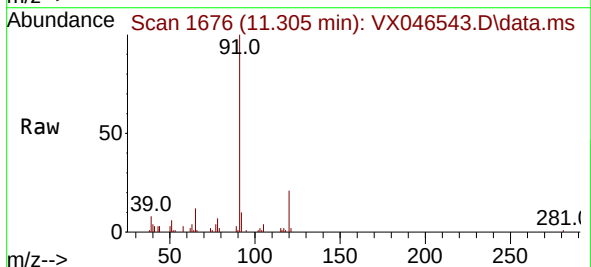
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-05A-G

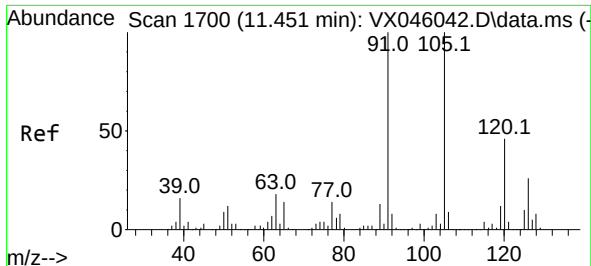
Tgt Ion:105 Resp: 26996
Ion Ratio Lower Upper
105 100
120 25.1 12.8 38.4



#78
n-propylbenzene
Concen: 1.174 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

Tgt Ion: 91 Resp: 13524
Ion Ratio Lower Upper
91 100
120 21.5 10.8 32.4

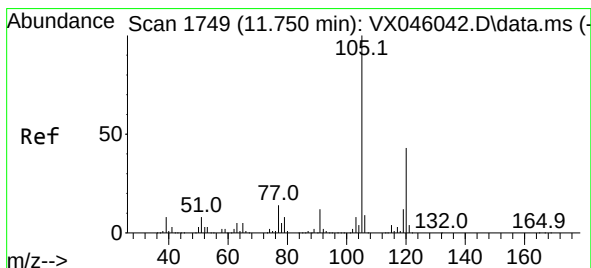
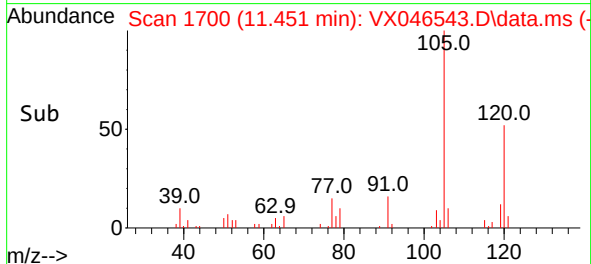
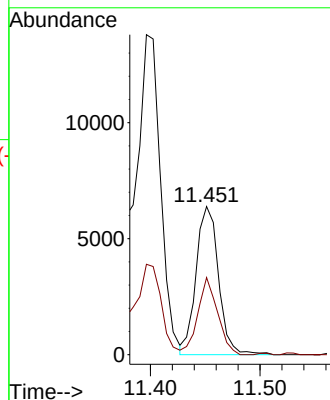
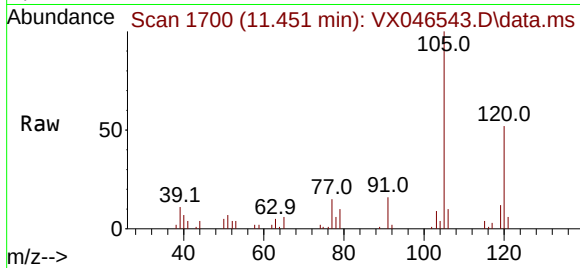




#80
1,3,5-Trimethylbenzene
Concen: 1.149 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

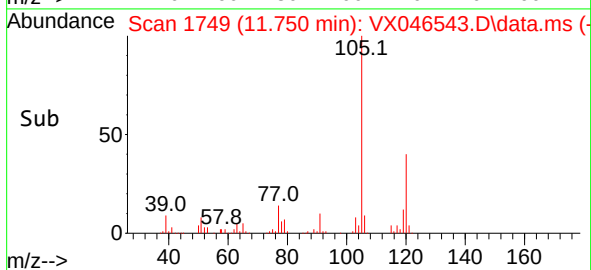
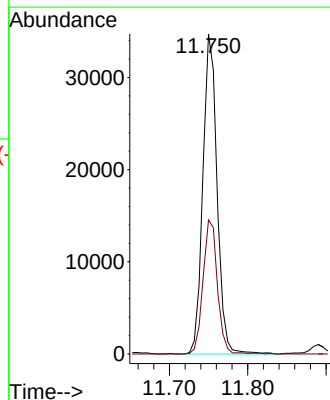
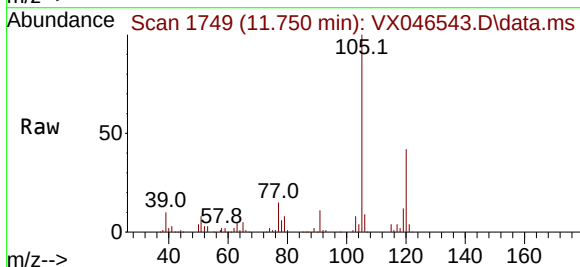
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-05A-G

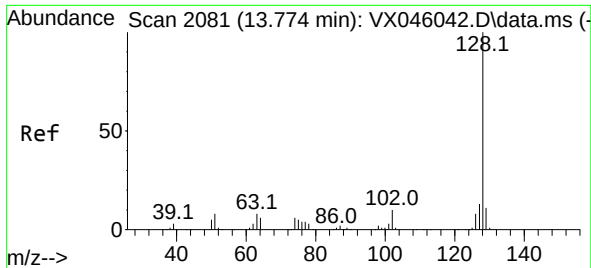
Tgt Ion:105 Resp: 9115
Ion Ratio Lower Upper
105 100
120 45.8 23.1 69.2



#84
1,2,4-Trimethylbenzene
Concen: 5.443 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

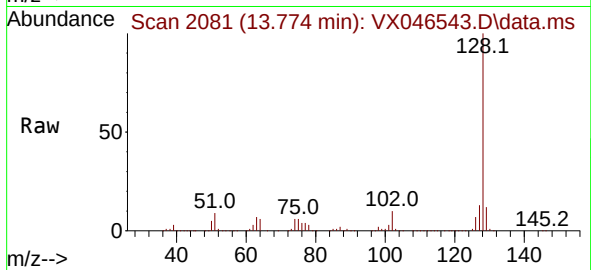
Tgt Ion:105 Resp: 43662
Ion Ratio Lower Upper
105 100
120 42.5 21.2 63.6





#95
Naphthalene
Concen: 345.220 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046543.D
Acq: 06 Jun 2025 21:04

Instrument :
MSVOA_X
ClientSampleId :
WC-A4-05A-G



Tgt Ion:128 Resp: 3091825
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.3 8.6 13.0

