

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046510.D
 Acq On : 04 Jun 2025 19:00
 Operator : JC/MD
 Sample : Q2200-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-060325

Quant Time: Jun 05 02:07:12 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)

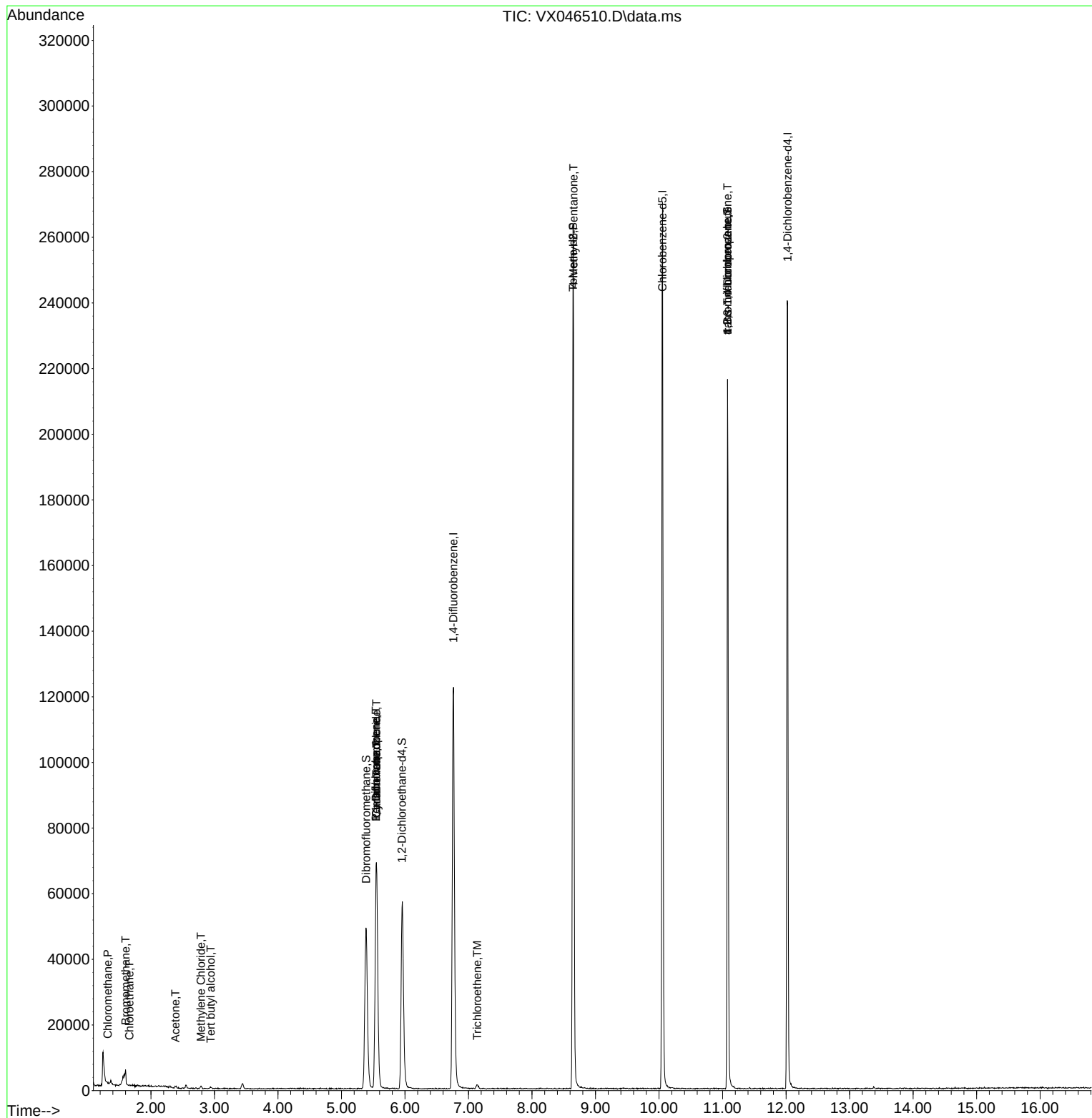
Internal Standards						
1) Pentafluorobenzene	5.543	168	58762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	118020	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58326	53.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.480%	
35) Dibromofluoromethane	5.385	113	42480	49.984	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.960%	
50) Toluene-d8	8.646	98	146129	49.678	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.360%	
62) 4-Bromofluorobenzene	11.079	95	57197	50.692	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.318	50	501	0.574	ug/l #	43
5) Bromomethane	1.599	94	86	0.228	ug/l	99
6) Chloroethane	1.660	64	349	0.805	ug/l #	44
11) Tert butyl alcohol	2.940	59	46	0.299	ug/l #	72
16) Acetone	2.385	43	841	1.915	ug/l #	75
20) Methylene Chloride	2.788	84	363	0.431	ug/l #	50
31) Cyclohexane	5.549	56	1778	1.362	ug/l #	34
36) 1,1-Dichloropropene	5.543	75	5921	5.185	ug/l #	51
38) Carbon Tetrachloride	5.549	117	7021	5.472	ug/l #	16
44) Trichloroethene	7.135	130	532	0.661	ug/l	88
51) 4-Methyl-2-Pentanone	8.653	43	753	0.527	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	32946	28.562	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32946	92.988	ug/l #	1

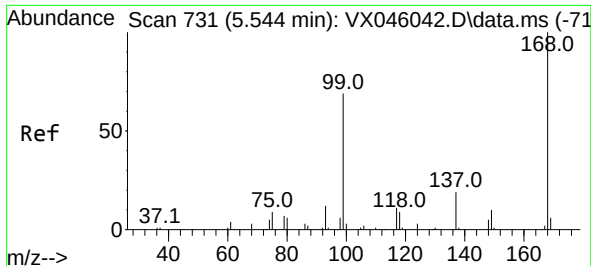
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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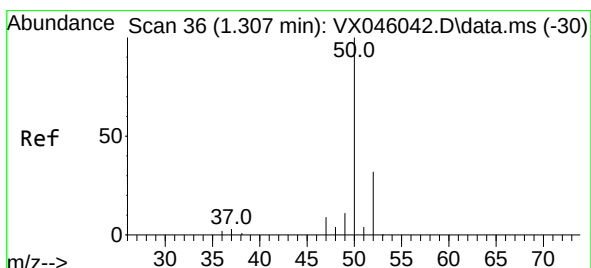
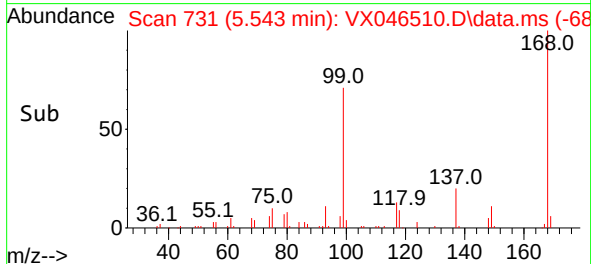
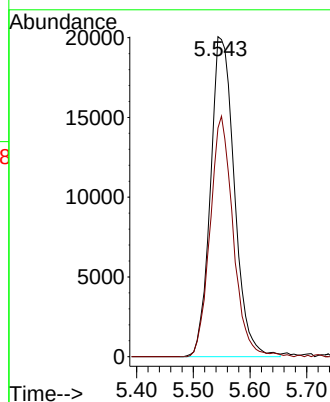
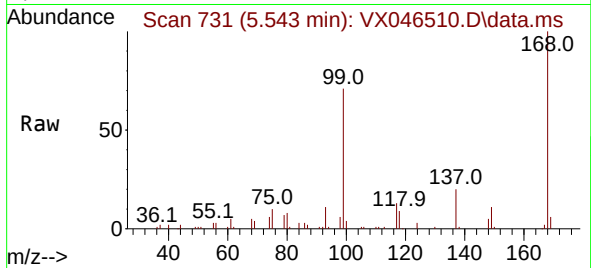




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

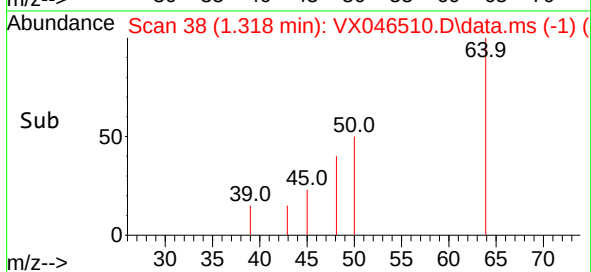
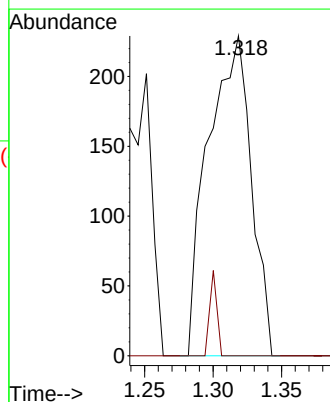
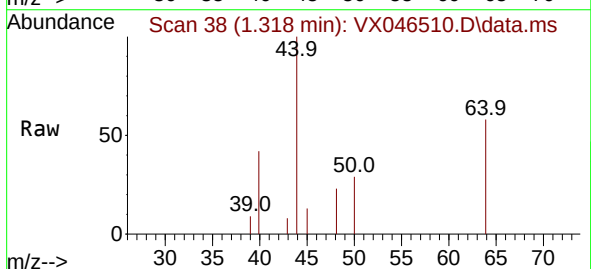
Instrument :
MSVOA_X
ClientSampleId :
TB-01-060325

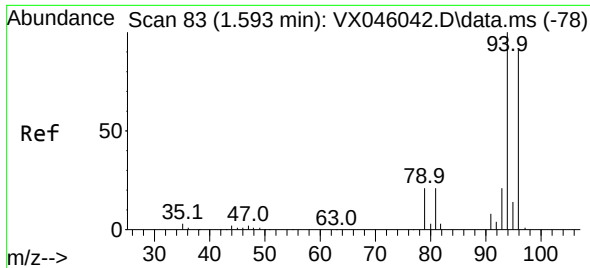
Tgt Ion:168 Resp: 58762
Ion Ratio Lower Upper
168 100
99 71.4 54.9 82.3



#3
Chloromethane
Concen: 0.574 ug/l
RT: 1.318 min Scan# 38
Delta R.T. 0.012 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

Tgt Ion: 50 Resp: 501
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

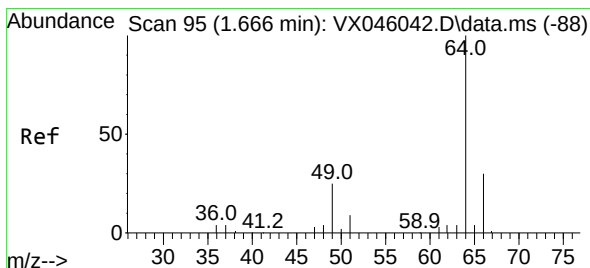
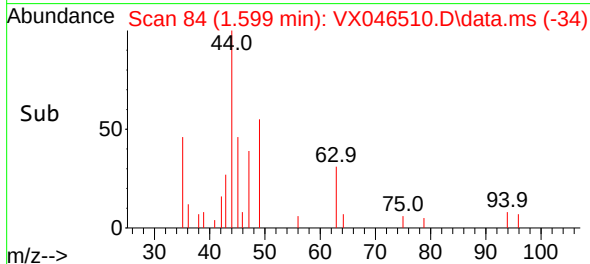
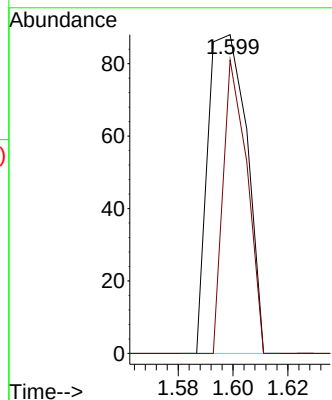
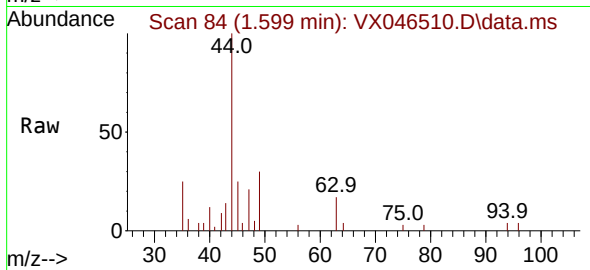




#5
Bromomethane
Concen: 0.228 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

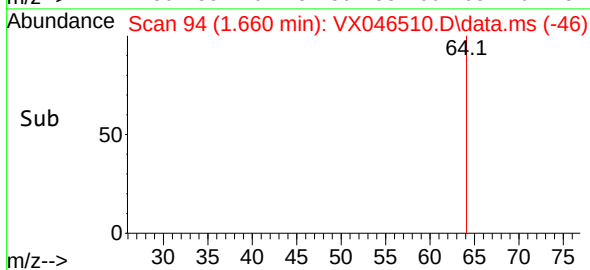
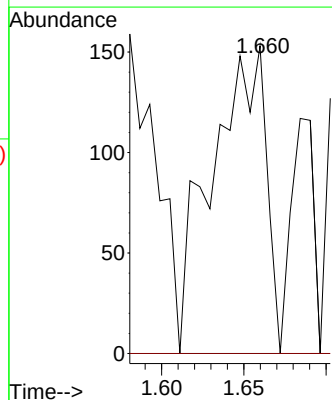
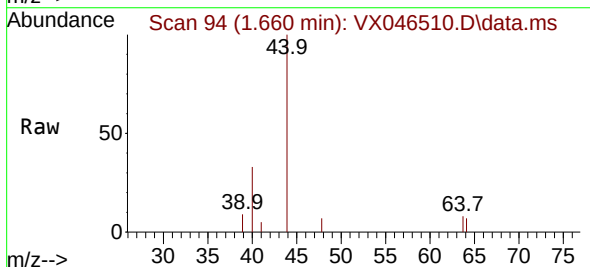
Instrument :
MSVOA_X
ClientSampleId :
TB-01-060325

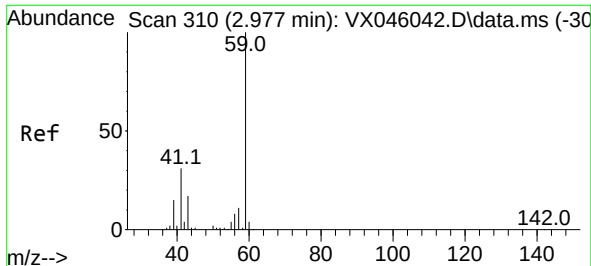
Tgt Ion: 94 Resp: 86
Ion Ratio Lower Upper
94 100
96 92.0 72.8 109.2



#6
Chloroethane
Concen: 0.805 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.007 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

Tgt Ion: 64 Resp: 349
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#





#11

Tert butyl alcohol

Concen: 0.299 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.037 min

Lab File: VX046510.D

Acq: 04 Jun 2025 19:00

Instrument :

MSVOA_X

ClientSampleId :

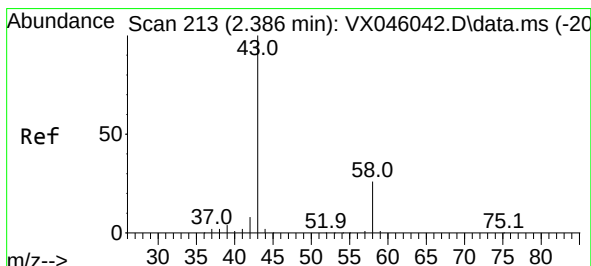
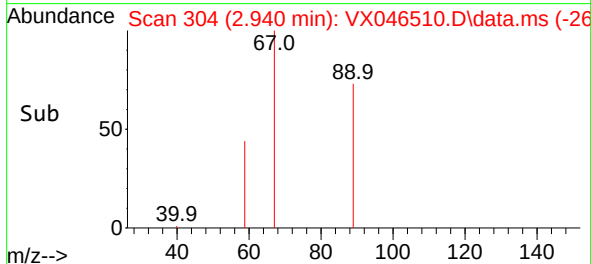
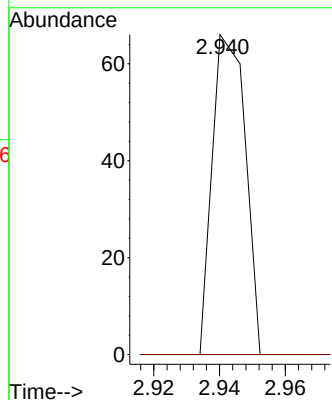
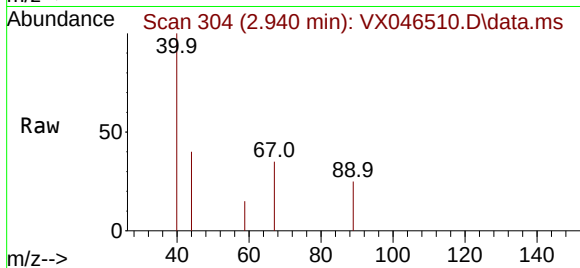
TB-01-060325

Tgt Ion: 59 Resp: 46

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#16

Acetone

Concen: 1.915 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX046510.D

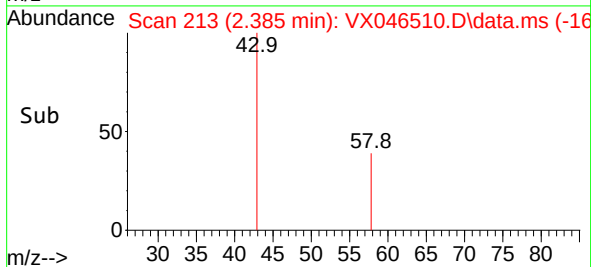
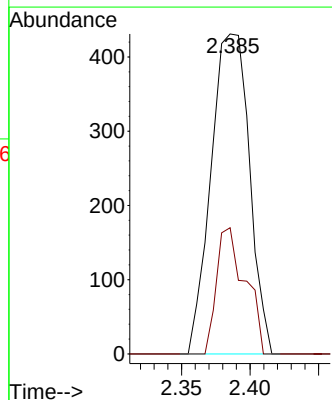
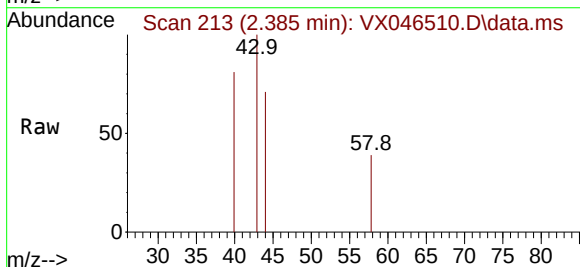
Acq: 04 Jun 2025 19:00

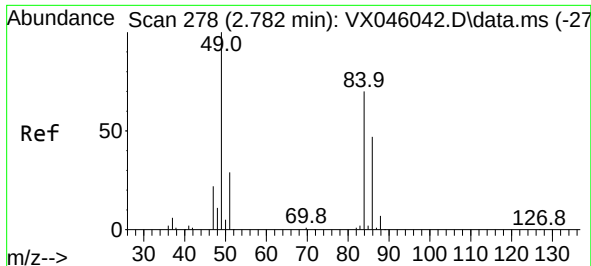
Tgt Ion: 43 Resp: 841

Ion Ratio Lower Upper

43 100

58 39.4 21.2 31.8#

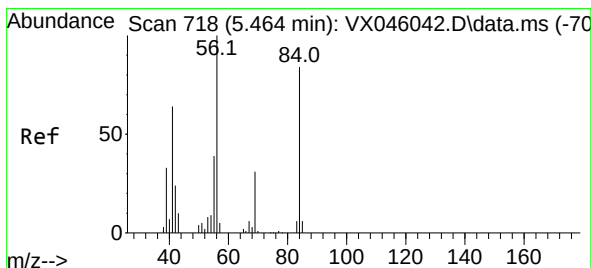
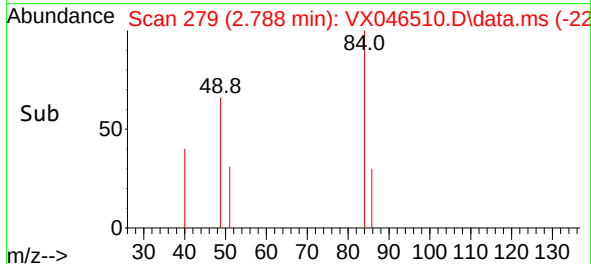
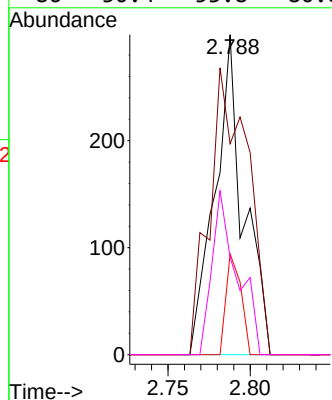
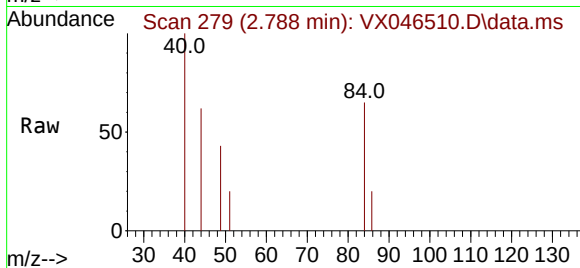




#20
Methylene Chloride
Concen: 0.431 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

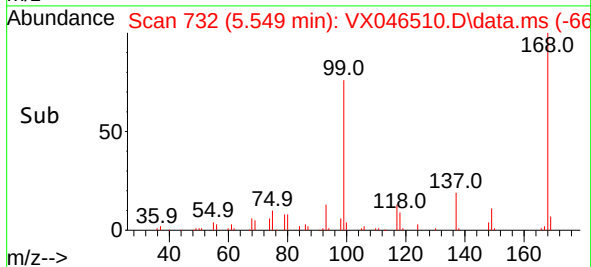
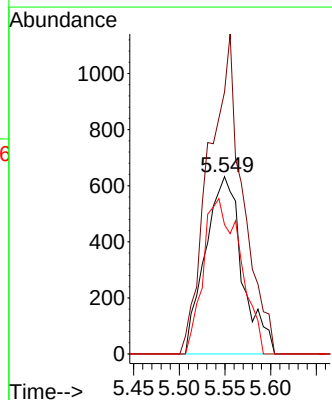
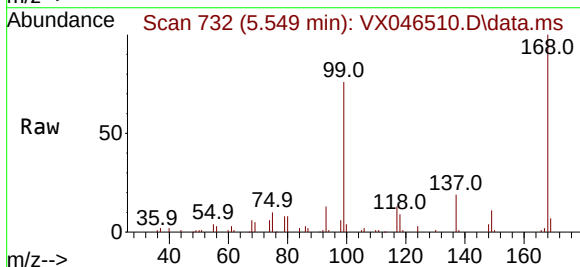
Instrument :
MSVOA_X
ClientSampleId :
TB-01-060325

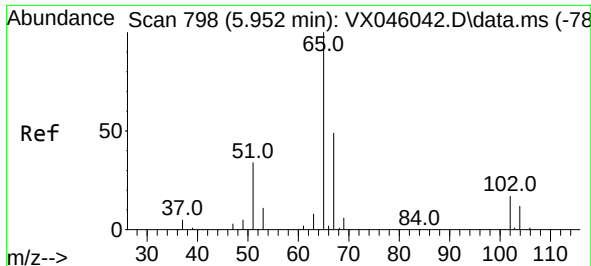
Tgt Ion:	84	Resp:	363
Ion	Ratio	Lower	Upper
84	100		
49	65.9	113.9	170.9#
51	31.4	33.5	50.3#
86	30.4	53.8	80.8#



#31
Cyclohexane
Concen: 1.362 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

Tgt Ion:	56	Resp:	1778
Ion	Ratio	Lower	Upper
56	100		
69	147.8	24.4	36.6#
84	72.9	66.9	100.3

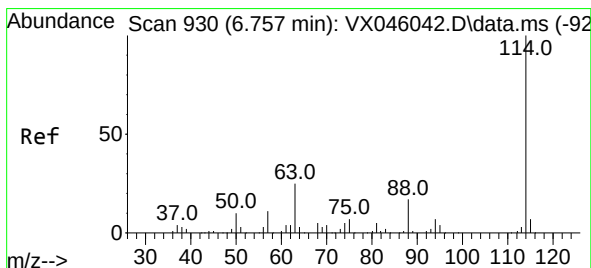
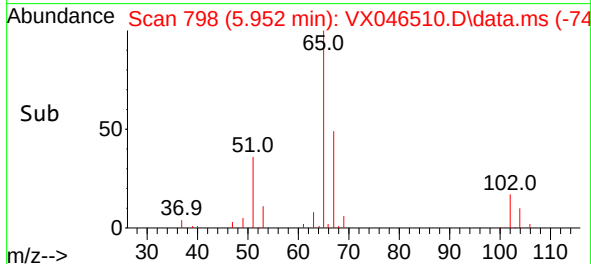
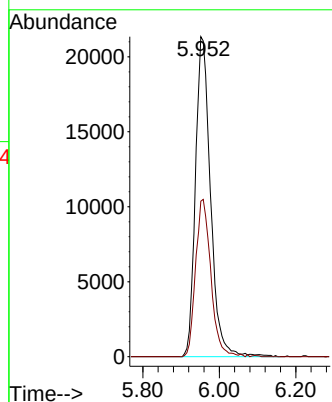
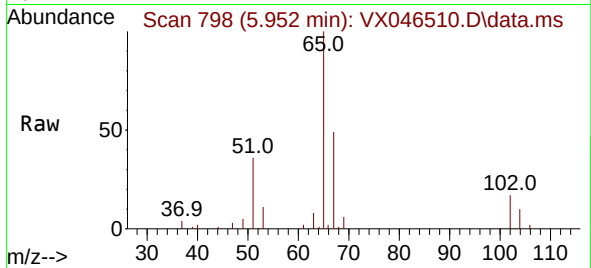




#33
 1,2-Dichloroethane-d4
 Concen: 53.241 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046510.D
 Acq: 04 Jun 2025 19:00

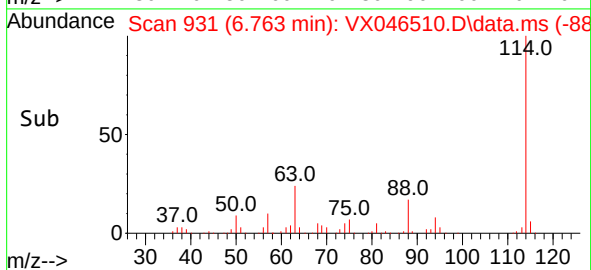
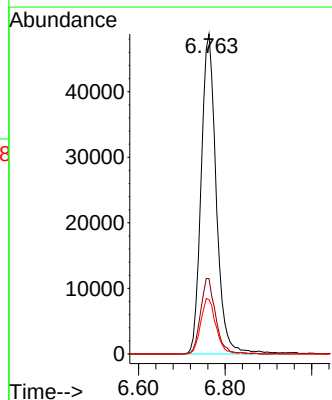
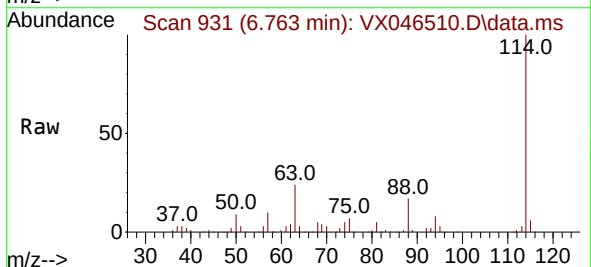
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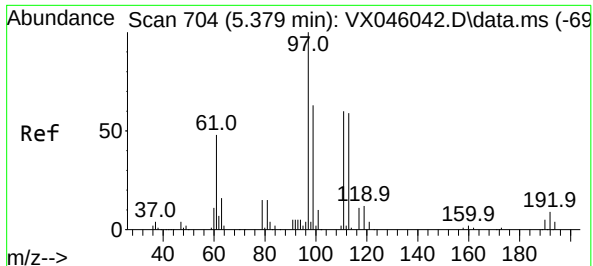
Tgt Ion: 65 Resp: 58326
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX046510.D
 Acq: 04 Jun 2025 19:00

Tgt Ion: 114 Resp: 118020
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 49.2
 88 17.0 0.0 33.6

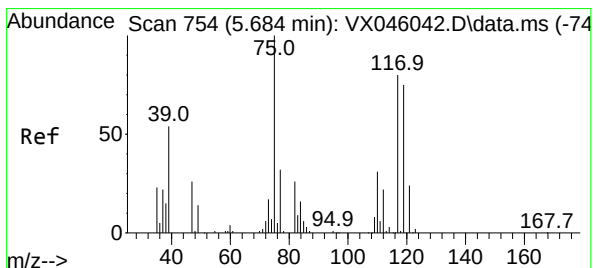
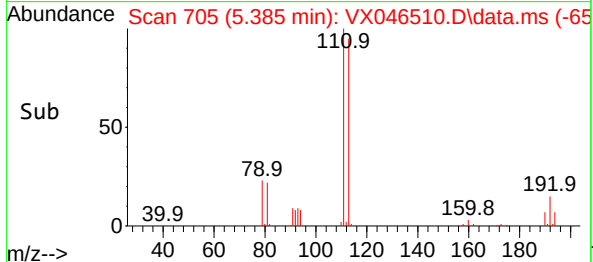
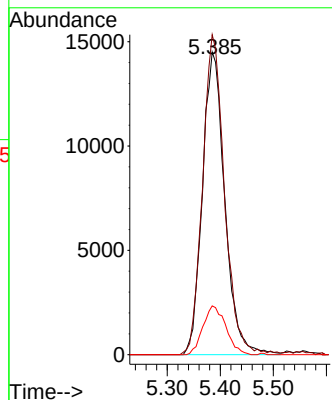
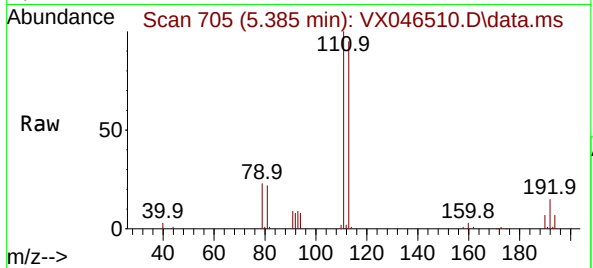




#35
 Dibromofluoromethane
 Concen: 49.984 ug/l
 RT: 5.385 min Scan# 704
 Delta R.T. 0.006 min
 Lab File: VX046510.D
 Acq: 04 Jun 2025 19:00

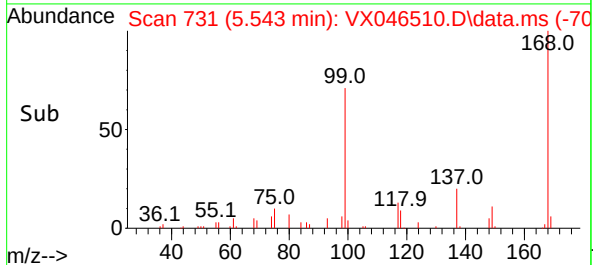
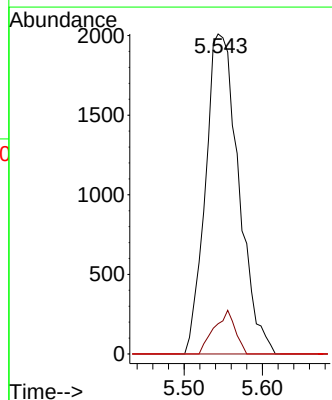
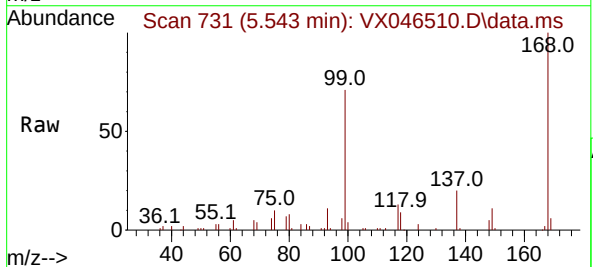
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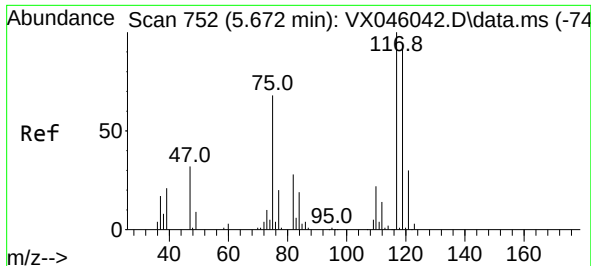
Tgt Ion:113 Resp: 42480
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.1 124.7
 192 16.6 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 5.185 ug/l
 RT: 5.543 min Scan# 731
 Delta R.T. -0.141 min
 Lab File: VX046510.D
 Acq: 04 Jun 2025 19:00

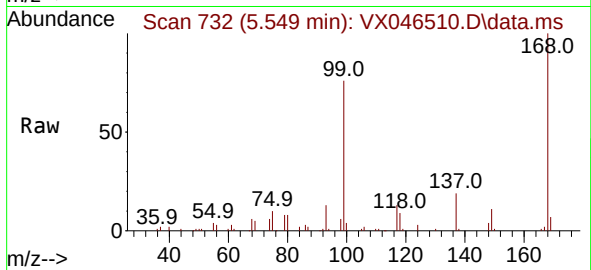
Tgt Ion: 75 Resp: 5921
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.3 48.9#
 77 0.0 24.3 36.5#



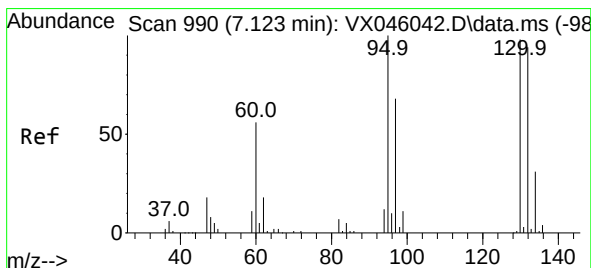
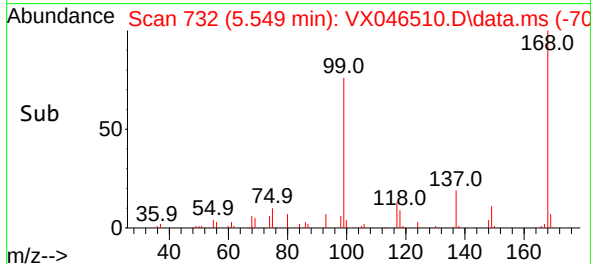
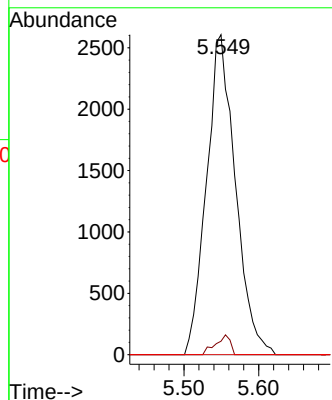


#38
Carbon Tetrachloride
Concen: 5.472 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

Instrument :
MSVOA_X
ClientSampleId :
TB-01-060325

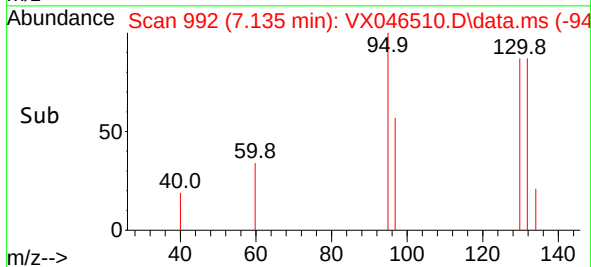
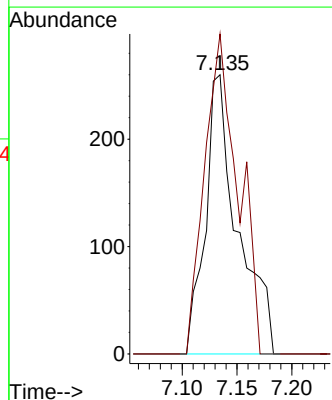
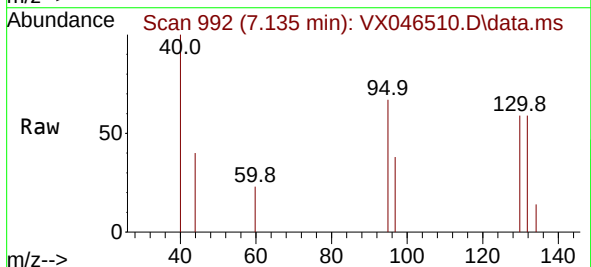


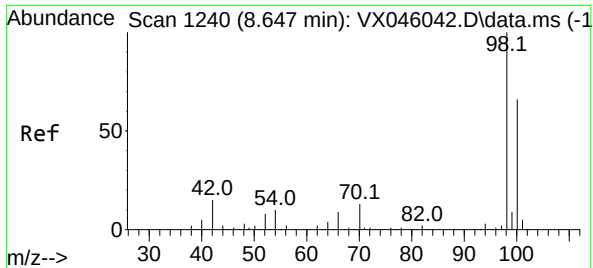
Tgt Ion:117 Resp: 7021
Ion Ratio Lower Upper
117 100
119 4.2 75.2 112.8#
121 0.0 24.2 36.4#



#44
Trichloroethene
Concen: 0.661 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

Tgt Ion:130 Resp: 532
Ion Ratio Lower Upper
130 100
95 114.6 0.0 204.2

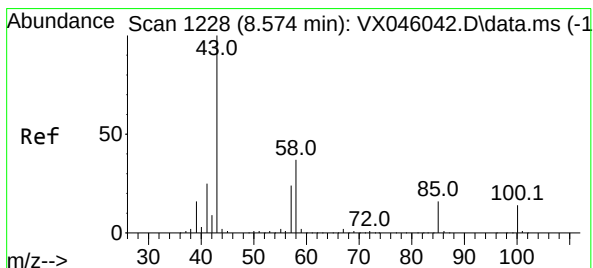
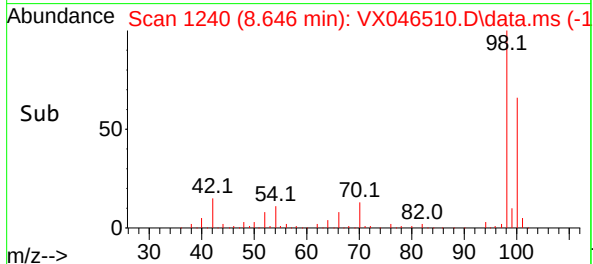
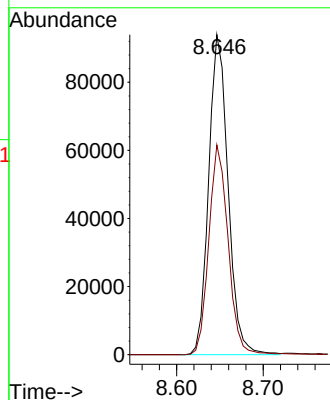
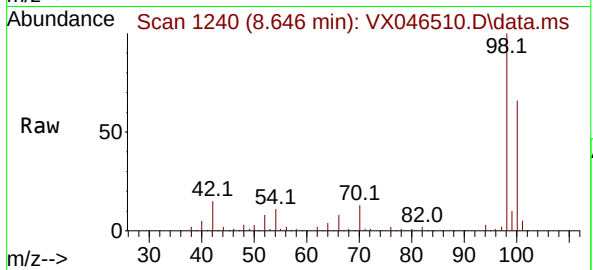




#50
Toluene-d8
Concen: 49.678 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

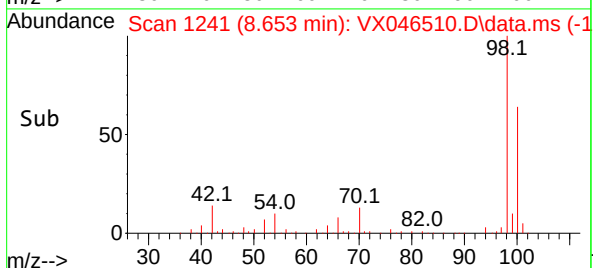
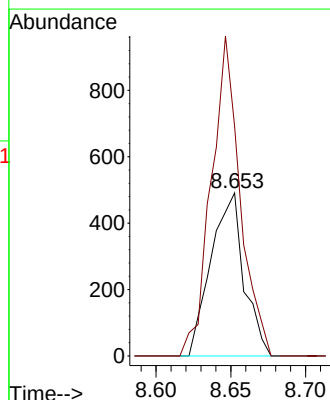
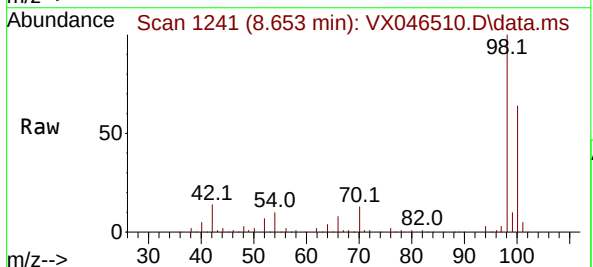
Instrument :
MSVOA_X
ClientSampleId :
TB-01-060325

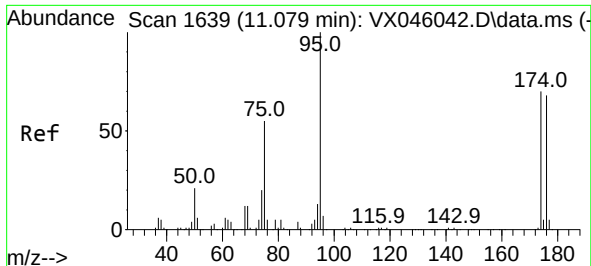
Tgt Ion: 98 Resp: 146129
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.527 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
58 172.0 28.9 43.3#

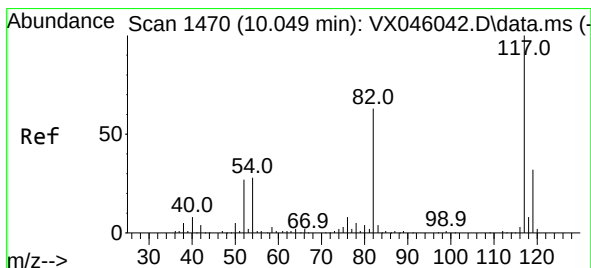
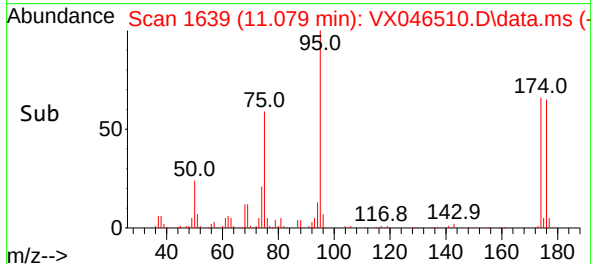
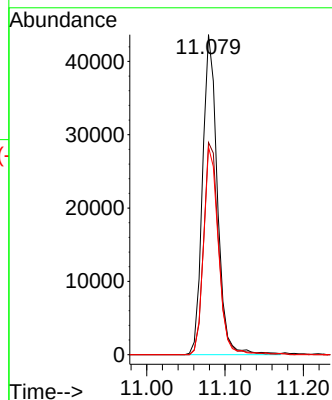
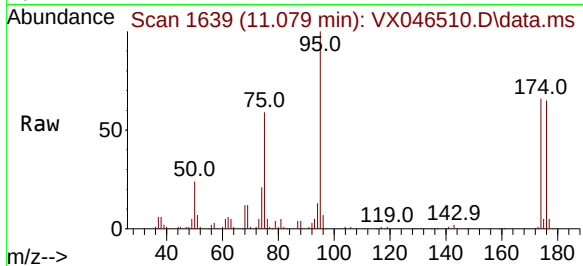




#62
4-Bromofluorobenzene
Concen: 50.692 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

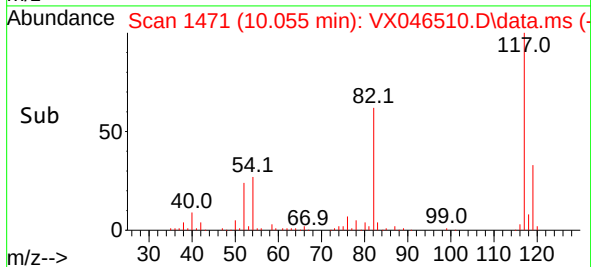
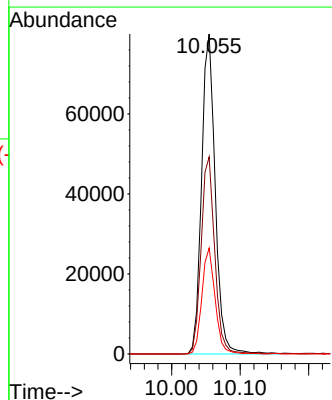
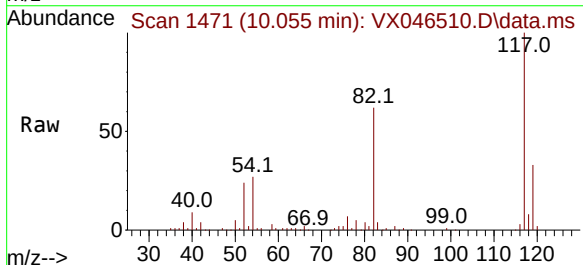
Instrument :
MSVOA_X
ClientSampleId :
TB-01-060325

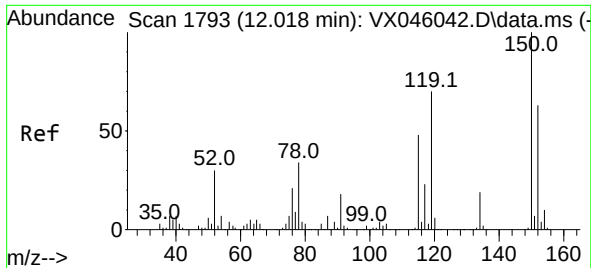
Tgt Ion: 95 Resp: 57197
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 64.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046510.D
Acq: 04 Jun 2025 19:00

Tgt Ion: 117 Resp: 111037
Ion Ratio Lower Upper
117 100
82 61.6 50.6 76.0
119 33.1 25.8 38.6

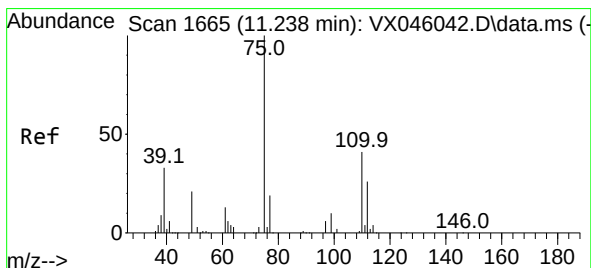
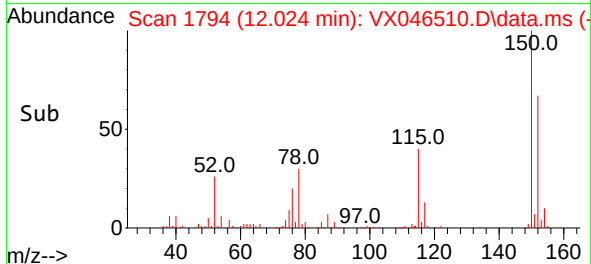
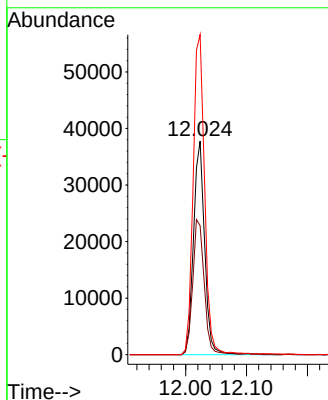
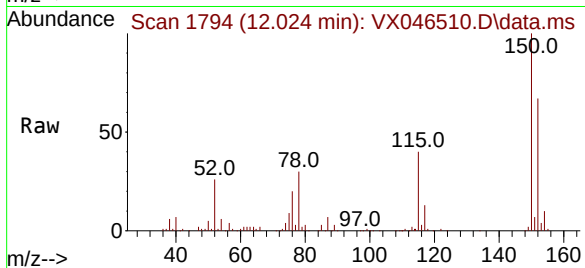




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX046510.D
 Acq: 04 Jun 2025 19:00

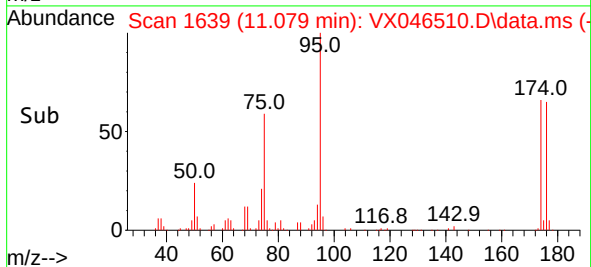
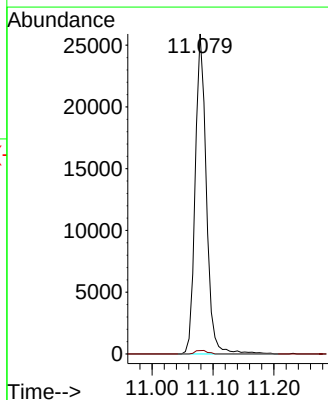
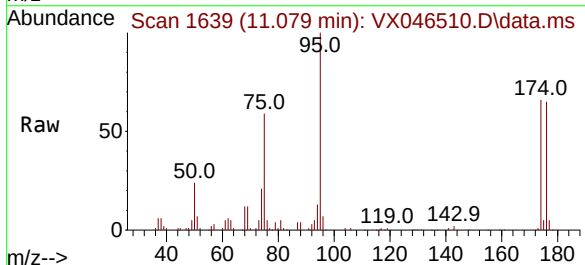
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-060325

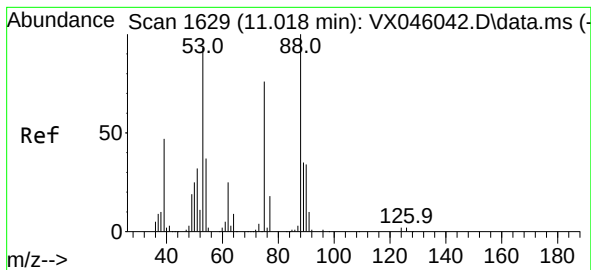
Tgt Ion:152 Resp: 47922
 Ion Ratio Lower Upper
 152 100
 115 65.1 46.9 140.7
 150 154.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.562 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046510.D
 Acq: 04 Jun 2025 19:00

Tgt Ion: 75 Resp: 32946
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.988 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046510.D
 Acq: 04 Jun 2025 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-060325

Tgt Ion: 75 Resp: 32946
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

