

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047114.D
 Acq On : 24 Jul 2025 13:06
 Operator : JC/MD
 Sample : Q2481-14 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 01:22:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	452175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	826688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	795791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	405857	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	314379	55.813	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.620%
35) Dibromofluoromethane	5.397	113	150580	29.501	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	59.000%#
50) Toluene-d8	8.647	98	928052	56.144	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	112.280%#
62) 4-Bromofluorobenzene	11.079	95	382770	53.733	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.460%

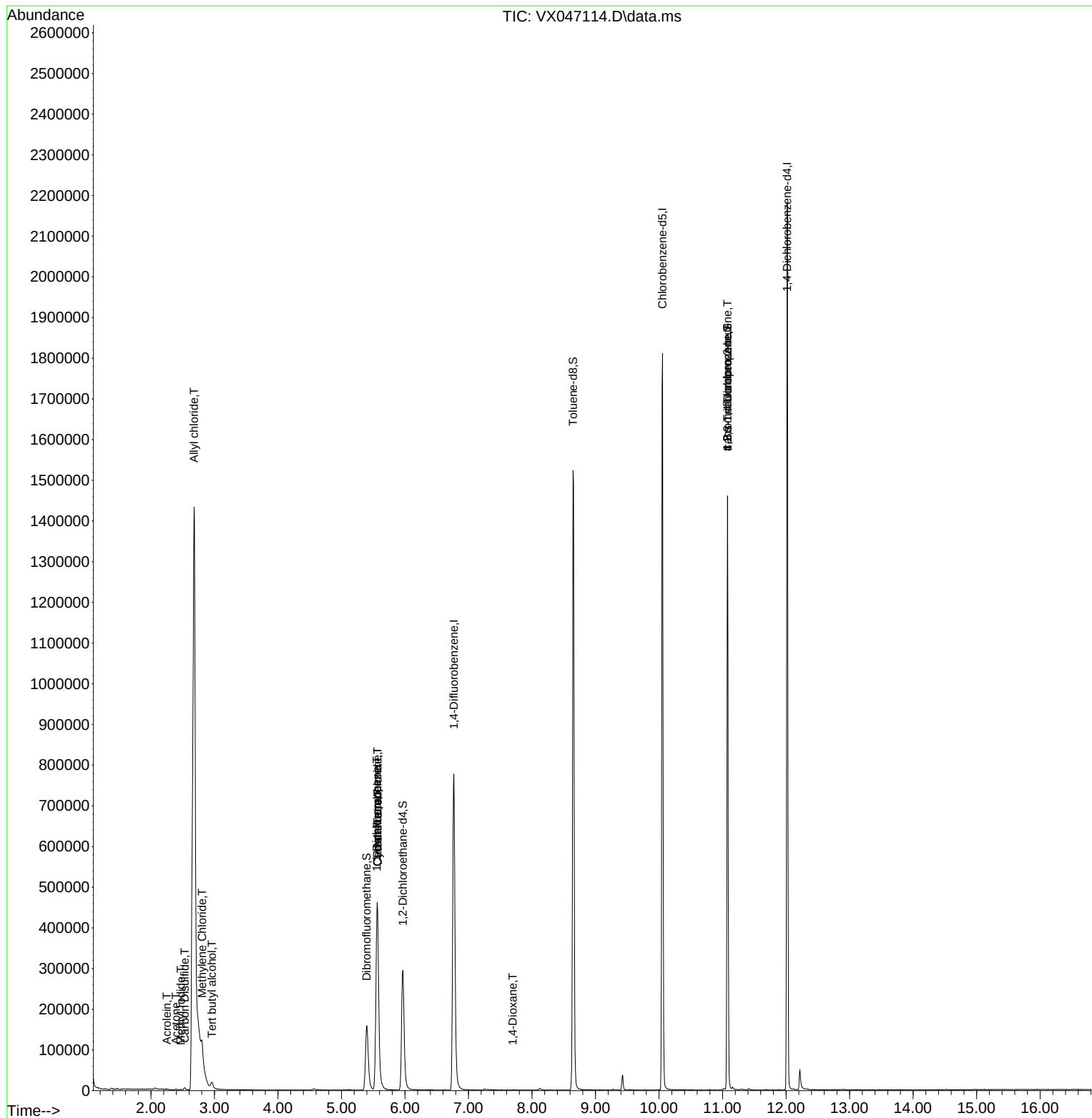
Target Compounds					Qvalue	
10) Methyl Iodide	2.471	142	2210	0.378	ug/l #	85
11) Tert butyl alcohol	2.959	59	9481	4.289	ug/l #	81
13) Acrolein	2.252	56	867	0.715	ug/l #	74
14) Allyl chloride	2.678	41	2793637	271.967	ug/l #	42
16) Acetone	2.392	43	2662	1.180	ug/l	90
17) Carbon Disulfide	2.532	76	6490	0.395	ug/l #	95
20) Methylene Chloride	2.806	84	16950	2.730	ug/l	95
31) Cyclohexane	5.568	56	10805	1.026	ug/l #	2
36) 1,1-Dichloropropene	5.556	75	39161	4.501	ug/l #	50
38) Carbon Tetrachloride	5.568	117	48767	5.251	ug/l #	16
49) 1,4-Dioxane	7.696	88	142	1.834	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	203662	27.111	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	203662	69.848	ug/l #	8

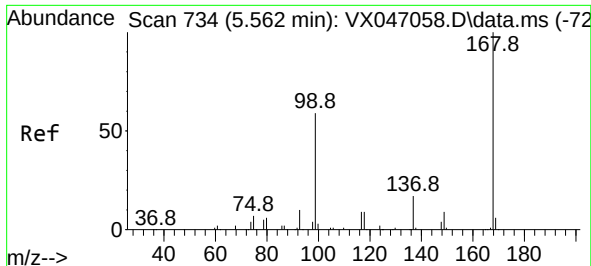
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 25 01:22:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

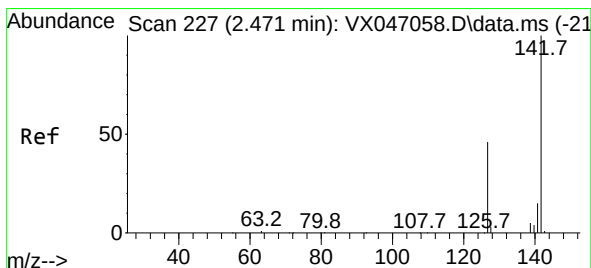
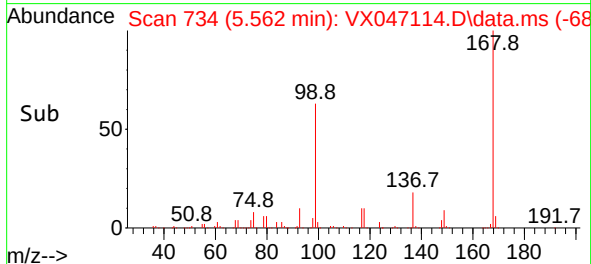
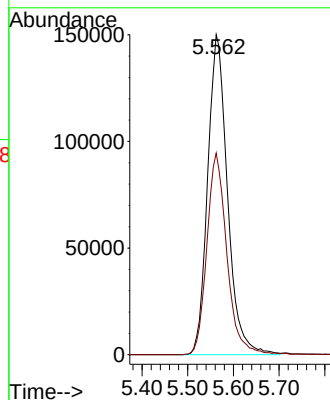
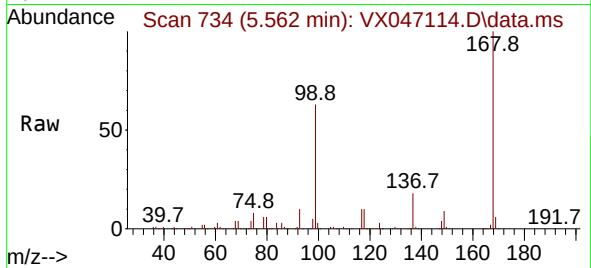




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

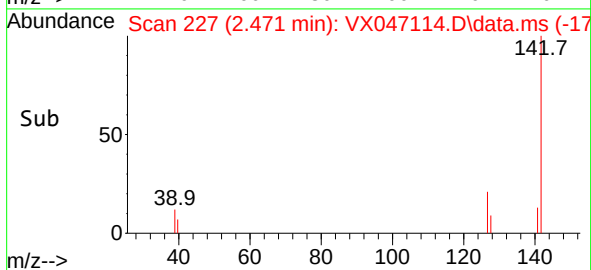
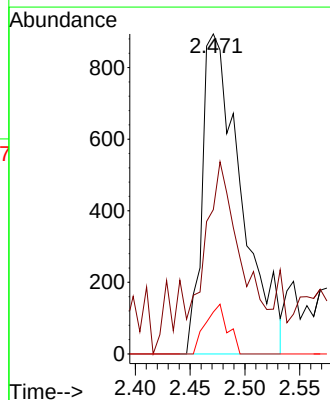
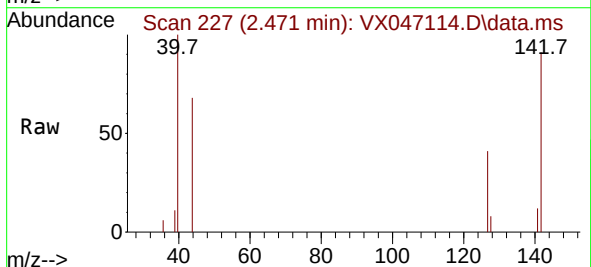
Instrument :
MSVOA_X
ClientSampleId :

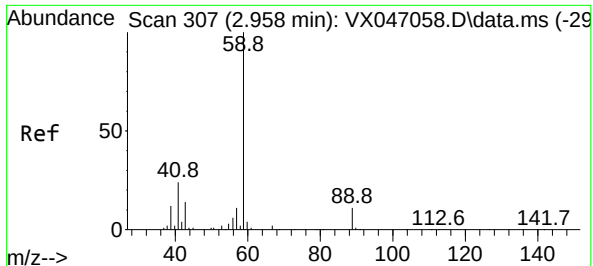
Tgt Ion:168 Resp: 452175
Ion Ratio Lower Upper
168 100
99 63.0 48.0 72.0



#10
Methyl Iodide
Concen: 0.378 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Tgt Ion:142 Resp: 2210
Ion Ratio Lower Upper
142 100
127 56.5 36.6 54.8#
141 8.9 10.9 16.3#





#11

Tert butyl alcohol

Concen: 4.289 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.001 min

Lab File: VX047114.D

Acq: 24 Jul 2025 13:06

Instrument :

MSVOA_X

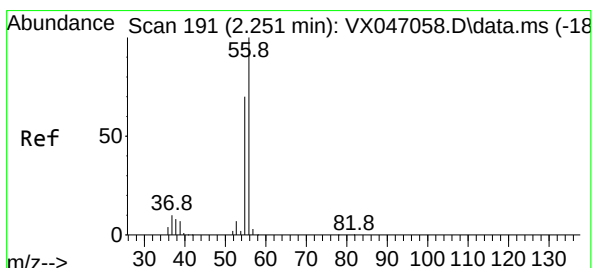
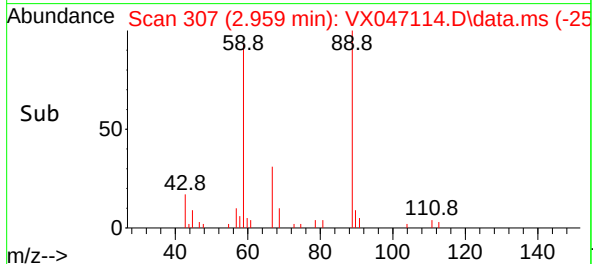
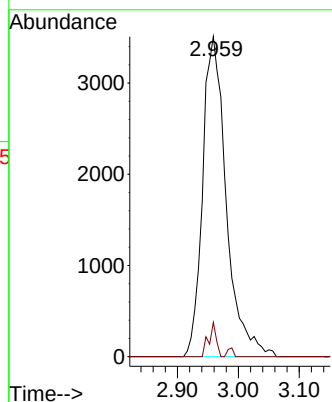
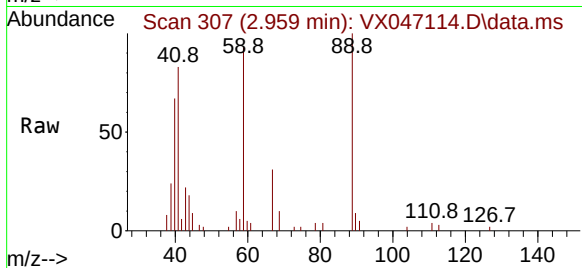
ClientSampleId :

Tgt Ion: 59 Resp: 9481

Ion Ratio Lower Upper

59 100

57 3.4 8.5 12.7#



#13

Acrolein

Concen: 0.715 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.000 min

Lab File: VX047114.D

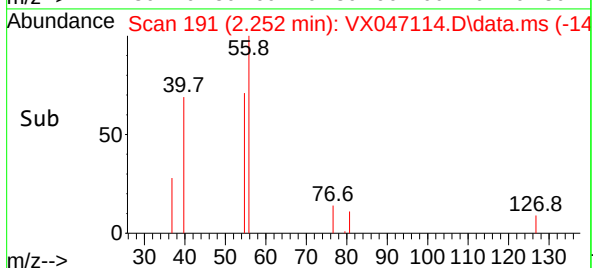
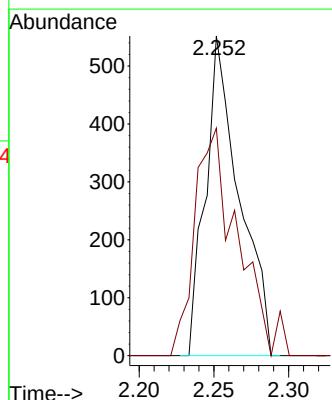
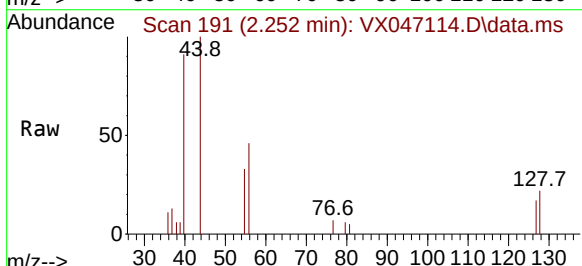
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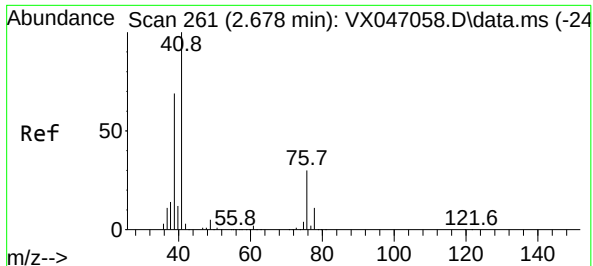
Tgt Ion: 56 Resp: 867

Ion Ratio Lower Upper

56 100

55 90.5 55.7 83.5#

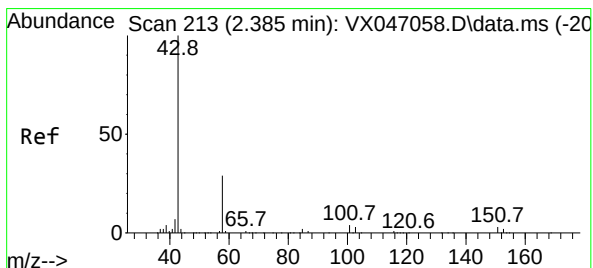
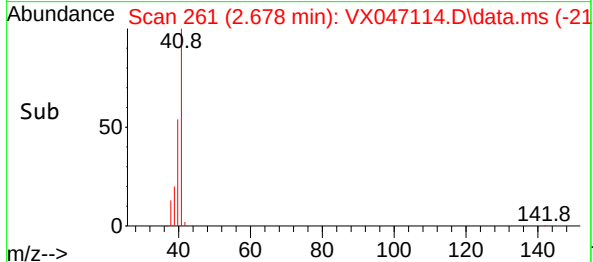
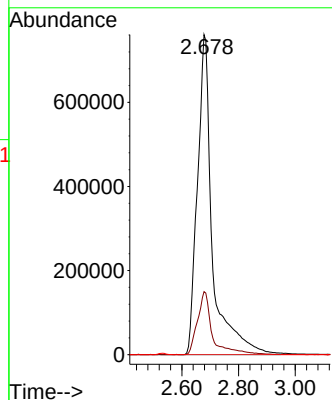
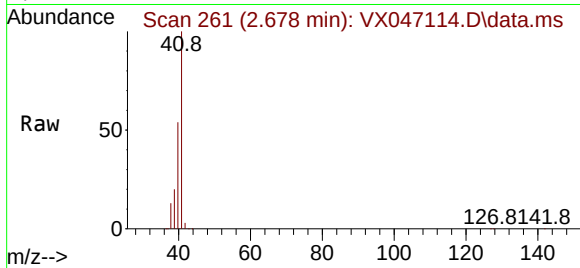




#14
 Allyl chloride
 Concen: 271.967 ug/l
 RT: 2.678 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX047114.D
 Acq: 24 Jul 2025 13:06

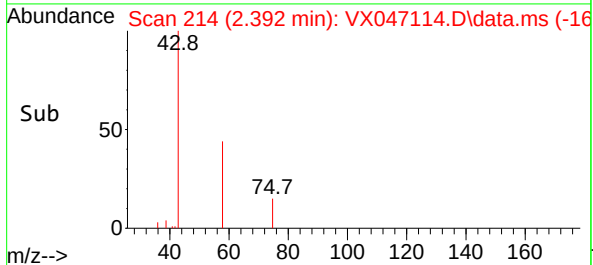
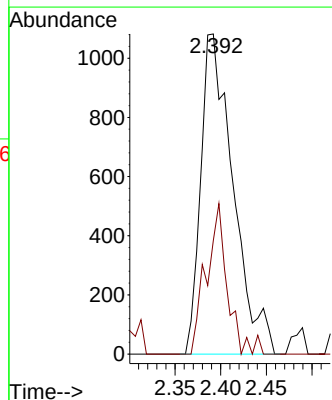
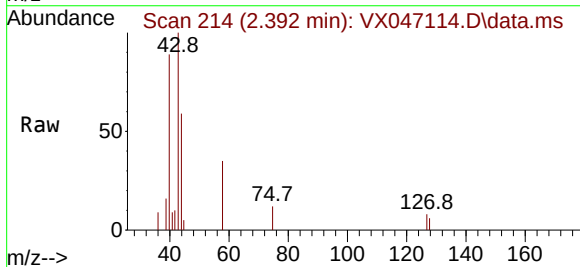
Instrument :
 MSVOA_X
 ClientSampleId :

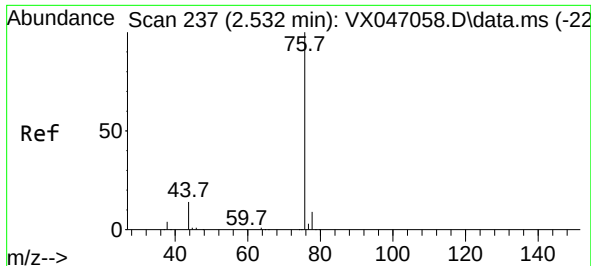
Tgt Ion: 41 Resp: 2793637
 Ion Ratio Lower Upper
 41 100
 39 19.7 52.6 78.8#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 1.180 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. 0.007 min
 Lab File: VX047114.D
 Acq: 24 Jul 2025 13:06

Tgt Ion: 43 Resp: 2662
 Ion Ratio Lower Upper
 43 100
 58 35.5 24.0 36.0





#17

Carbon Disulfide

Concen: 0.395 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047114.D

Acq: 24 Jul 2025 13:06

Instrument :

MSVOA_X

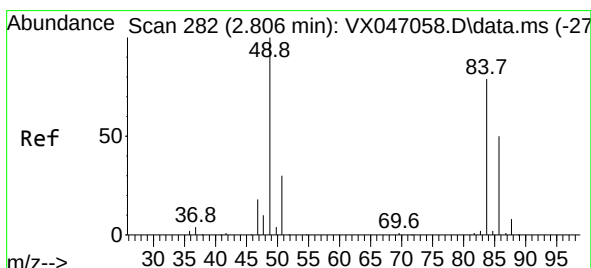
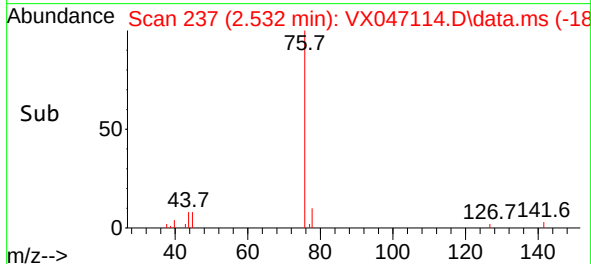
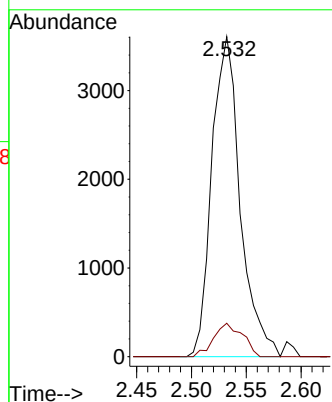
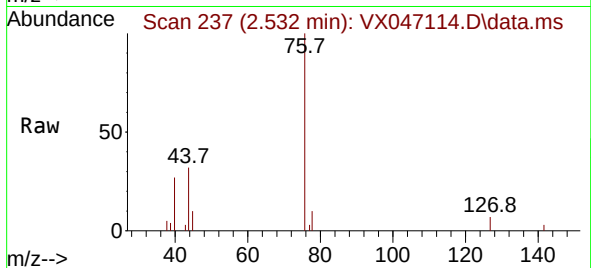
ClientSampleId :

Tgt Ion: 76 Resp: 6490

Ion Ratio Lower Upper

76 100

78 10.5 7.0 10.4#



#20

Methylene Chloride

Concen: 2.730 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX047114.D

Acq: 24 Jul 2025 13:06

Tgt Ion: 84 Resp: 16950

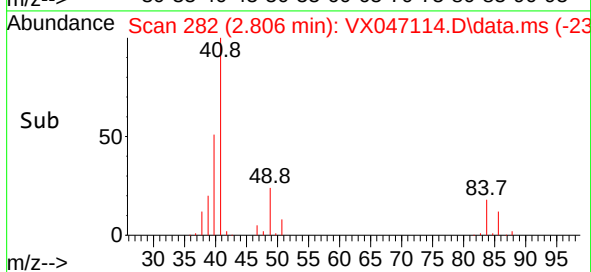
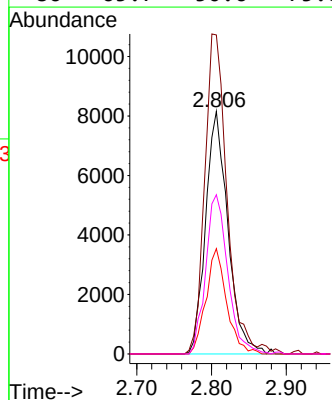
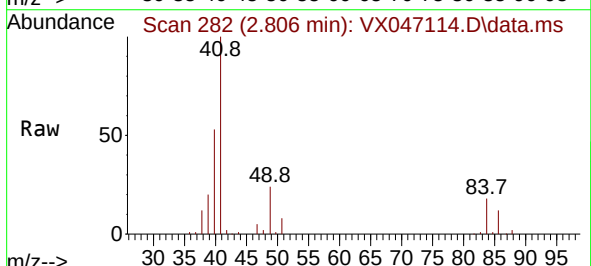
Ion Ratio Lower Upper

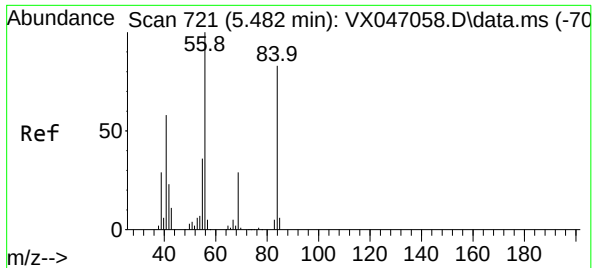
84 100

49 131.6 101.6 152.4

51 43.4 30.3 45.5

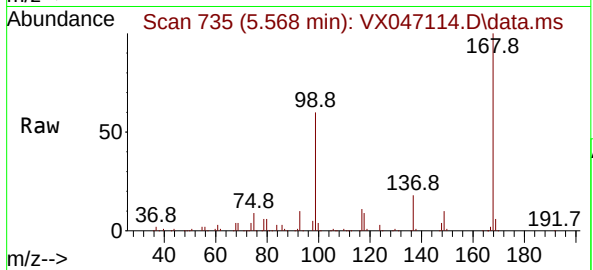
86 65.7 50.6 75.8



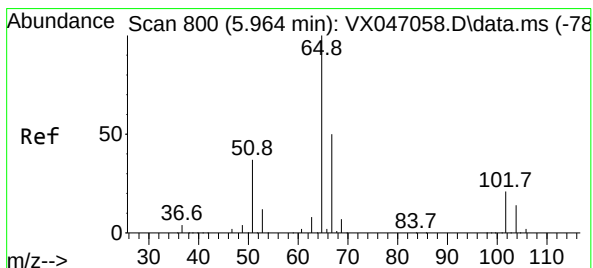
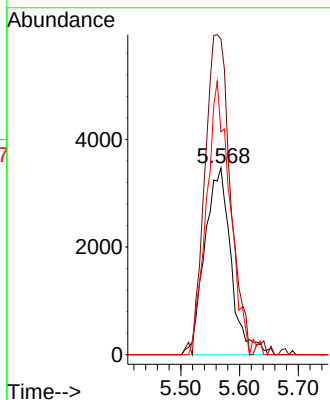
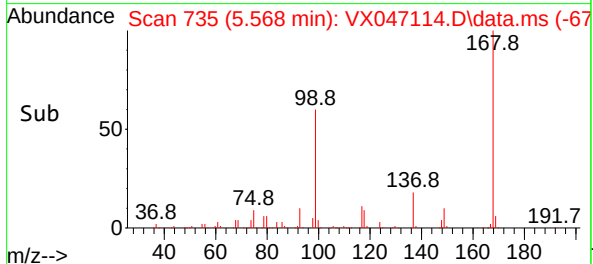


#31
Cyclohexane
Concen: 1.026 ug/l
RT: 5.568 min Scan# 714
Delta R.T. 0.086 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :

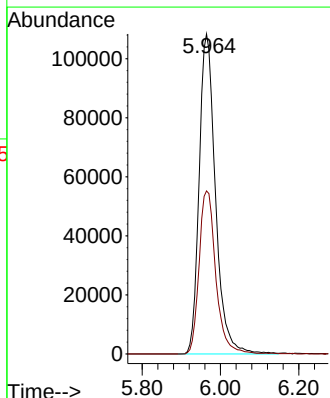
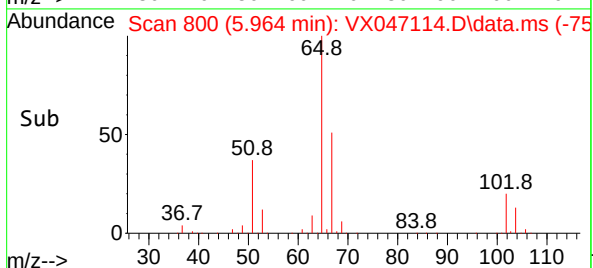
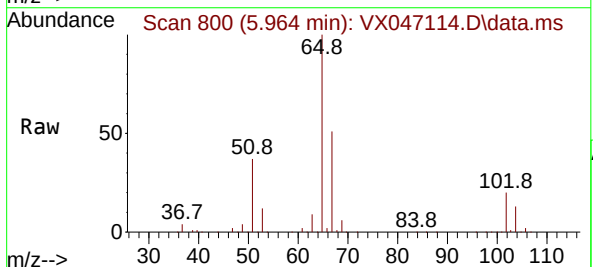


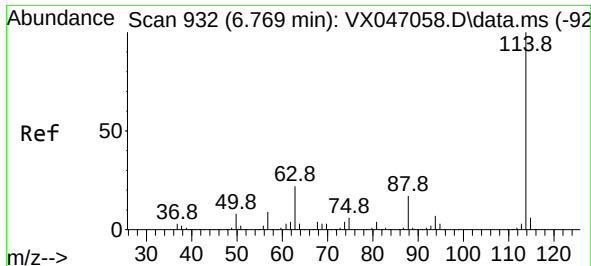
Tgt Ion: 56 Resp: 10805
Ion Ratio Lower Upper
56 100
69 169.0 23.3 34.9#
84 119.5 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 55.813 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Tgt Ion: 65 Resp: 314379
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8

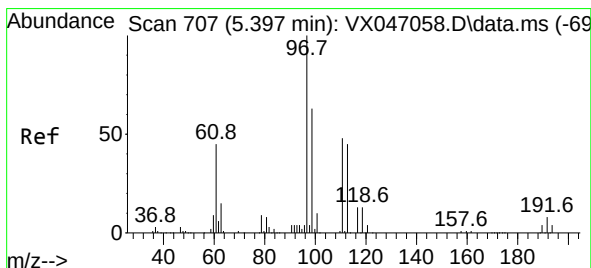
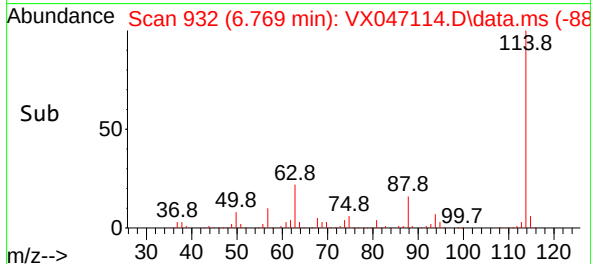
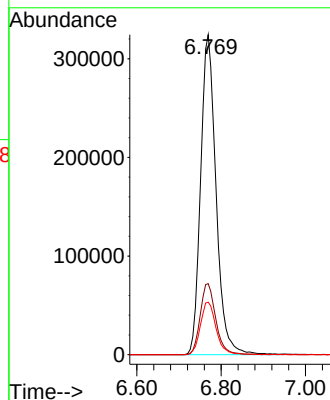
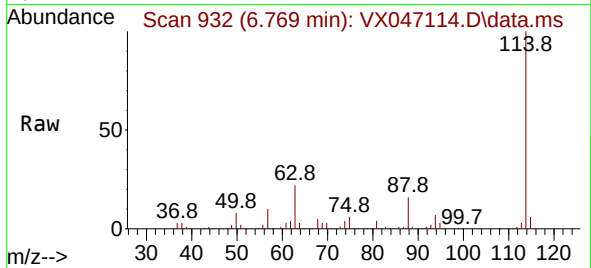




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

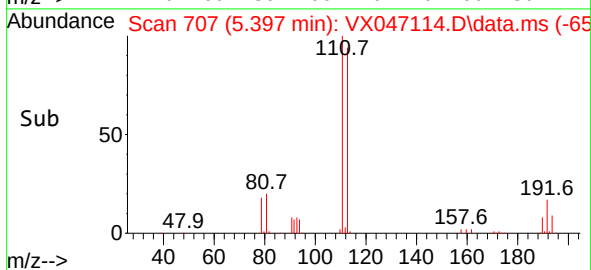
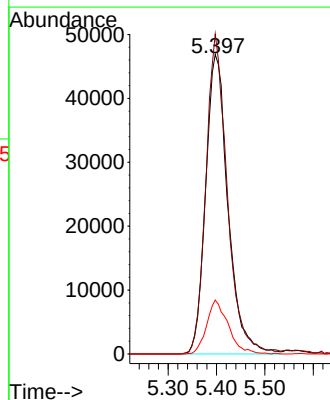
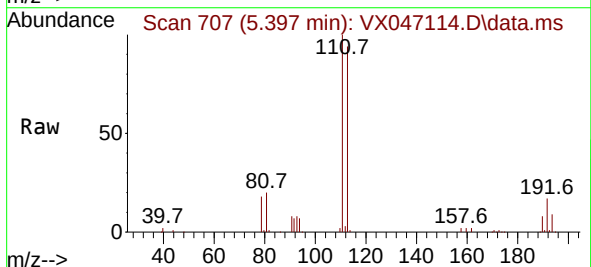
Instrument :
MSVOA_X
ClientSampleId :

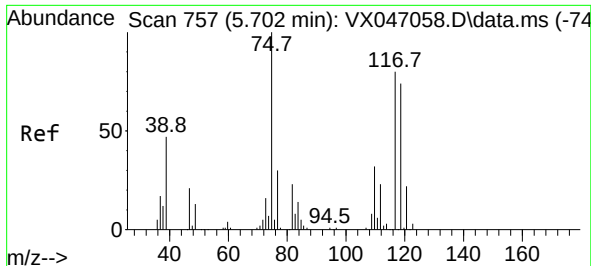
Tgt Ion:114 Resp: 826688
Ion Ratio Lower Upper
114 100
63 22.2 0.0 43.2
88 16.4 0.0 33.8



#35
Dibromofluoromethane
Concen: 29.501 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

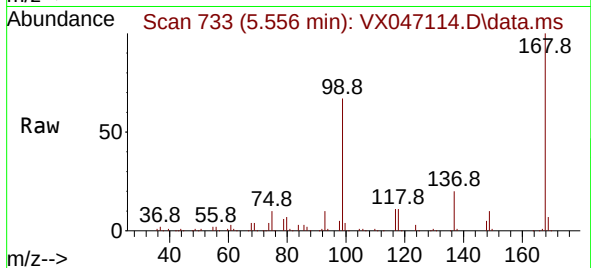
Tgt Ion:113 Resp: 150580
Ion Ratio Lower Upper
113 100
111 101.5 82.6 124.0
192 17.4 14.9 22.3



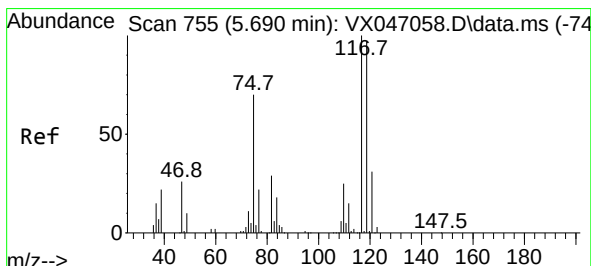
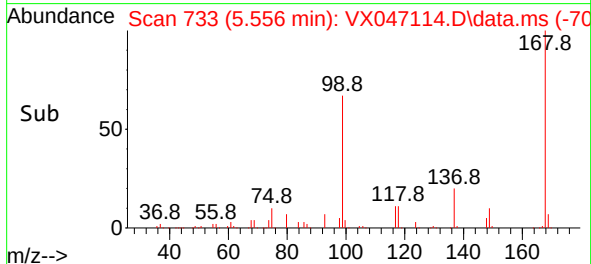
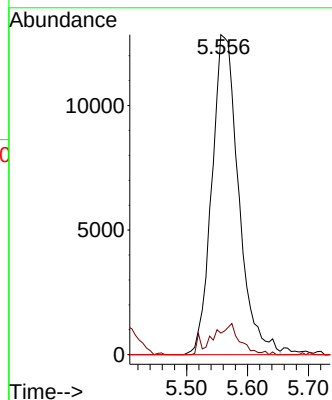


#36
1,1-Dichloropropene
Concen: 4.501 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :

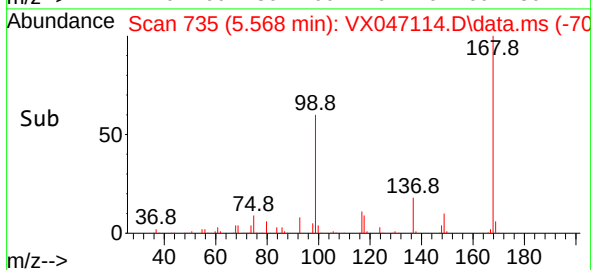
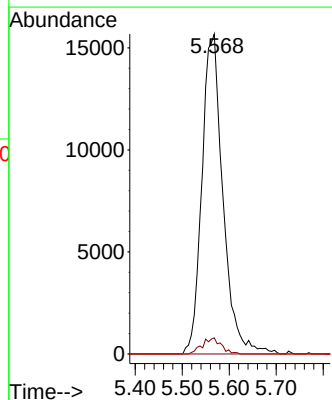
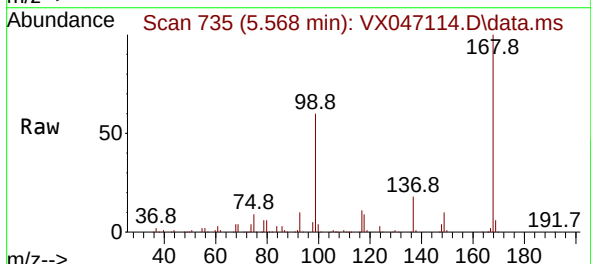


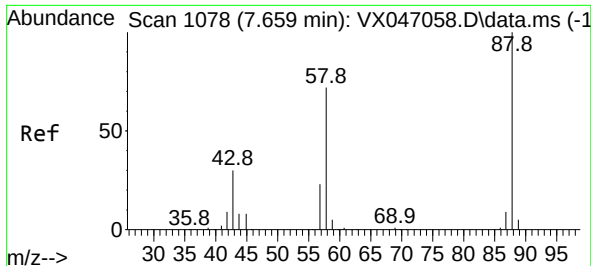
Tgt Ion: 75 Resp: 39161
Ion Ratio Lower Upper
75 100
110 8.8 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.251 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.121 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Tgt Ion: 117 Resp: 48767
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 1.834 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.037 min

Lab File: VX047114.D

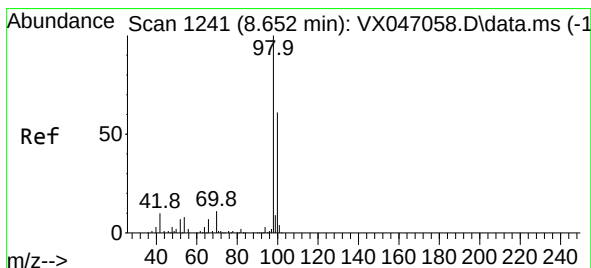
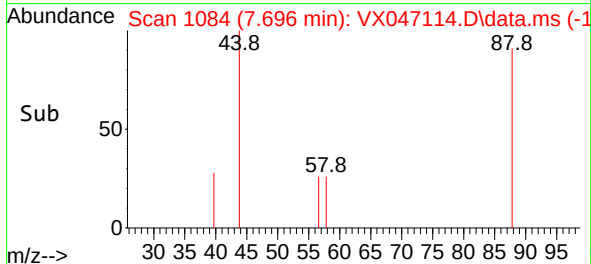
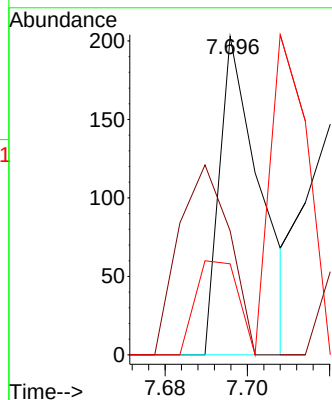
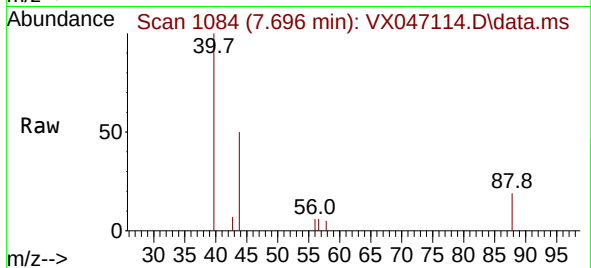
Acq: 24 Jul 2025 13:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	142
Ion	Ratio	Lower	Upper
88	100		
43	73.2	33.6	50.4#
58	121.1	58.8	88.2#



#50

Toluene-d8

Concen: 56.144 ug/l

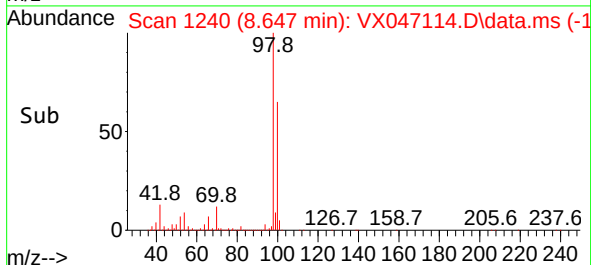
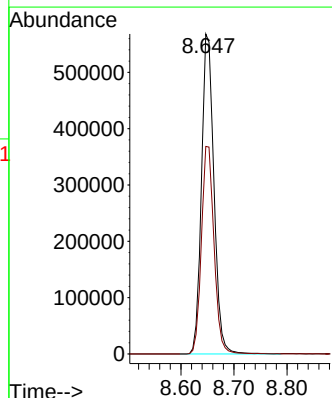
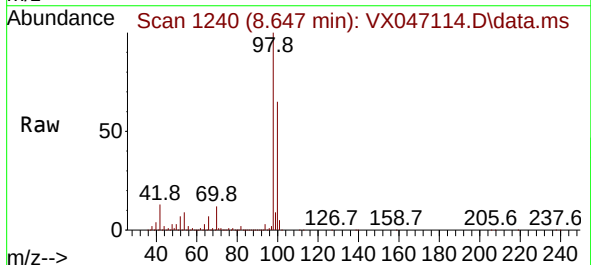
RT: 8.647 min Scan# 1240

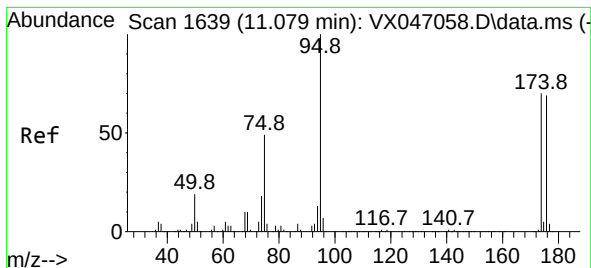
Delta R.T. -0.006 min

Lab File: VX047114.D

Acq: 24 Jul 2025 13:06

Tgt Ion:	98	Resp:	928052
Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.3	79.9

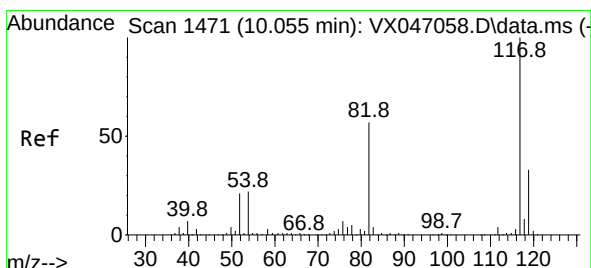
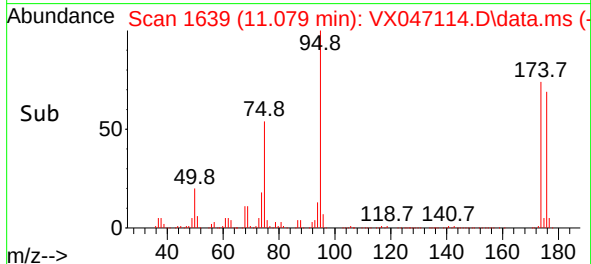
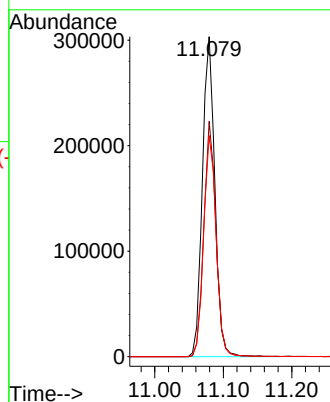
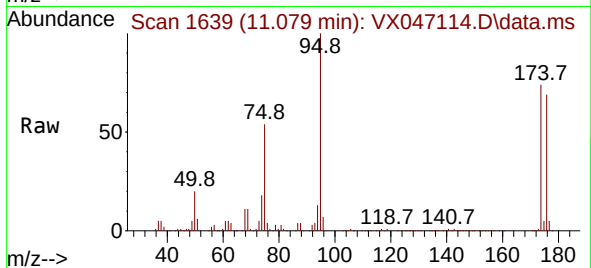




#62
4-Bromofluorobenzene
Concen: 53.733 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

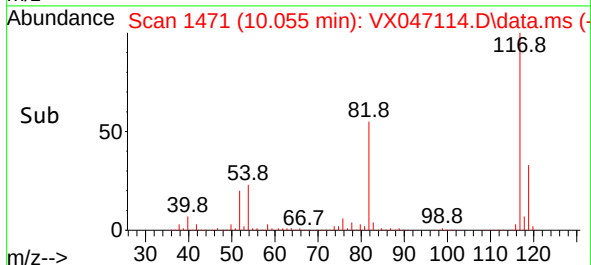
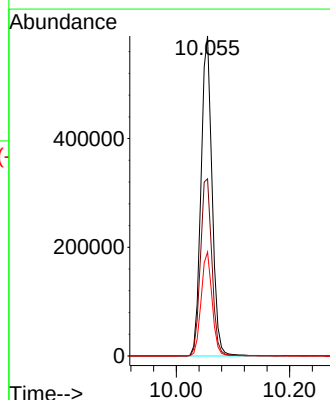
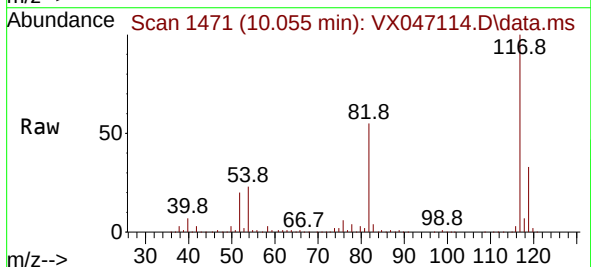
Instrument :
MSVOA_X
ClientSampleId :

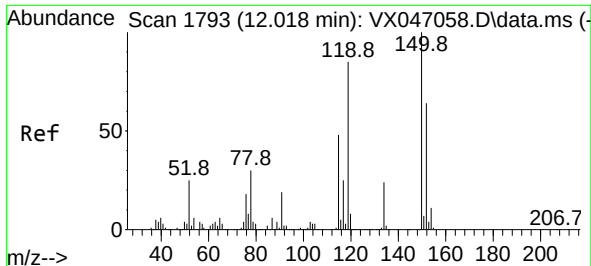
Tgt Ion: 95 Resp: 382770
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.6
176 69.7 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Tgt Ion: 117 Resp: 795791
Ion Ratio Lower Upper
117 100
82 55.3 45.4 68.2
119 32.5 26.1 39.1

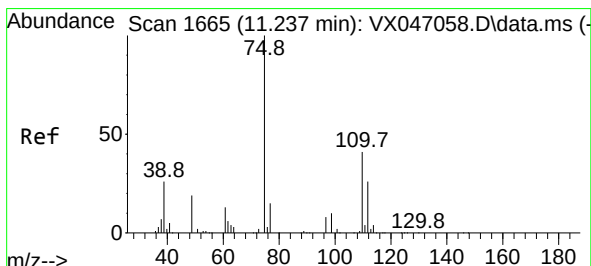
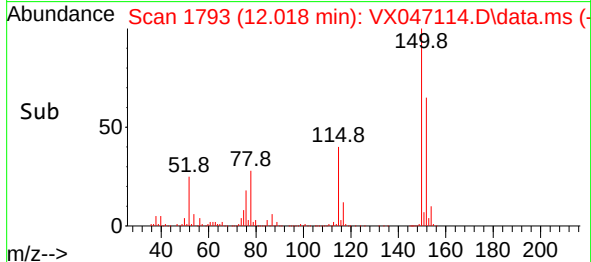
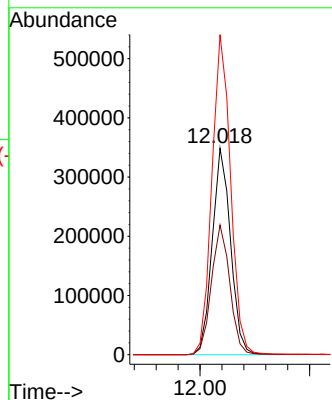
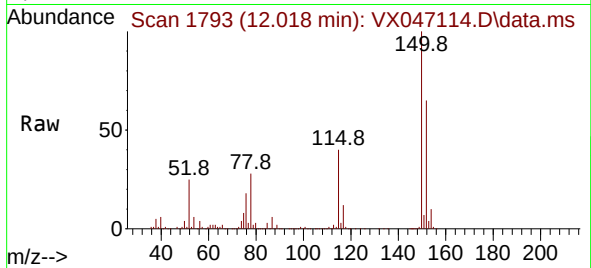




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047114.D
 Acq: 24 Jul 2025 13:06

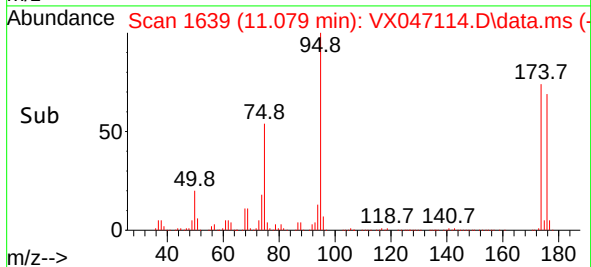
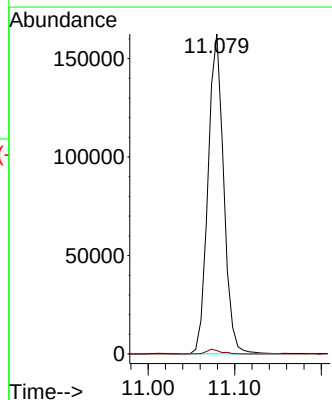
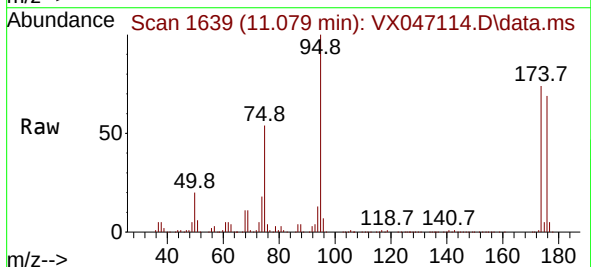
Instrument :
 MSVOA_X
 ClientSampleId :

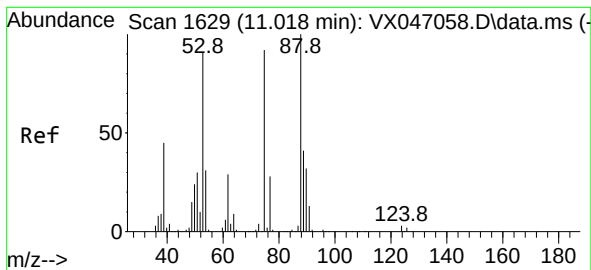
Tgt Ion:152 Resp: 405857
 Ion Ratio Lower Upper
 152 100
 115 63.1 45.6 136.7
 150 158.2 0.0 354.6



#76
 1,2,3-Trichloropropane
 Concen: 27.111 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047114.D
 Acq: 24 Jul 2025 13:06

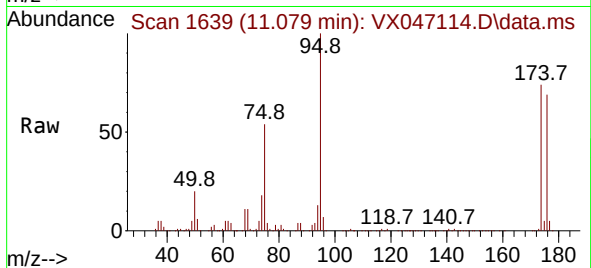
Tgt Ion: 75 Resp: 203662
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.6 65.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.848 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047114.D
 Acq: 24 Jul 2025 13:06

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 203662
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.2 126.4#
 89 0.1 36.0 54.0#

