

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046504.D
 Acq On : 04 Jun 2025 16:37
 Operator : JC/MD
 Sample : Q2200-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-060325

Quant Time: Jun 05 02:01:09 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)

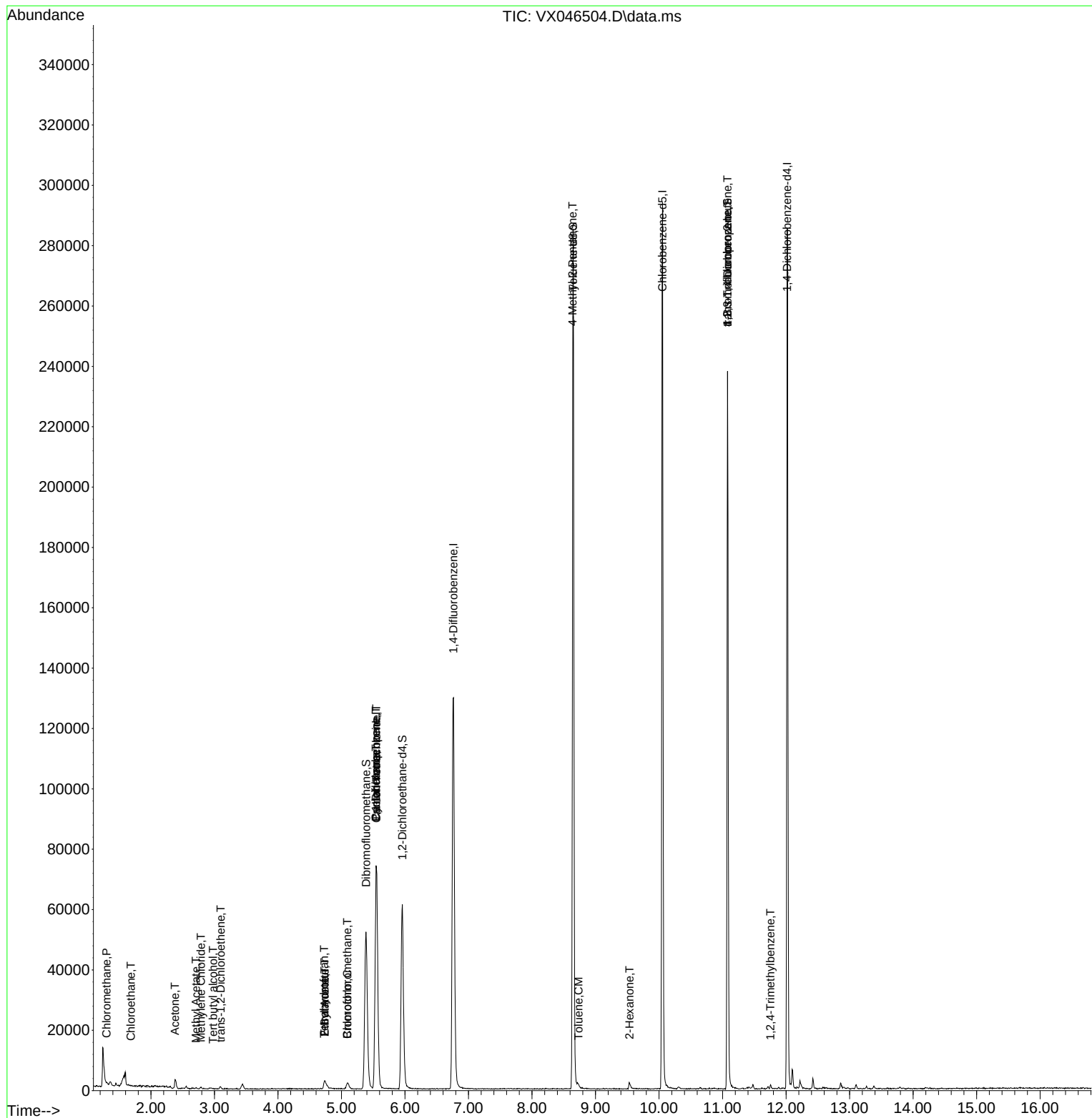
Internal Standards						
1) Pentafluorobenzene	5.544	168	64028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62415	52.288	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.580%			
35) Dibromofluoromethane	5.385	113	45744	49.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.980%			
50) Toluene-d8	8.647	98	162070	50.657	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	64642	52.673	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.340%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	404	0.425	ug/l	98
6) Chloroethane	1.685	64	124	0.263	ug/l #	44
11) Tert butyl alcohol	2.977	59	71	0.424	ug/l #	72
16) Acetone	2.380	43	3467	7.244	ug/l	96
18) Methyl Acetate	2.709	43	365	0.329	ug/l #	55
20) Methylene Chloride	2.788	84	258	0.281	ug/l #	79
21) trans-1,2-Dichloroethene	3.099	96	307	0.402	ug/l #	61
25) 2-Butanone	4.733	43	5638	8.114	ug/l #	53
28) Bromochloromethane	5.092	49	187	0.249	ug/l #	17
29) Tetrahydrofuran	4.727	42	239	0.549	ug/l #	35
30) Chloroform	5.092	83	2645	1.626	ug/l	96
31) Cyclohexane	5.544	56	1658	1.165	ug/l #	22
36) 1,1-Dichloropropene	5.544	75	6154	4.955	ug/l #	51
37) Ethyl Acetate	4.733	43	5638	3.674	ug/l #	81
38) Carbon Tetrachloride	5.550	117	7442	5.333	ug/l #	16
51) 4-Methyl-2-Pentanone	8.641	43	933	0.600	ug/l #	1
52) Toluene	8.732	92	633	0.284	ug/l	92
59) 2-Hexanone	9.537	43	505	0.439	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36411	28.029	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36411	91.254	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	852	0.240	ug/l	89

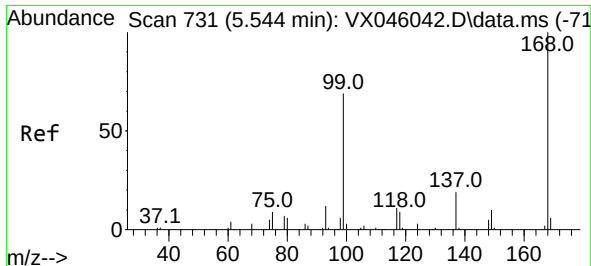
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 05 02:01:09 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

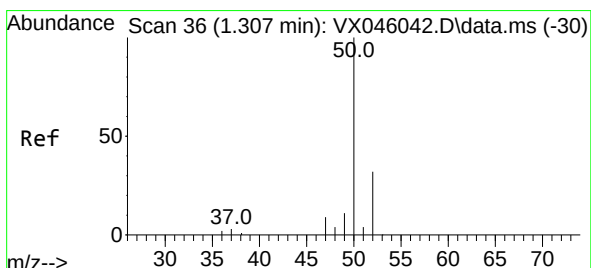
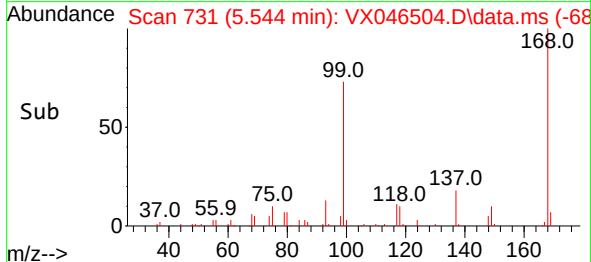
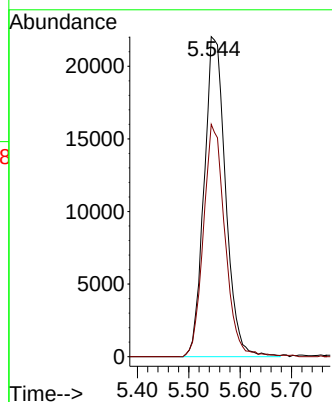
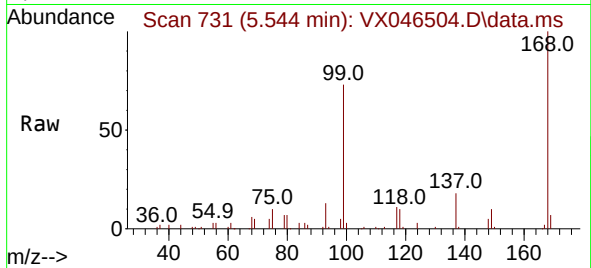




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

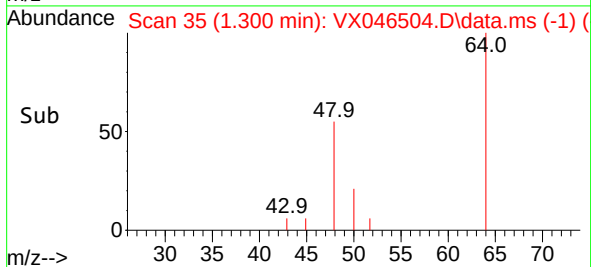
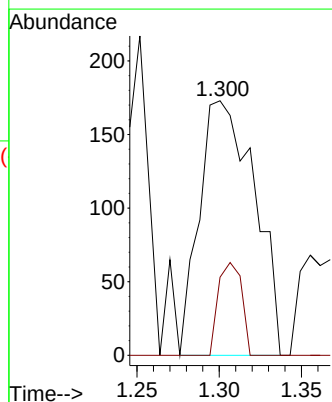
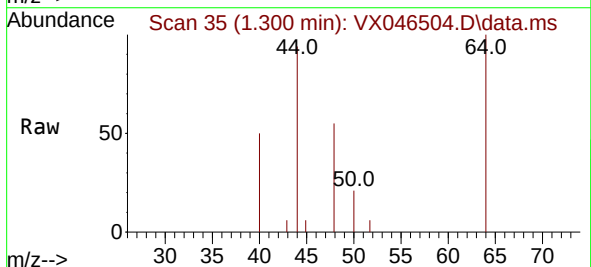
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

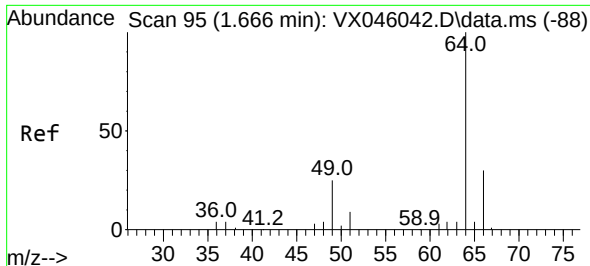
Tgt Ion:168 Resp: 64028
Ion Ratio Lower Upper
168 100
99 72.6 54.9 82.3



#3
Chloromethane
Concen: 0.425 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 50 Resp: 404
Ion Ratio Lower Upper
50 100
52 30.6 25.4 38.2

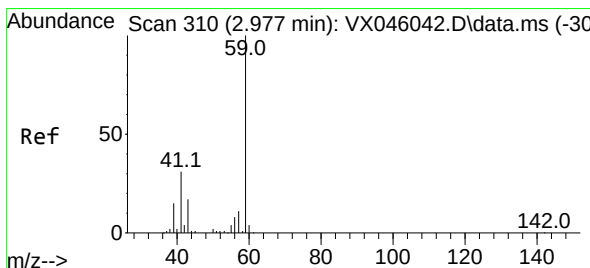
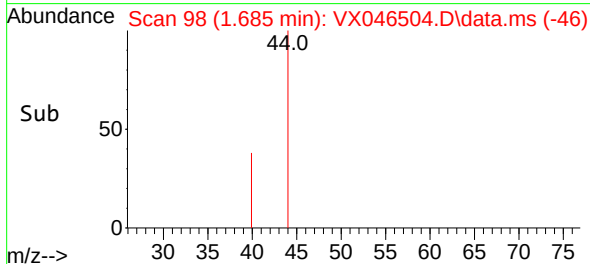
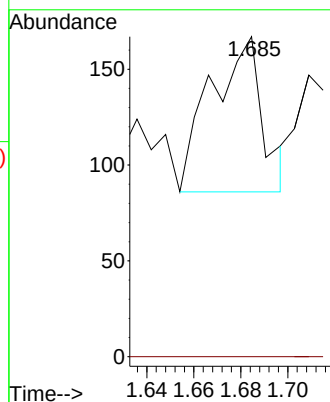
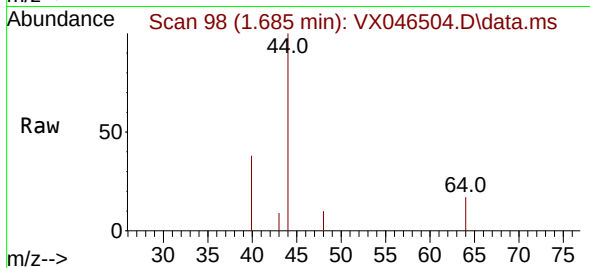




#6
Chloroethane
Concen: 0.263 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

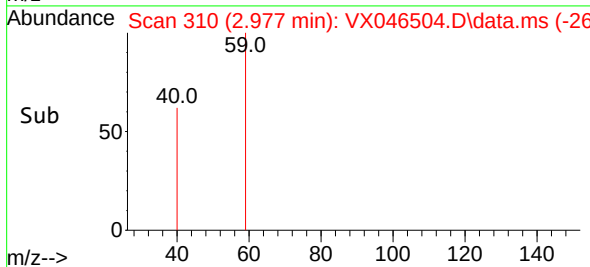
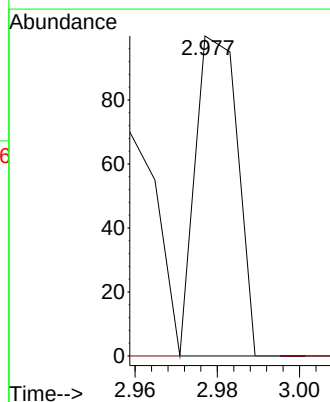
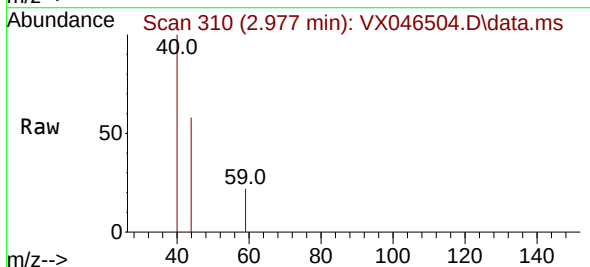
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

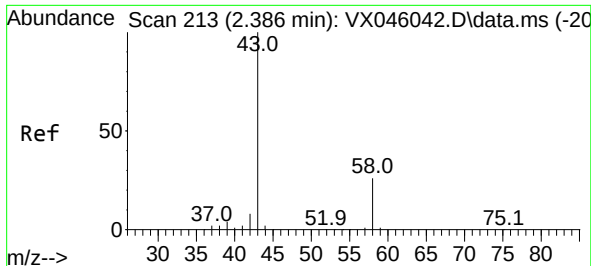
Tgt Ion: 64 Resp: 124
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#11
Tert butyl alcohol
Concen: 0.424 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

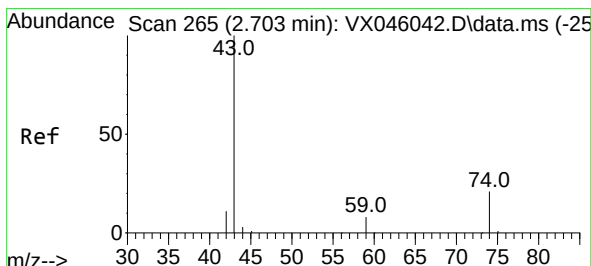
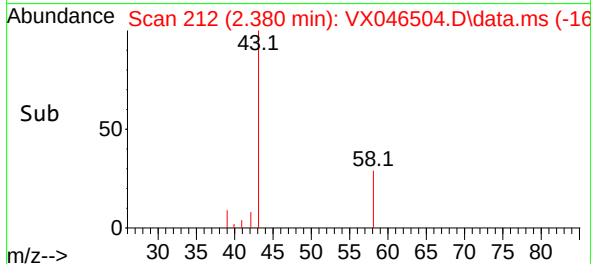
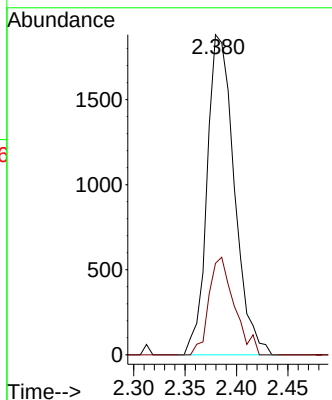
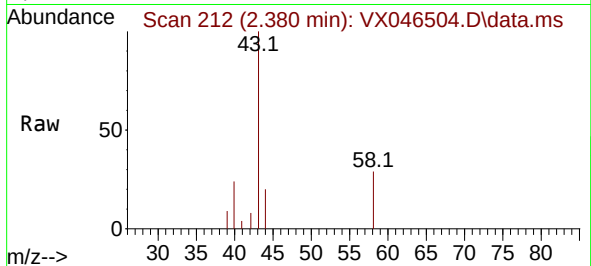




#16
 Acetone
 Concen: 7.244 ug/l
 RT: 2.380 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX046504.D
 Acq: 04 Jun 2025 16:37

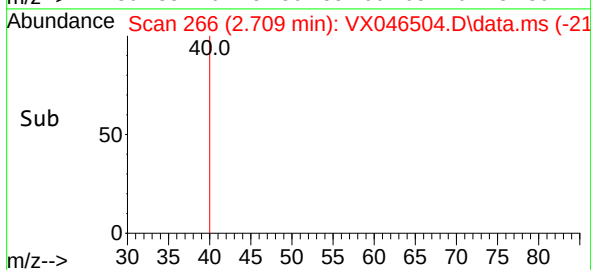
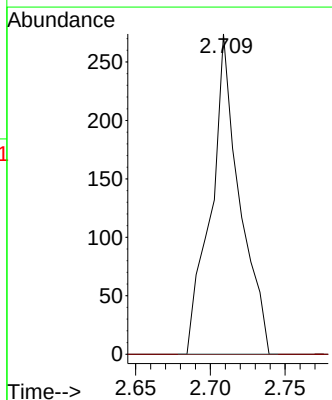
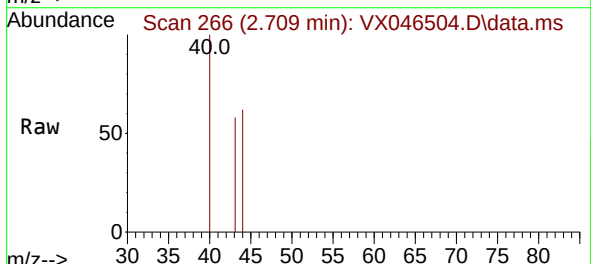
Instrument :
 MSVOA_X
 ClientSampleId :
 EB01-060325

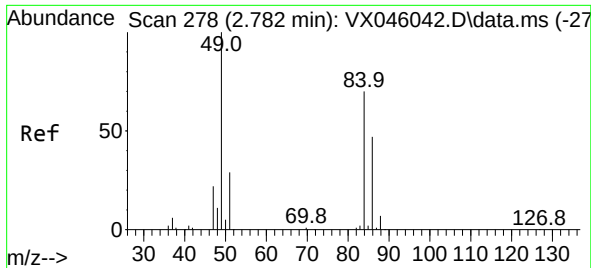
Tgt Ion: 43 Resp: 3467
 Ion Ratio Lower Upper
 43 100
 58 28.6 21.2 31.8



#18
 Methyl Acetate
 Concen: 0.329 ug/l
 RT: 2.709 min Scan# 266
 Delta R.T. 0.006 min
 Lab File: VX046504.D
 Acq: 04 Jun 2025 16:37

Tgt Ion: 43 Resp: 365
 Ion Ratio Lower Upper
 43 100
 74 0.0 16.7 25.1#

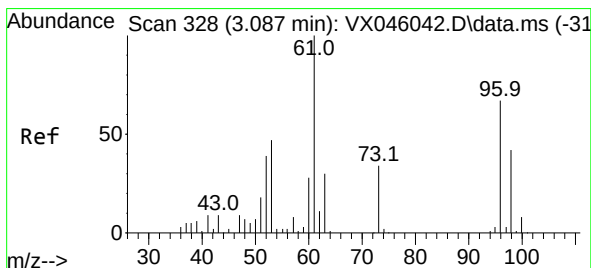
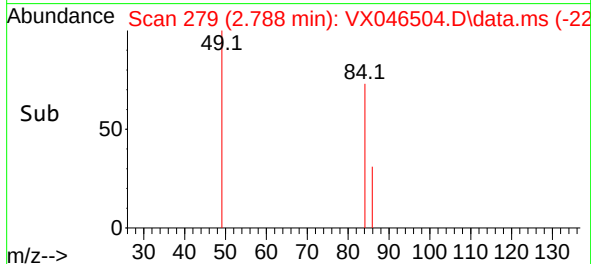
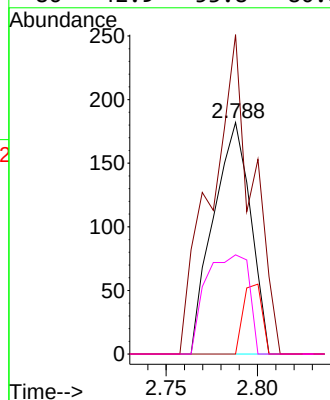
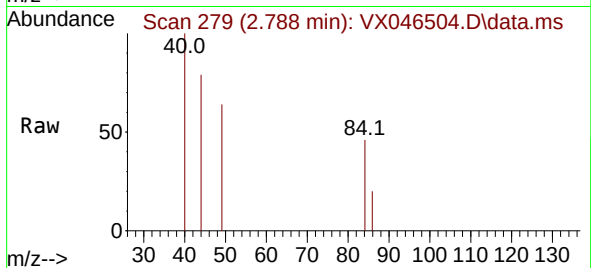




#20
Methylene Chloride
Concen: 0.281 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

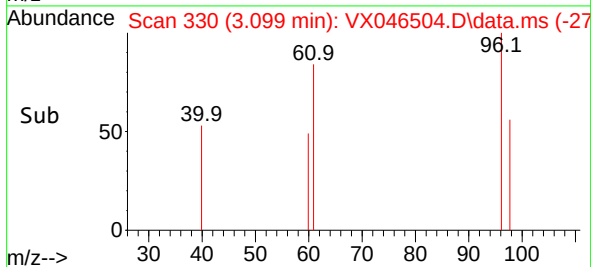
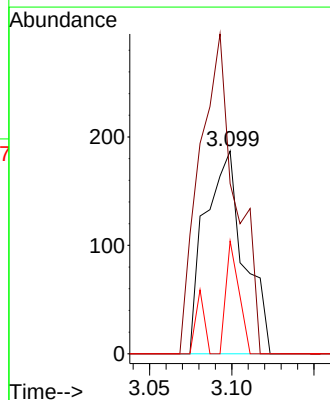
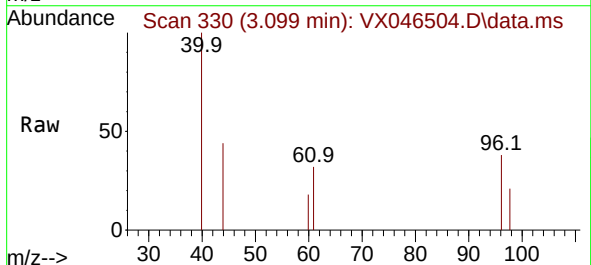
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

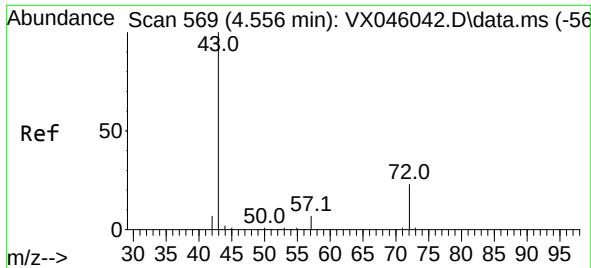
Tgt Ion: 84 Resp: 258
Ion Ratio Lower Upper
84 100
49 137.9 113.9 170.9
51 0.0 33.5 50.3#
86 42.9 53.8 80.8#



#21
trans-1,2-Dichloroethene
Concen: 0.402 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.012 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 96 Resp: 307
Ion Ratio Lower Upper
96 100
61 84.0 119.5 179.3#
98 55.6 50.0 75.0

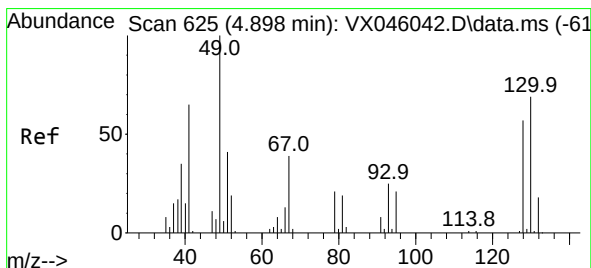
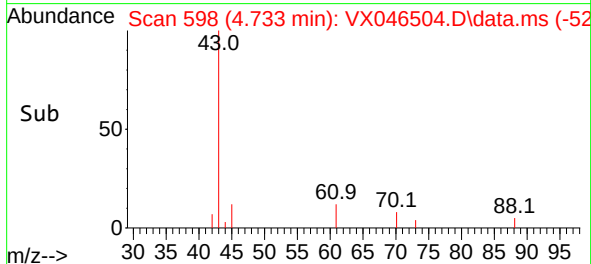
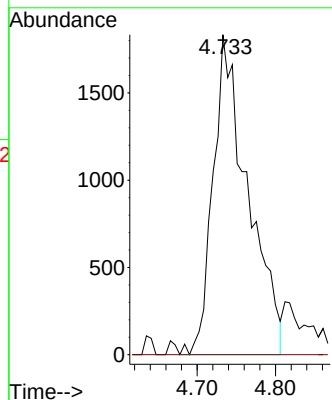
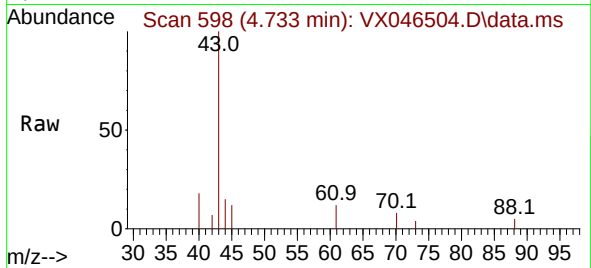




#25
2-Butanone
Concen: 8.114 ug/l
RT: 4.733 min Scan# 51
Delta R.T. 0.177 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

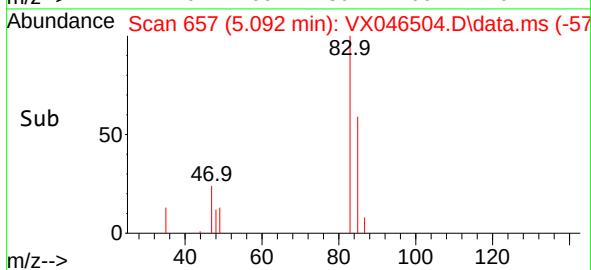
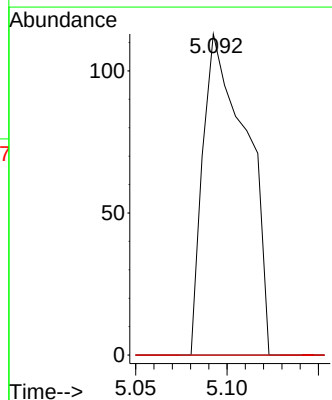
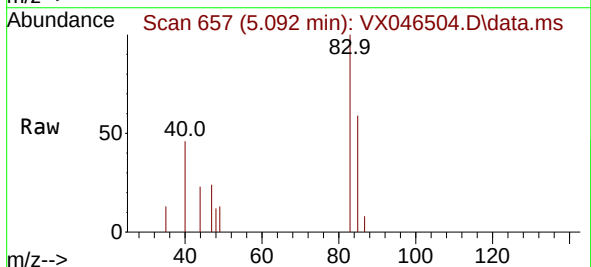
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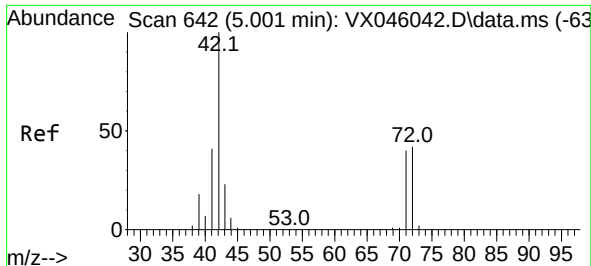
Tgt Ion: 43 Resp: 5638
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#



#28
Bromochloromethane
Concen: 0.249 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.195 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 49 Resp: 187
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 56.2 84.2#





#29

Tetrahydrofuran

Concen: 0.549 ug/l

RT: 4.727 min Scan# 597

Delta R.T. -0.274 min

Lab File: VX046504.D

Acq: 04 Jun 2025 16:37

Instrument :

MSVOA_X

ClientSampleId :

EB01-060325

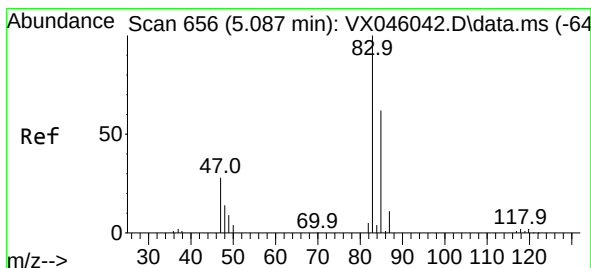
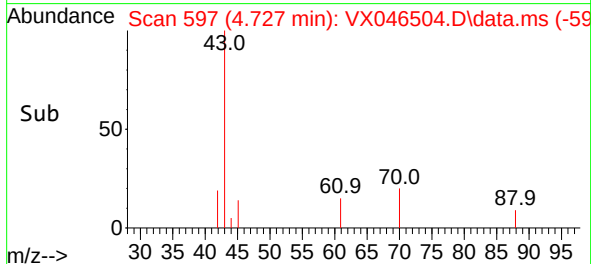
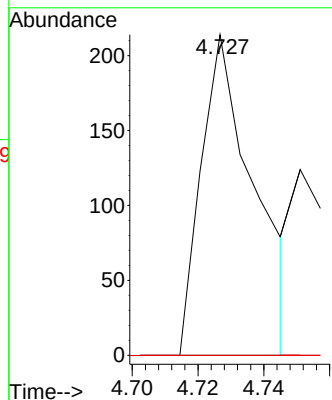
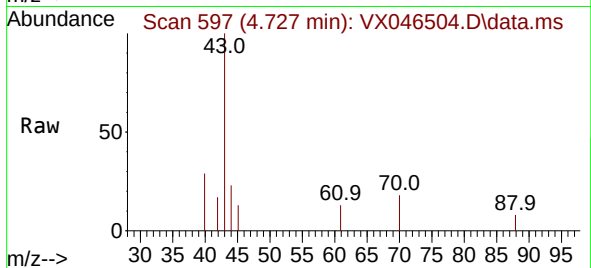
Tgt Ion: 42 Resp: 239

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#



#30

Chloroform

Concen: 1.626 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX046504.D

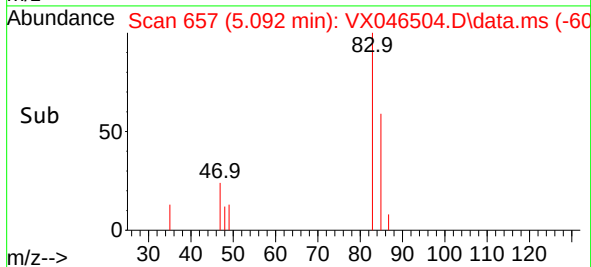
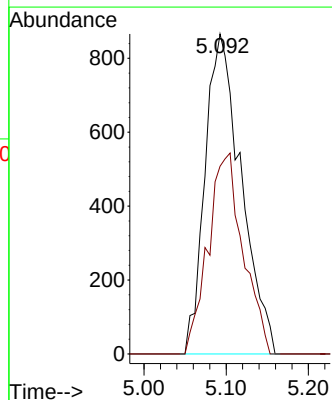
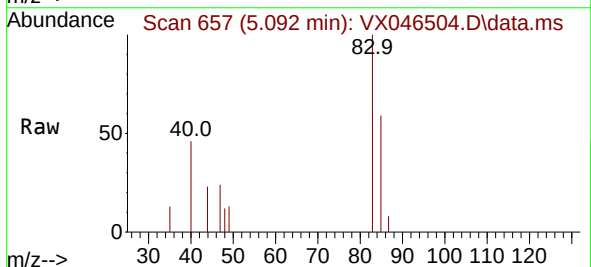
Acq: 04 Jun 2025 16:37

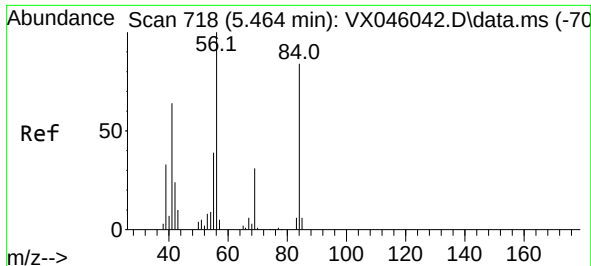
Tgt Ion: 83 Resp: 2645

Ion Ratio Lower Upper

83 100

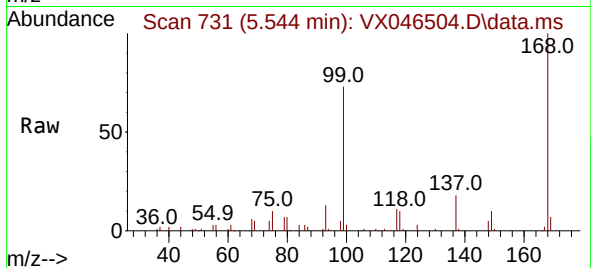
85 58.7 49.3 73.9



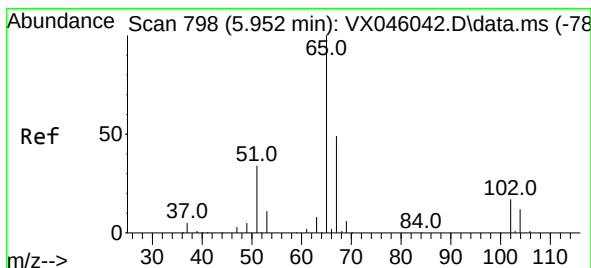
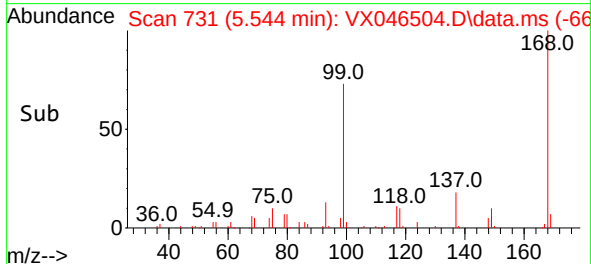
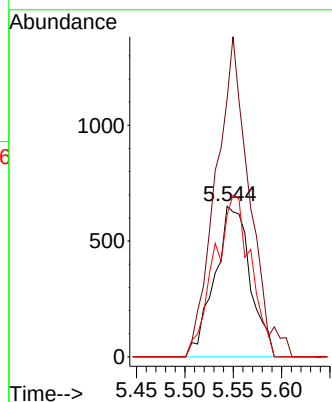


#31
Cyclohexane
Concen: 1.165 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

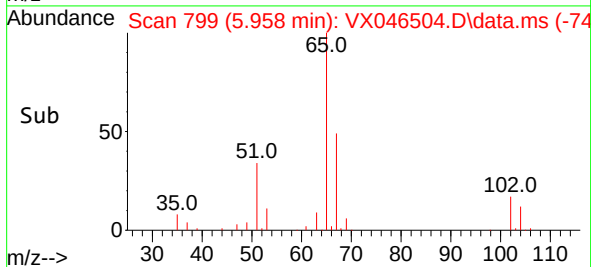
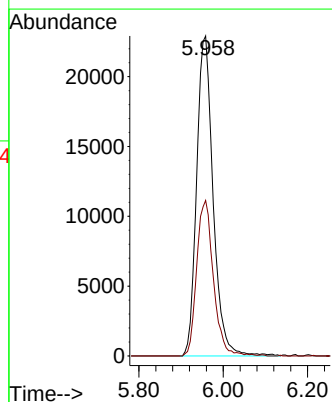
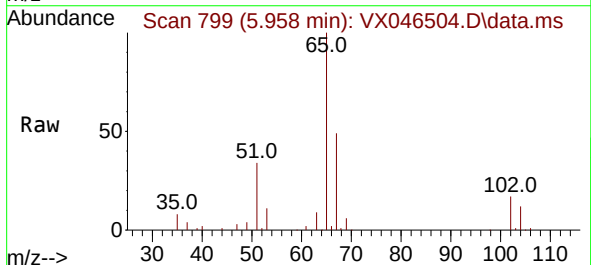


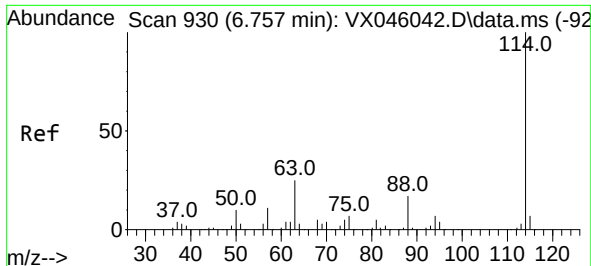
Tgt Ion: 56 Resp: 1658
Ion Ratio Lower Upper
56 100
69 171.1 24.4 36.6#
84 94.3 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 52.288 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 65 Resp: 62415
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.0

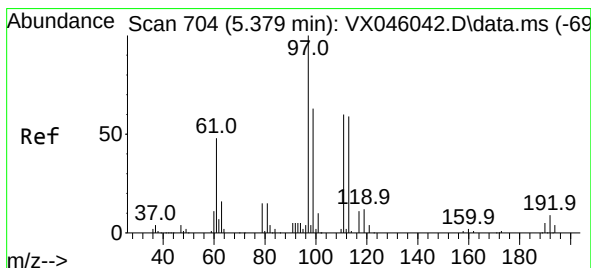
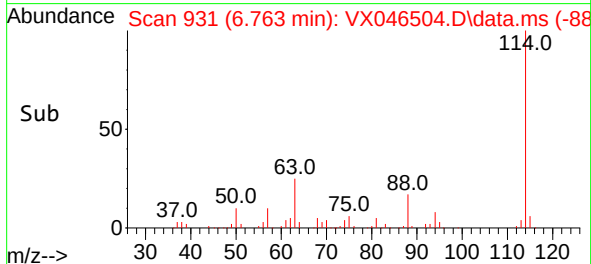
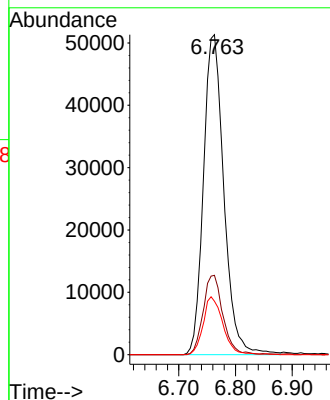
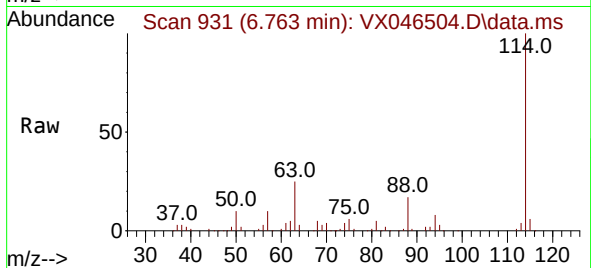




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

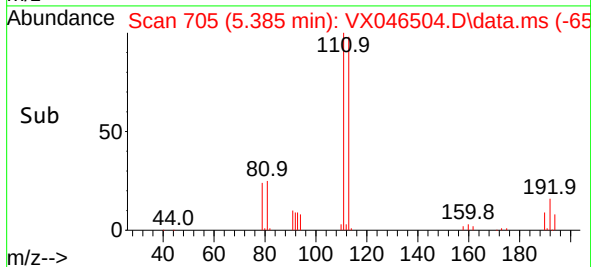
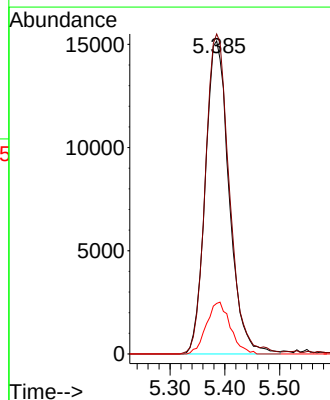
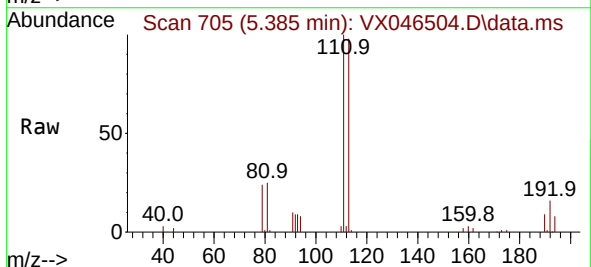
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

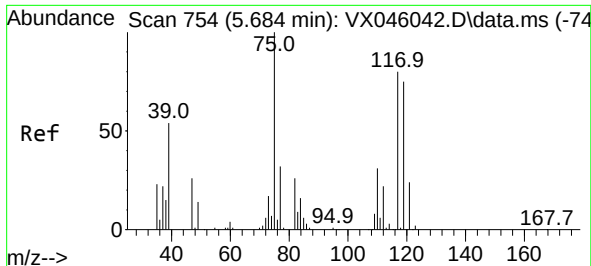
Tgt Ion:114 Resp: 128366
Ion Ratio Lower Upper
114 100
63 24.8 0.0 49.2
88 16.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.487 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion:113 Resp: 45744
Ion Ratio Lower Upper
113 100
111 102.9 83.1 124.7
192 16.6 13.3 19.9

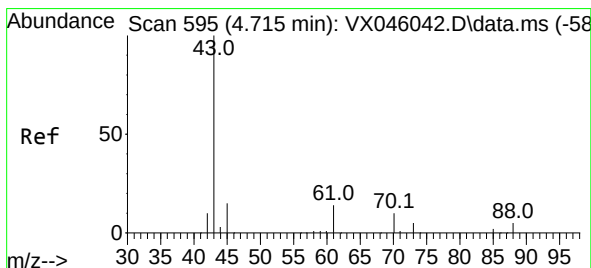
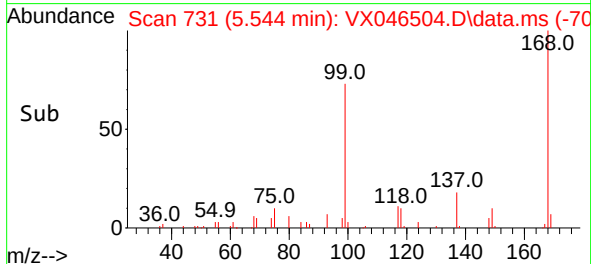
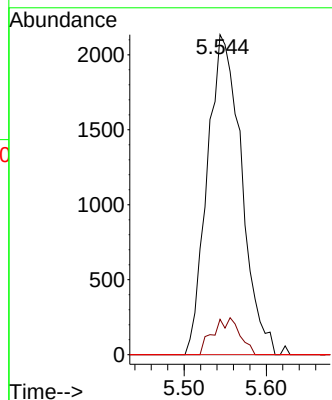
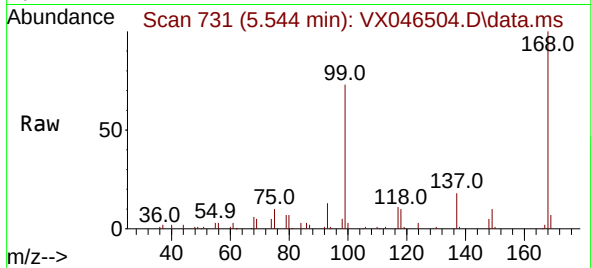




#36
1,1-Dichloropropene
Concen: 4.955 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

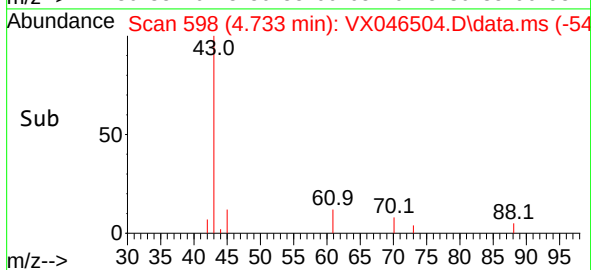
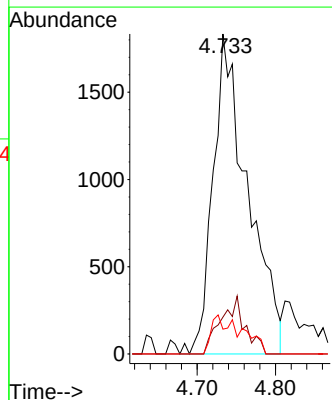
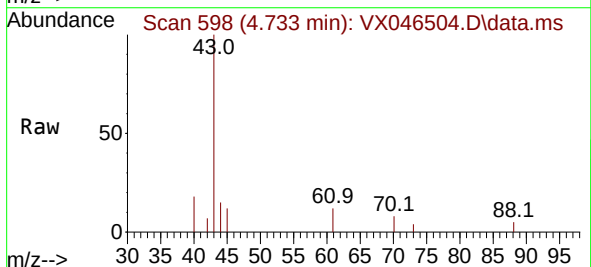
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

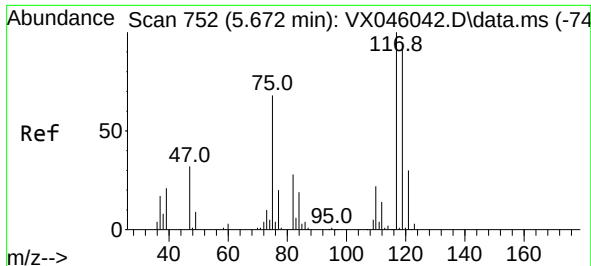
Tgt Ion: 75 Resp: 6154
Ion Ratio Lower Upper
75 100
110 9.0 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 3.674 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

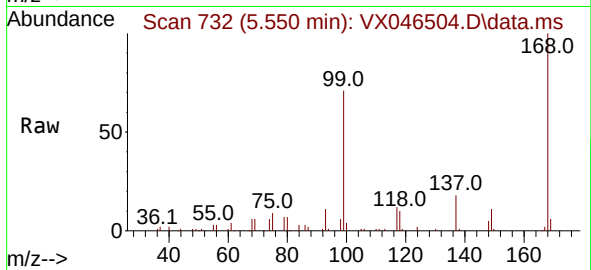
Tgt Ion: 43 Resp: 5638
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 10.5 7.9 11.9



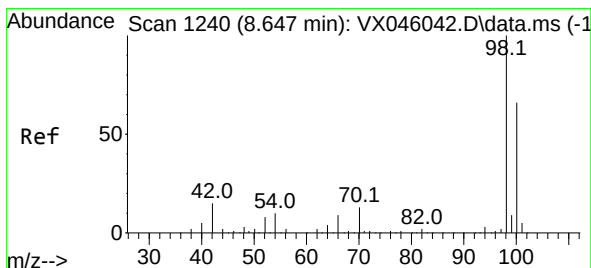
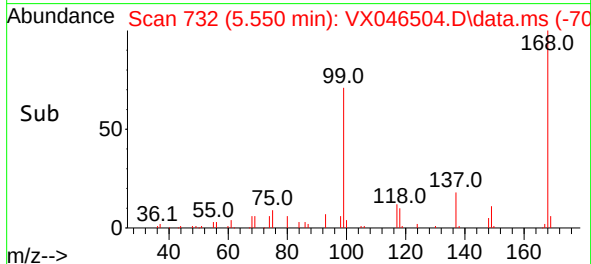
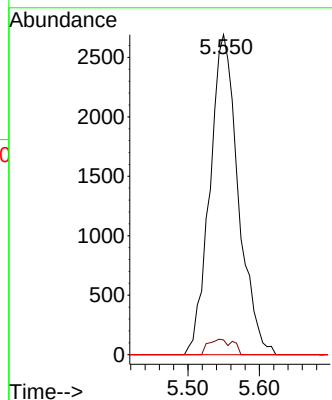


#38
Carbon Tetrachloride
Concen: 5.333 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

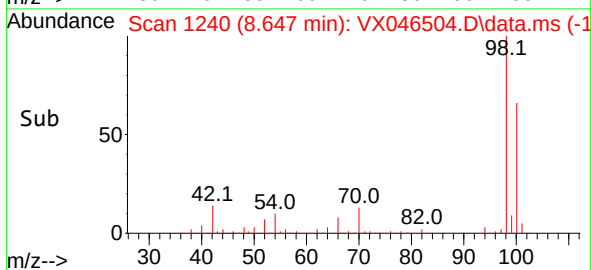
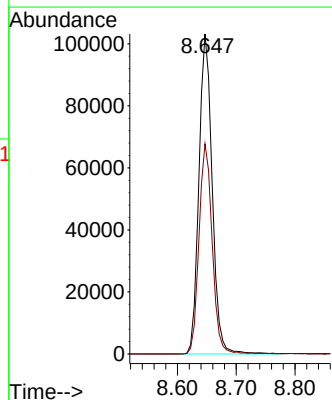
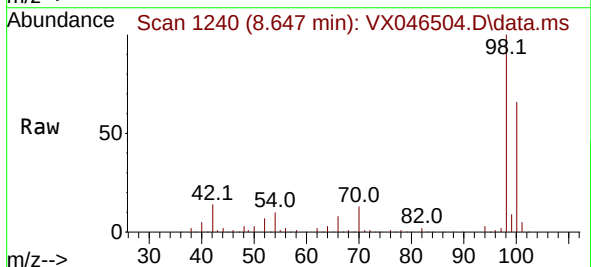


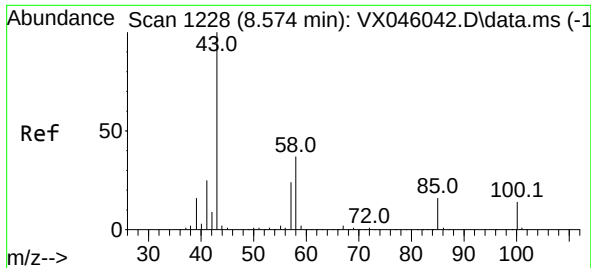
Tgt Ion:117 Resp: 7442
Ion Ratio Lower Upper
117 100
119 4.6 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.657 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 98 Resp: 162070
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3

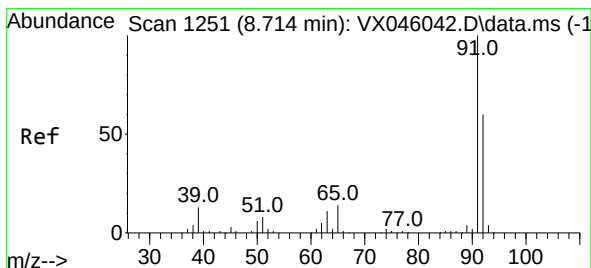
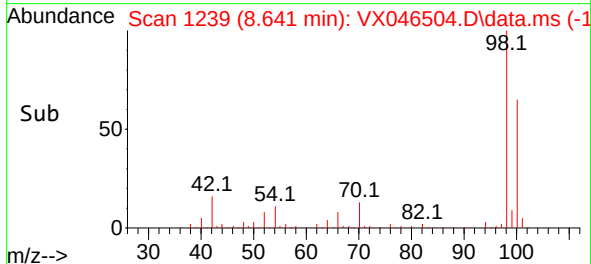
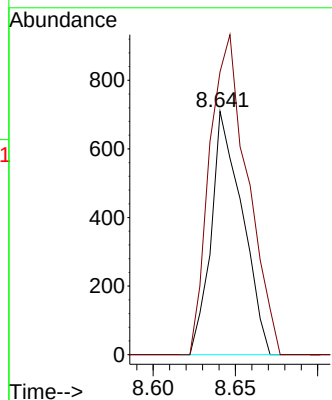
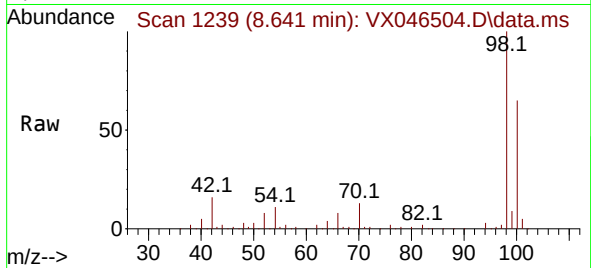




#51
4-Methyl-2-Pentanone
Concen: 0.600 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

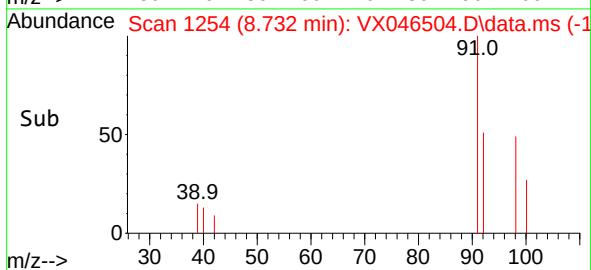
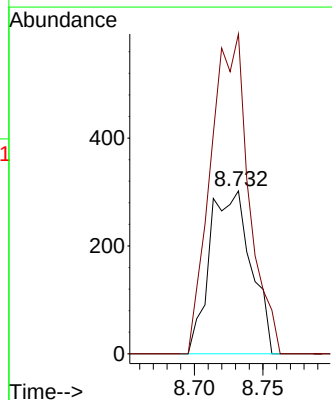
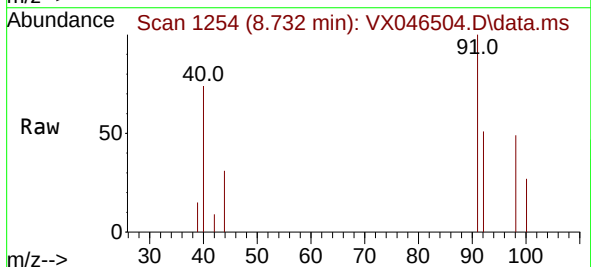
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

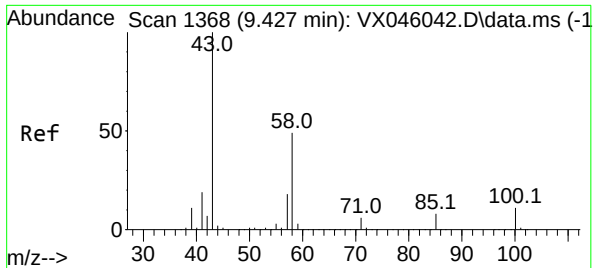
Tgt Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
58 160.3 28.9 43.3#



#52
Toluene
Concen: 0.284 ug/l
RT: 8.732 min Scan# 1254
Delta R.T. 0.018 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 92 Resp: 633
Ion Ratio Lower Upper
92 100
91 182.3 136.6 205.0

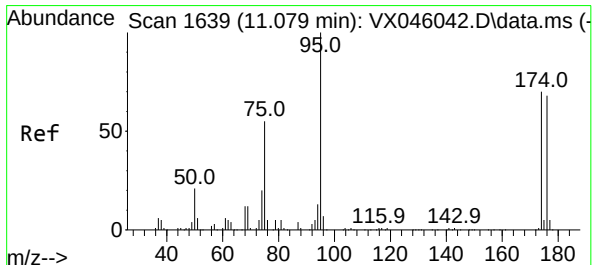
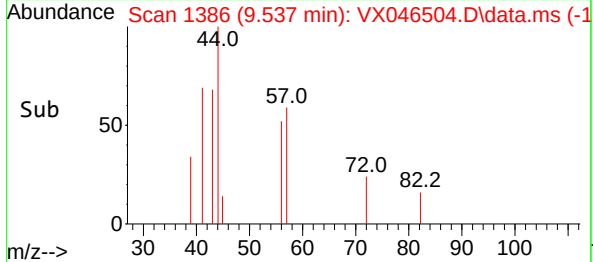
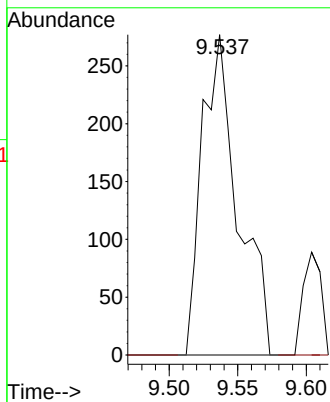
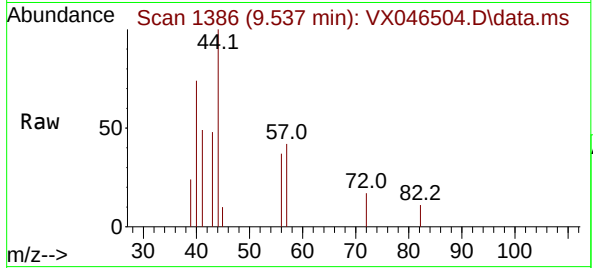




#59
2-Hexanone
Concen: 0.439 ug/l
RT: 9.537 min Scan# 11
Delta R.T. 0.110 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

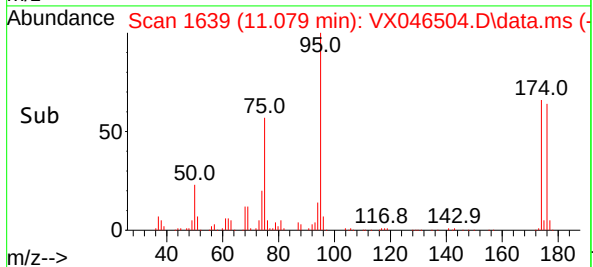
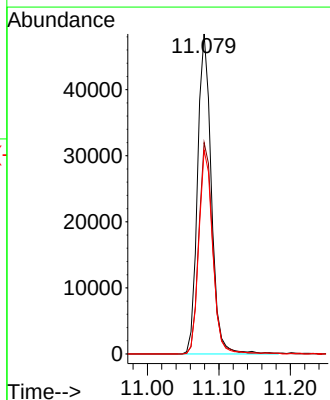
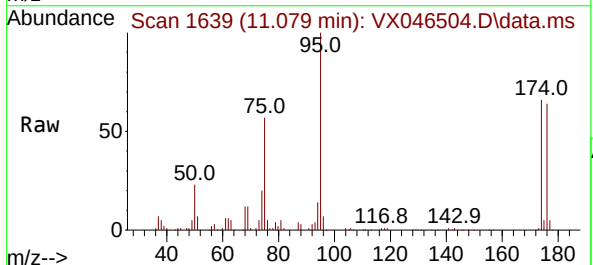
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

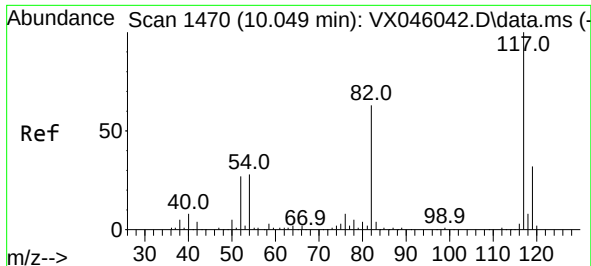
Tgt Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.673 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 95 Resp: 64642
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.8
176 63.9 0.0 131.4

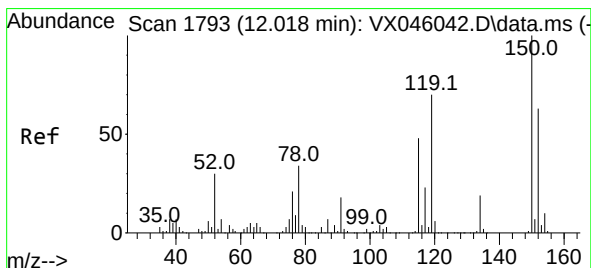
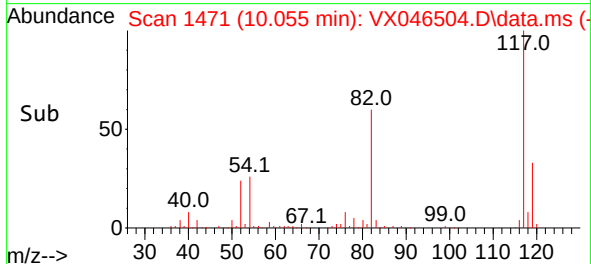
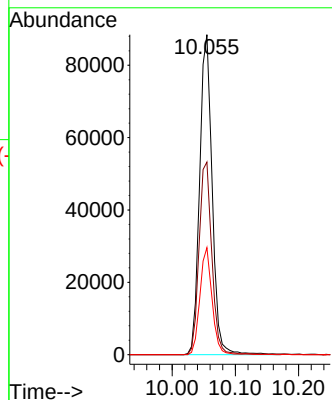
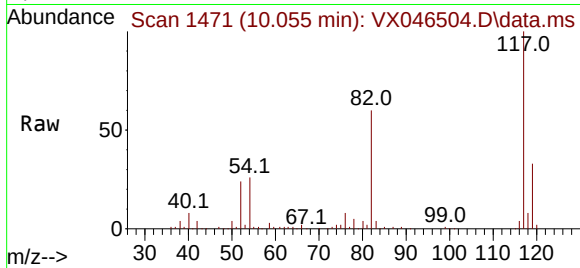




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

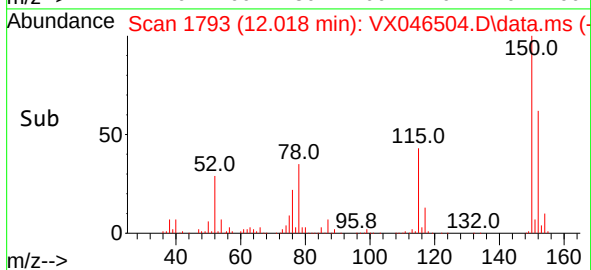
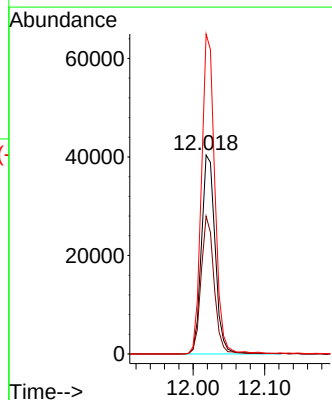
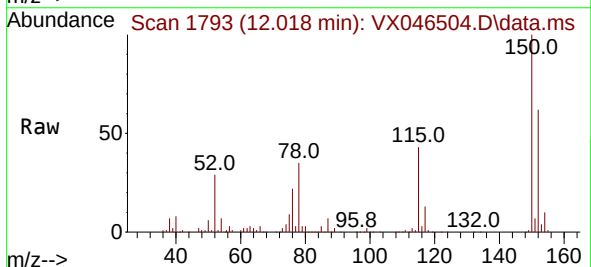
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

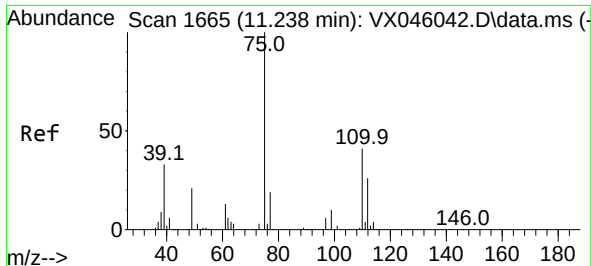
Tgt Ion:117 Resp: 122354
Ion Ratio Lower Upper
117 100
82 60.2 50.6 76.0
119 33.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion:152 Resp: 53968
Ion Ratio Lower Upper
152 100
115 65.5 46.9 140.7
150 156.7 0.0 351.0

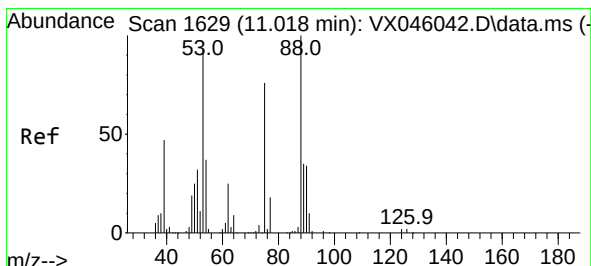
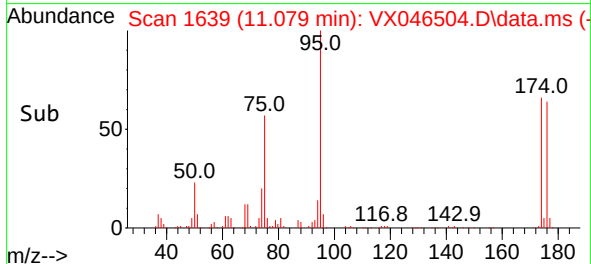
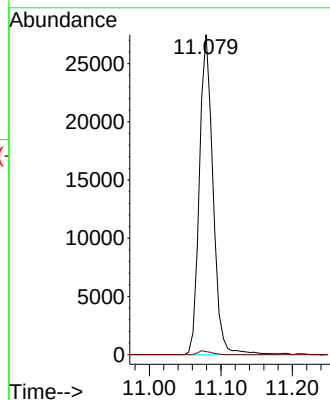
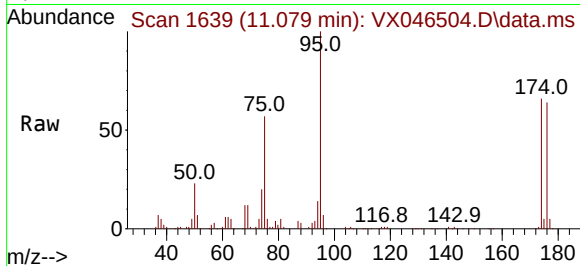




#76
1,2,3-Trichloropropane
Concen: 28.029 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

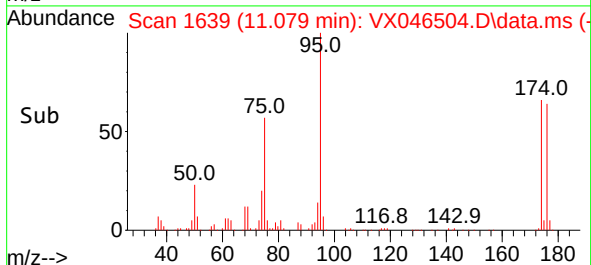
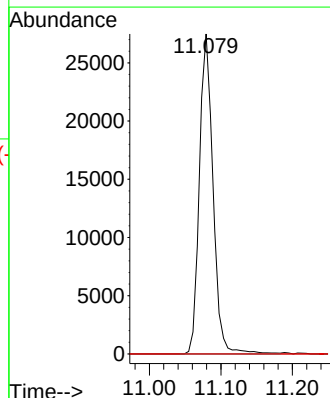
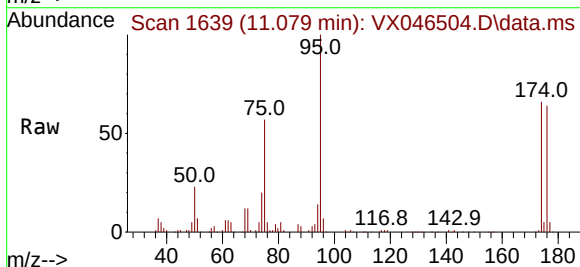
Instrument :
MSVOA_X
ClientSampleId :
EB01-060325

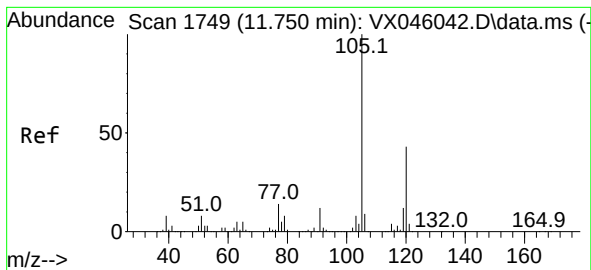
Tgt Ion: 75 Resp: 36411
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.254 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046504.D
Acq: 04 Jun 2025 16:37

Tgt Ion: 75 Resp: 36411
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: 0.240 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046504.D

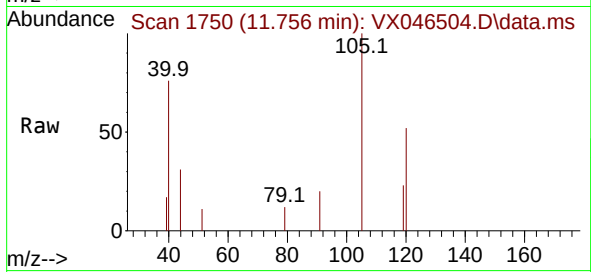
Acq: 04 Jun 2025 16:37

Instrument :

MSVOA_X

ClientSampleId :

EB01-060325



Tgt Ion:105 Resp: 852

Ion Ratio Lower Upper

105 100

120 35.4 21.2 63.6

