

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020325\
 Data File : VX044822.D
 Acq On : 03 Feb 2025 18:04
 Operator : JC/MD
 Sample : Q1239-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

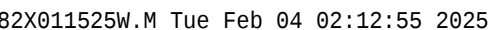
Quant Time: Feb 04 02:12:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

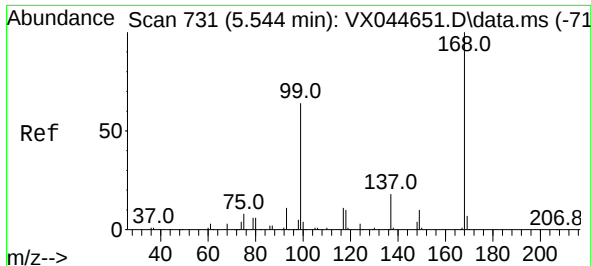
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	127745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	257686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	225990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91605	47.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.020%		
35) Dibromofluoromethane	5.379	113	79372	48.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	8.647	98	300327	52.615	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.220%		
62) 4-Bromofluorobenzene	11.079	95	102674	48.252	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.500%		
Target Compounds						Qvalue
6) Chloroethane	1.666	64	630	1.870	ug/l #	41
11) Tert butyl alcohol	2.946	59	4731	11.006	ug/l #	85
13) Acrolein	2.239	56	162	0.801	ug/l #	15
16) Acetone	2.379	43	48571	63.668	ug/l	97
18) Methyl Acetate	2.709	43	2205	0.937	ug/l	95
20) Methylene Chloride	2.782	84	4492	2.528	ug/l	96
25) 2-Butanone	4.580	43	5949	5.245	ug/l #	82
30) Chloroform	5.086	83	1414	0.467	ug/l	92
31) Cyclohexane	5.550	56	2874	1.184	ug/l #	15
36) 1,1-Dichloropropene	5.544	75	11173	4.903	ug/l #	50
38) Carbon Tetrachloride	5.550	117	13532	5.279	ug/l #	15
43) Isopropyl Acetate	6.348	43	12262	2.747	ug/l	98
51) 4-Methyl-2-Pentanone	8.543	43	66546	26.974	ug/l #	47
54) cis-1,3-Dichloropropene	8.543	75	29635	9.533	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	1052	0.353	ug/l #	42
59) 2-Hexanone	9.482	43	14787	8.147	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	51966	22.605	ug/l #	31
81) trans-1,4-Dichloro-2-b...	11.079	75	51966	51.693	ug/l #	12

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

Quant Time: Feb 04 02:12:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

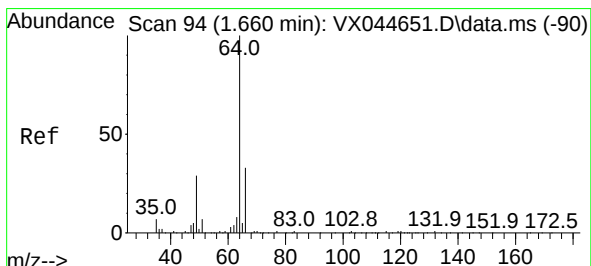
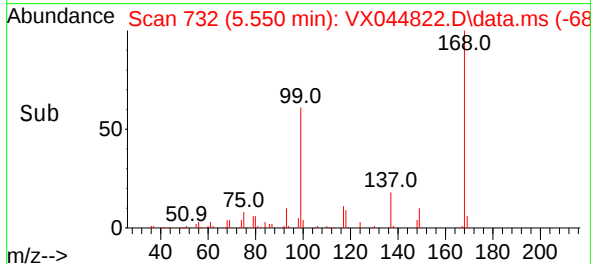
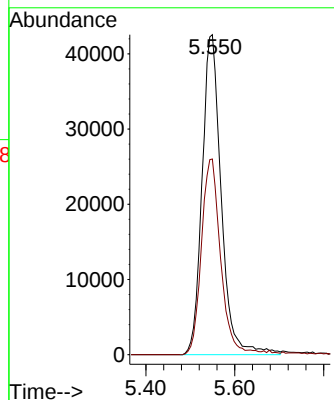
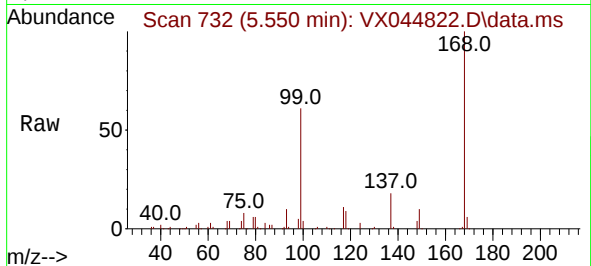




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

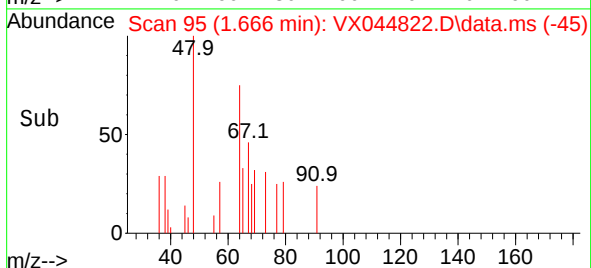
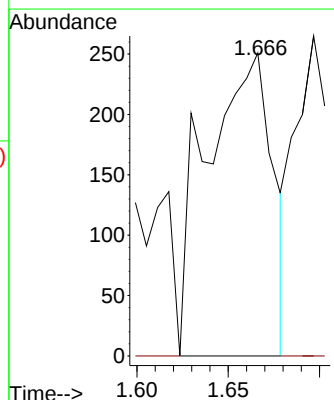
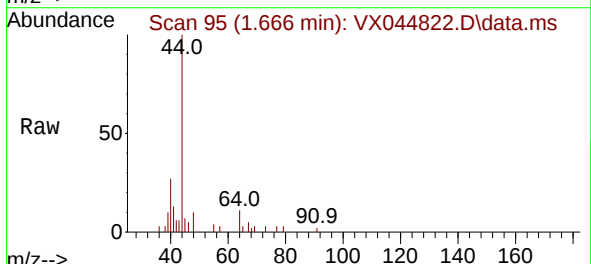
Instrument :
MSVOA_X
ClientSampleId :

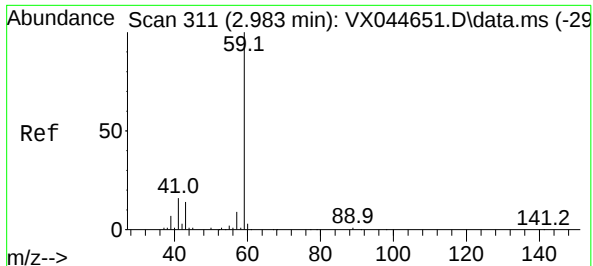
Tgt Ion:168 Resp: 127745
Ion Ratio Lower Upper
168 100
99 61.1 51.1 76.7



#6
Chloroethane
Concen: 1.870 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

Tgt Ion: 64 Resp: 630
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#





#11

Tert butyl alcohol

Concen: 11.006 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.037 min

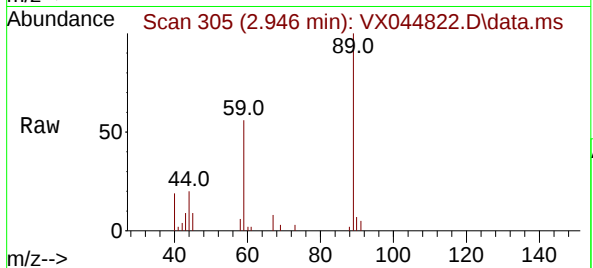
Lab File: VX044822.D

Acq: 03 Feb 2025 18:04

Instrument :

MSVOA_X

ClientSampleId :

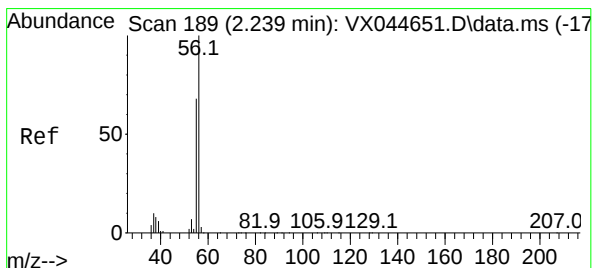
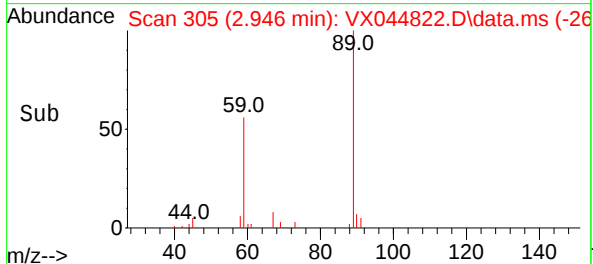
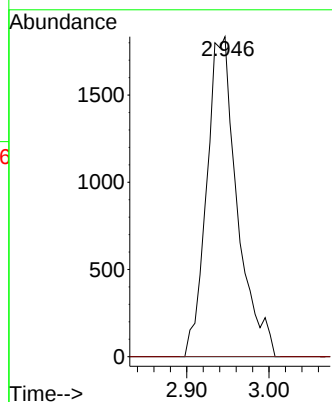


Tgt Ion: 59 Resp: 4731

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#



#13

Acrolein

Concen: 0.801 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX044822.D

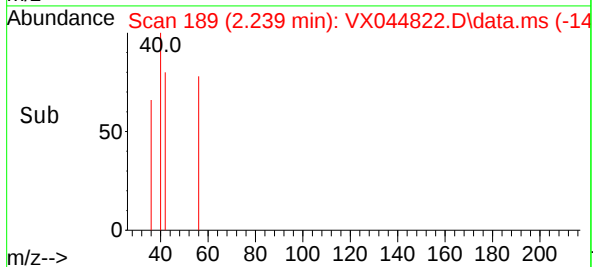
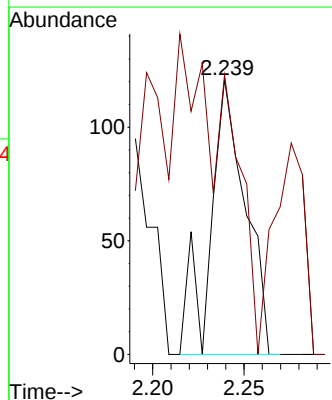
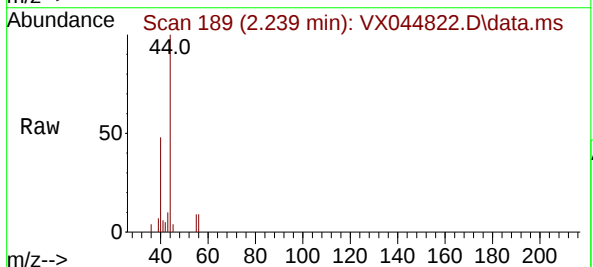
Acq: 03 Feb 2025 18:04

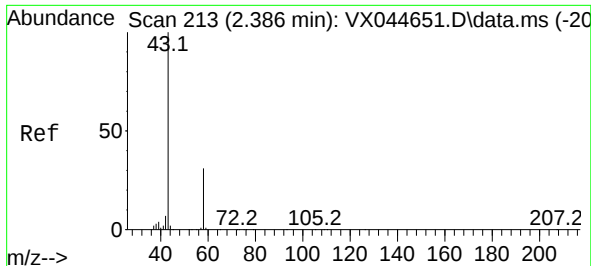
Tgt Ion: 56 Resp: 162

Ion Ratio Lower Upper

56 100

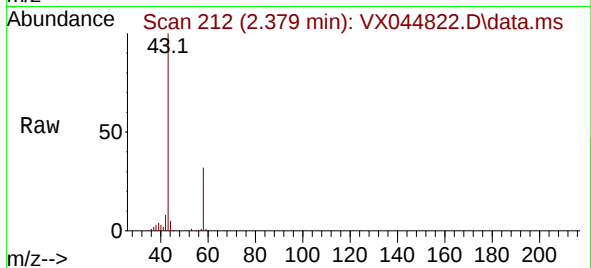
55 0.0 55.1 82.7#



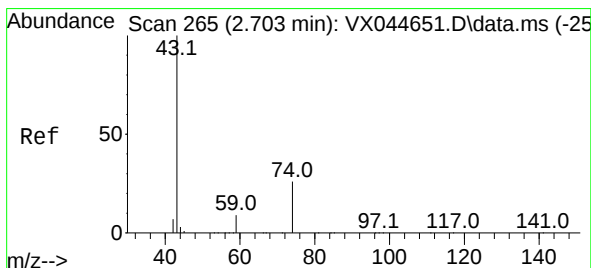
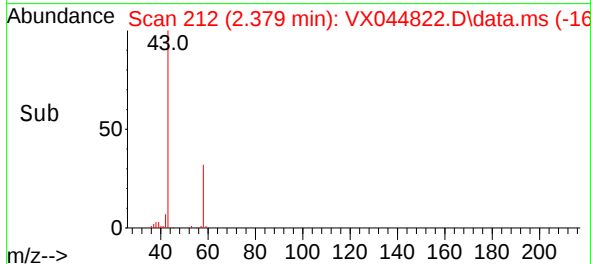
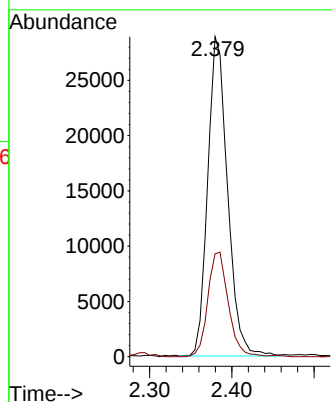


#16
Acetone
Concen: 63.668 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

Instrument :
MSVOA_X
ClientSampleId :

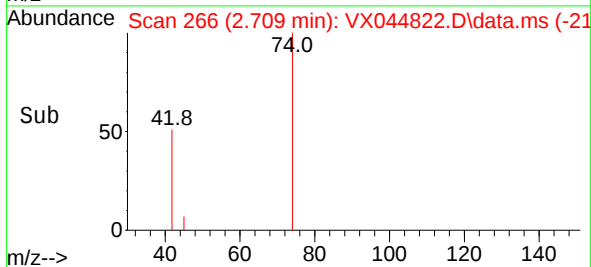
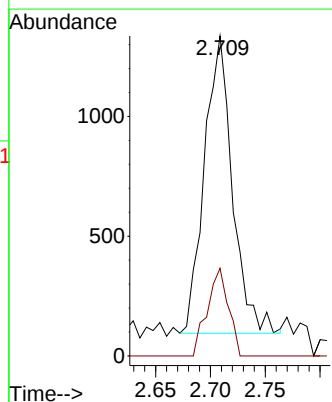
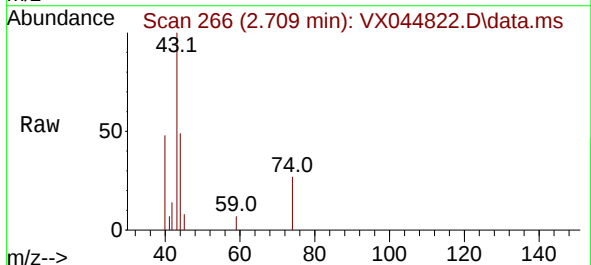


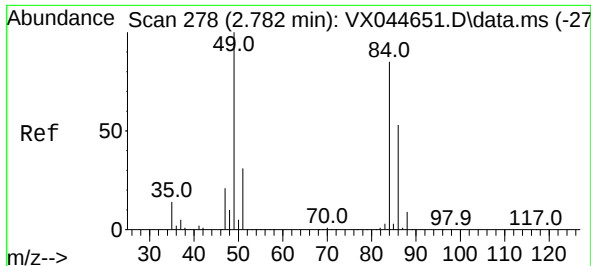
Tgt Ion: 43 Resp: 48571
Ion Ratio Lower Upper
43 100
58 32.2 24.6 37.0



#18
Methyl Acetate
Concen: 0.937 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

Tgt Ion: 43 Resp: 2205
Ion Ratio Lower Upper
43 100
74 22.2 19.8 29.8





#20

Methylene Chloride

Concen: 2.528 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

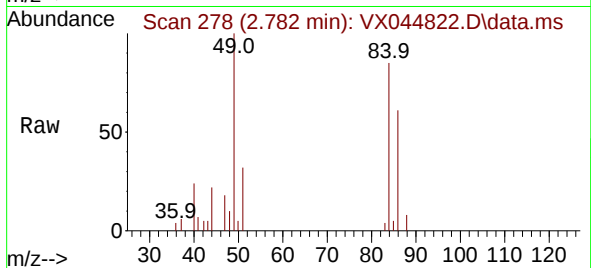
Lab File: VX044822.D

Acq: 03 Feb 2025 18:04

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 4492

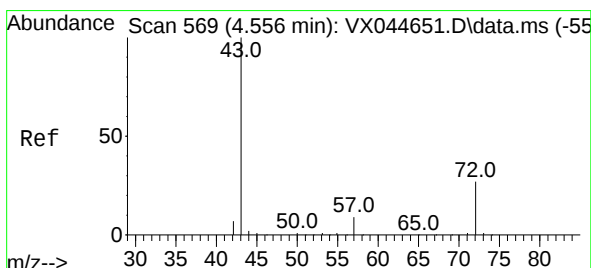
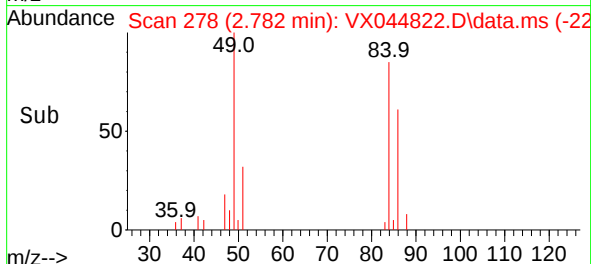
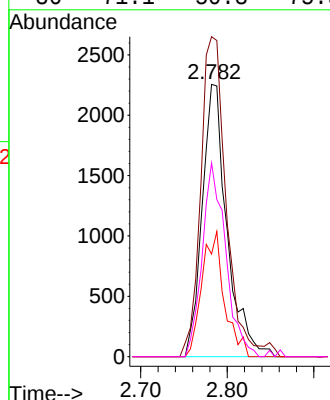
Ion Ratio Lower Upper

84 100

49 117.5 94.2 141.4

51 37.7 28.8 43.2

86 71.1 50.3 75.5



#25

2-Butanone

Concen: 5.245 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.024 min

Lab File: VX044822.D

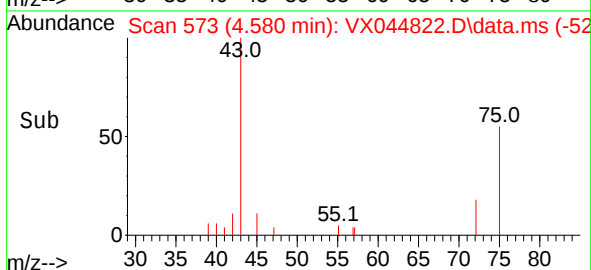
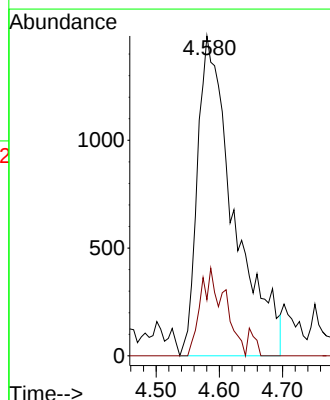
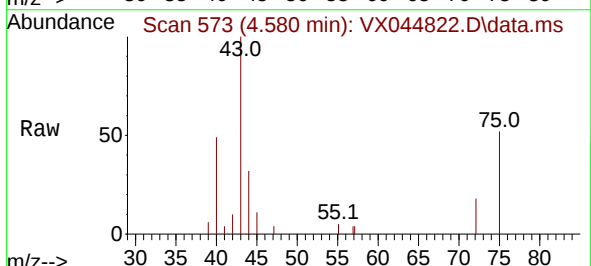
Acq: 03 Feb 2025 18:04

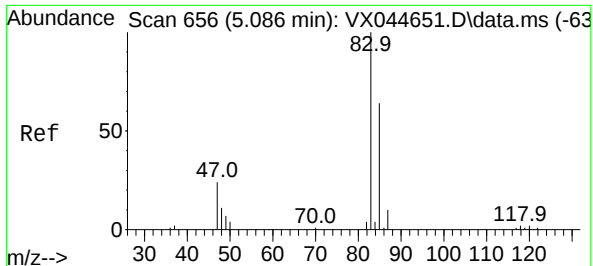
Tgt Ion: 43 Resp: 5949

Ion Ratio Lower Upper

43 100

72 17.6 21.7 32.5#





#30

Chloroform

Concen: 0.467 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX044822.D

Acq: 03 Feb 2025 18:04

Instrument :

MSVOA_X

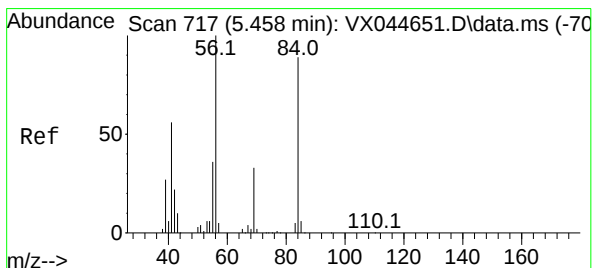
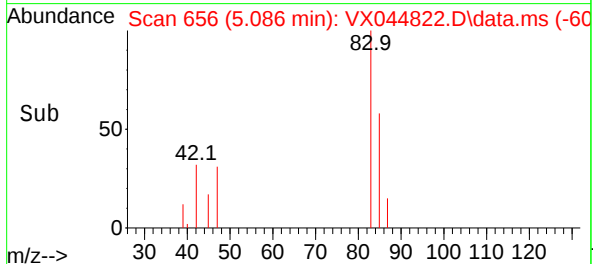
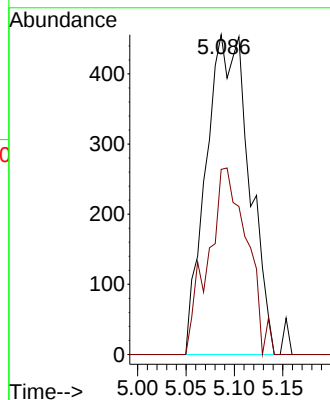
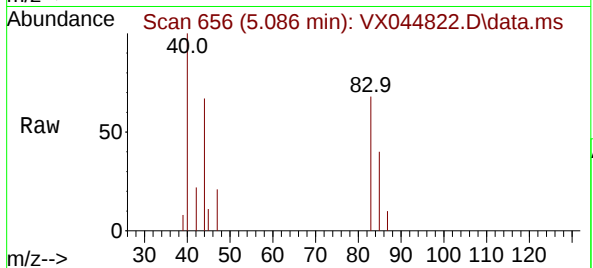
ClientSampleId :

Tgt Ion: 83 Resp: 1414

Ion Ratio Lower Upper

83 100

85 57.9 51.2 76.8



#31

Cyclohexane

Concen: 1.184 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.091 min

Lab File: VX044822.D

Acq: 03 Feb 2025 18:04

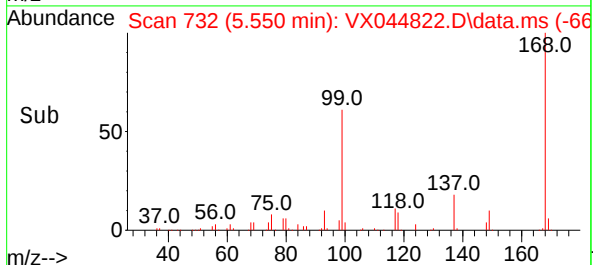
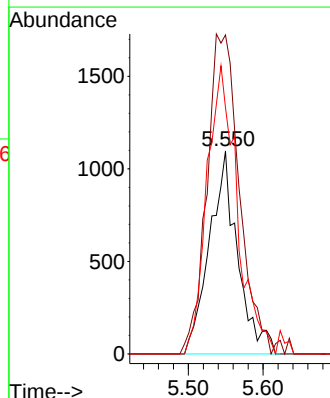
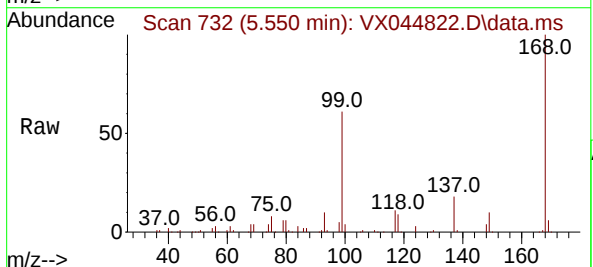
Tgt Ion: 56 Resp: 2874

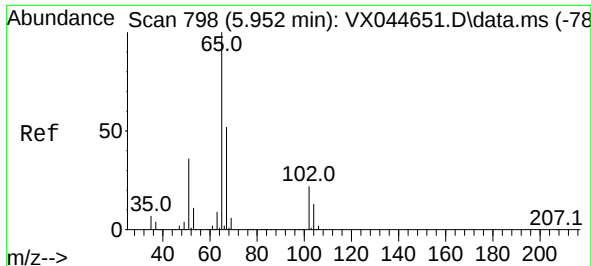
Ion Ratio Lower Upper

56 100

69 157.2 26.8 40.2#

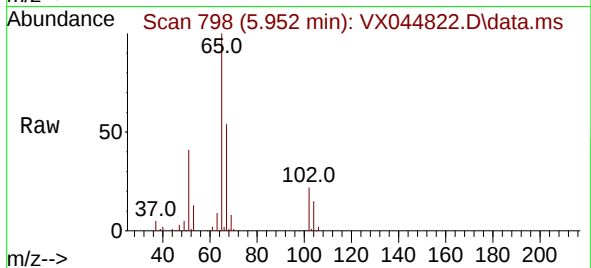
84 121.3 71.0 106.4#



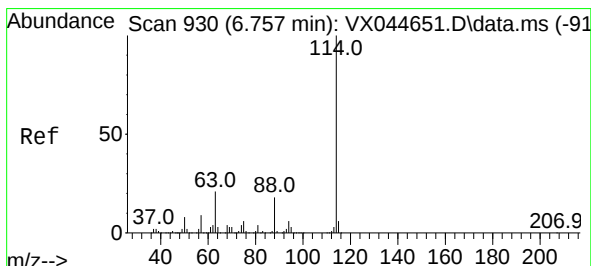
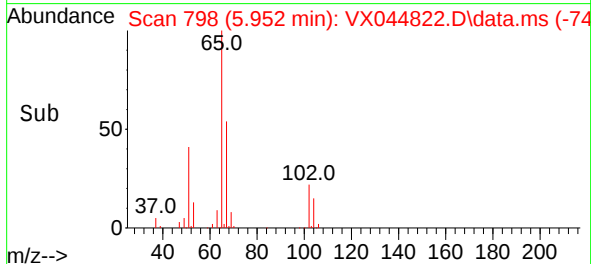
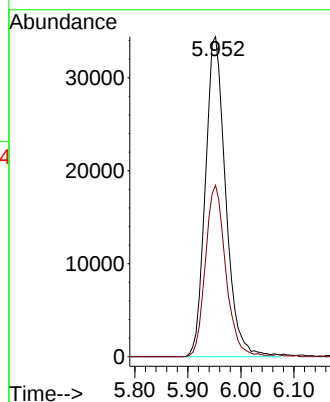


#33
1,2-Dichloroethane-d4
Concen: 47.508 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

Instrument :
MSVOA_X
ClientSampleId :

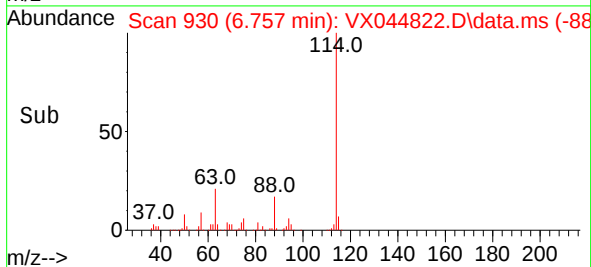
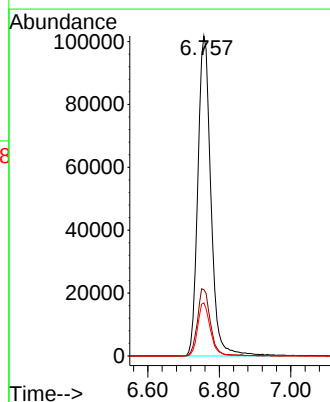
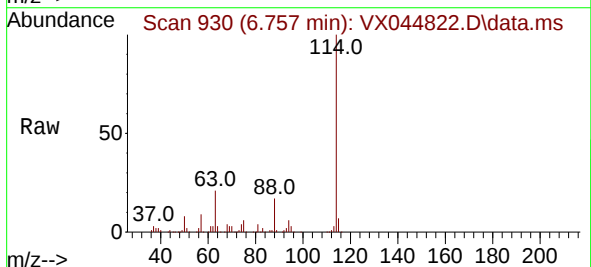


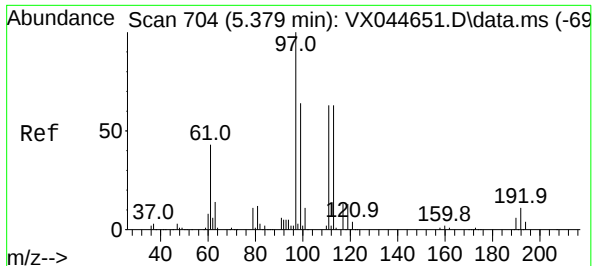
Tgt Ion: 65 Resp: 91605
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

Tgt Ion: 114 Resp: 257686
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.0
88 16.6 0.0 35.4





#35

Dibromofluoromethane

Concen: 48.485 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

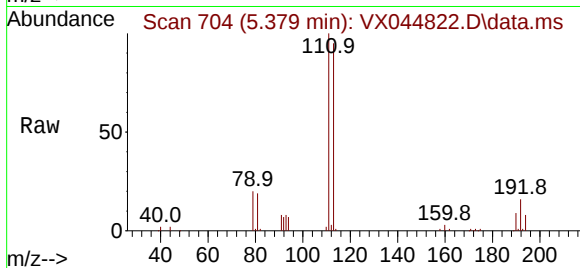
Lab File: VX044822.D

Acq: 03 Feb 2025 18:04

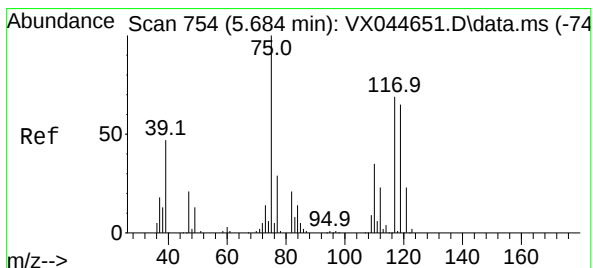
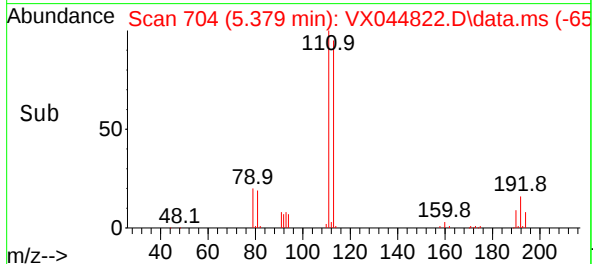
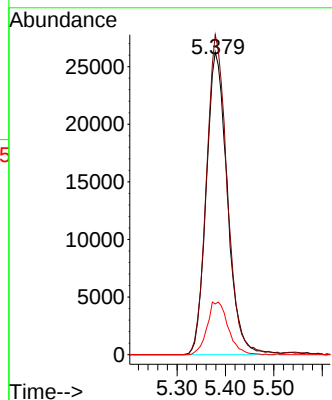
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	79372
Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.6	122.4
192	17.5	14.4	21.6



#36

1,1-Dichloropropene

Concen: 4.903 ug/l

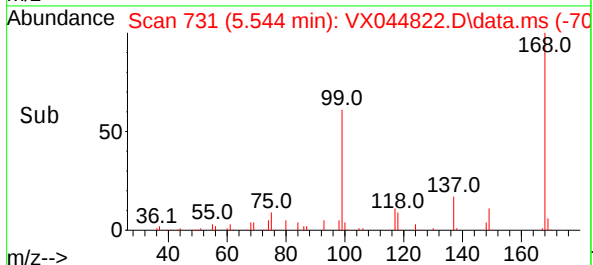
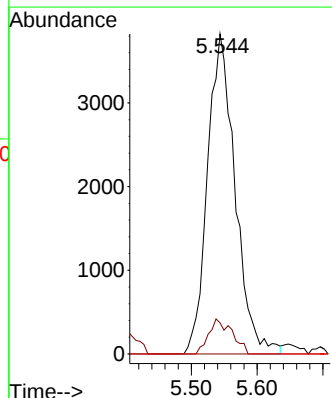
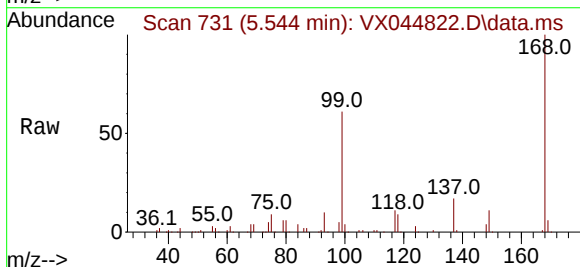
RT: 5.544 min Scan# 731

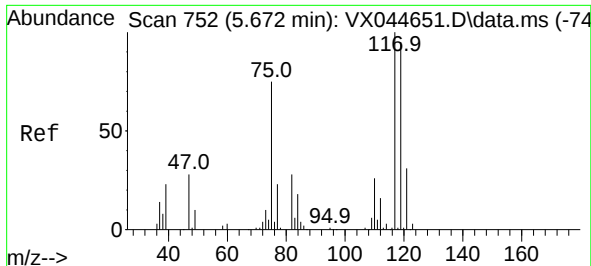
Delta R.T. -0.140 min

Lab File: VX044822.D

Acq: 03 Feb 2025 18:04

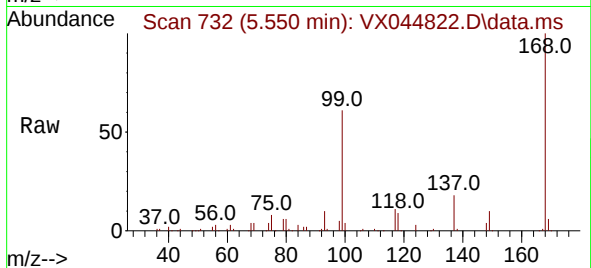
Tgt Ion:	75	Resp:	11173
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.9	53.8#
77	0.0	24.5	36.7#



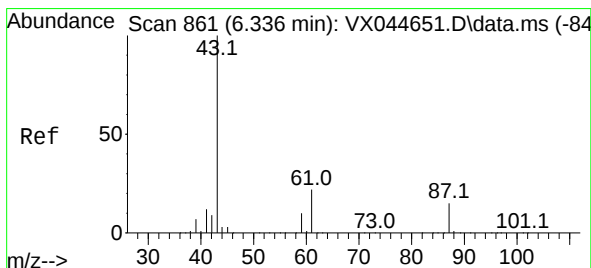
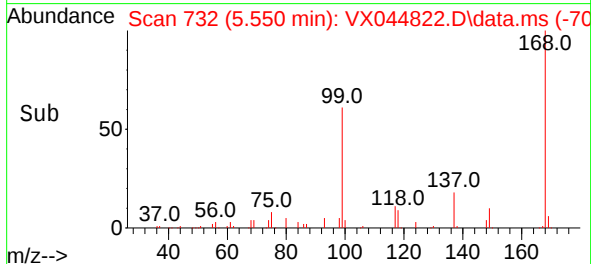
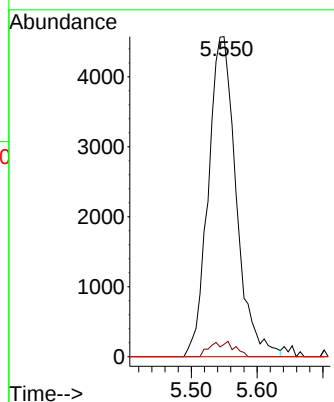


#38
Carbon Tetrachloride
Concen: 5.279 ug/l
RT: 5.550 min Scan# 752
Delta R.T. -0.122 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

Instrument :
MSVOA_X
ClientSampleId :

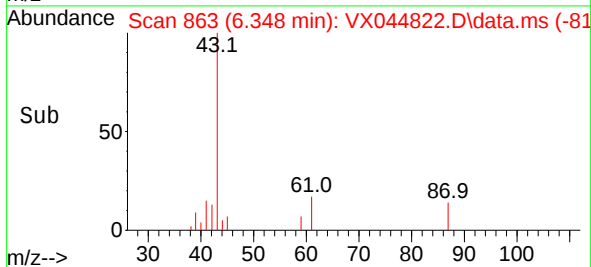
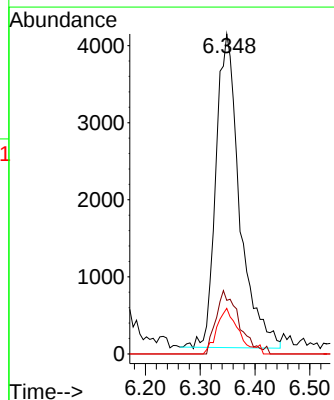
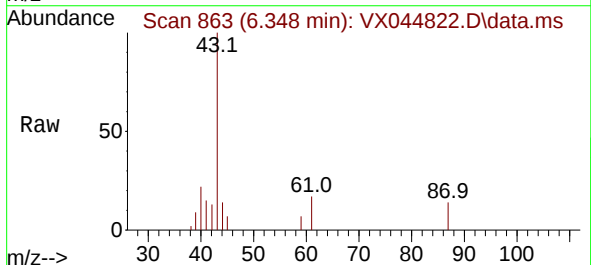


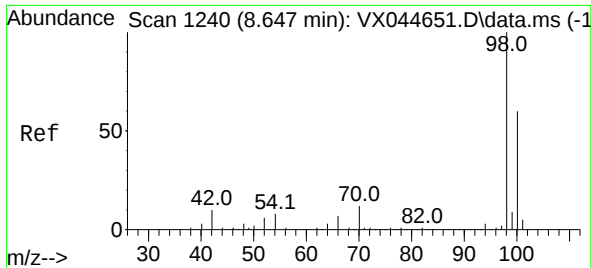
Tgt Ion:117 Resp: 13532
Ion Ratio Lower Upper
117 100
119 3.9 76.0 114.0#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 2.747 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

Tgt Ion: 43 Resp: 12262
Ion Ratio Lower Upper
43 100
61 19.8 16.6 24.8
87 13.4 11.0 16.6

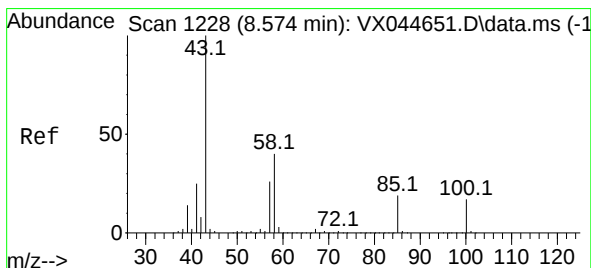
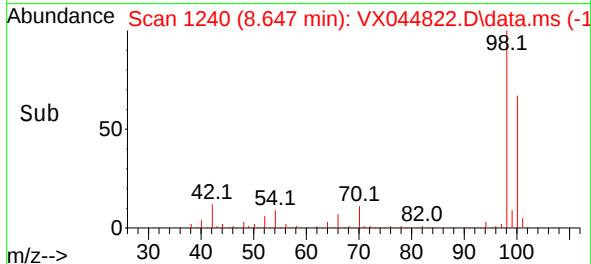
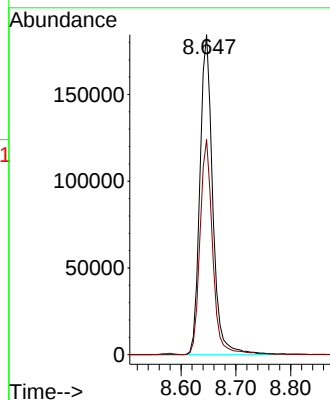
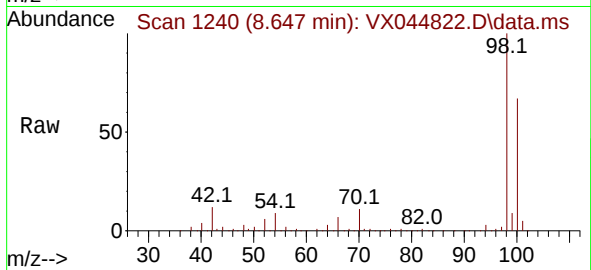




#50
Toluene-d8
Concen: 52.615 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

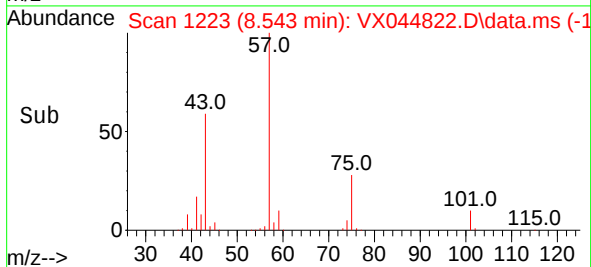
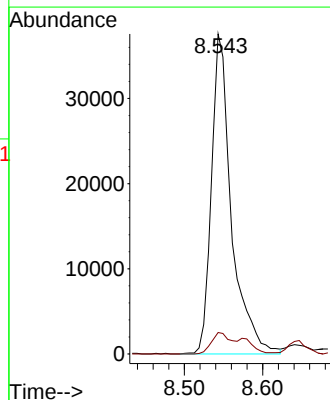
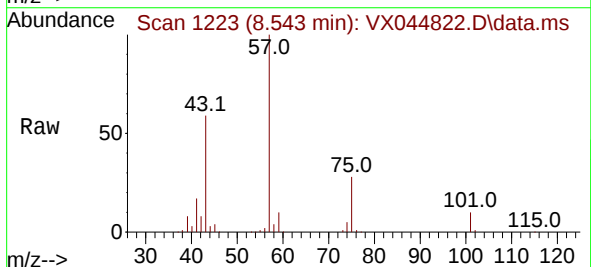
Instrument :
MSVOA_X
ClientSampleId :

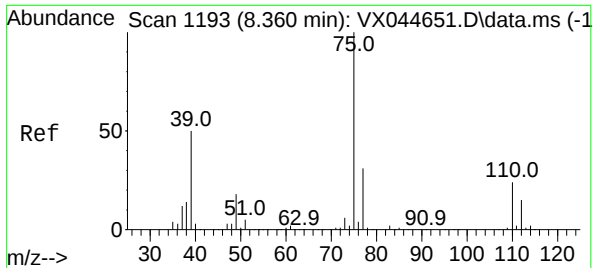
Tgt Ion: 98 Resp: 300327
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 26.974 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

Tgt Ion: 43 Resp: 66546
Ion Ratio Lower Upper
43 100
58 6.9 31.9 47.9#





#54

cis-1,3-Dichloropropene

Concen: 9.533 ug/l

RT: 8.543 min Scan# 1193

Delta R.T. 0.183 min

Lab File: VX044822.D

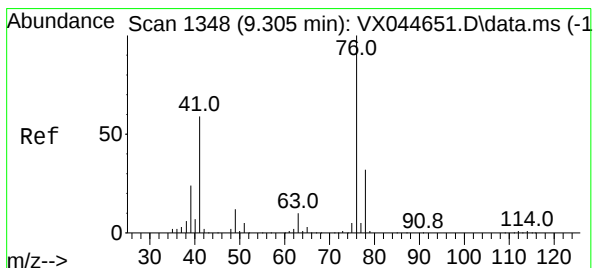
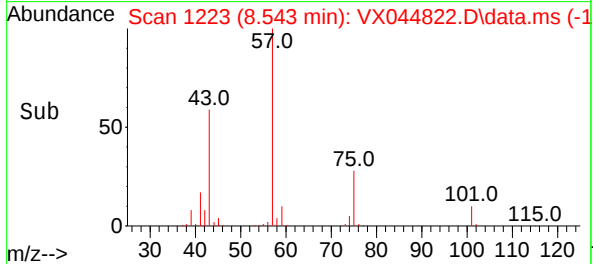
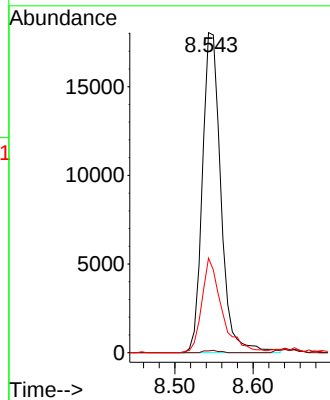
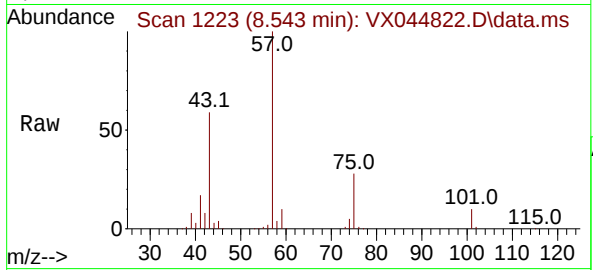
Acq: 03 Feb 2025 18:04

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	75	Resp:	29635
Ion Ratio	Lower	Upper	
75	100		
77	0.6	25.1	37.7#
39	29.5	40.3	60.5#



#57

1,3-Dichloropropane

Concen: 0.353 ug/l

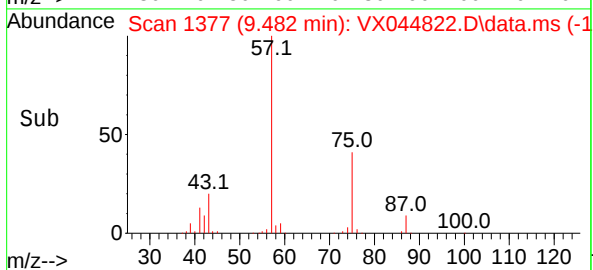
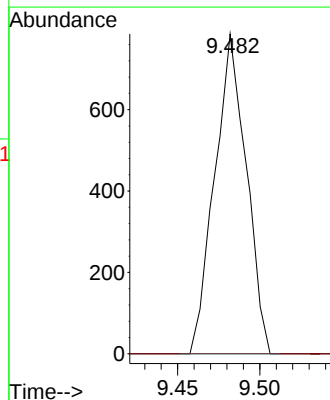
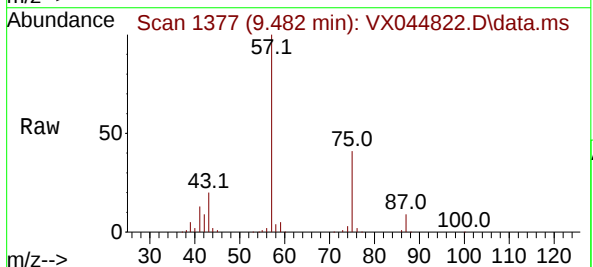
RT: 9.482 min Scan# 1377

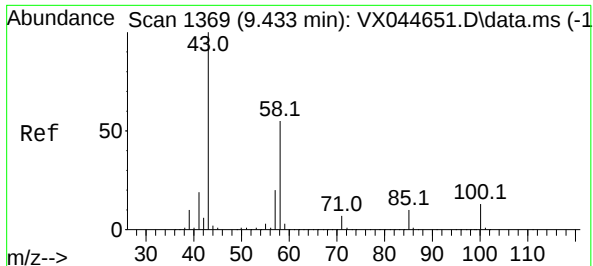
Delta R.T. 0.177 min

Lab File: VX044822.D

Acq: 03 Feb 2025 18:04

Tgt Ion:	76	Resp:	1052
Ion Ratio	Lower	Upper	
76	100		
78	0.0	26.0	39.0#

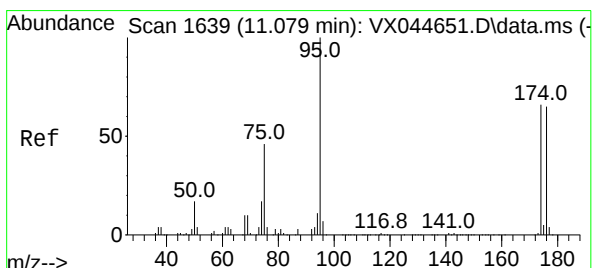
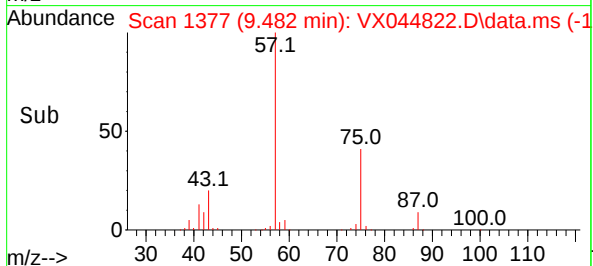
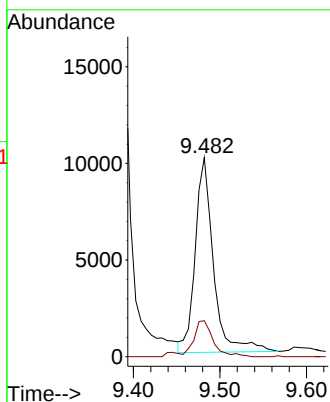
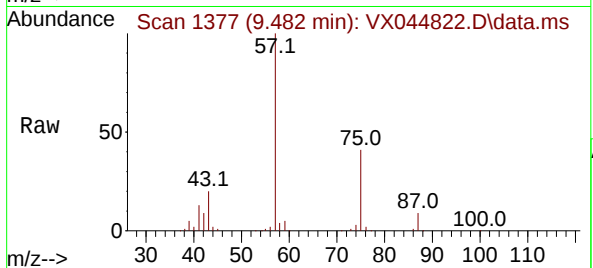




#59
2-Hexanone
Concen: 8.147 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

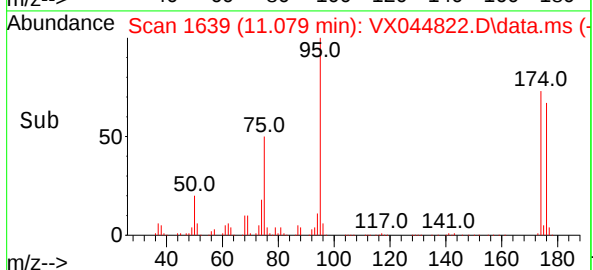
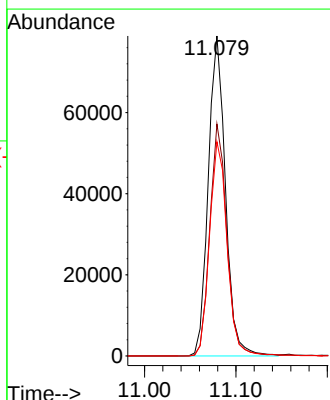
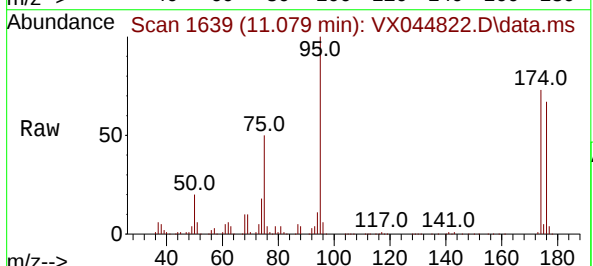
Instrument :
MSVOA_X
ClientSampleId :

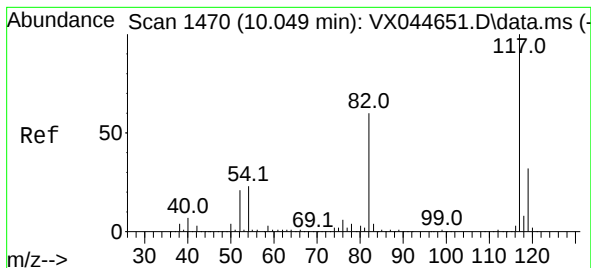
Tgt Ion: 43 Resp: 14787
Ion Ratio Lower Upper
43 100
58 19.3 27.8 83.3#



#62
4-Bromofluorobenzene
Concen: 48.252 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

Tgt Ion: 95 Resp: 102674
Ion Ratio Lower Upper
95 100
174 72.5 0.0 133.0
176 68.8 0.0 129.4

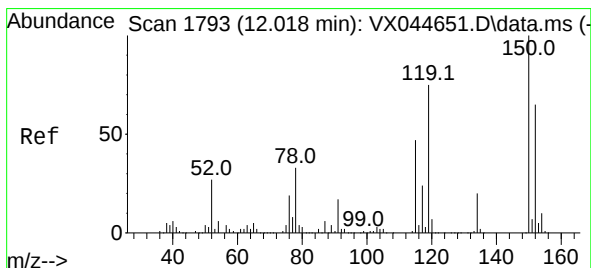
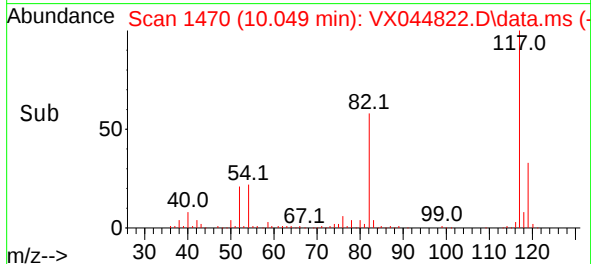
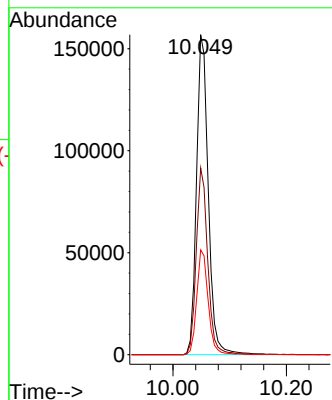
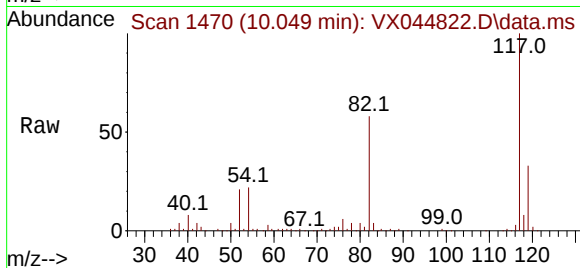




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

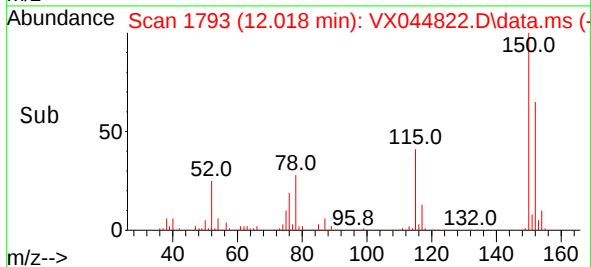
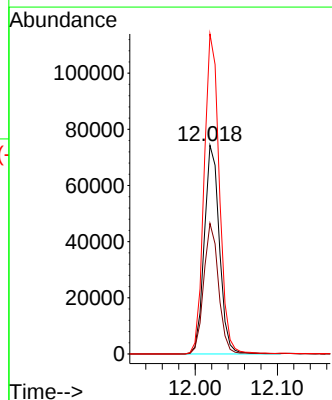
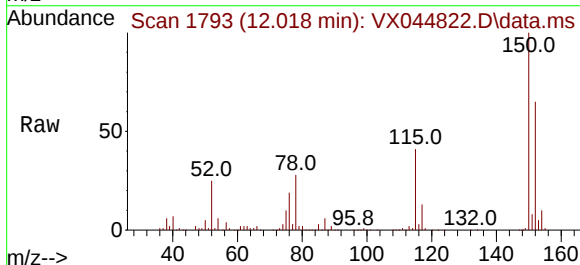
Instrument :
MSVOA_X
ClientSampleId :

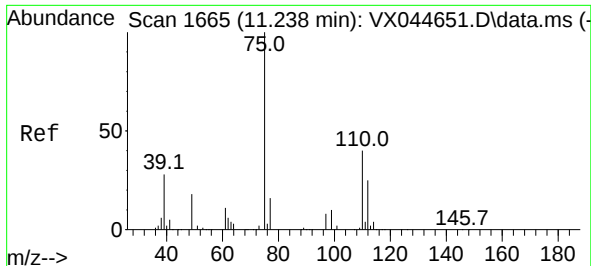
Tgt Ion:117 Resp: 225990
Ion Ratio Lower Upper
117 100
82 58.3 47.6 71.4
119 32.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044822.D
Acq: 03 Feb 2025 18:04

Tgt Ion:152 Resp: 94728
Ion Ratio Lower Upper
152 100
115 61.5 43.8 131.4
150 154.7 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 22.605 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044822.D

Acq: 03 Feb 2025 18:04

Instrument :

MSVOA_X

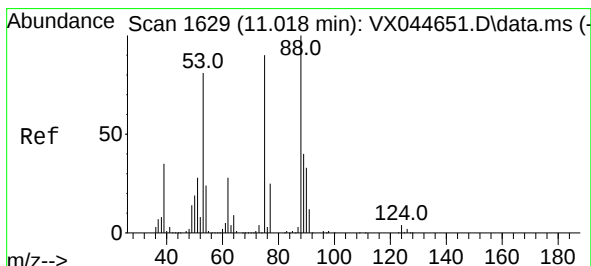
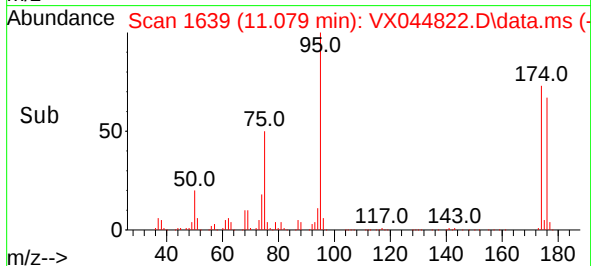
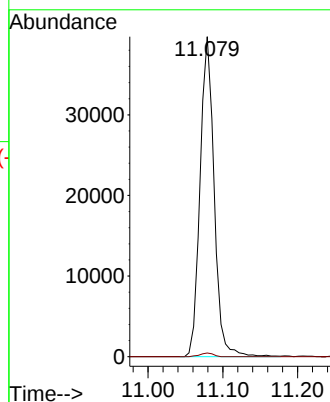
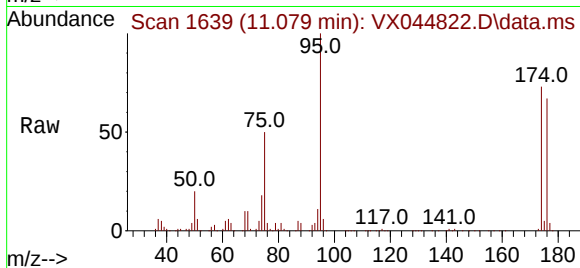
ClientSampleId :

Tgt Ion: 75 Resp: 51966

Ion Ratio Lower Upper

75 100

77 1.1 23.4 70.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.693 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044822.D

Acq: 03 Feb 2025 18:04

Tgt Ion: 75 Resp: 51966

Ion Ratio Lower Upper

75 100

53 0.0 74.3 111.5#

89 0.1 37.4 56.0#

