

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047123.D
 Acq On : 24 Jul 2025 16:15
 Operator : JC/MD
 Sample : Q2481-17 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 01:25:50 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

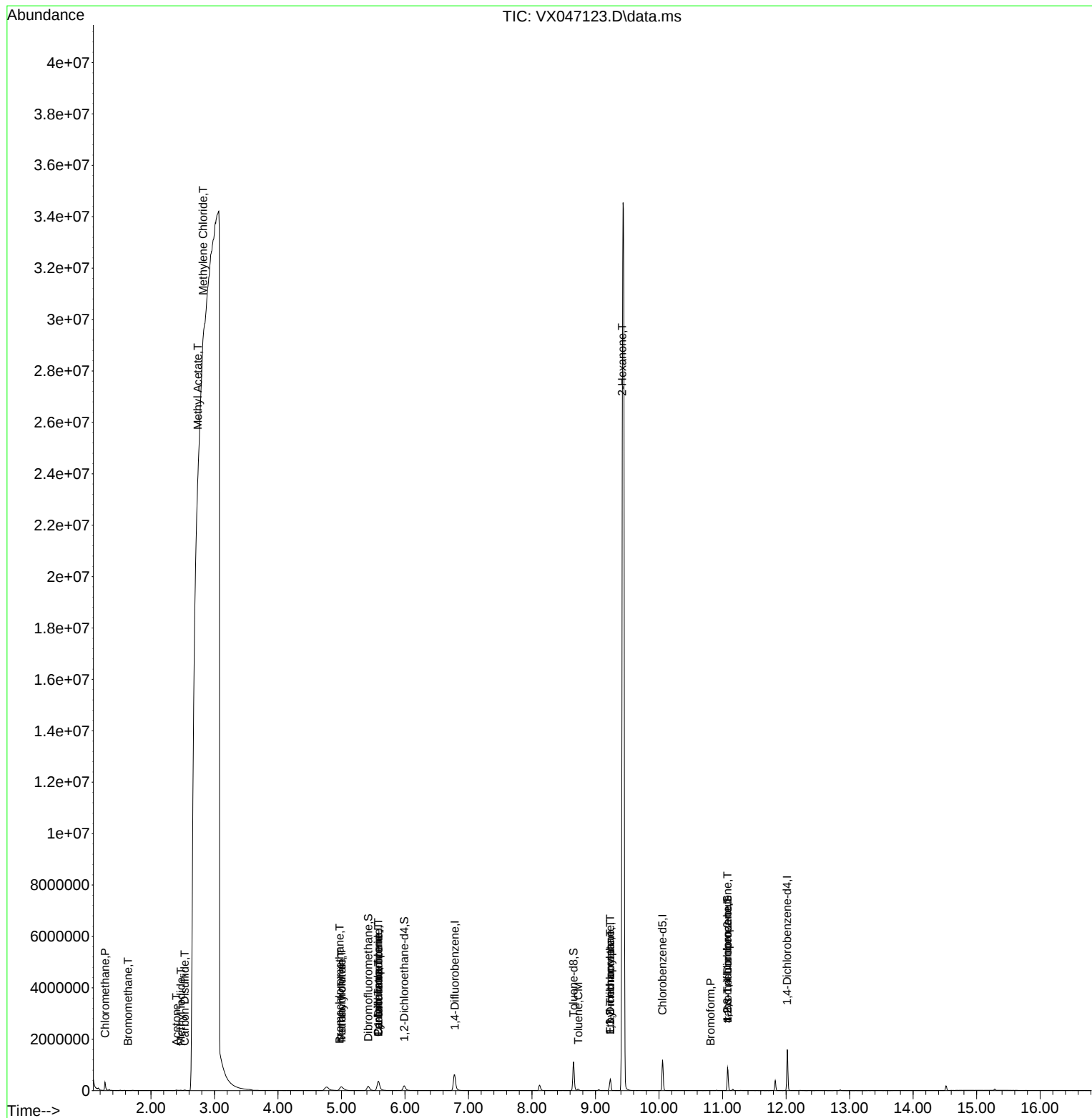
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.580	168	354820	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	6.781	114	677494	50.000	ug/l	0.01
63) Chlorobenzene-d5	10.055	117	521532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	319546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.988	65	197936	44.783	ug/l	0.02
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.560%
35) Dibromofluoromethane	5.421	113	157137	37.565	ug/l	0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	75.140%
50) Toluene-d8	8.652	98	660641	48.767	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.540%
62) 4-Bromofluorobenzene	11.079	95	237060	40.607	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.220%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.276	50	5734	1.230	ug/l #	67
5) Bromomethane	1.635	94	753	0.277	ug/l	93
10) Methyl Iodide	2.471	142	10262	2.237	ug/l	94
11) Tert butyl alcohol	2.958	59	112	Below Cal	#	72
16) Acetone	2.397	43	50396	28.462	ug/l	93
17) Carbon Disulfide	2.532	76	34985	2.712	ug/l	100
18) Methyl Acetate	2.739	43	21448	4.558	ug/l #	54
20) Methylene Chloride	2.818	84	442818	90.905	ug/l	88
28) Bromochloromethane	4.970	49	1339	0.338	ug/l #	97
29) Tetrahydrofuran	5.001	42	5230	3.144	ug/l #	35
31) Cyclohexane	5.580	56	7925	0.959	ug/l #	1
36) 1,1-Dichloropropene	5.580	75	29718	4.168	ug/l #	50
38) Carbon Tetrachloride	5.580	117	38312	5.034	ug/l #	15
41) Methacrylonitrile	5.001	41	157014	45.705	ug/l	97
52) Toluene	8.726	92	23199	1.828	ug/l	96
55) 1,1,2-Trichloroethane	9.232	97	12828	2.696	ug/l #	17
56) Ethyl methacrylate	9.232	69	135742	19.269	ug/l #	24
57) 1,3-Dichloropropane	9.232	76	2459	0.297	ug/l #	1
59) 2-Hexanone	9.421	43	67749	16.843	ug/l #	25
71) Bromoform	10.811	173	825	0.264	ug/l #	96
76) 1,2,3-Trichloropropane	11.079	75	124473	21.045	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	124473	54.220	ug/l #	8

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

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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

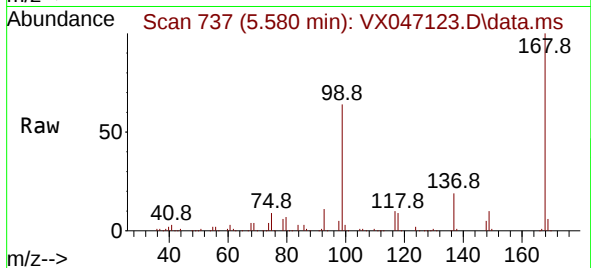
Quant Time: Jul 25 01:25:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



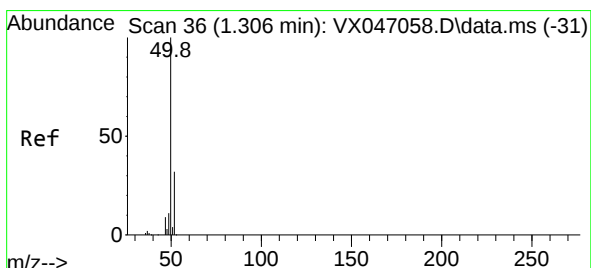
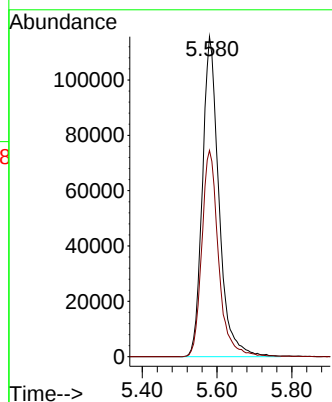
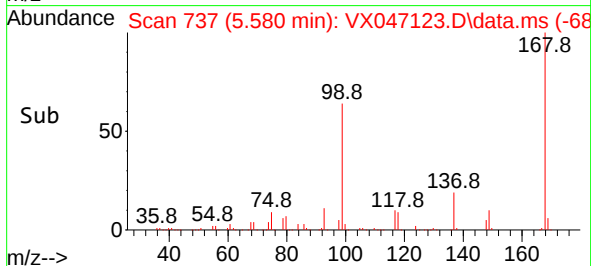


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.580 min Scan# 71
Delta R.T. 0.018 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :

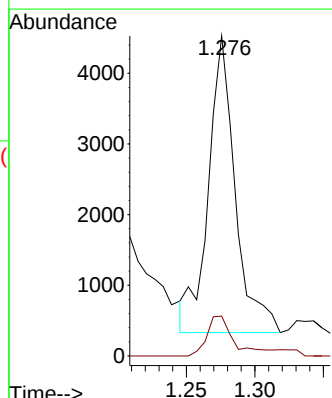
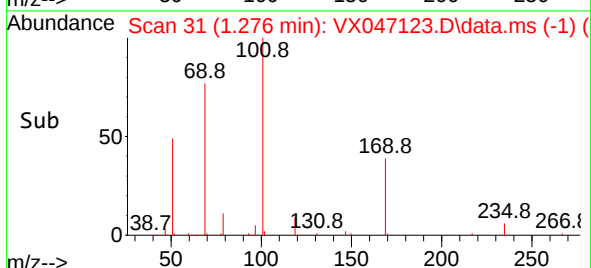
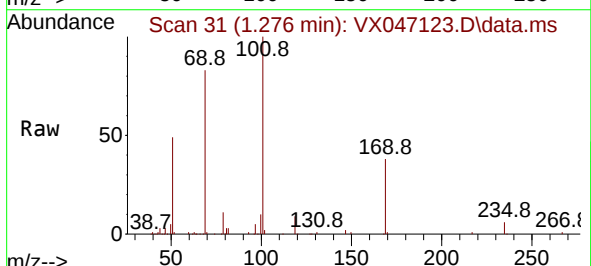


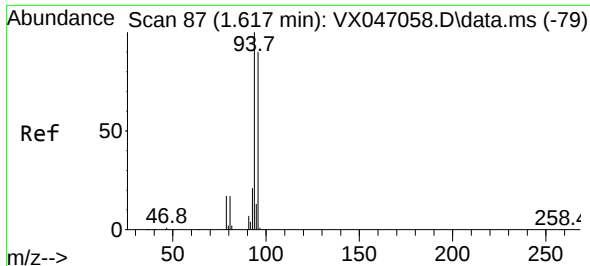
Tgt Ion:168 Resp: 354820
Ion Ratio Lower Upper
168 100
99 64.4 48.0 72.0



#3
Chloromethane
Concen: 1.230 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.031 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

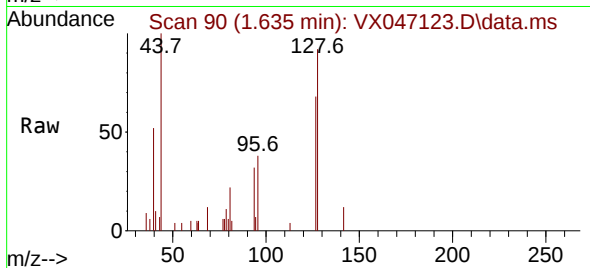
Tgt Ion: 50 Resp: 5734
Ion Ratio Lower Upper
50 100
52 13.4 25.4 38.2#



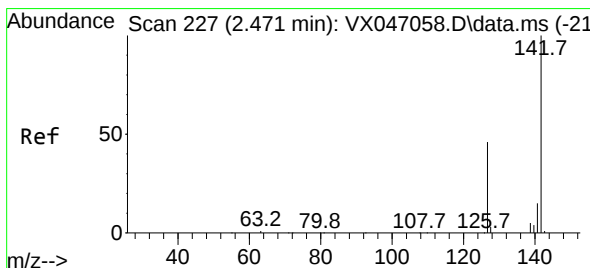
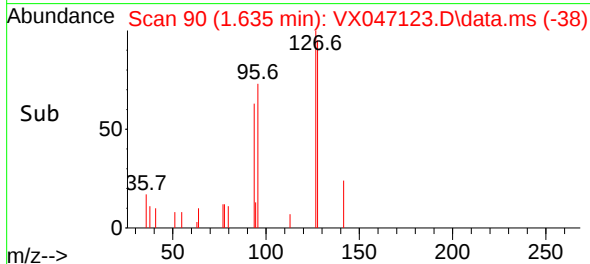
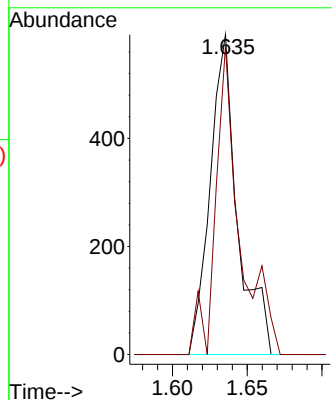


#5
Bromomethane
Concen: 0.277 ug/l
RT: 1.635 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :

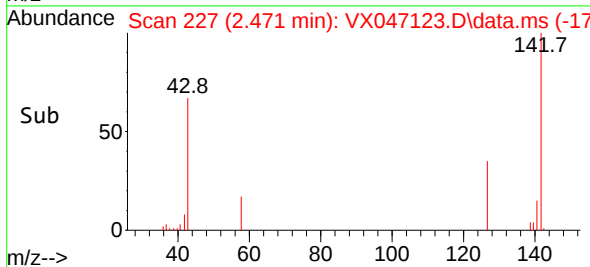
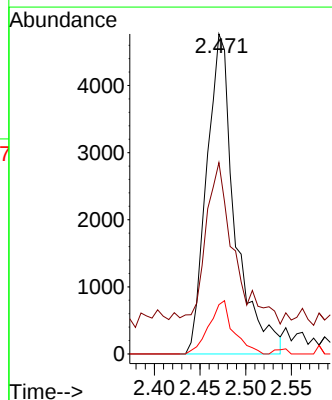
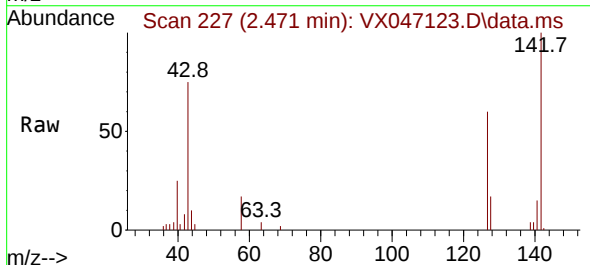


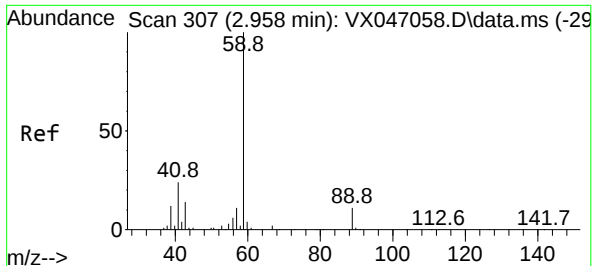
Tgt Ion: 94 Resp: 753
Ion Ratio Lower Upper
94 100
96 96.6 72.3 108.5



#10
Methyl Iodide
Concen: 2.237 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

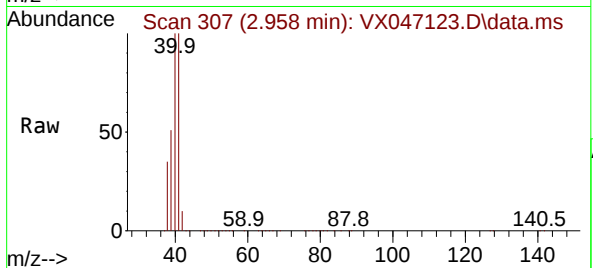
Tgt Ion: 142 Resp: 10262
Ion Ratio Lower Upper
142 100
127 50.1 36.6 54.8
141 14.3 10.9 16.3



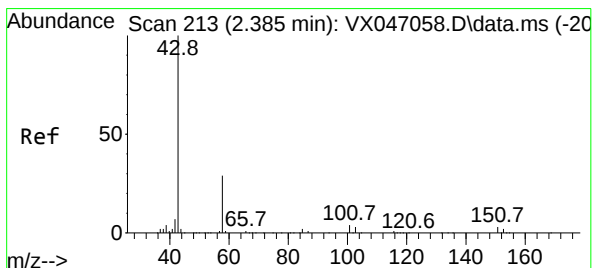
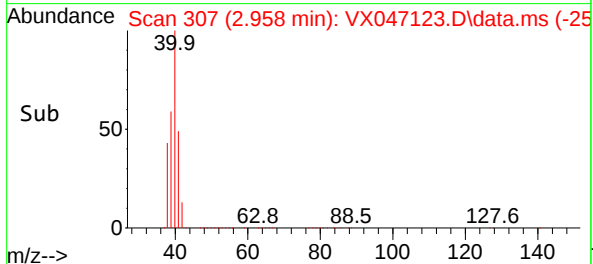
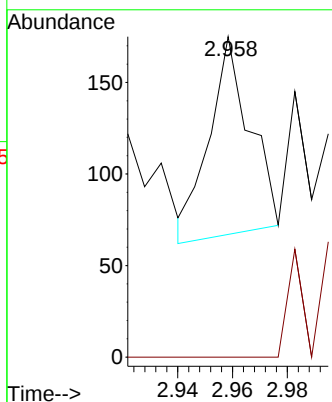


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.958 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :

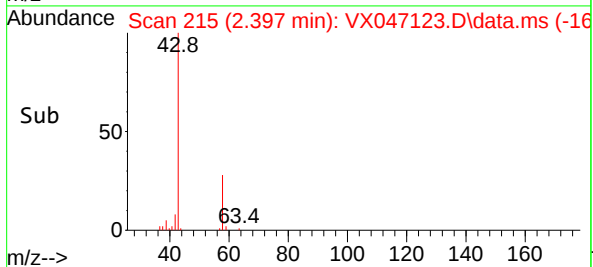
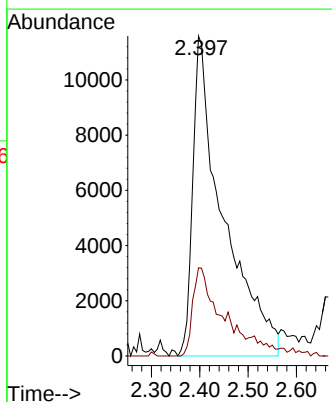
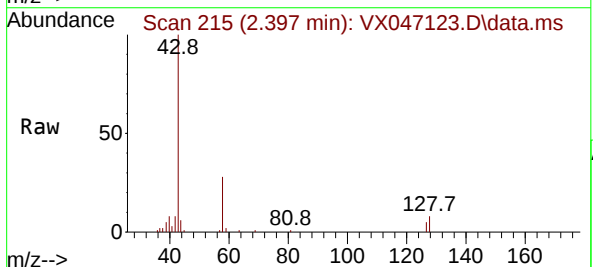


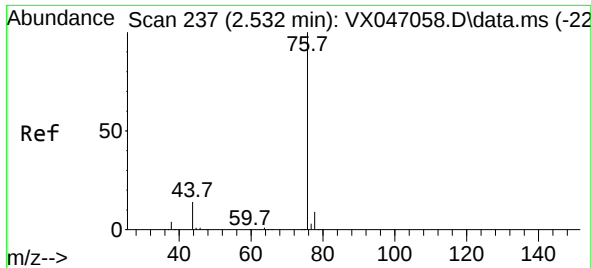
Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 28.462 ug/l
RT: 2.397 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion: 43 Resp: 50396
Ion Ratio Lower Upper
43 100
58 26.0 24.0 36.0

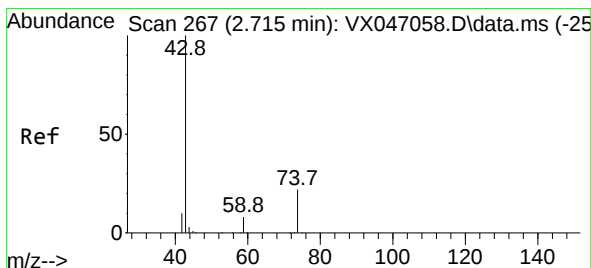
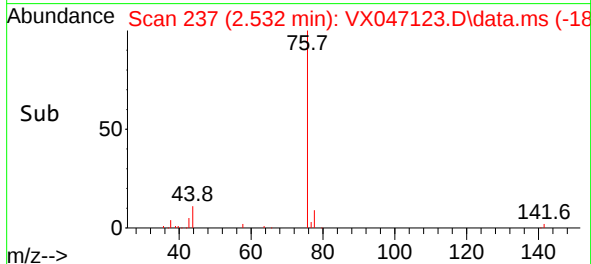
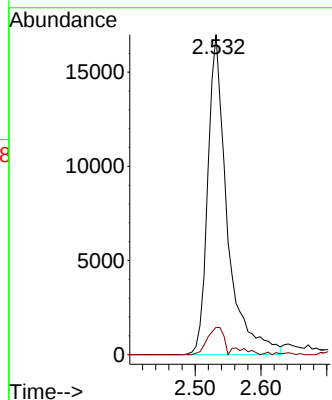
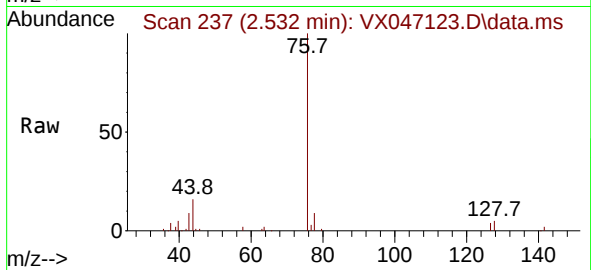




#17
Carbon Disulfide
Concen: 2.712 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

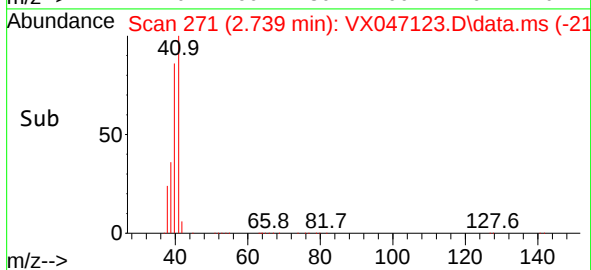
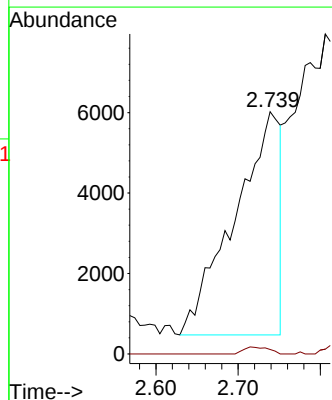
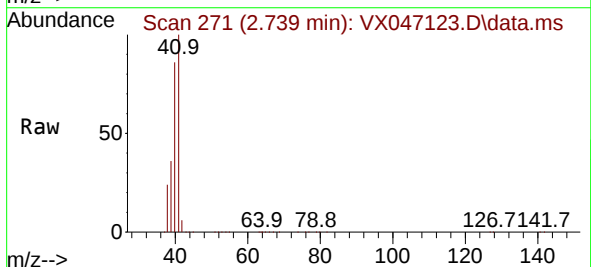
Instrument :
MSVOA_X
ClientSampleId :

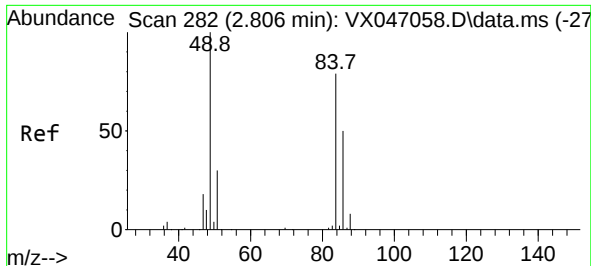
Tgt Ion: 76 Resp: 34985
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4



#18
Methyl Acetate
Concen: 4.558 ug/l
RT: 2.739 min Scan# 271
Delta R.T. 0.024 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

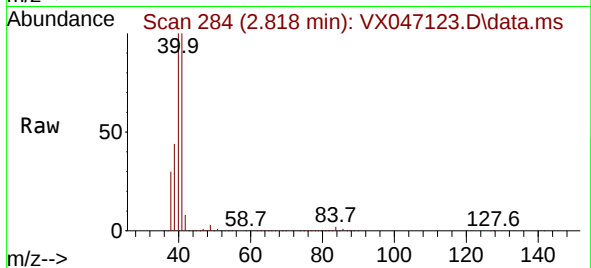
Tgt Ion: 43 Resp: 21448
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#





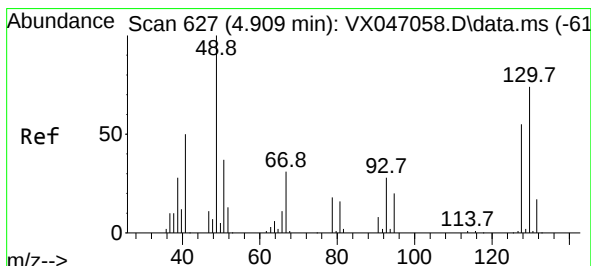
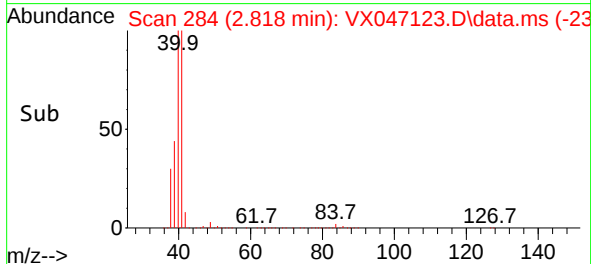
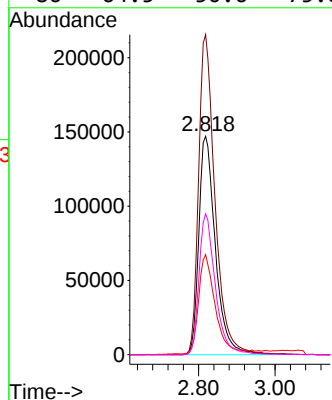
#20
Methylene Chloride
Concen: 90.905 ug/l
RT: 2.818 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 442818

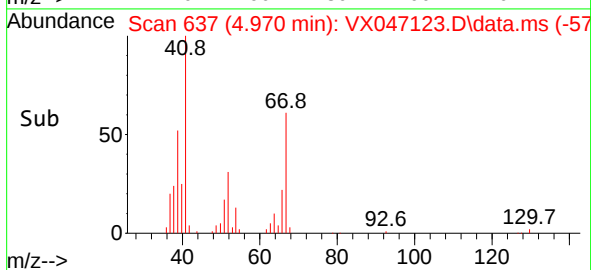
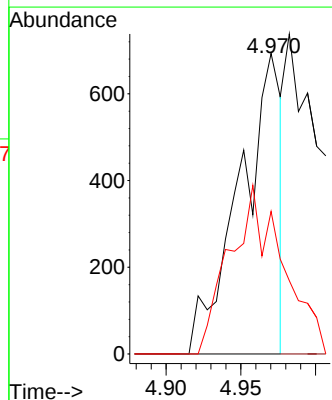
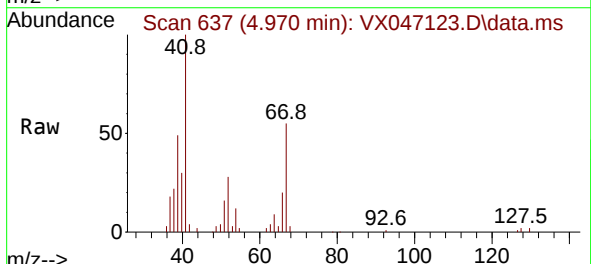
Ion	Ratio	Lower	Upper
84	100		
49	146.5	101.6	152.4
51	45.4	30.3	45.5
86	64.5	50.6	75.8

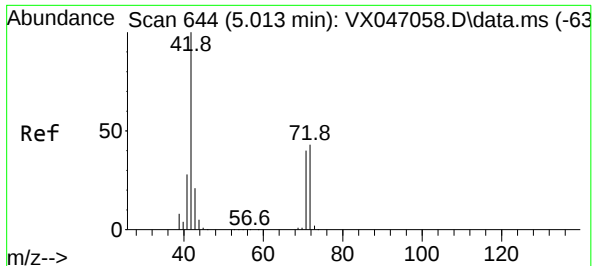


#28
Bromochloromethane
Concen: 0.338 ug/l
RT: 4.970 min Scan# 637
Delta R.T. 0.061 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion: 49 Resp: 1339

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	71.4	59.0	88.4





#29

Tetrahydrofuran

Concen: 3.144 ug/l

RT: 5.001 min Scan# 644

Delta R.T. -0.012 min

Lab File: VX047123.D

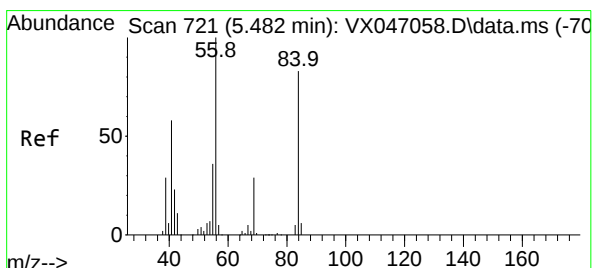
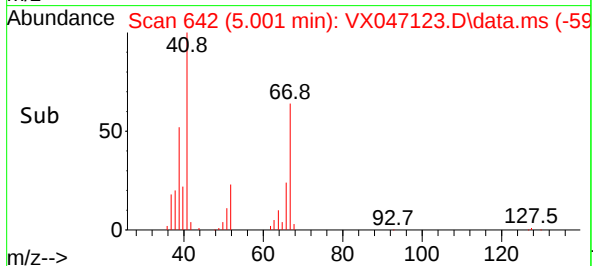
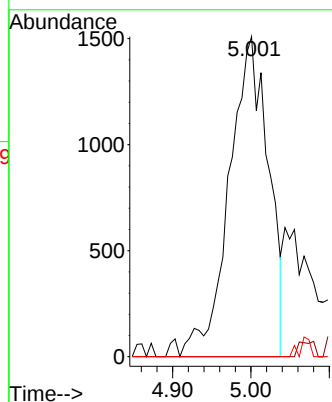
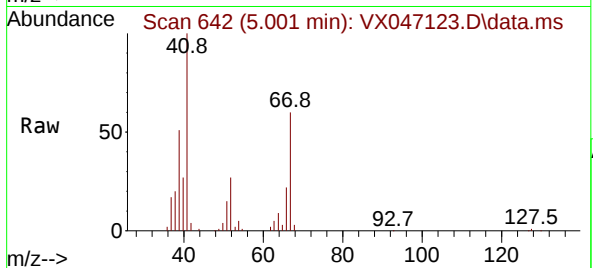
Acq: 24 Jul 2025 16:15

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	5230
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	31.0	46.4#



#31

Cyclohexane

Concen: 0.959 ug/l

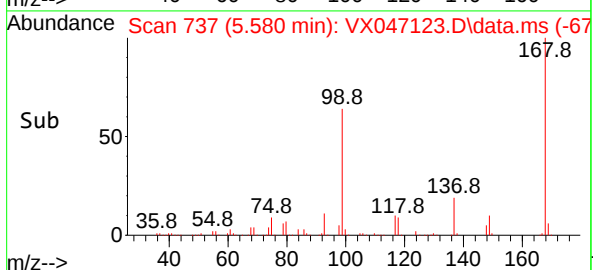
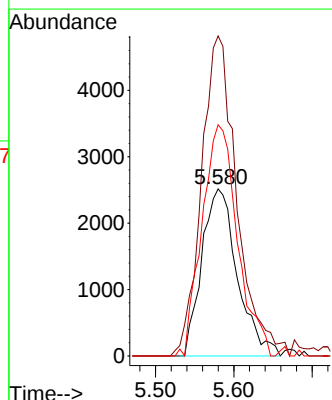
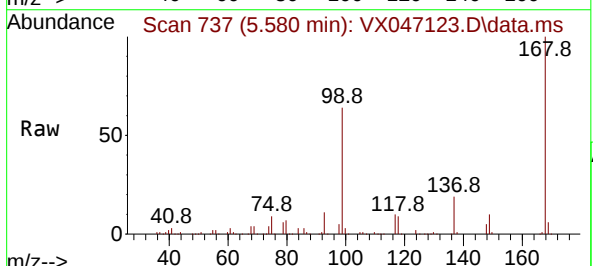
RT: 5.580 min Scan# 737

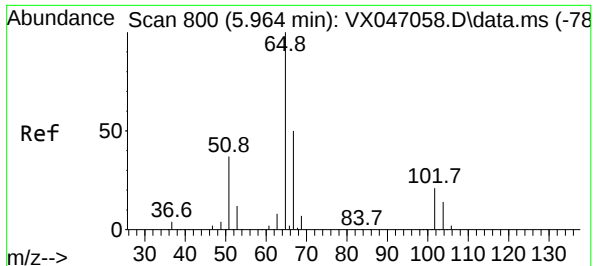
Delta R.T. 0.097 min

Lab File: VX047123.D

Acq: 24 Jul 2025 16:15

Tgt Ion:	56	Resp:	7925
Ion	Ratio	Lower	Upper
56	100		
69	179.6	23.3	34.9#
84	131.2	66.5	99.7#





#33

1,2-Dichloroethane-d4

Concen: 44.783 ug/l

RT: 5.988 min Scan# 80

Delta R.T. 0.024 min

Lab File: VX047123.D

Acq: 24 Jul 2025 16:15

Instrument :

MSVOA_X

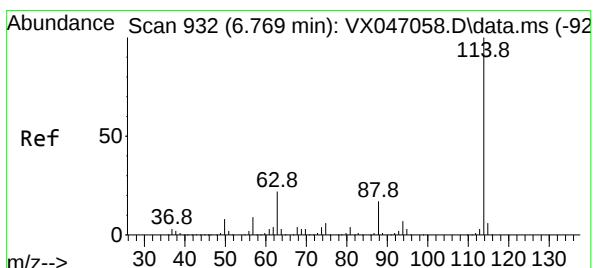
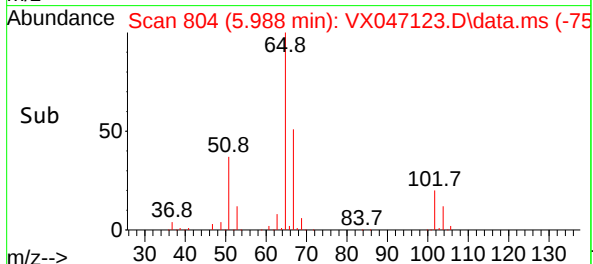
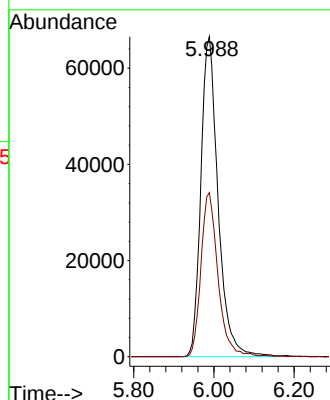
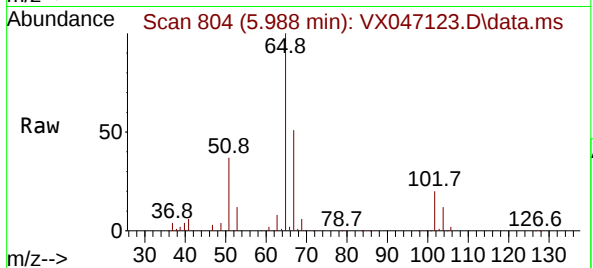
ClientSampleId :

Tgt Ion: 65 Resp: 197936

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.781 min Scan# 934

Delta R.T. 0.012 min

Lab File: VX047123.D

Acq: 24 Jul 2025 16:15

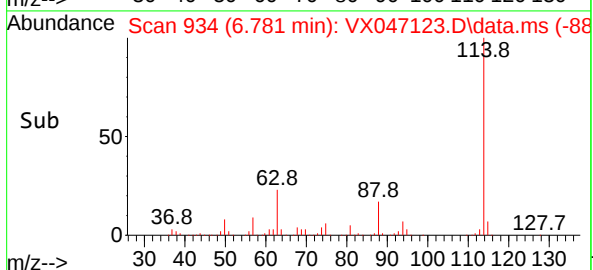
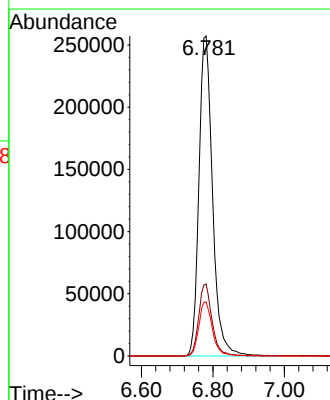
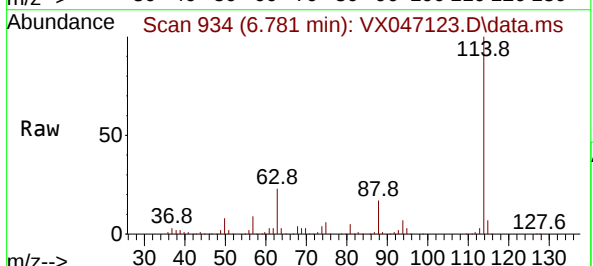
Tgt Ion: 114 Resp: 677494

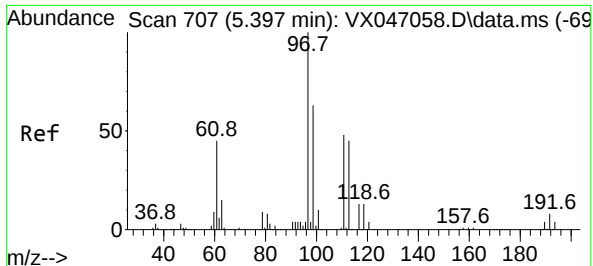
Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.2

88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 37.565 ug/l

RT: 5.421 min Scan# 711

Delta R.T. 0.024 min

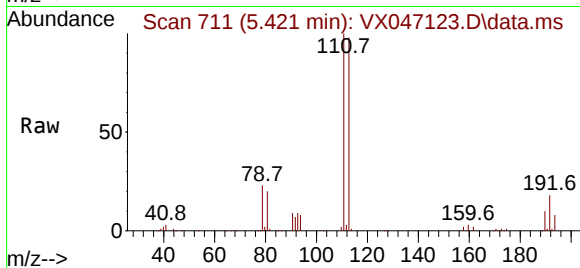
Lab File: VX047123.D

Acq: 24 Jul 2025 16:15

Instrument :

MSVOA_X

ClientSampleId :



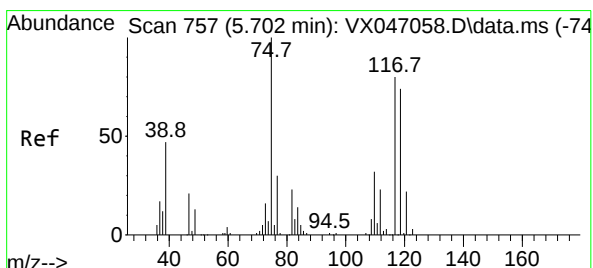
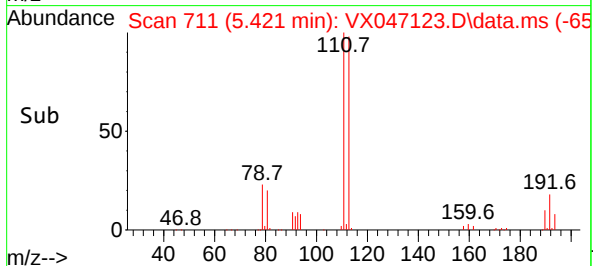
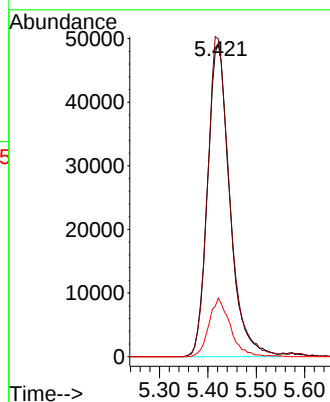
Tgt Ion:113 Resp: 157137

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 17.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.168 ug/l

RT: 5.580 min Scan# 737

Delta R.T. -0.122 min

Lab File: VX047123.D

Acq: 24 Jul 2025 16:15

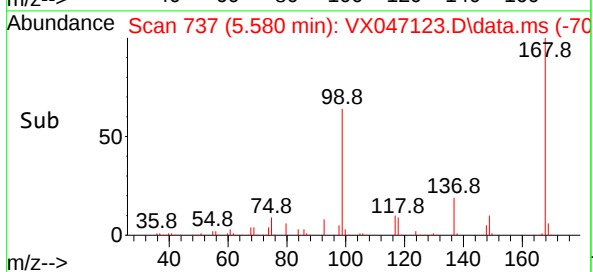
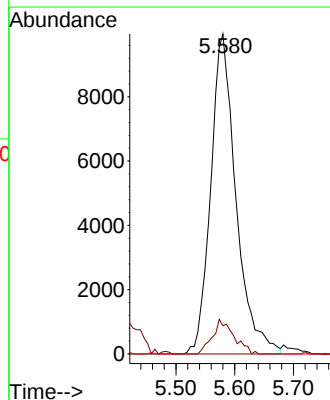
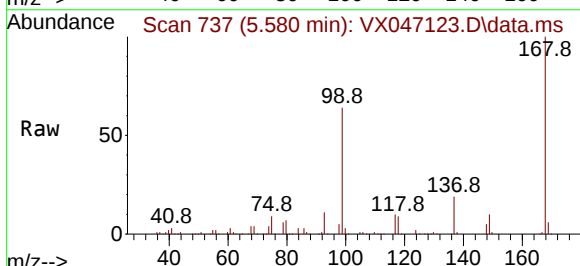
Tgt Ion: 75 Resp: 29718

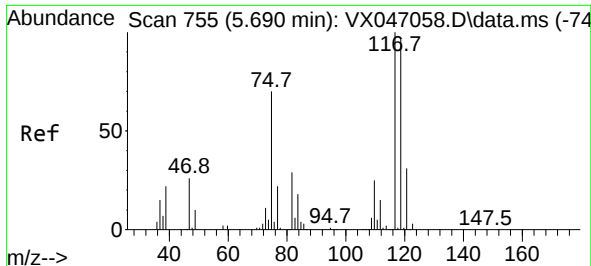
Ion Ratio Lower Upper

75 100

110 9.1 17.2 51.5#

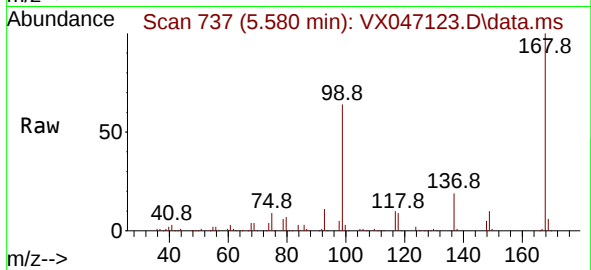
77 0.0 25.1 37.7#



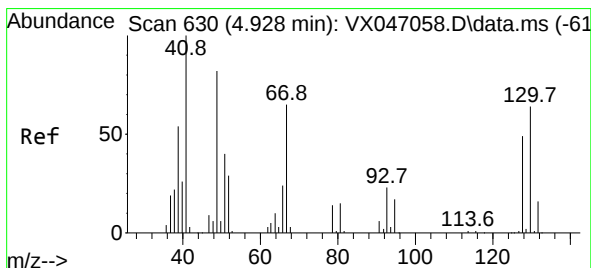
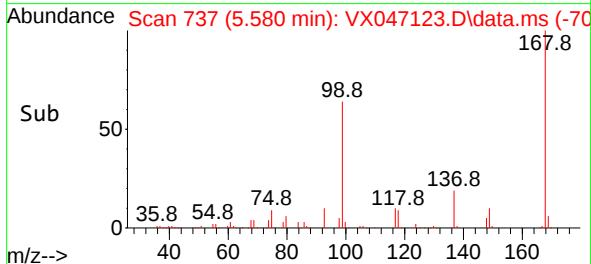
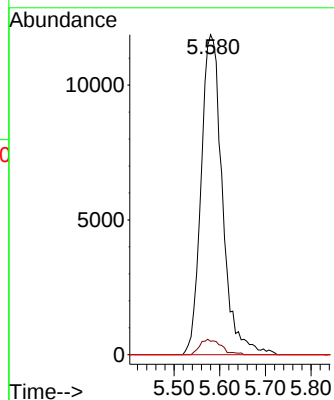


#38
Carbon Tetrachloride
Concen: 5.034 ug/l
RT: 5.580 min Scan# 711
Delta R.T. -0.110 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :

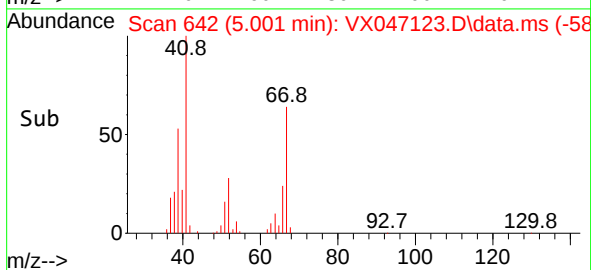
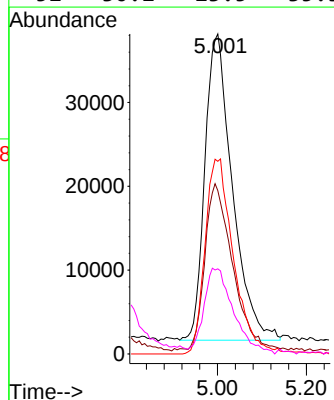
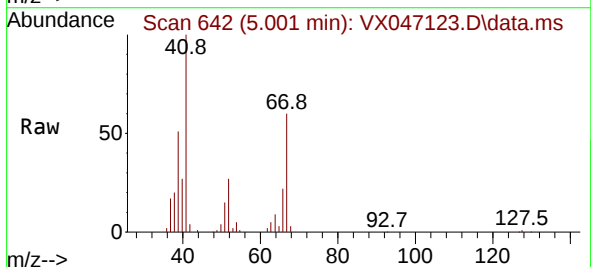


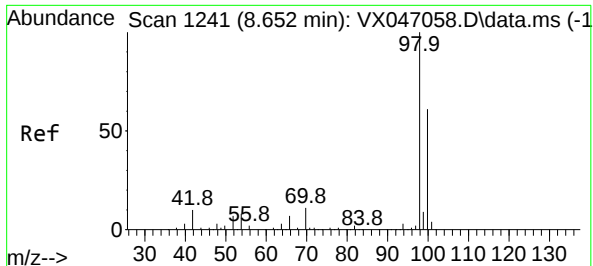
Tgt Ion:117 Resp: 38312
Ion Ratio Lower Upper
117 100
119 4.2 76.6 115.0#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 45.705 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.073 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion: 41 Resp: 157014
Ion Ratio Lower Upper
41 100
39 55.7 44.2 66.2
67 65.7 56.4 84.6
52 30.2 23.5 35.3





#50

Toluene-d8

Concen: 48.767 ug/l

RT: 8.652 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047123.D

Acq: 24 Jul 2025 16:15

Instrument :

MSVOA_X

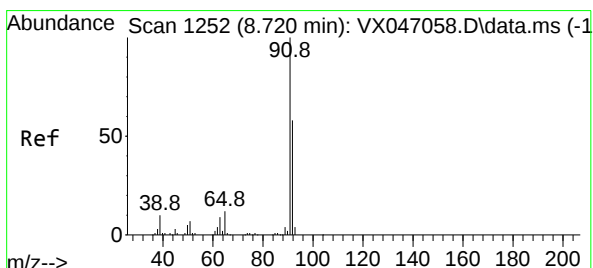
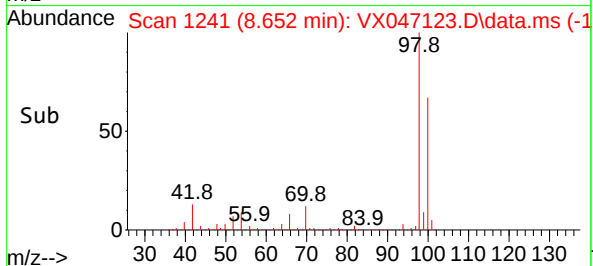
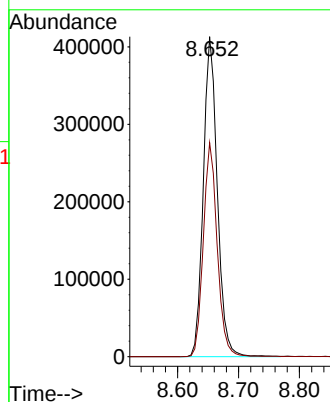
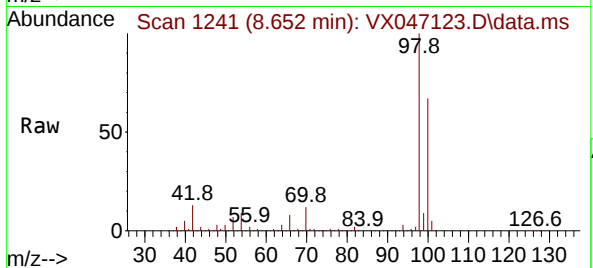
ClientSampleId :

Tgt Ion: 98 Resp: 660641

Ion Ratio Lower Upper

98 100

100 66.5 53.3 79.9



#52

Toluene

Concen: 1.828 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX047123.D

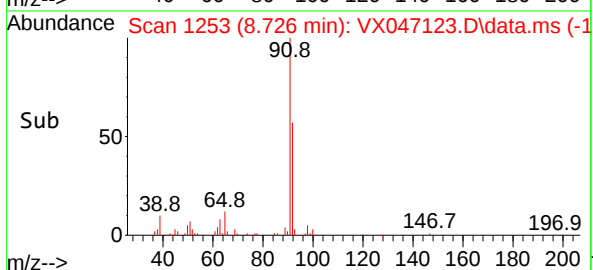
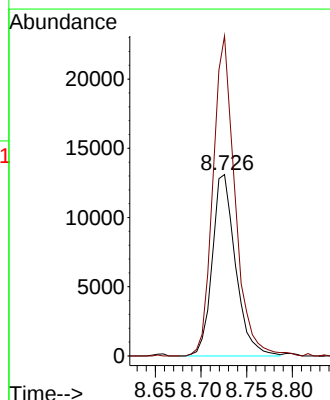
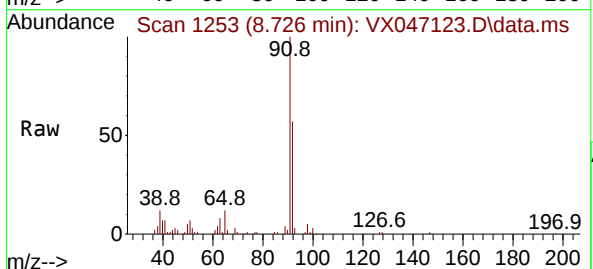
Acq: 24 Jul 2025 16:15

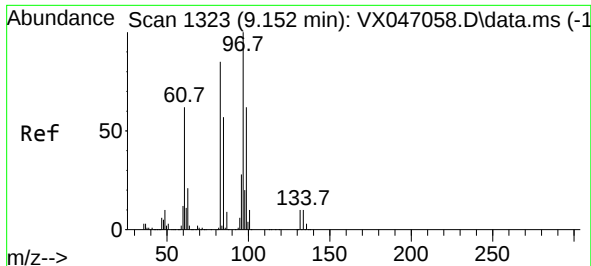
Tgt Ion: 92 Resp: 23199

Ion Ratio Lower Upper

92 100

91 167.2 137.9 206.9

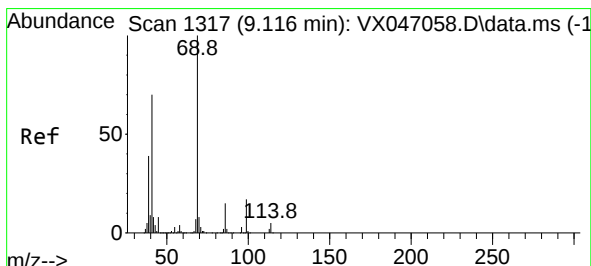
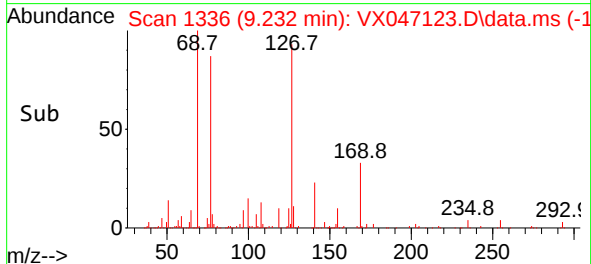
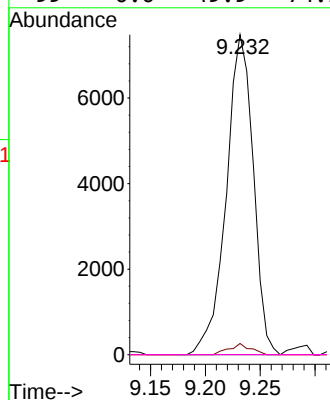
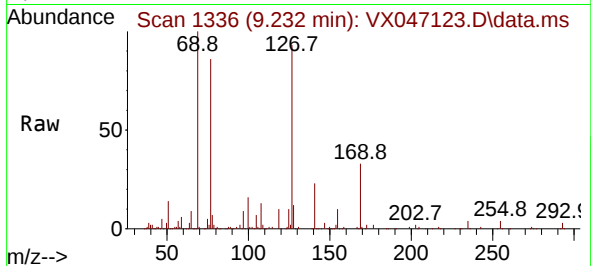




#55
1,1,2-Trichloroethane
Concen: 2.696 ug/l
RT: 9.232 min Scan# 1336
Delta R.T. 0.079 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

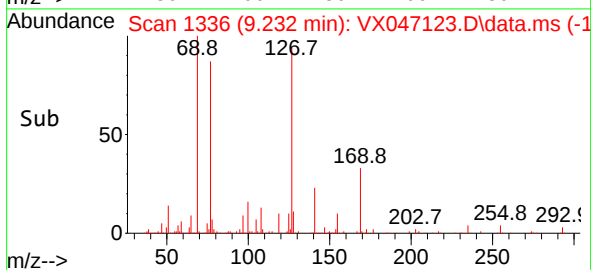
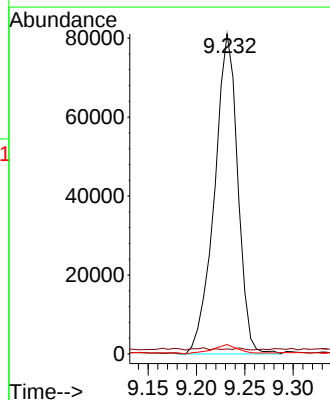
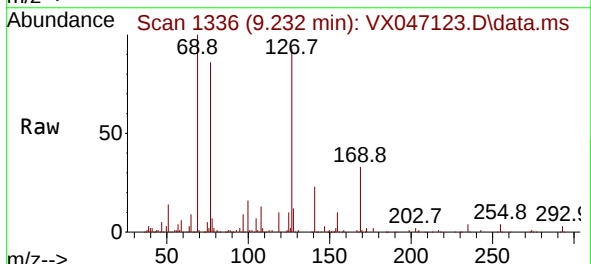
Instrument :
MSVOA_X
ClientSampleId :

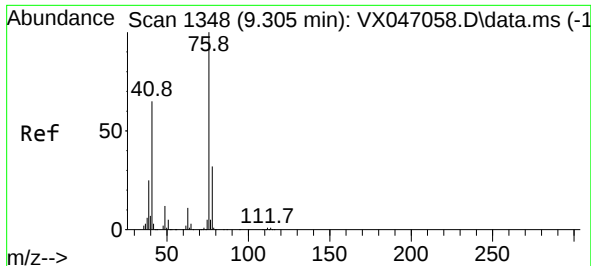
Tgt Ion:	97	Resp:	12828
Ion	Ratio	Lower	Upper
97	100		
83	3.5	68.0	102.0#
85	0.0	45.2	67.8#
99	0.0	49.9	74.9#



#56
Ethyl methacrylate
Concen: 19.269 ug/l
RT: 9.232 min Scan# 1336
Delta R.T. 0.116 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion:	69	Resp:	135742
Ion	Ratio	Lower	Upper
69	100		
41	0.0	56.1	84.1#
39	3.3	31.1	46.7#





#57

1,3-Dichloropropane

Concen: 0.297 ug/l

RT: 9.232 min Scan# 1336

Delta R.T. -0.073 min

Lab File: VX047123.D

Acq: 24 Jul 2025 16:15

Instrument :

MSVOA_X

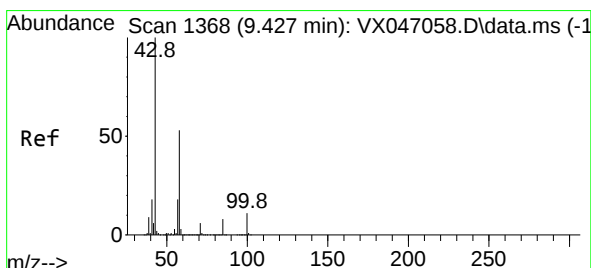
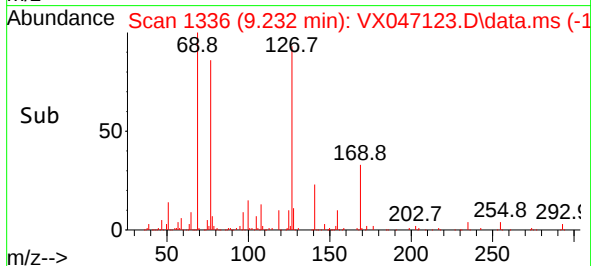
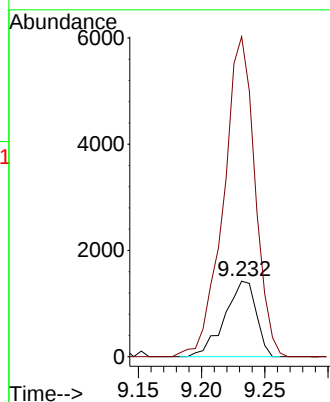
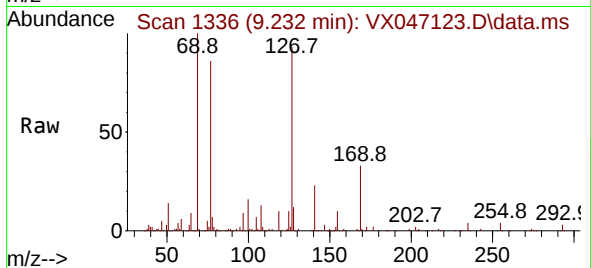
ClientSampleId :

Tgt Ion: 76 Resp: 2459

Ion Ratio Lower Upper

76 100

78 424.2 25.5 38.3#



#59

2-Hexanone

Concen: 16.843 ug/l

RT: 9.421 min Scan# 1367

Delta R.T. -0.006 min

Lab File: VX047123.D

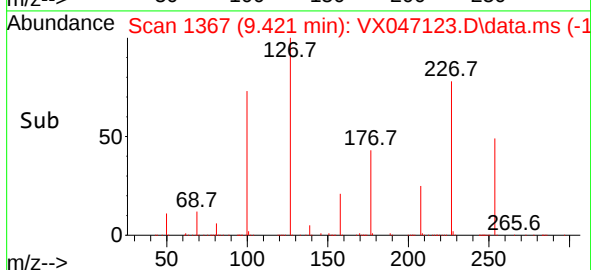
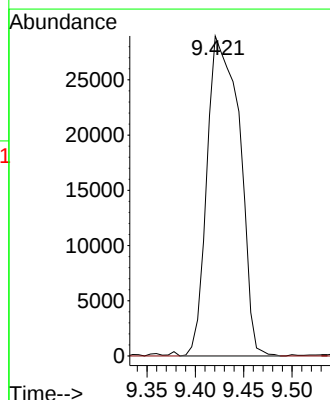
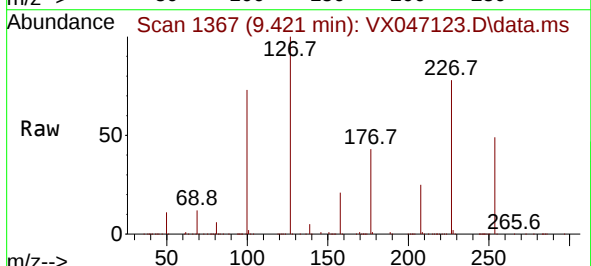
Acq: 24 Jul 2025 16:15

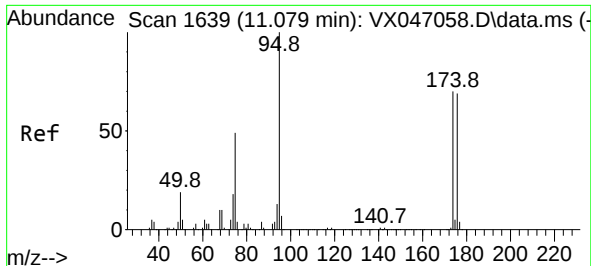
Tgt Ion: 43 Resp: 67749

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#

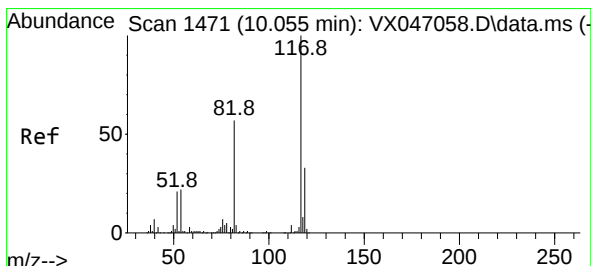
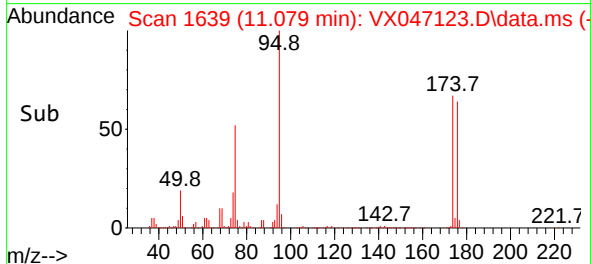
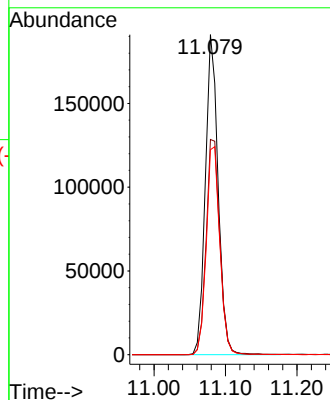
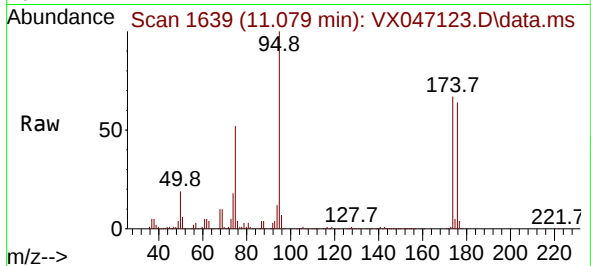




#62
4-Bromofluorobenzene
Concen: 40.607 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

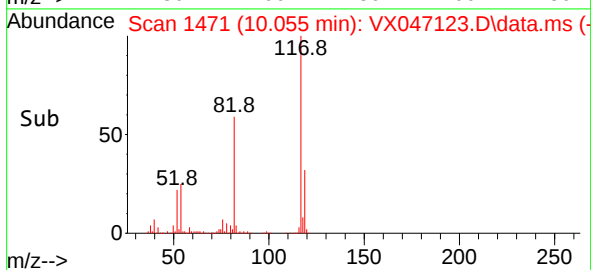
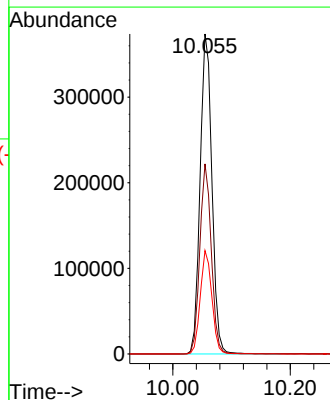
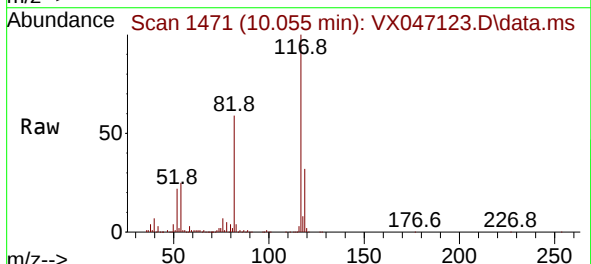
Instrument :
MSVOA_X
ClientSampleId :

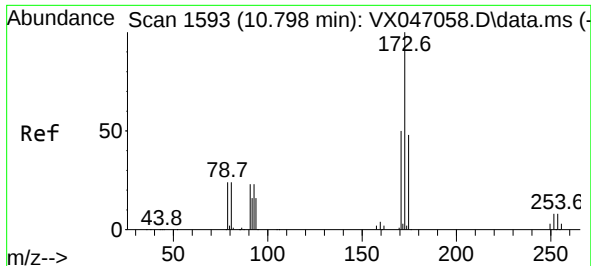
Tgt Ion: 95 Resp: 237060
Ion Ratio Lower Upper
95 100
174 72.4 0.0 144.6
176 69.2 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

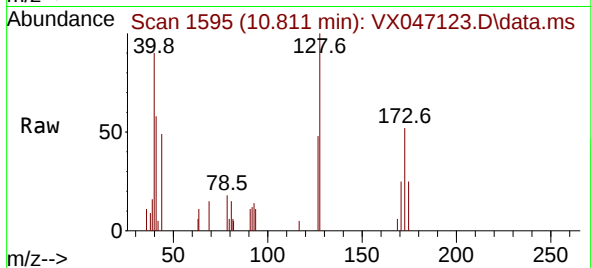
Tgt Ion: 117 Resp: 521532
Ion Ratio Lower Upper
117 100
82 59.4 45.4 68.2
119 32.3 26.1 39.1



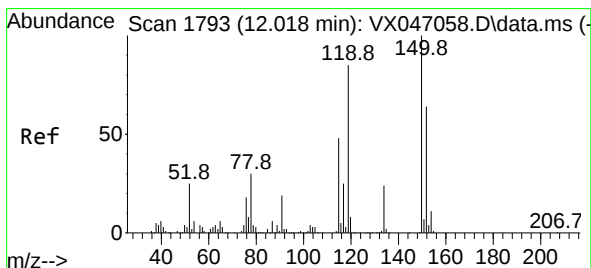
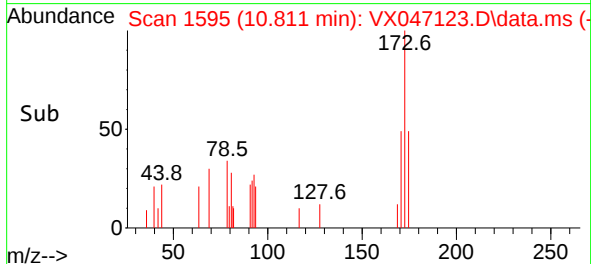
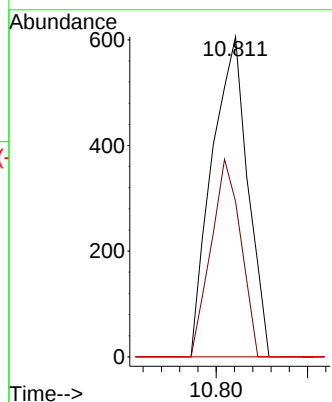


#71
Bromoform
Concen: 0.264 ug/l
RT: 10.811 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :

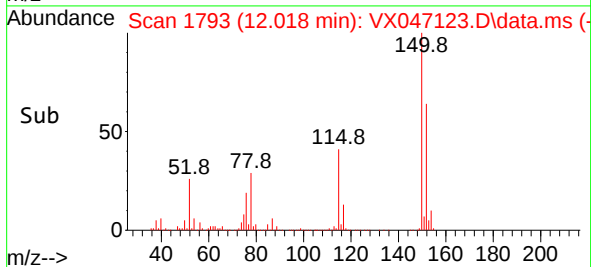
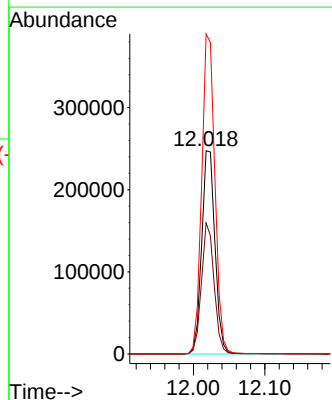
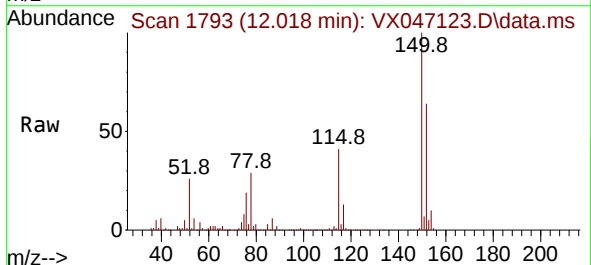


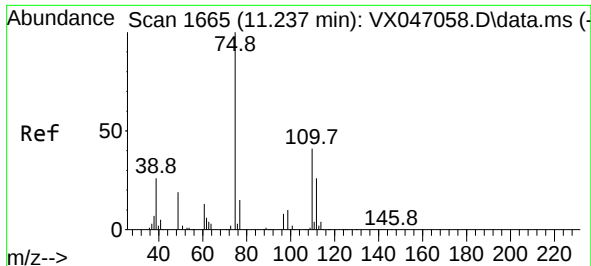
Tgt Ion:173 Resp: 825
Ion Ratio Lower Upper
173 100
175 51.4 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion:152 Resp: 319546
Ion Ratio Lower Upper
152 100
115 61.3 45.6 136.7
150 156.0 0.0 354.6

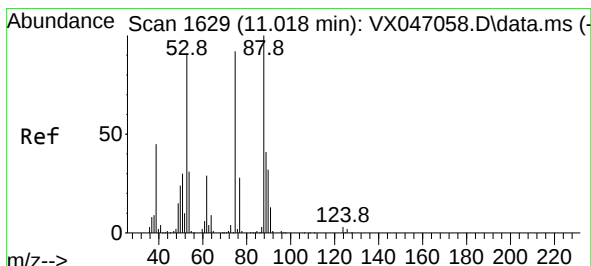
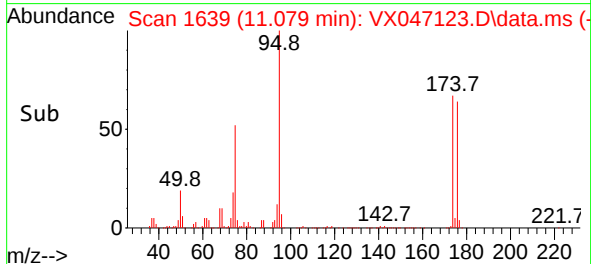
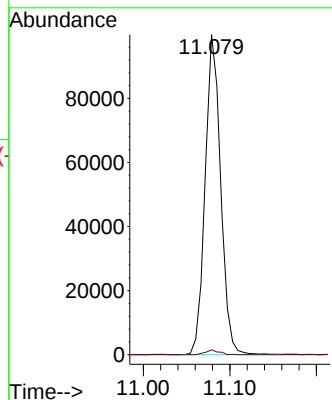
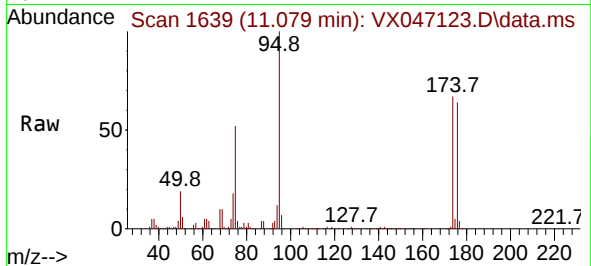




#76
1,2,3-Trichloropropane
Concen: 21.045 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 124473
Ion Ratio Lower Upper
75 100
77 1.3 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.220 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion: 75 Resp: 124473
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

