

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050725\
 Data File : VX046074.D
 Acq On : 07 May 2025 15:49
 Operator : JC/MD
 Sample : Q1980-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 3835

Quant Time: May 08 01:48:48 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)

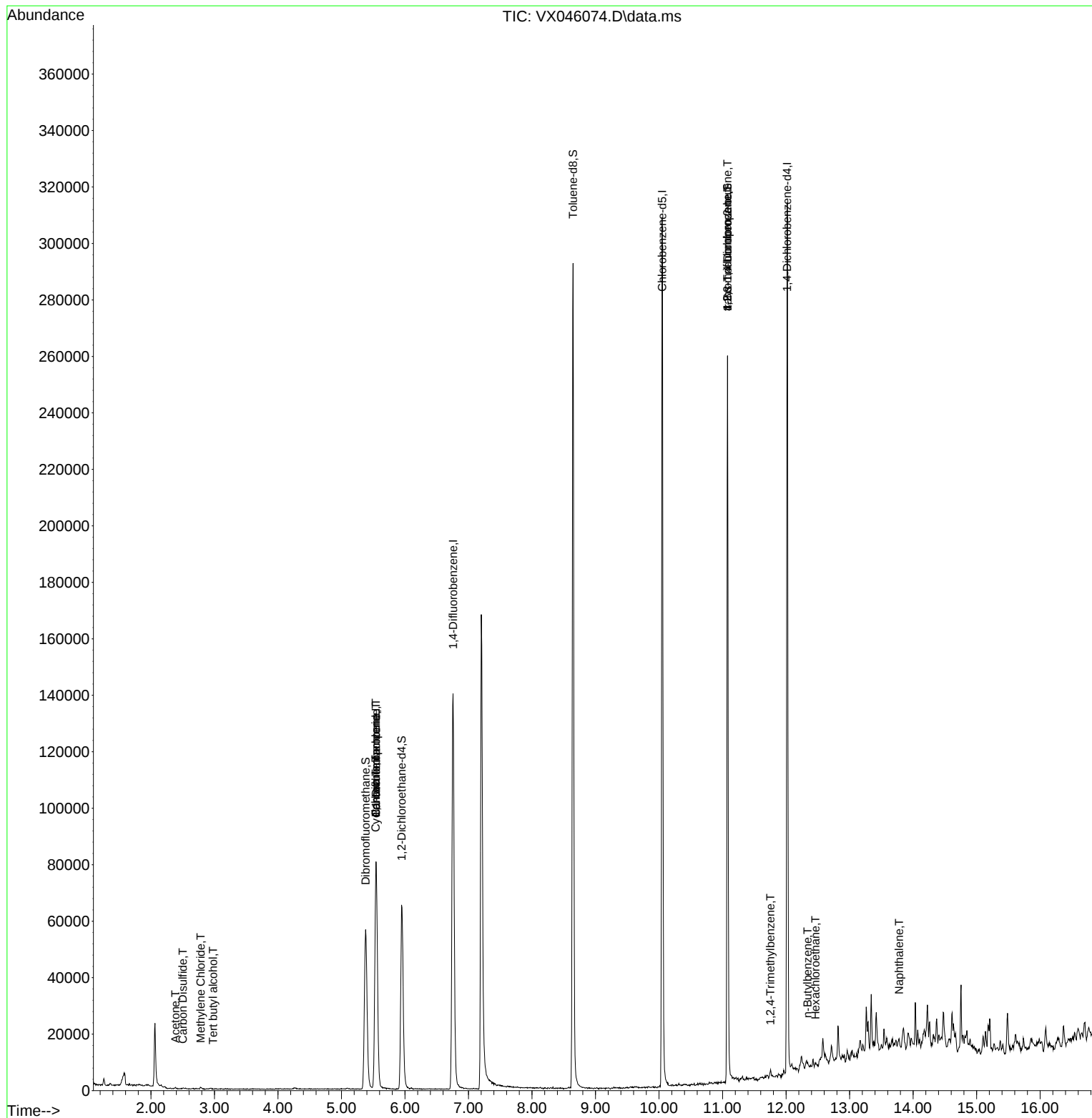
Internal Standards						
1) Pentafluorobenzene	5.544	168	69198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67412	52.254	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.500%	
35) Dibromofluoromethane	5.379	113	49063	50.244	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.480%	
50) Toluene-d8	8.647	98	169826	50.248	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.500%	
62) 4-Bromofluorobenzene	11.079	95	67536	52.094	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	43	0.237	ug/l #	72
16) Acetone	2.386	43	459	0.887	ug/l #	48
17) Carbon Disulfide	2.502	76	424	0.218	ug/l #	76
20) Methylene Chloride	2.782	84	284	0.287	ug/l #	86
31) Cyclohexane	5.538	56	2060	1.340	ug/l #	40
36) 1,1-Dichloropropene	5.544	75	6705	5.110	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7950	5.393	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	38336	28.444	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38336	92.604	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	1574	0.427	ug/l	78
89) n-Butylbenzene	12.341	91	848	0.260	ug/l #	68
90) Hexachloroethane	12.463	117	205	0.313	ug/l	99
95) Naphthalene	13.780	128	2102	0.538	ug/l #	66

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

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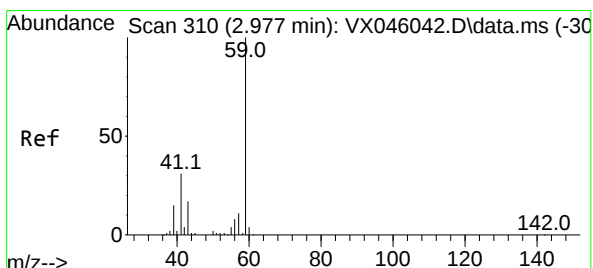
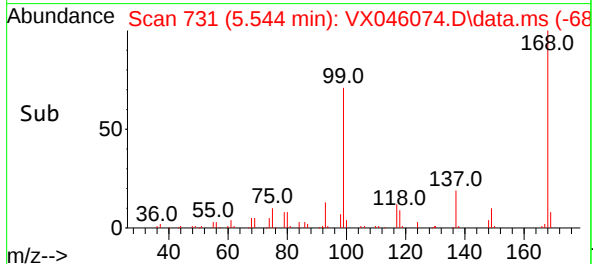
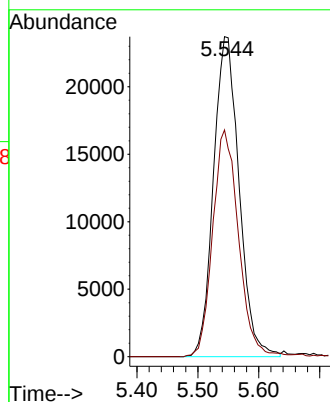
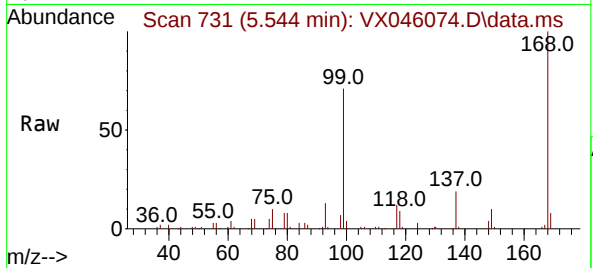




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

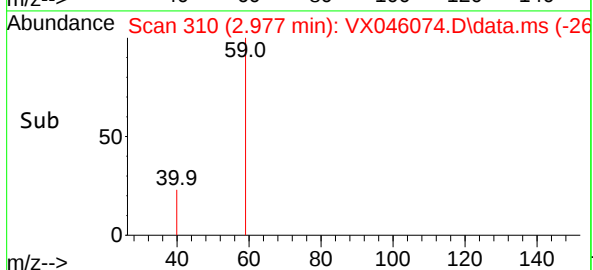
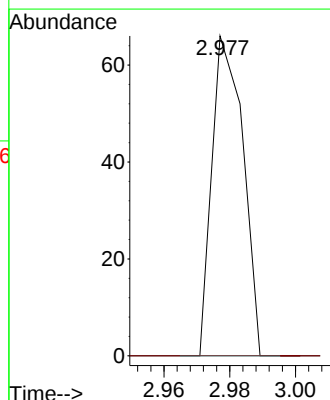
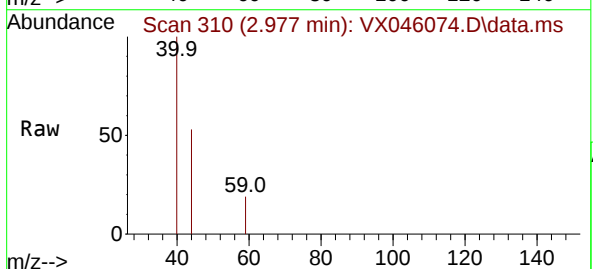
Instrument :
MSVOA_X
ClientSampleId :
3835

Tgt Ion:168 Resp: 69198
Ion Ratio Lower Upper
168 100
99 70.9 54.9 82.3



#11
Tert butyl alcohol
Concen: 0.237 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

Tgt Ion: 59 Resp: 43
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 0.887 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX046074.D

Acq: 07 May 2025 15:49

Instrument :

MSVOA_X

ClientSampleId :

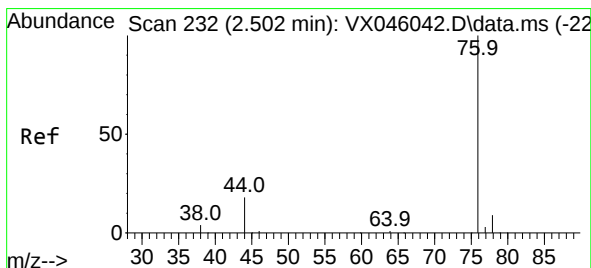
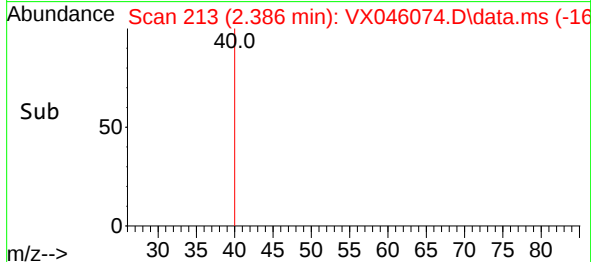
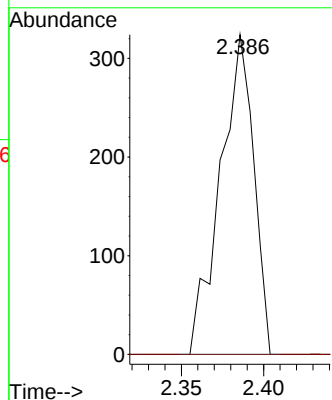
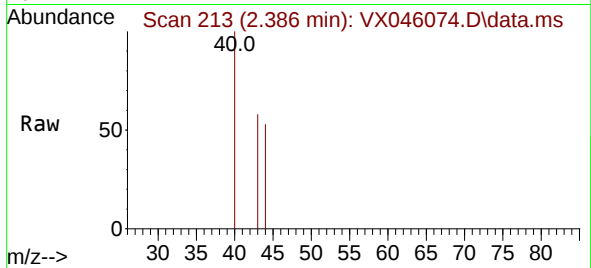
3835

Tgt Ion: 43 Resp: 459

Ion Ratio Lower Upper

43 100

58 0.0 21.2 31.8#



#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 2.502 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX046074.D

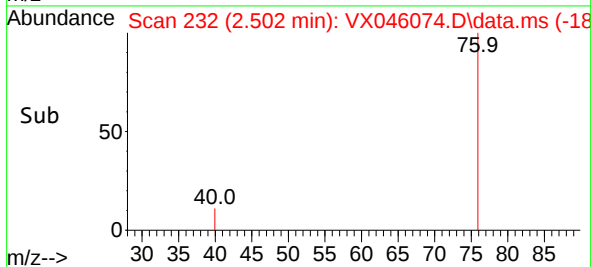
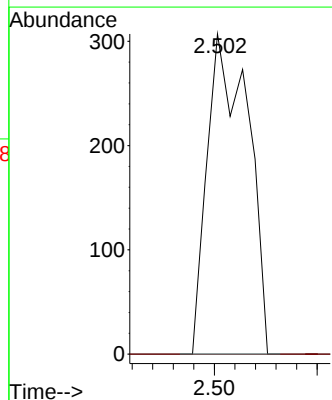
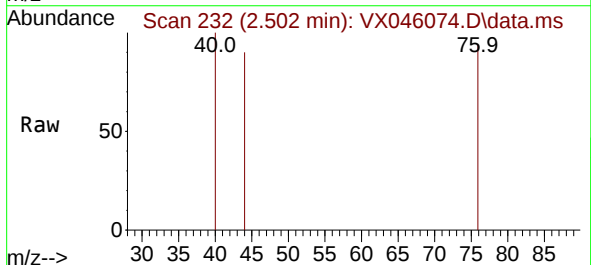
Acq: 07 May 2025 15:49

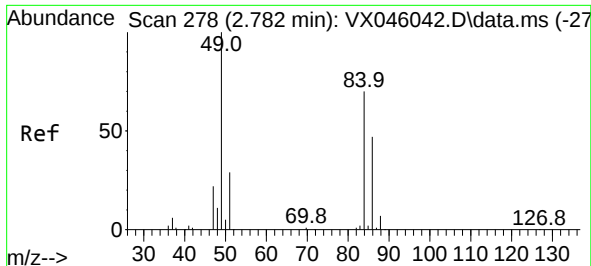
Tgt Ion: 76 Resp: 424

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

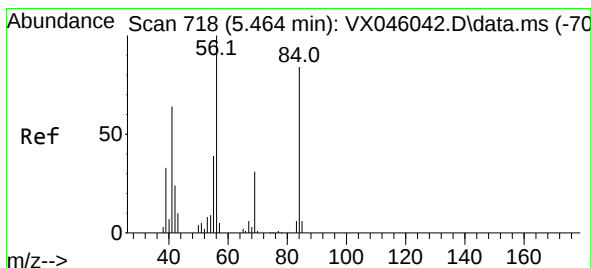
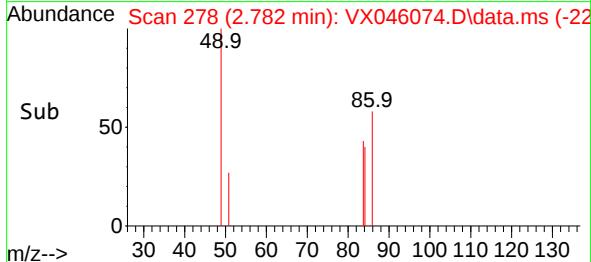
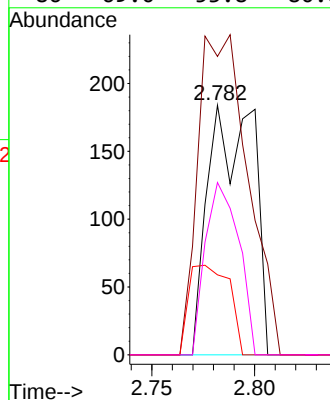
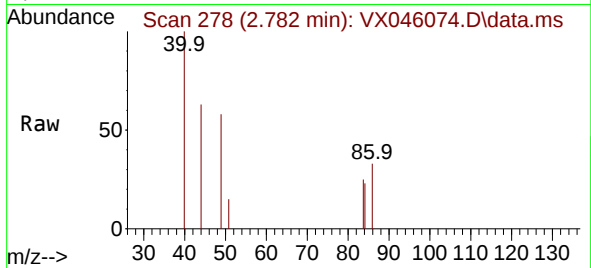




#20
Methylene Chloride
Concen: 0.287 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

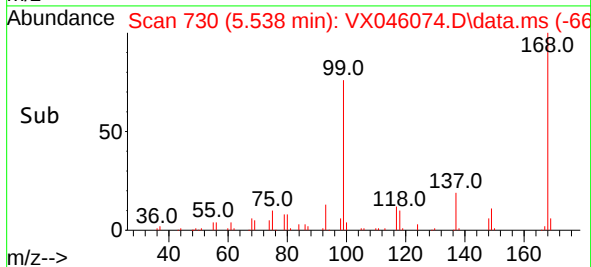
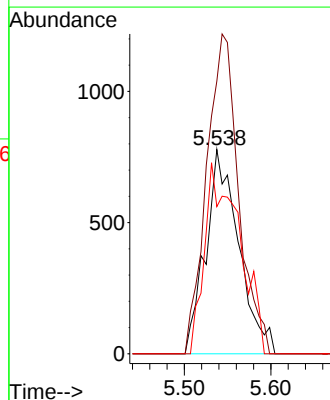
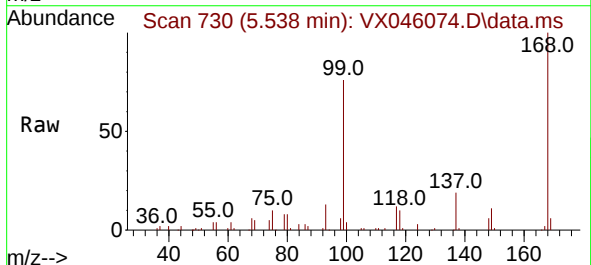
Instrument :
MSVOA_X
ClientSampleId :
3835

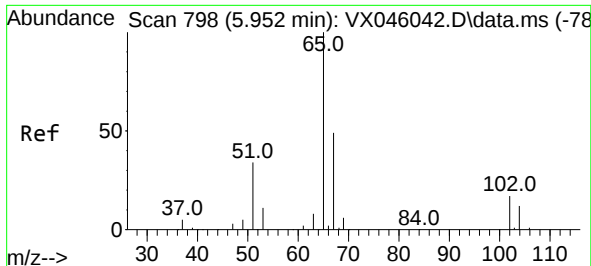
Tgt Ion:	84	Resp:	284
Ion	Ratio	Lower	Upper
84	100		
49	119.6	113.9	170.9
51	32.1	33.5	50.3#
86	69.0	53.8	80.8



#31
Cyclohexane
Concen: 1.340 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

Tgt Ion:	56	Resp:	2060
Ion	Ratio	Lower	Upper
56	100		
69	133.4	24.4	36.6#
84	72.0	66.9	100.3

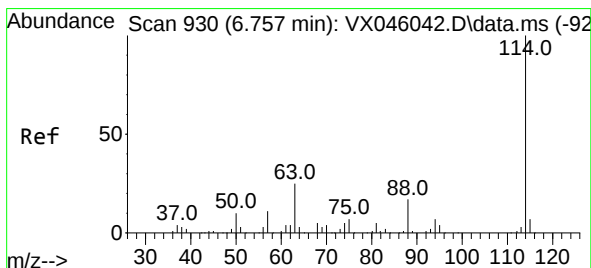
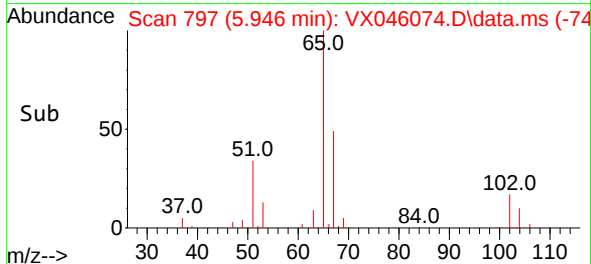
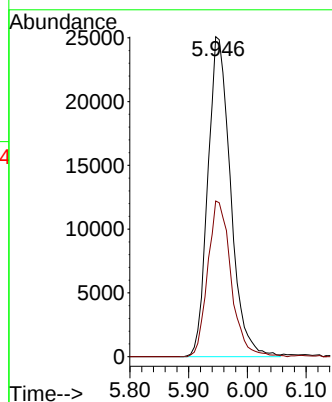
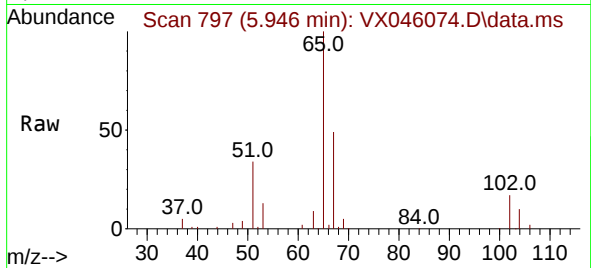




#33
 1,2-Dichloroethane-d4
 Concen: 52.254 ug/l
 RT: 5.946 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX046074.D
 Acq: 07 May 2025 15:49

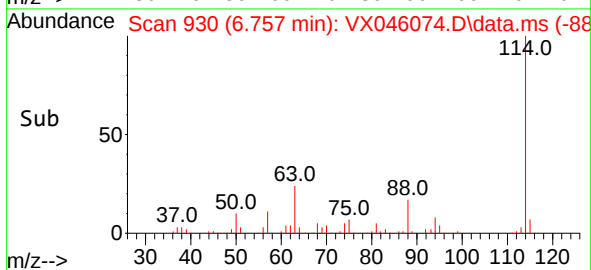
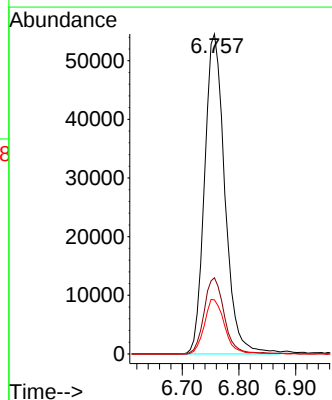
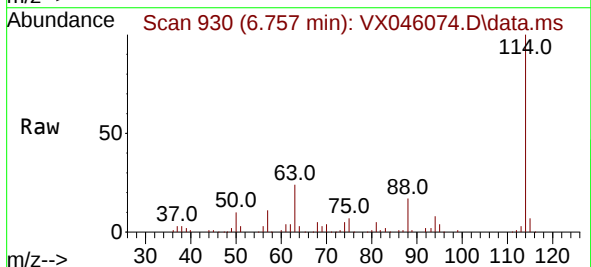
Instrument :
 MSVOA_X
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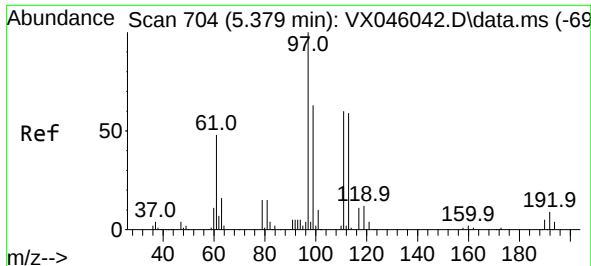
Tgt Ion: 65 Resp: 67412
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046074.D
 Acq: 07 May 2025 15:49

Tgt Ion: 114 Resp: 135604
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 49.2
 88 16.9 0.0 33.6

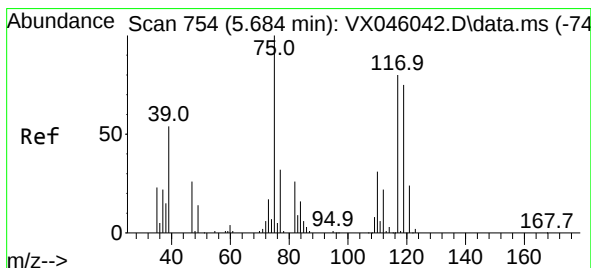
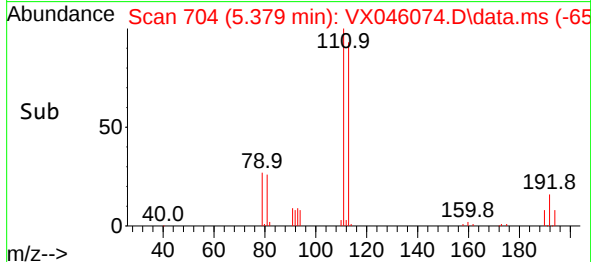
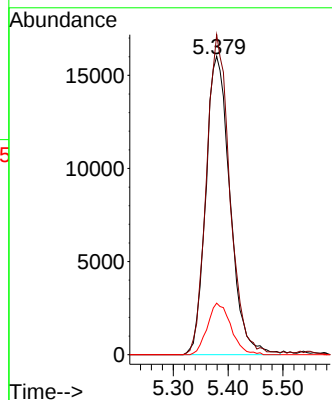
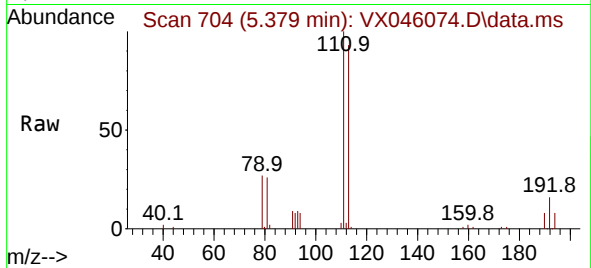




#35
Dibromofluoromethane
Concen: 50.244 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

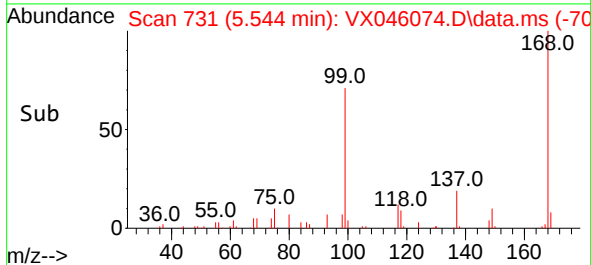
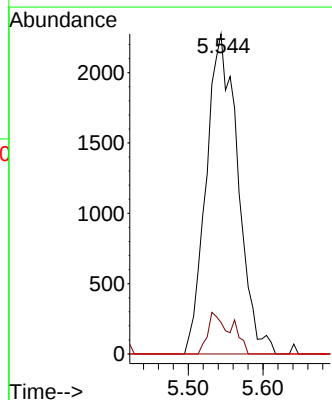
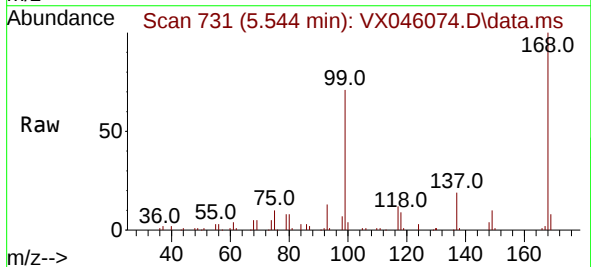
Instrument :
MSVOA_X
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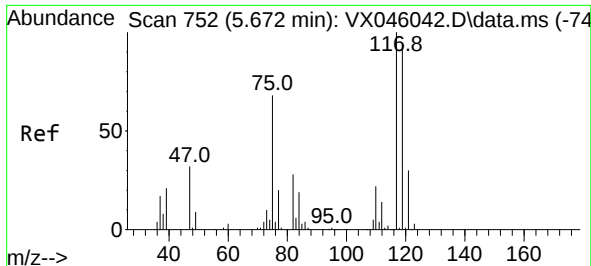
Tgt Ion:	113	Resp:	49063
Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.1	124.7
192	16.8	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.110 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

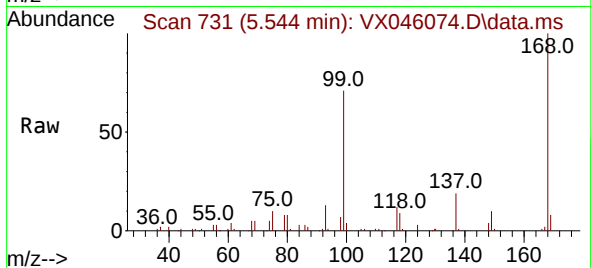
Tgt Ion:	75	Resp:	6705
Ion	Ratio	Lower	Upper
75	100		
110	7.1	16.3	48.9#
77	0.0	24.3	36.5#



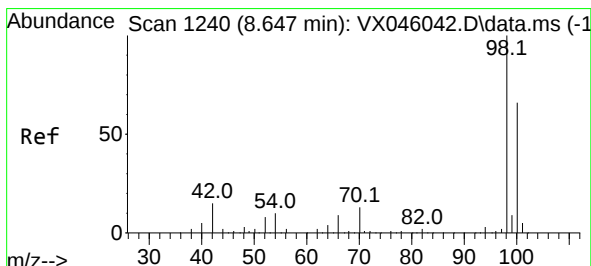
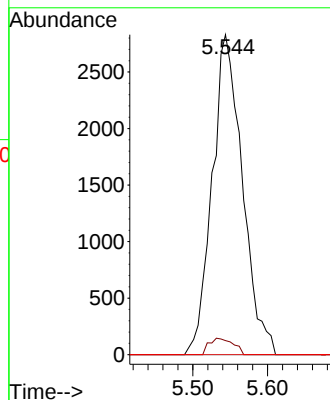
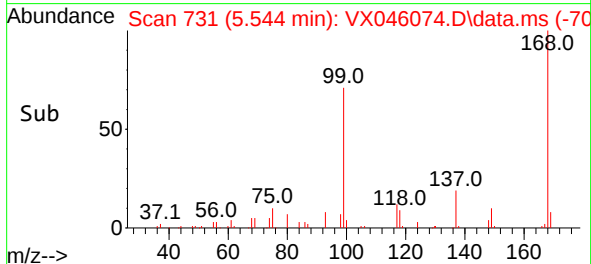


#38
Carbon Tetrachloride
Concen: 5.393 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

Instrument :
MSVOA_X
ClientSampleId :
3835

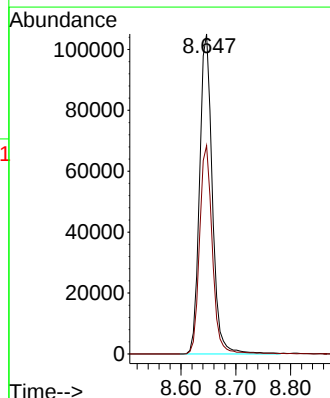
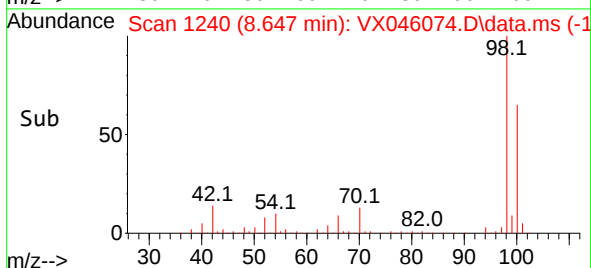
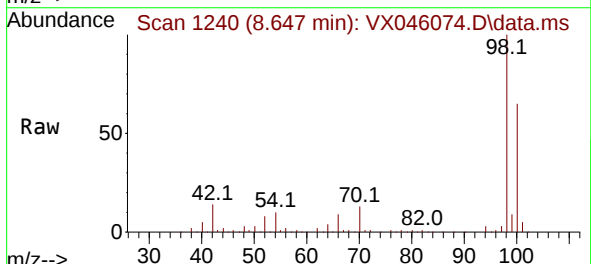


Tgt Ion:117 Resp: 7950
Ion Ratio Lower Upper
117 100
119 4.4 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.248 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

Tgt Ion: 98 Resp: 169826
Ion Ratio Lower Upper
98 100
100 65.2 53.5 80.3

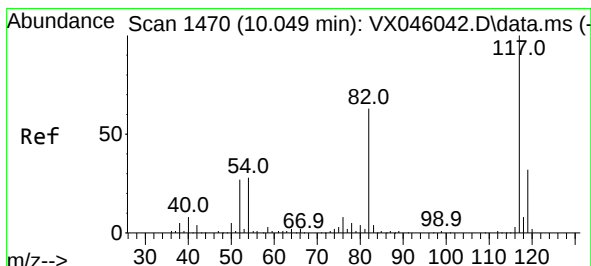
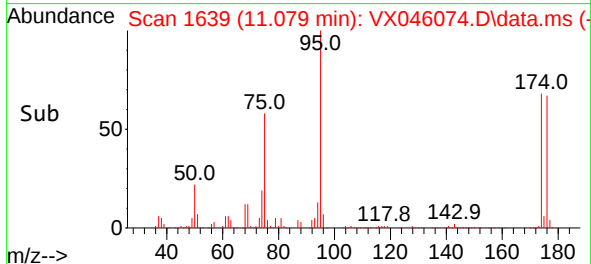
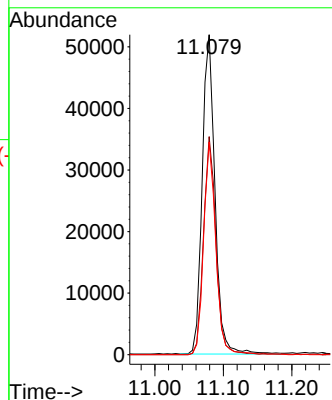
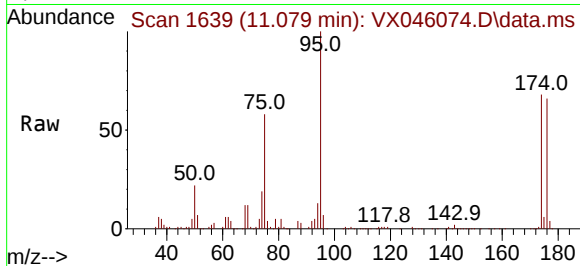




#62
4-Bromofluorobenzene
Concen: 52.094 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

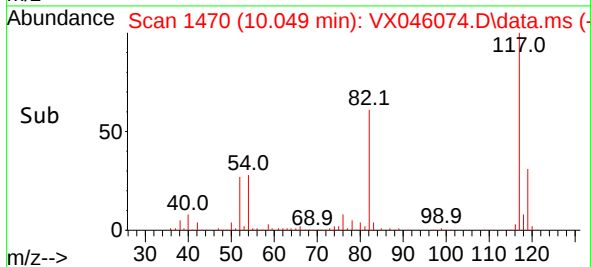
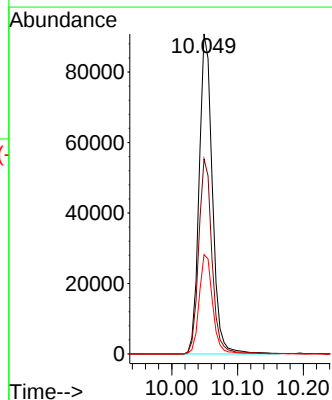
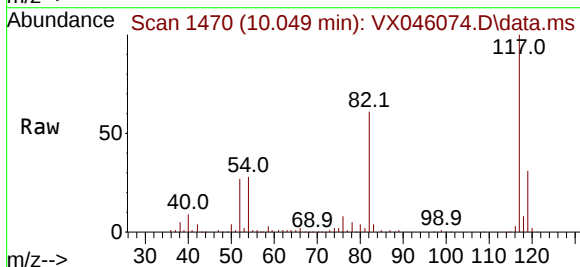
Instrument :
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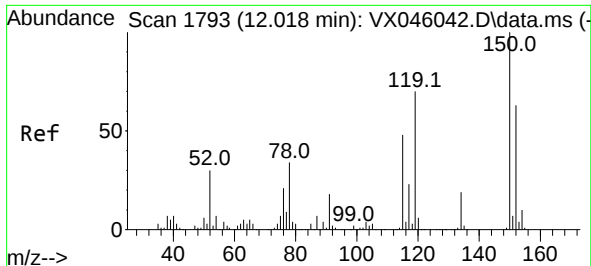
Tgt Ion: 95 Resp: 67536
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.8
176 63.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

Tgt Ion: 117 Resp: 127020
Ion Ratio Lower Upper
117 100
82 60.9 50.6 76.0
119 31.1 25.8 38.6

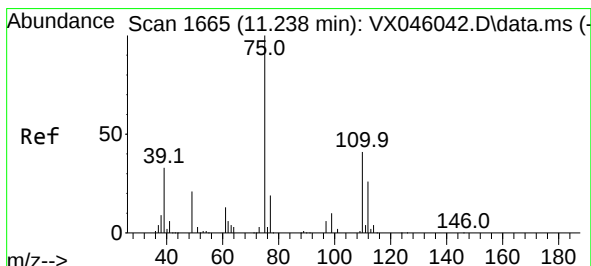
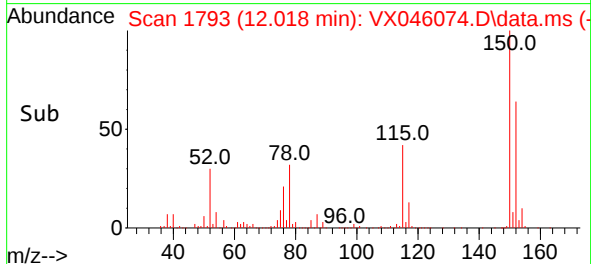
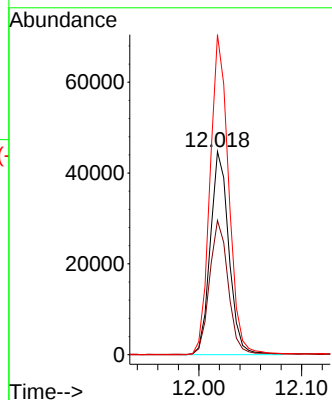
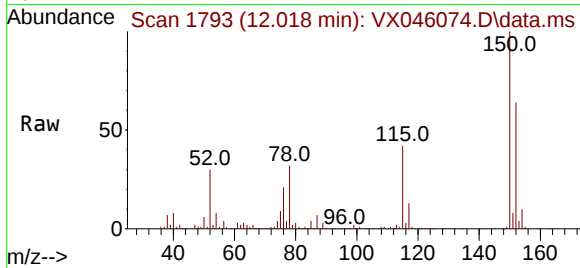




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046074.D
 Acq: 07 May 2025 15:49

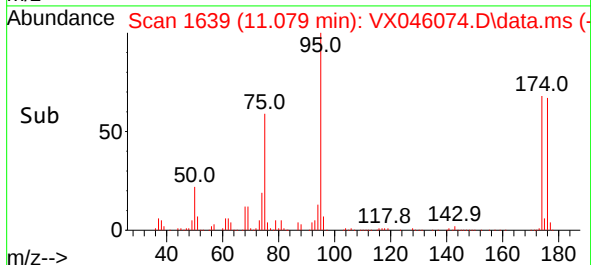
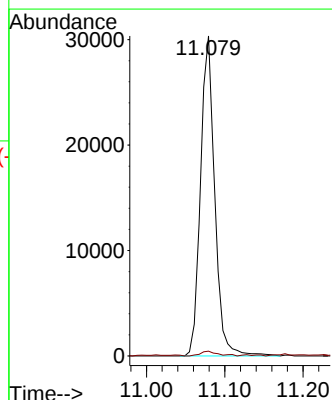
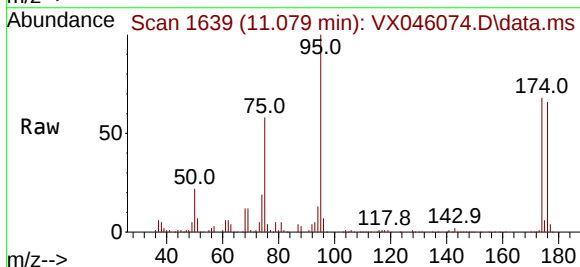
Instrument :
 MSVOA_X
 ClientSampleId :
 3835

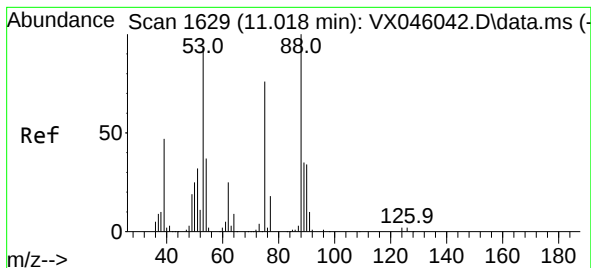
Tgt Ion:152 Resp: 55993
 Ion Ratio Lower Upper
 152 100
 115 66.5 46.9 140.7
 150 158.7 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.444 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046074.D
 Acq: 07 May 2025 15:49

Tgt Ion: 75 Resp: 38336
 Ion Ratio Lower Upper
 75 100
 77 1.8 20.5 61.5#

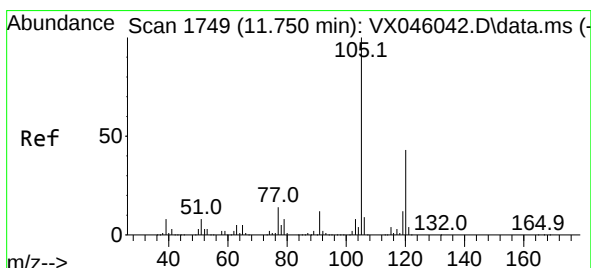
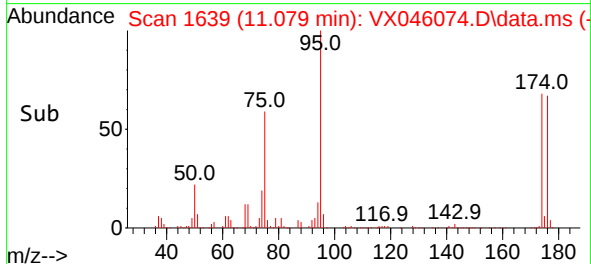
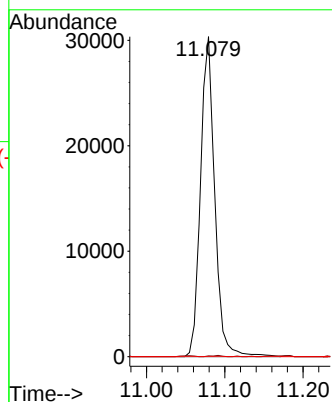
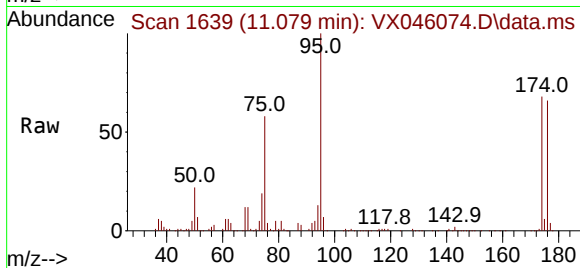




#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.604 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046074.D
 Acq: 07 May 2025 15:49

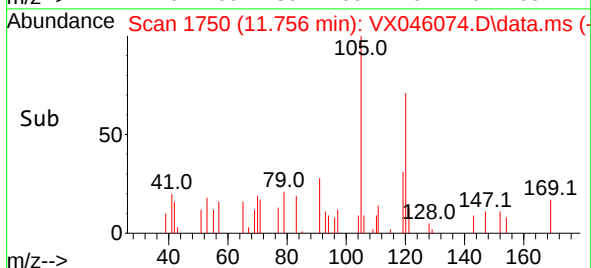
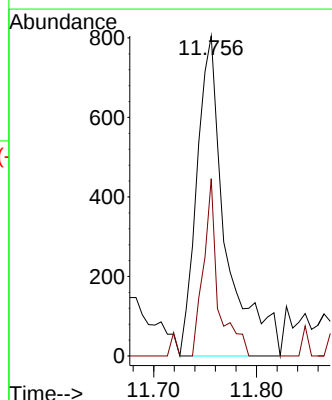
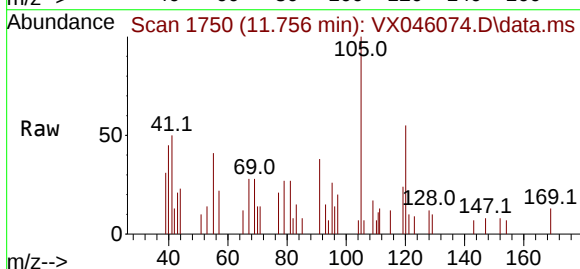
Instrument :
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 ClientSampleId :
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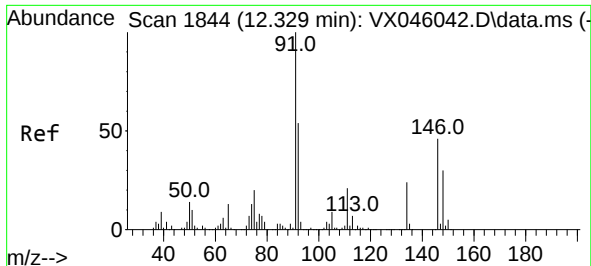
Tgt Ion: 75 Resp: 38336
 Ion Ratio Lower Upper
 75 100
 53 0.3 100.5 150.7#
 89 0.0 37.0 55.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.427 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX046074.D
 Acq: 07 May 2025 15:49

Tgt Ion: 105 Resp: 1574
 Ion Ratio Lower Upper
 105 100
 120 28.6 21.2 63.6

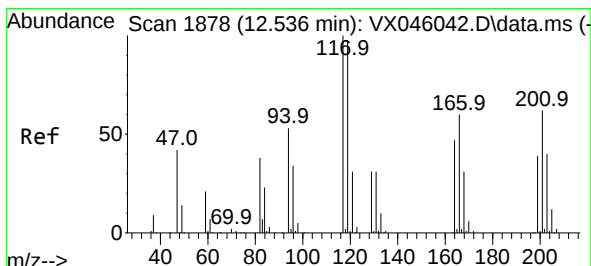
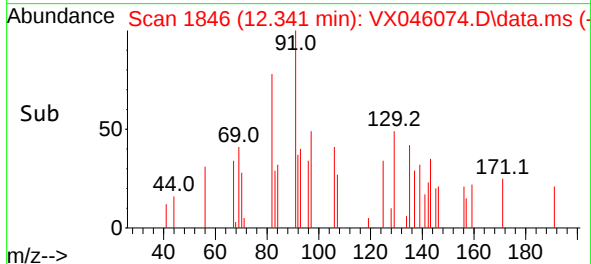
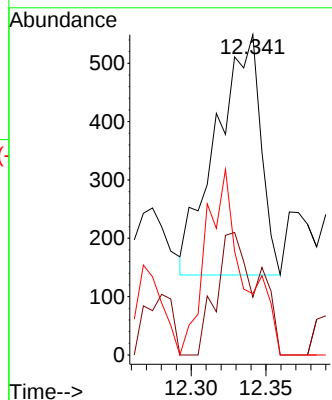
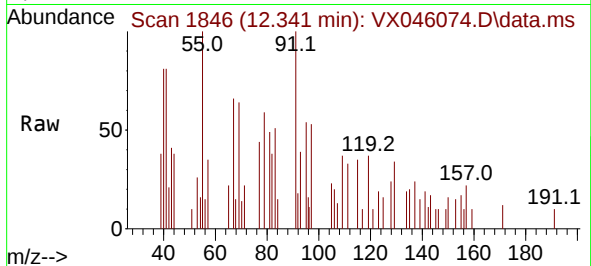




#89
n-Butylbenzene
Concen: 0.260 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.012 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

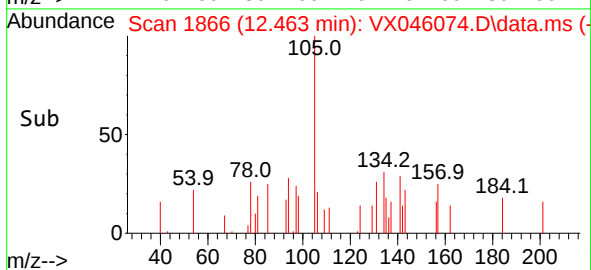
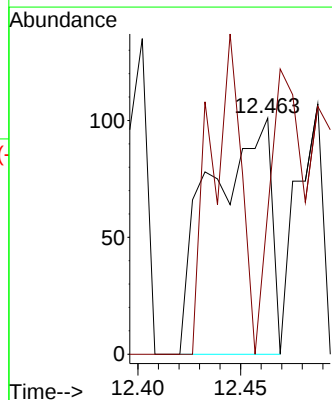
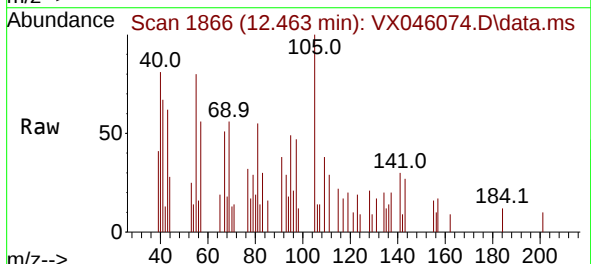
Instrument :
MSVOA_X
ClientSampleId :
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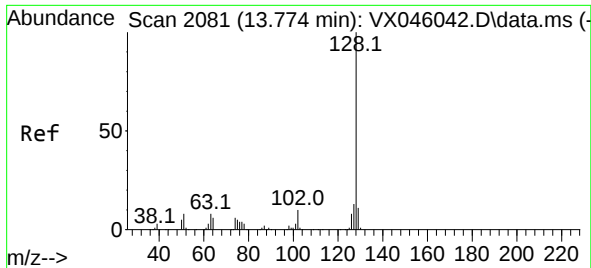
Tgt Ion: 91 Resp: 848
Ion Ratio Lower Upper
91 100
92 47.8 26.9 80.7
134 66.2 11.8 35.3#



#90
Hexachloroethane
Concen: 0.313 ug/l
RT: 12.463 min Scan# 1866
Delta R.T. -0.073 min
Lab File: VX046074.D
Acq: 07 May 2025 15:49

Tgt Ion: 117 Resp: 205
Ion Ratio Lower Upper
117 100
201 63.9 31.6 94.7





#95

Naphthalene

Concen: 0.538 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX046074.D

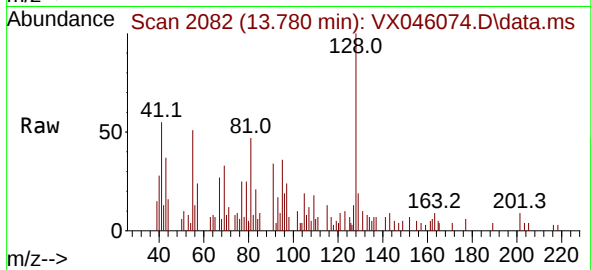
Acq: 07 May 2025 15:49

Instrument :

MSVOA_X

ClientSampleId :

3835



Tgt Ion:	128	Resp:	2102
Ion	Ratio	Lower	Upper
128	100		
127	25.1	10.4	15.6#
129	25.4	8.6	13.0#

