

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
 Data File : VX046434.D
 Acq On : 02 Jun 2025 10:51
 Operator : JC/MD
 Sample : VX0602MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602MBL01

Quant Time: Jun 03 01:25:35 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)

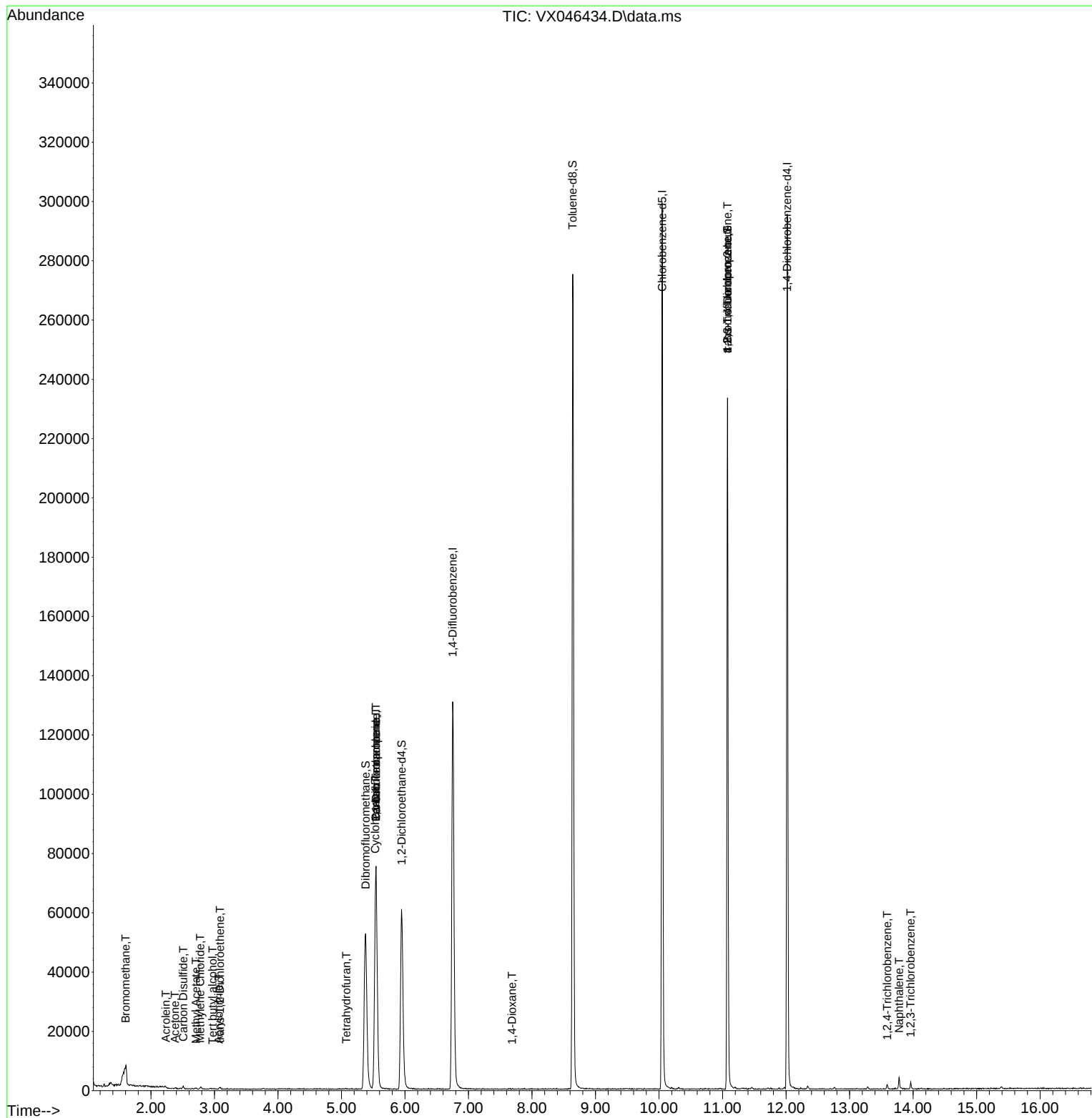
Internal Standards						
1) Pentafluorobenzene	5.544	168	62792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	125818	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63226	54.010	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.020%			
35) Dibromofluoromethane	5.379	113	46821	51.678	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.360%			
50) Toluene-d8	8.641	98	157738	50.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.600%			
62) 4-Bromofluorobenzene	11.079	95	62867	52.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.520%			
Target Compounds						Qvalue
5) Bromomethane	1.599	94	302	0.751	ug/l #	74
11) Tert butyl alcohol	2.971	59	159	0.968	ug/l #	72
13) Acrolein	2.233	56	163	0.871	ug/l	99
15) Acrylonitrile	3.069	53	304	0.647	ug/l #	72
16) Acetone	2.380	43	466	0.993	ug/l	99
17) Carbon Disulfide	2.508	76	925	0.524	ug/l #	76
18) Methyl Acetate	2.709	43	366	0.336	ug/l #	55
20) Methylene Chloride	2.776	84	362	0.402	ug/l #	43
21) trans-1,2-Dichloroethene	3.087	96	165	0.220	ug/l #	66
29) Tetrahydrofuran	5.074	42	138	0.323	ug/l #	35
31) Cyclohexane	5.532	56	1806	1.295	ug/l #	6
36) 1,1-Dichloropropene	5.544	75	6051	4.971	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7145	5.224	ug/l #	18
49) 1,4-Dioxane	7.684	88	43	1.933	ug/l #	20
76) 1,2,3-Trichloropropane	11.079	75	35963	28.380	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35963	92.397	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	590	0.589	ug/l	80
95) Naphthalene	13.780	128	3044	0.829	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	641	0.621	ug/l	94

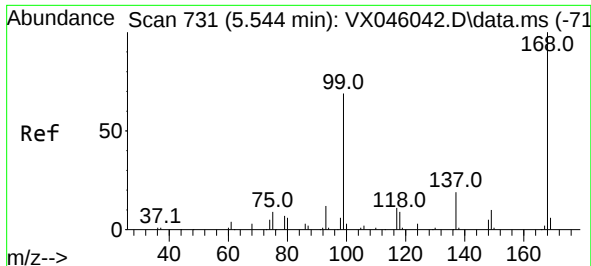
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

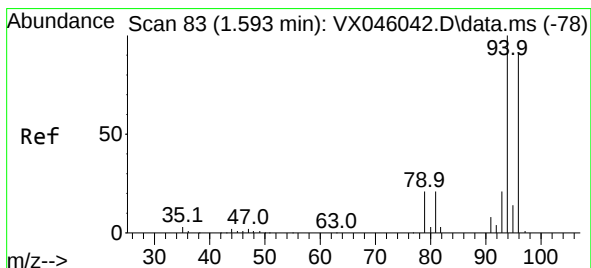
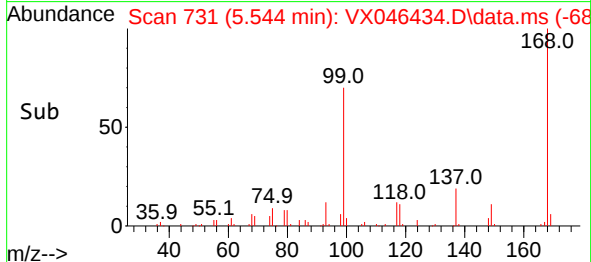
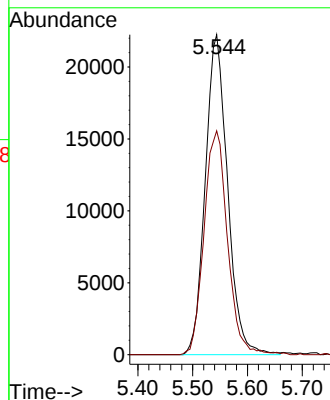
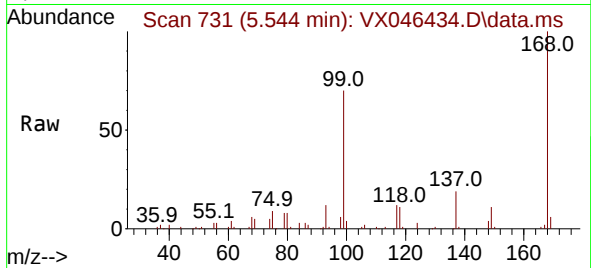




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

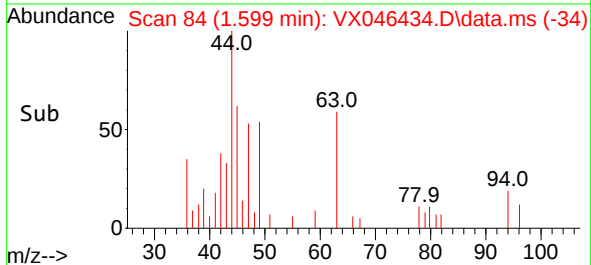
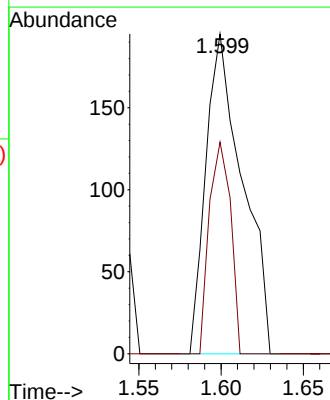
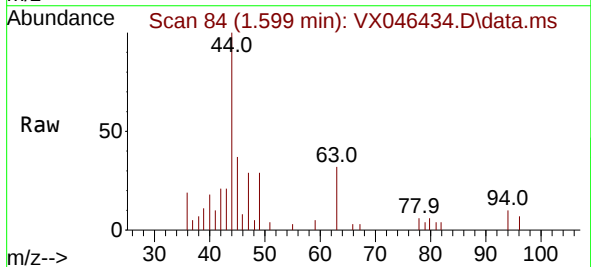
Instrument :
MSVOA_X
ClientSampleId :
VX0602MBL01

Tgt Ion:168 Resp: 62792
Ion Ratio Lower Upper
168 100
99 70.0 54.9 82.3



#5
Bromomethane
Concen: 0.751 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

Tgt Ion: 94 Resp: 302
Ion Ratio Lower Upper
94 100
96 66.2 72.8 109.2#





#11

Tert butyl alcohol

Concen: 0.968 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX046434.D

Acq: 02 Jun 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

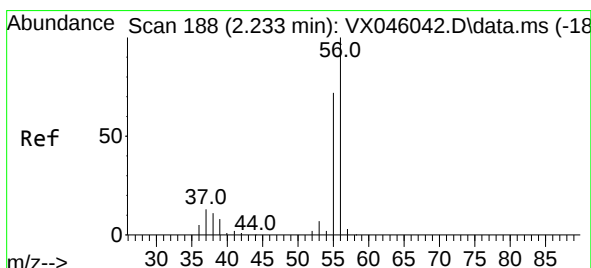
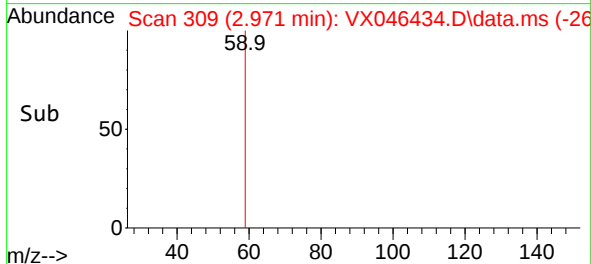
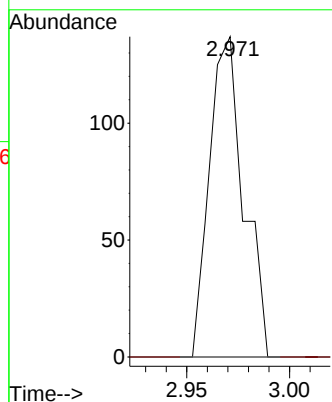
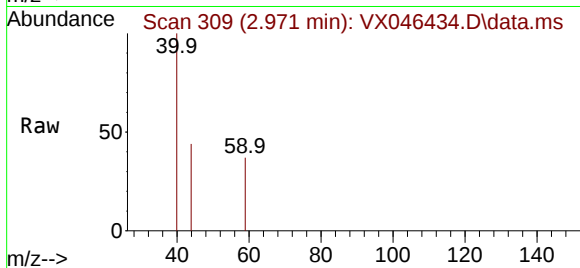
VX0602MBL01

Tgt Ion: 59 Resp: 159

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 0.871 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX046434.D

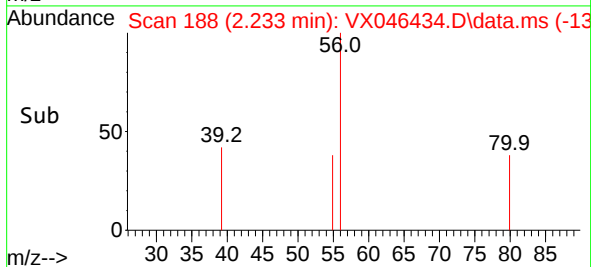
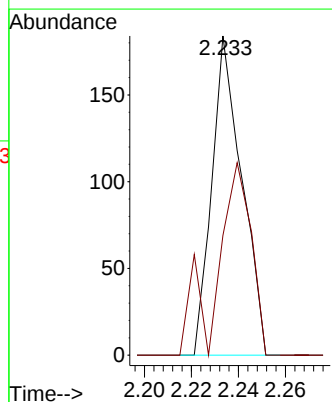
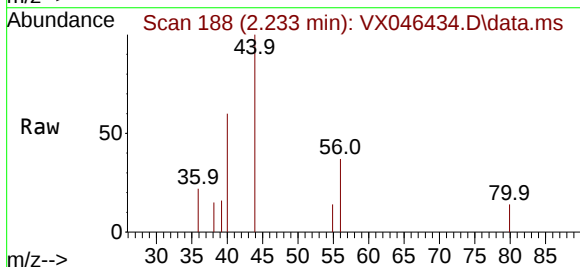
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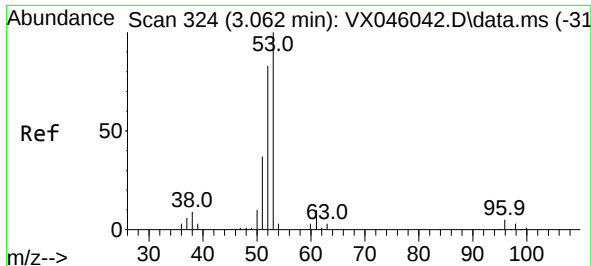
Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 69.3 56.2 84.4





#15

Acrylonitrile

Concen: 0.647 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX046434.D

Acq: 02 Jun 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

VX0602MBL01

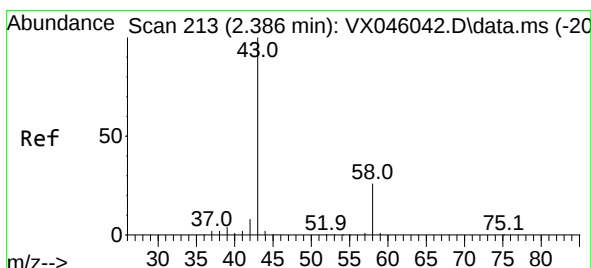
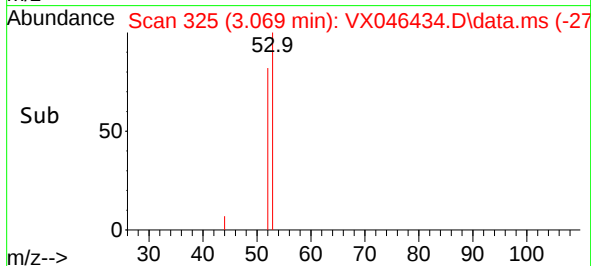
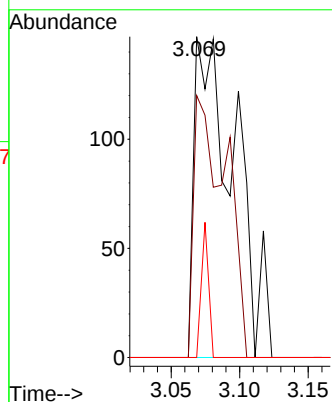
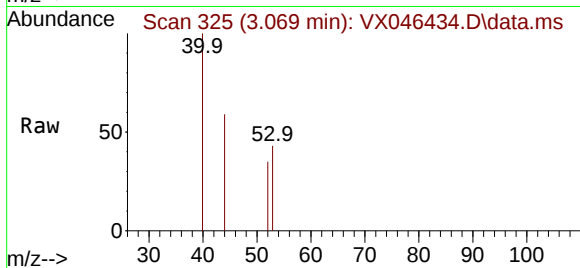
Tgt Ion: 53 Resp: 304

Ion Ratio Lower Upper

53 100

52 65.1 65.3 97.9#

51 7.6 29.8 44.8#



#16

Acetone

Concen: 0.993 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046434.D

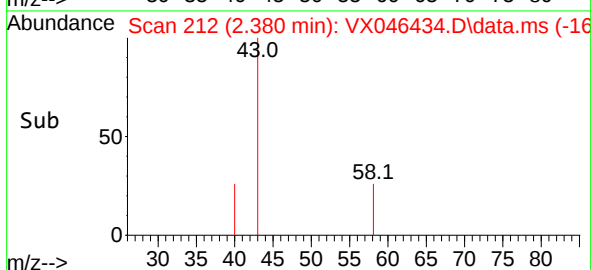
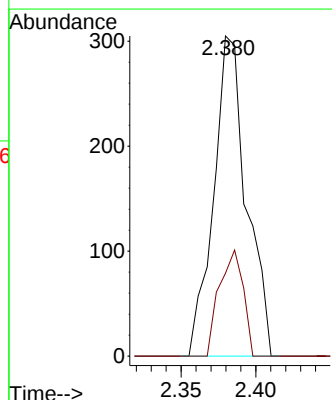
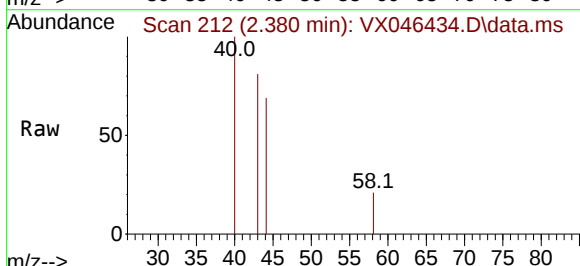
Acq: 02 Jun 2025 10:51

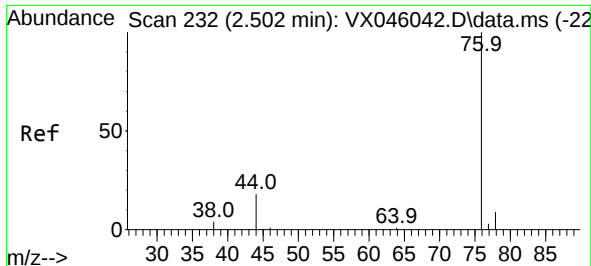
Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

58 25.9 21.2 31.8

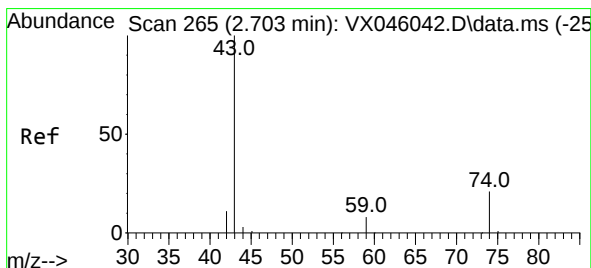
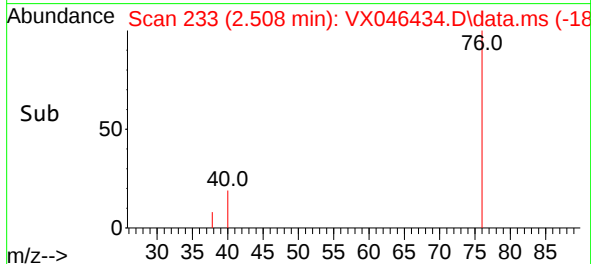
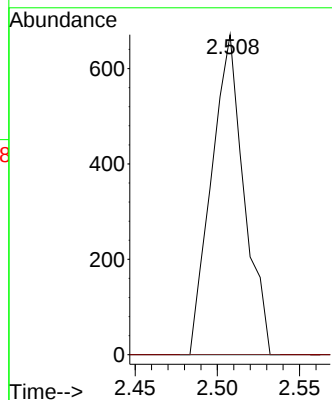
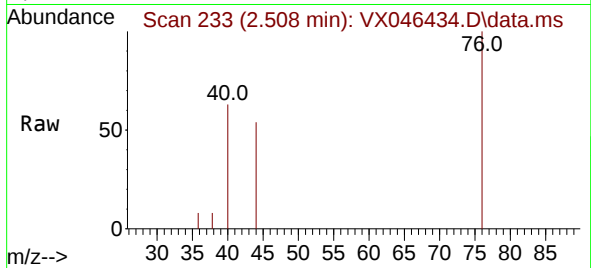




#17
Carbon Disulfide
Concen: 0.524 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

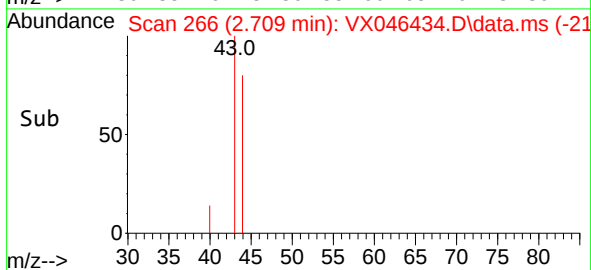
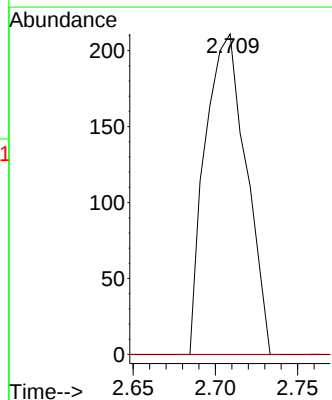
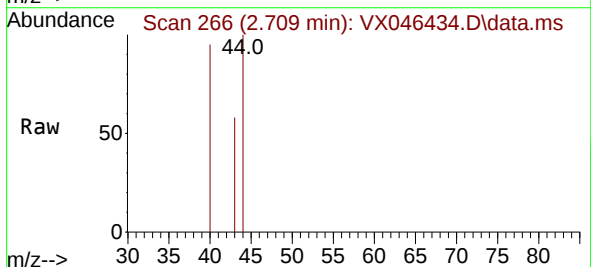
Instrument :
MSVOA_X
ClientSampleId :
VX0602MBL01

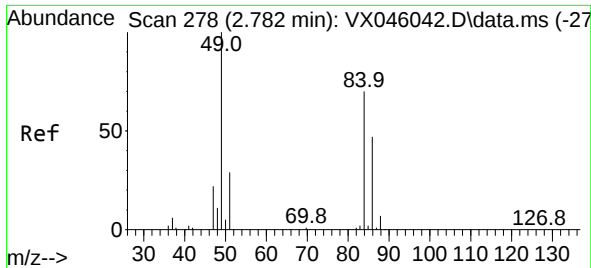
Tgt Ion: 76 Resp: 925
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 0.336 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

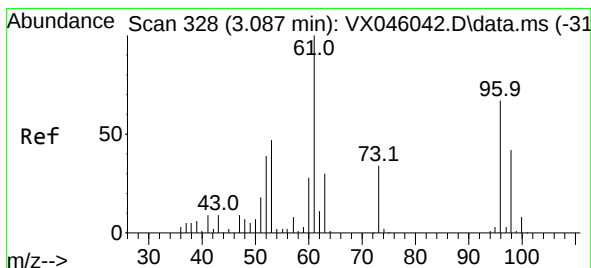
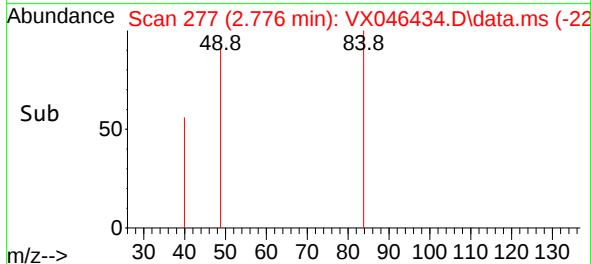
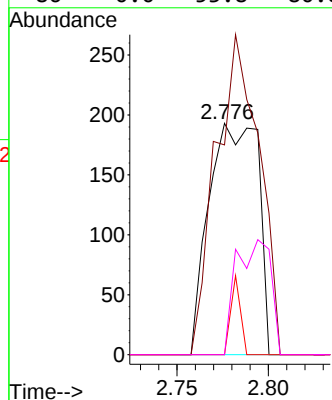
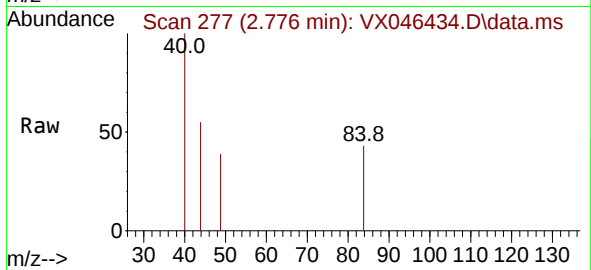




#20
Methylene Chloride
Concen: 0.402 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

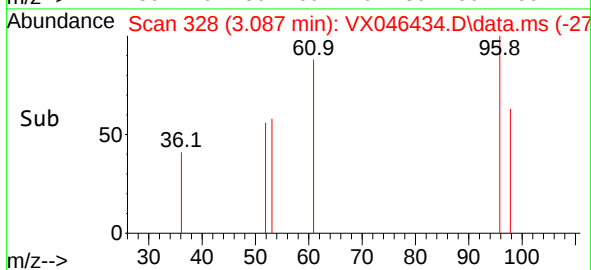
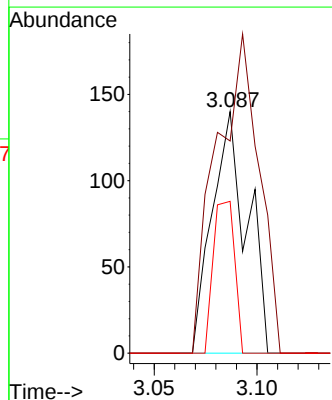
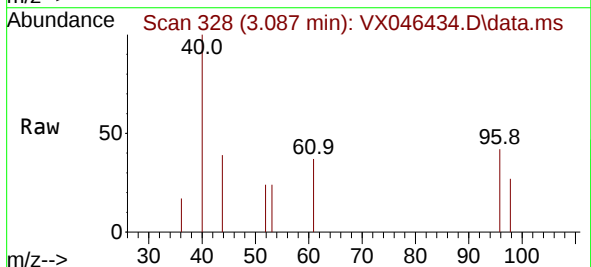
Instrument :
MSVOA_X
ClientSampleId :
VX0602MBL01

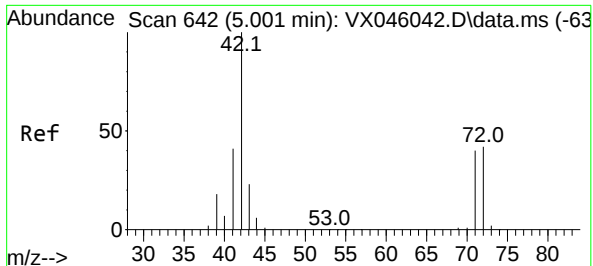
Tgt Ion:	84	Resp:	362
Ion	Ratio	Lower	Upper
84	100		
49	90.7	113.9	170.9#
51	0.0	33.5	50.3#
86	0.0	53.8	80.8#



#21
trans-1,2-Dichloroethene
Concen: 0.220 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.000 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

Tgt Ion:	96	Resp:	165
Ion	Ratio	Lower	Upper
96	100		
61	87.9	119.5	179.3#
98	62.9	50.0	75.0





#29

Tetrahydrofuran

Concen: 0.323 ug/l

RT: 5.074 min Scan# 61

Delta R.T. 0.073 min

Lab File: VX046434.D

Acq: 02 Jun 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

VX0602MBL01

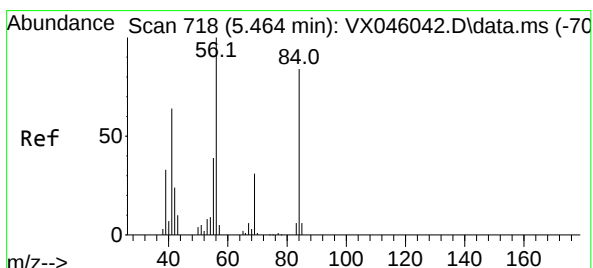
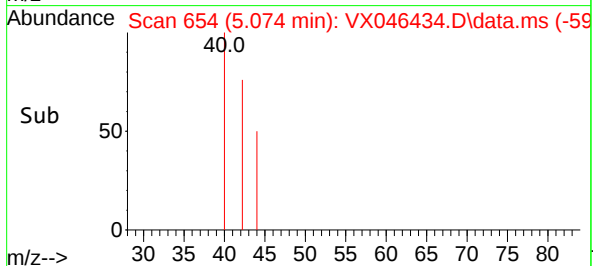
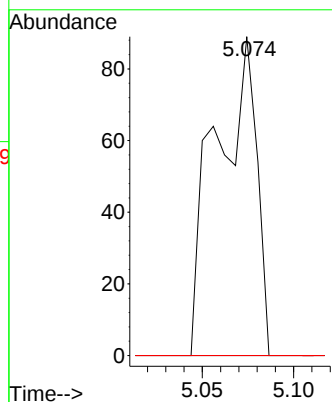
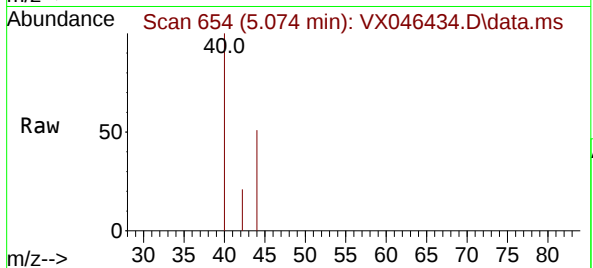
Tgt Ion: 42 Resp: 138

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.295 ug/l

RT: 5.532 min Scan# 729

Delta R.T. 0.067 min

Lab File: VX046434.D

Acq: 02 Jun 2025 10:51

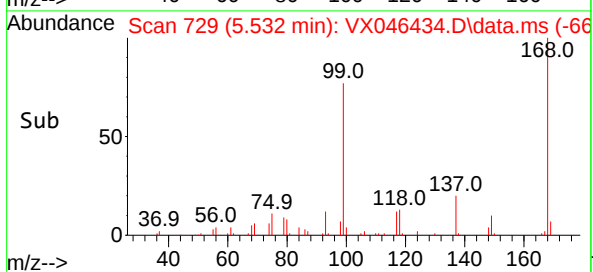
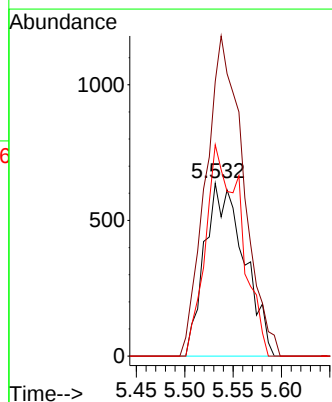
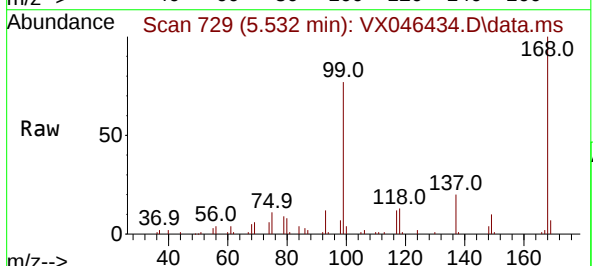
Tgt Ion: 56 Resp: 1806

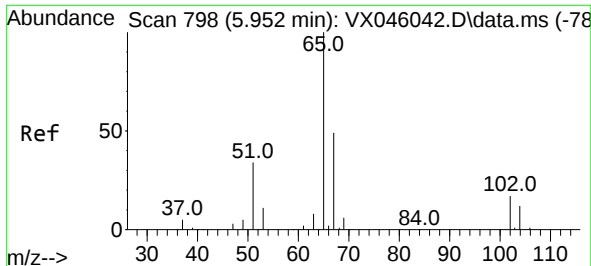
Ion Ratio Lower Upper

56 100

69 158.9 24.4 36.6#

84 122.3 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 54.010 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046434.D

Acq: 02 Jun 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

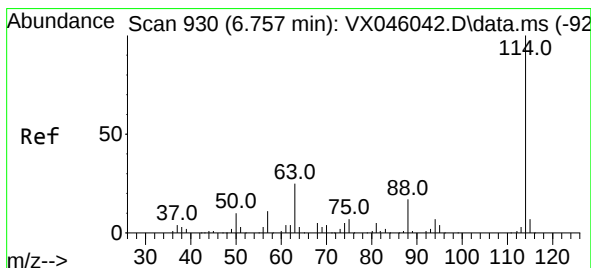
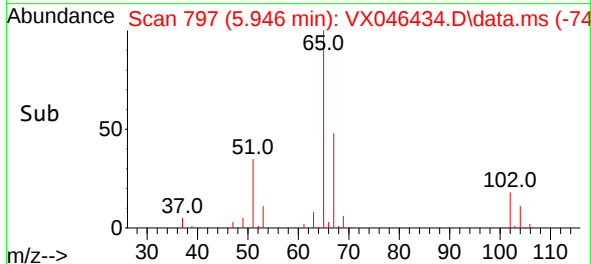
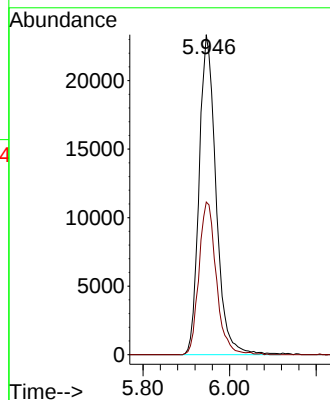
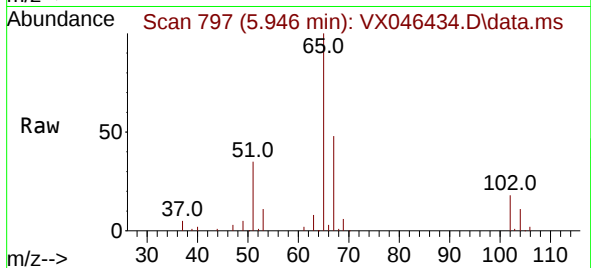
VX0602MBL01

Tgt Ion: 65 Resp: 63226

Ion Ratio Lower Upper

65 100

67 48.9 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX046434.D

Acq: 02 Jun 2025 10:51

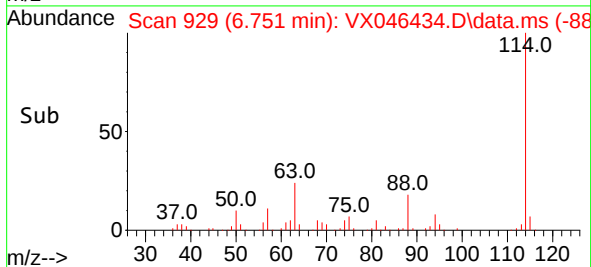
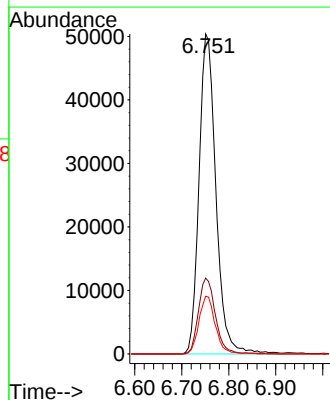
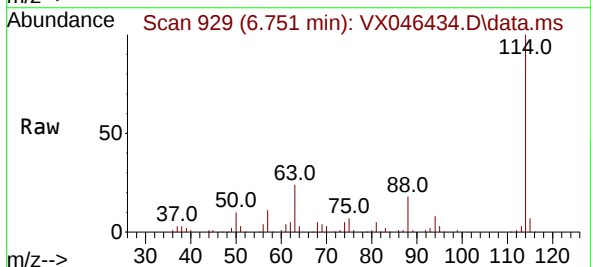
Tgt Ion: 114 Resp: 125818

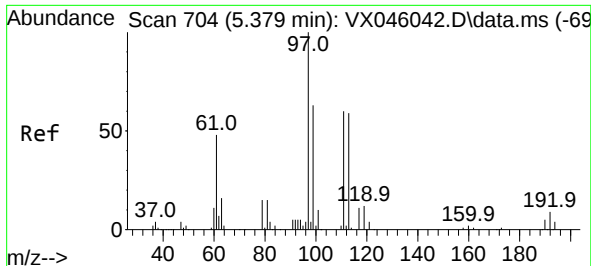
Ion Ratio Lower Upper

114 100

63 23.7 0.0 49.2

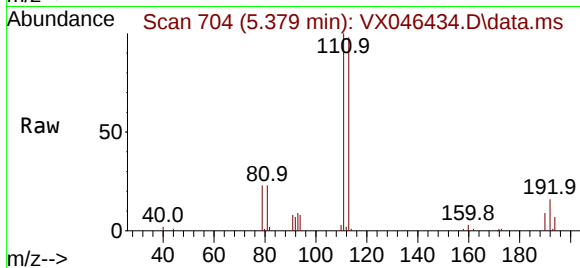
88 18.1 0.0 33.6



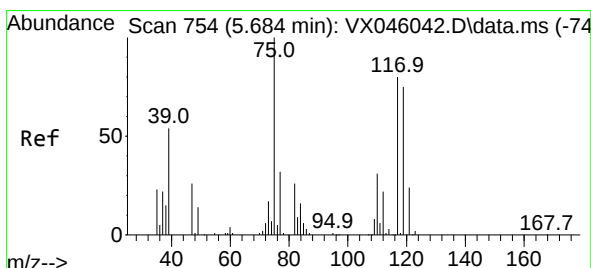
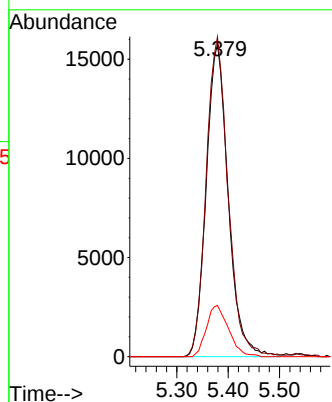
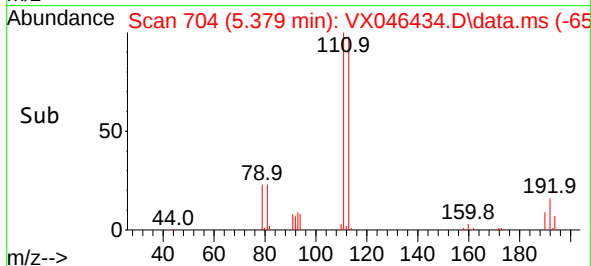


#35
Dibromofluoromethane
Concen: 51.678 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

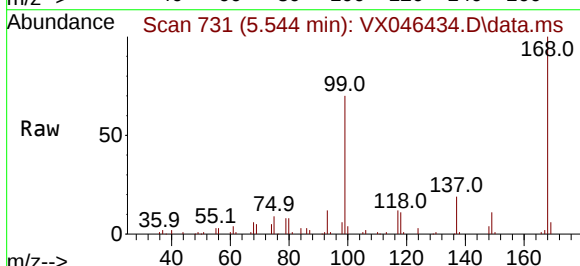
Instrument :
MSVOA_X
ClientSampleId :
VX0602MBL01



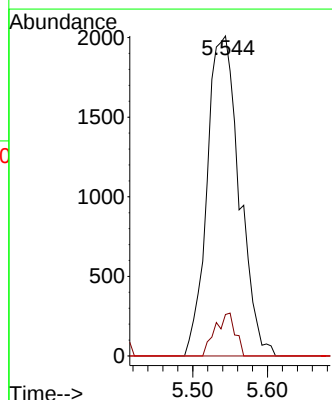
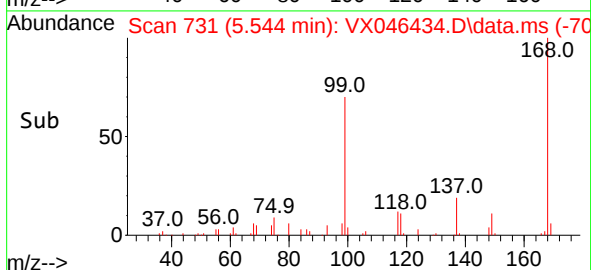
Tgt Ion:113 Resp: 46821
Ion Ratio Lower Upper
113 100
111 102.1 83.1 124.7
192 16.6 13.3 19.9

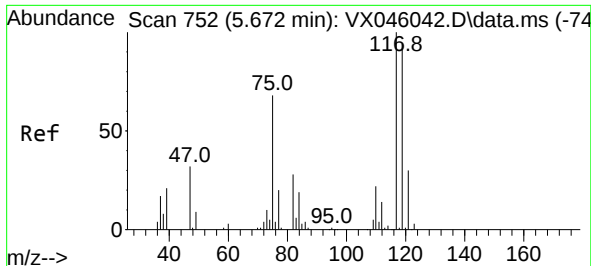


#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51



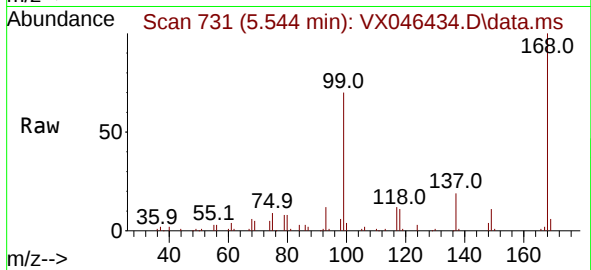
Tgt Ion: 75 Resp: 6051
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.3 36.5#



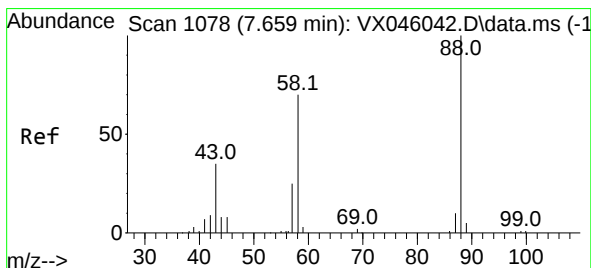
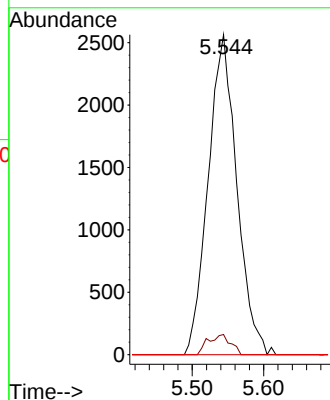
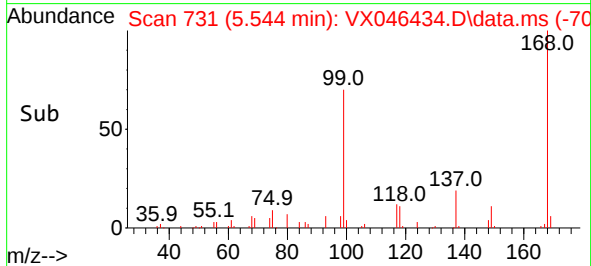


#38
Carbon Tetrachloride
Concen: 5.224 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

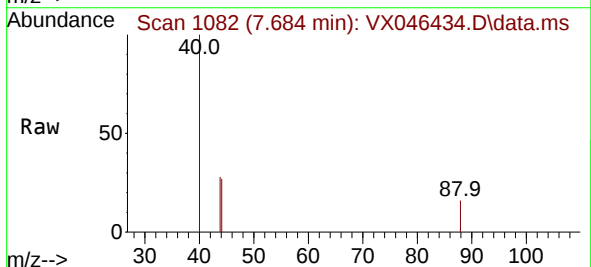
Instrument :
MSVOA_X
ClientSampleId :
VX0602MBL01



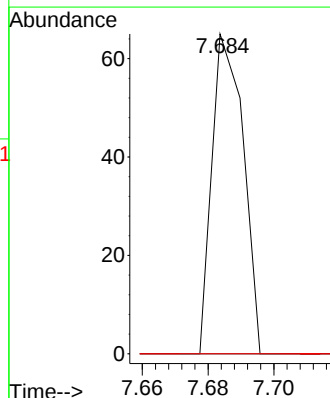
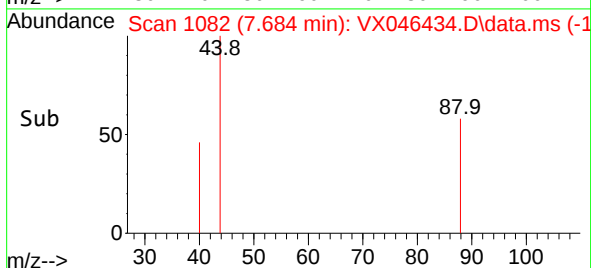
Tgt Ion:117 Resp: 7145
Ion Ratio Lower Upper
117 100
119 6.3 75.2 112.8#
121 0.0 24.2 36.4#

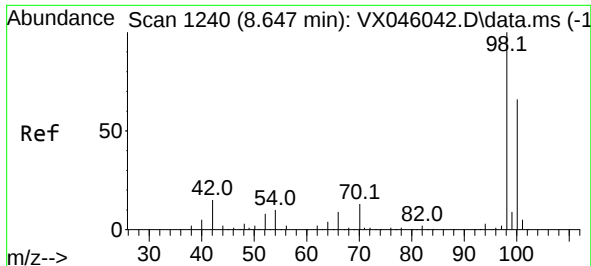


#49
1,4-Dioxane
Concen: 1.933 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51



Tgt Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 0.0 33.4 50.2#
58 0.0 58.6 88.0#

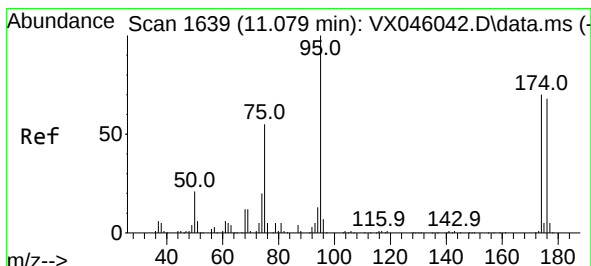
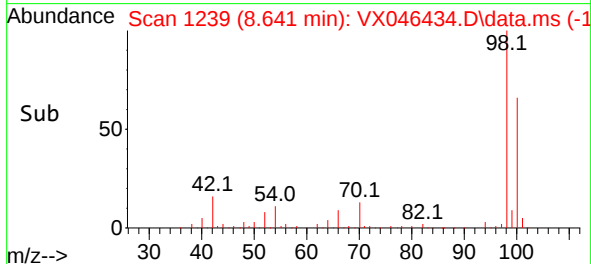
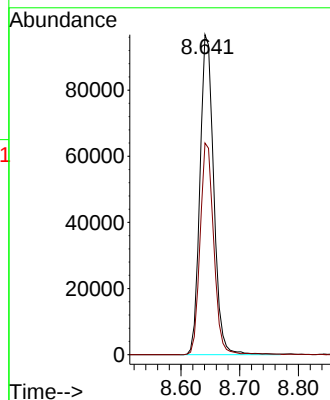
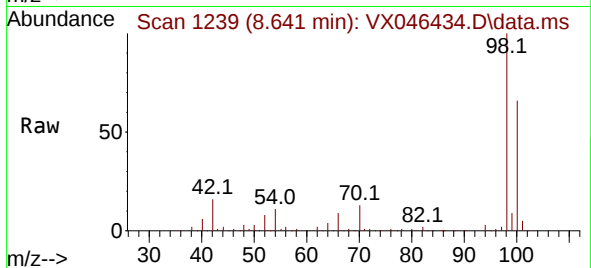




#50
Toluene-d8
Concen: 50.301 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

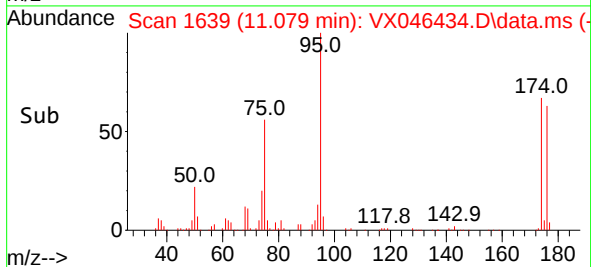
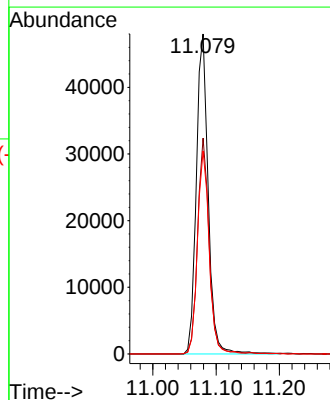
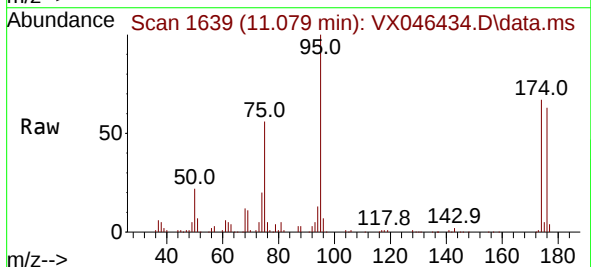
Instrument :
MSVOA_X
ClientSampleId :
VX0602MBL01

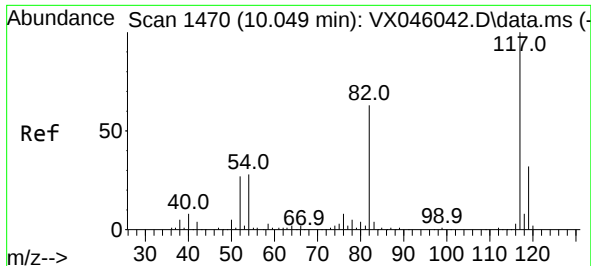
Tgt Ion: 98 Resp: 157738
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 52.264 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

Tgt Ion: 95 Resp: 62867
Ion Ratio Lower Upper
95 100
174 65.1 0.0 135.8
176 62.6 0.0 131.4

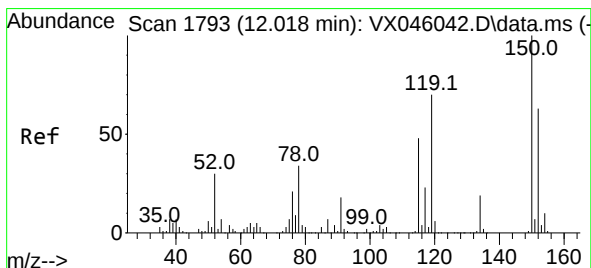
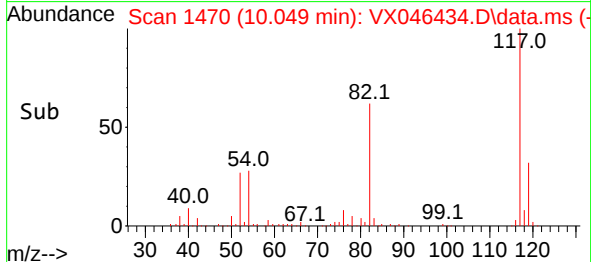
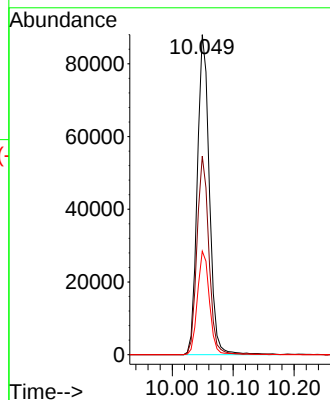
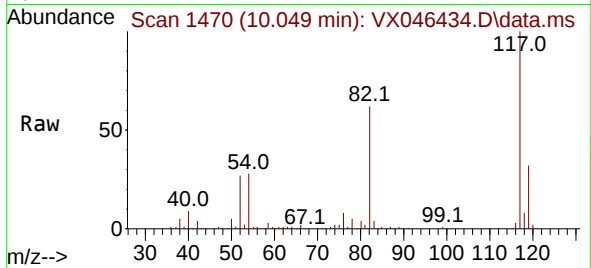




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

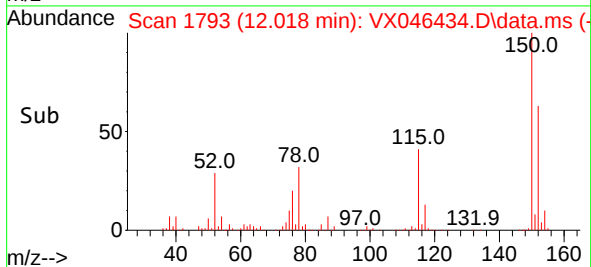
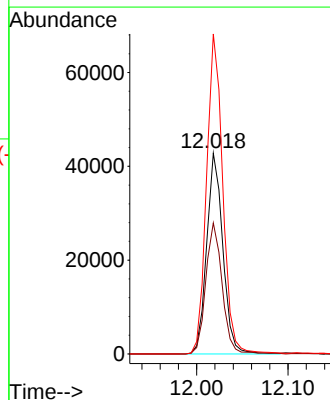
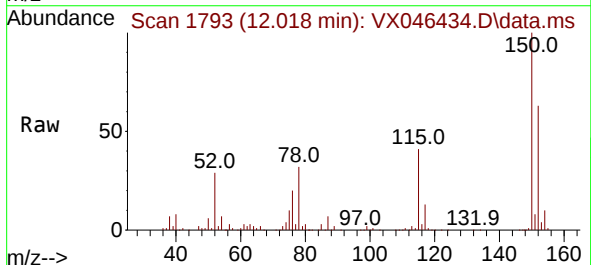
Instrument :
MSVOA_X
ClientSampleId :
VX0602MBL01

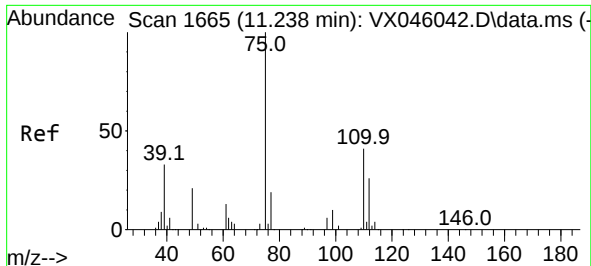
Tgt Ion:117 Resp: 120866
Ion Ratio Lower Upper
117 100
82 62.1 50.6 76.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

Tgt Ion:152 Resp: 52645
Ion Ratio Lower Upper
152 100
115 65.8 46.9 140.7
150 159.1 0.0 351.0

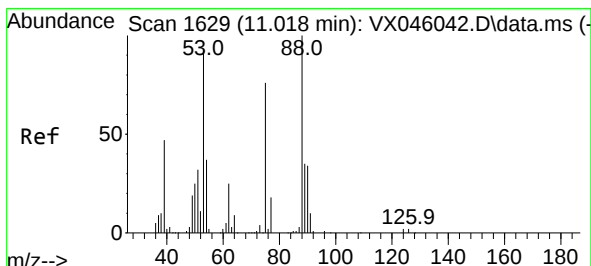
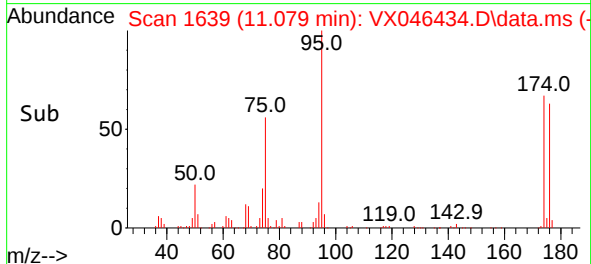
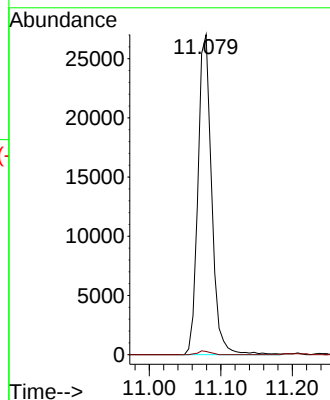
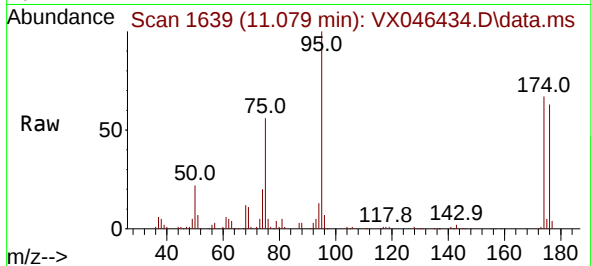




#76
1,2,3-Trichloropropane
Concen: 28.380 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

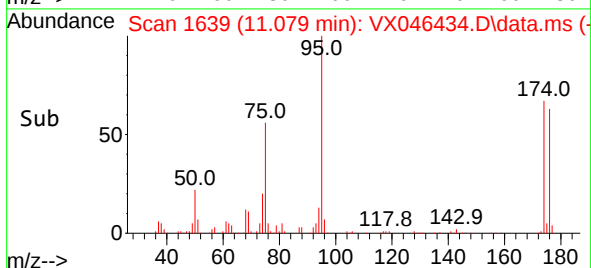
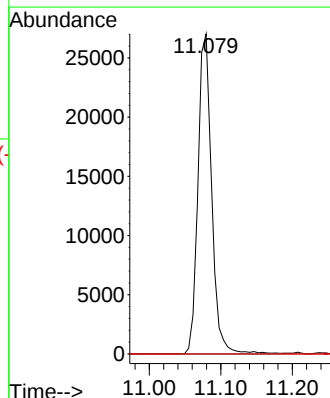
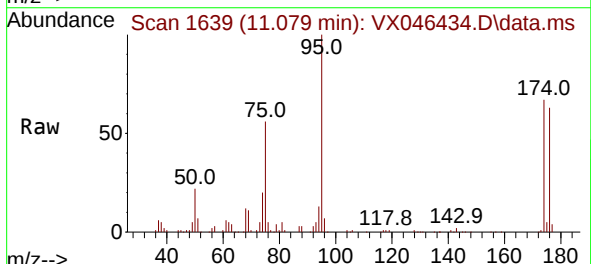
Instrument :
MSVOA_X
ClientSampleId :
VX0602MBL01

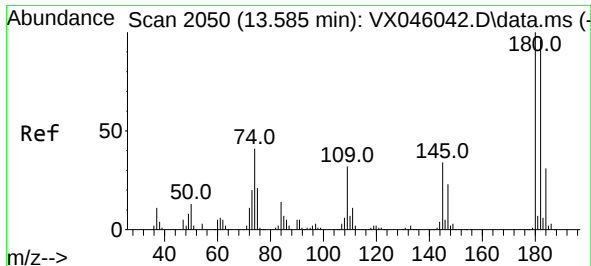
Tgt Ion: 75 Resp: 35963
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.397 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

Tgt Ion: 75 Resp: 35963
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

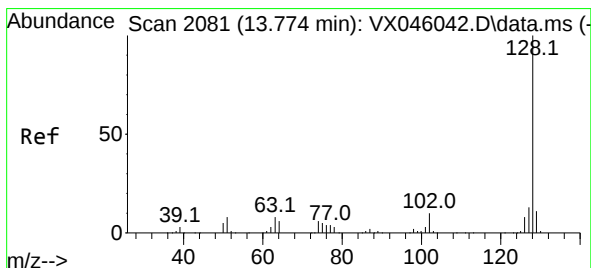
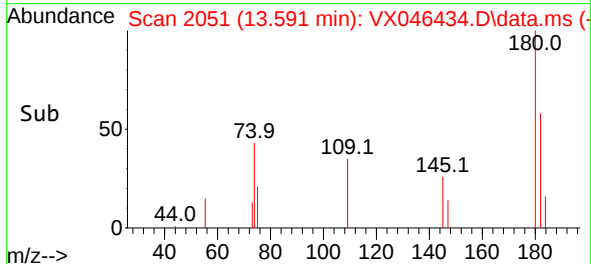
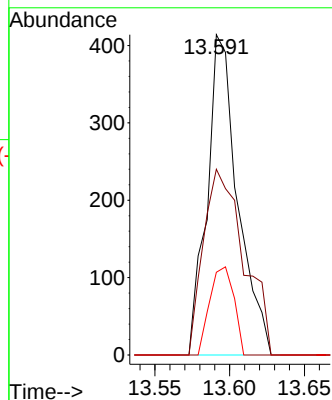
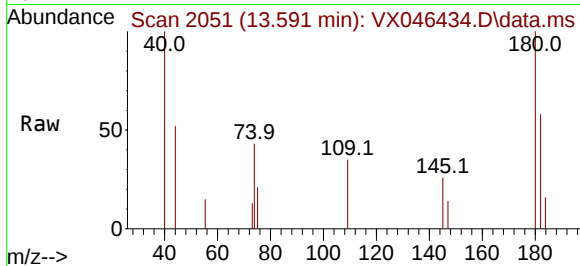




#93
1,2,4-Trichlorobenzene
Concen: 0.589 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

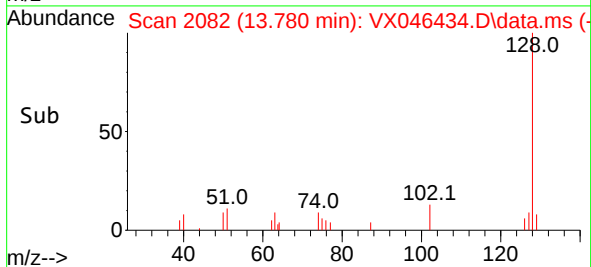
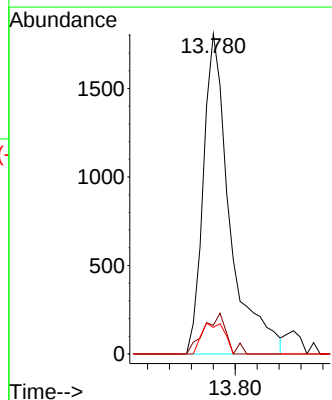
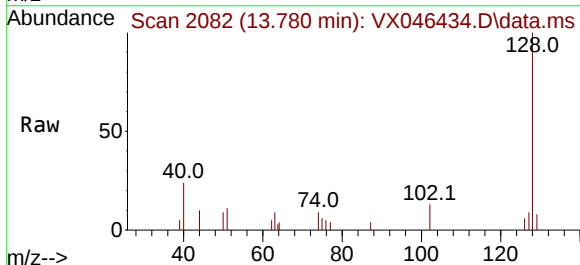
Instrument :
MSVOA_X
ClientSampleId :
VX0602MBL01

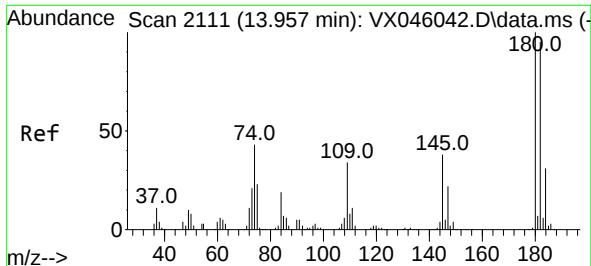
Tgt Ion:180 Resp: 590
Ion Ratio Lower Upper
180 100
182 76.6 47.9 143.8
145 21.7 17.1 51.2



#95
Naphthalene
Concen: 0.829 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046434.D
Acq: 02 Jun 2025 10:51

Tgt Ion:128 Resp: 3044
Ion Ratio Lower Upper
128 100
127 10.9 10.4 15.6
129 8.3 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.621 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046434.D

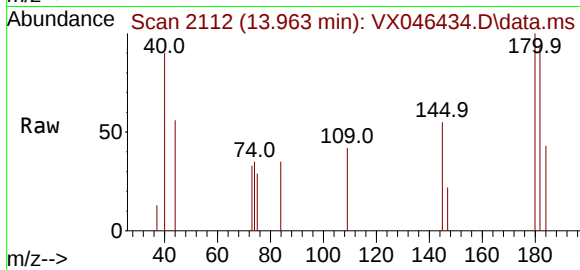
Acq: 02 Jun 2025 10:51

Instrument :

MSVOA_X

ClientSampleId :

VX0602MBL01



Tgt Ion:180 Resp: 641

Ion Ratio Lower Upper

180 100

182 93.9 47.8 143.3

145 45.6 18.1 54.3

