

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020325\
 Data File : VX044810.D
 Acq On : 03 Feb 2025 13:04
 Operator : JC/MD
 Sample : Q1216-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 04 02:08:34 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

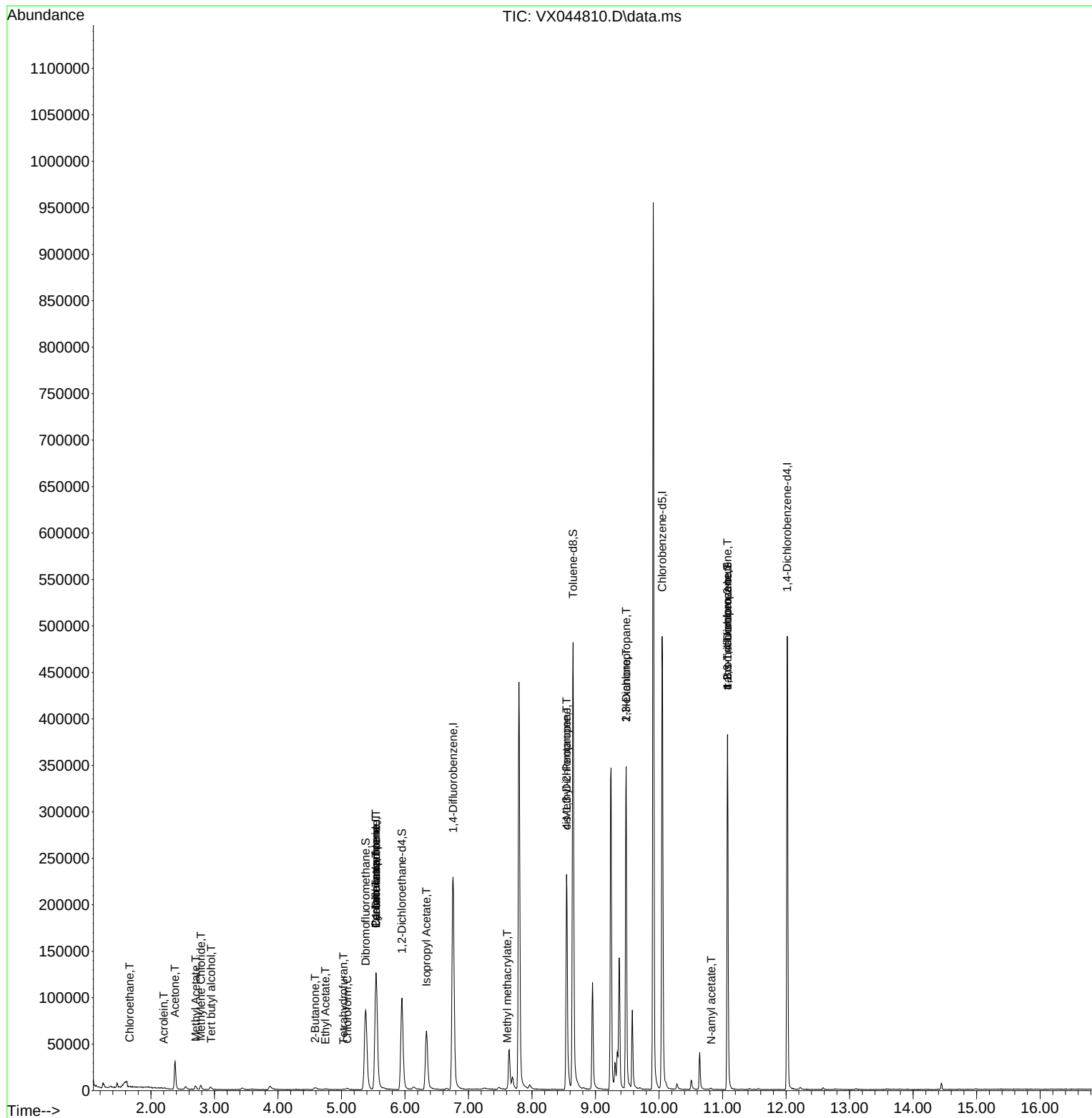
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	123220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	247340	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	223027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88313	47.482	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.960%
35) Dibromofluoromethane	5.379	113	78308	49.836	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.680%
50) Toluene-d8	8.647	98	300295	54.810	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.620%
62) 4-Bromofluorobenzene	11.079	95	104027	50.932	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.860%
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	89	0.274	ug/l #	41
11) Tert butyl alcohol	2.947	59	1565	3.774	ug/l #	85
13) Acrolein	2.203	56	43	0.220	ug/l #	1
16) Acetone	2.380	43	31398	42.669	ug/l	97
18) Methyl Acetate	2.703	43	4820	2.123	ug/l	91
20) Methylene Chloride	2.788	84	2241	1.308	ug/l	97
25) 2-Butanone	4.586	43	4233	3.869	ug/l	98
29) Tetrahydrofuran	5.032	42	618	0.876	ug/l #	33
30) Chloroform	5.093	83	1545	0.529	ug/l	100
31) Cyclohexane	5.544	56	2995	1.279	ug/l #	32
36) 1,1-Dichloropropene	5.544	75	10360	4.736	ug/l #	48
37) Ethyl Acetate	4.745	43	1553	0.667	ug/l #	76
38) Carbon Tetrachloride	5.544	117	12858	5.226	ug/l #	16
43) Isopropyl Acetate	6.336	43	93445	21.807	ug/l	98
48) Methyl methacrylate	7.610	41	1598	0.803	ug/l #	13
51) 4-Methyl-2-Pentanone	8.543	43	86177	36.392	ug/l #	50
54) cis-1,3-Dichloropropene	8.543	75	40224	13.480	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	3156	1.104	ug/l #	42
59) 2-Hexanone	9.482	43	42183	24.213	ug/l #	52
74) N-amyl acetate	10.823	43	1088	0.281	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	52837	22.614	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	52837	51.715	ug/l #	12

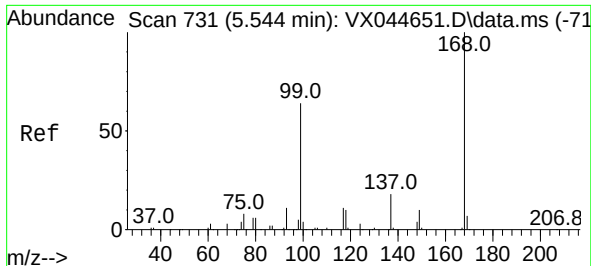
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX044810.D
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Misc : 5.0mL/MSVOA_X/WATER
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MSVOA_X
ClientSampleId :

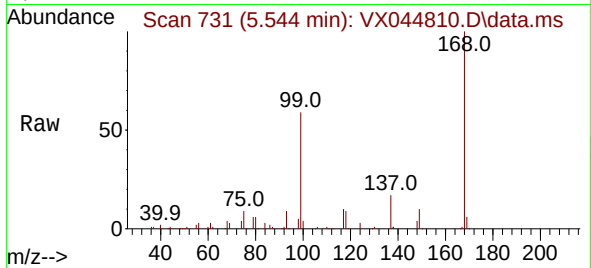
Quant Time: Feb 04 02:08:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



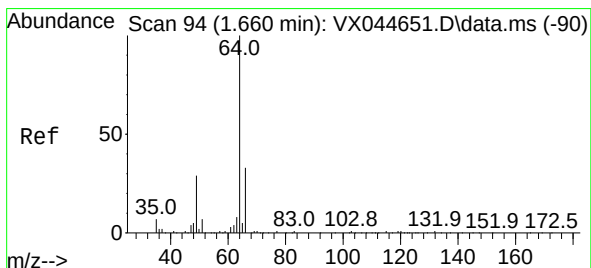
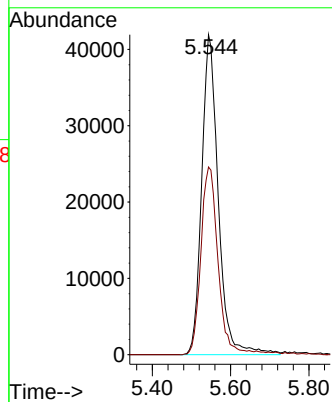
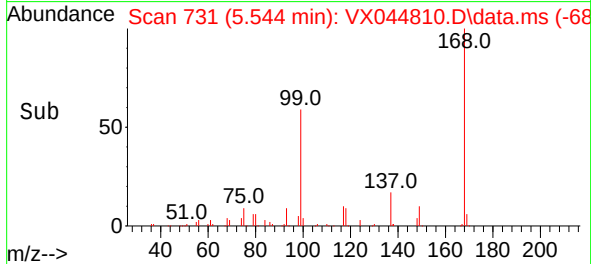


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :

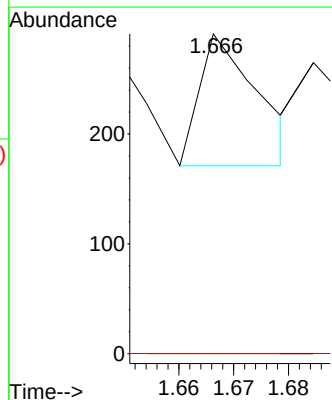
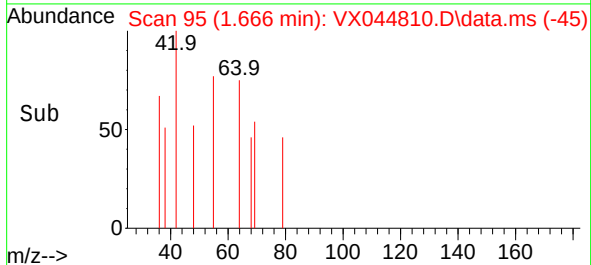
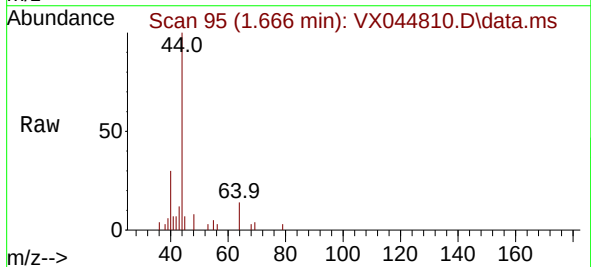


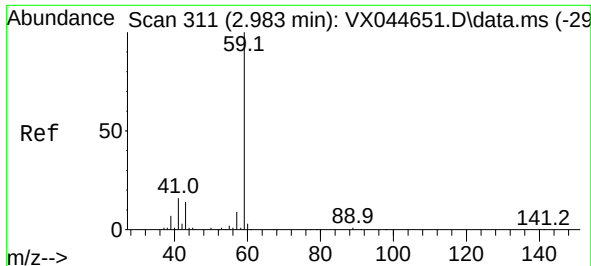
Tgt Ion:168 Resp: 123220
Ion Ratio Lower Upper
168 100
99 58.6 51.1 76.7



#6
Chloroethane
Concen: 0.274 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#





#11

Tert butyl alcohol

Concen: 3.774 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.037 min

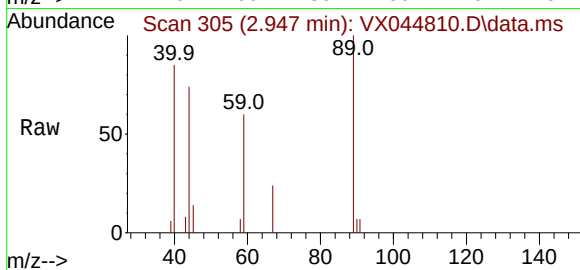
Lab File: VX044810.D

Acq: 03 Feb 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

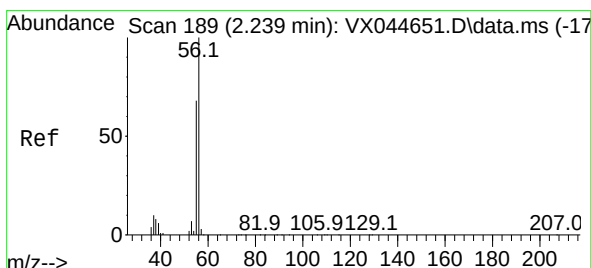
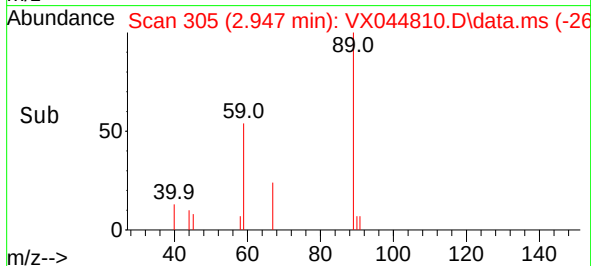
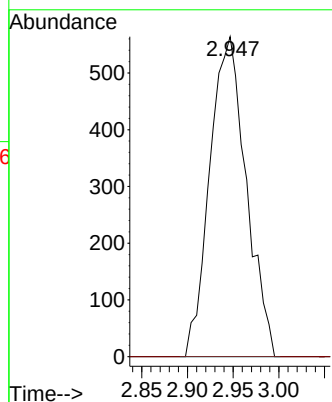


Tgt Ion: 59 Resp: 1565

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#



#13

Acrolein

Concen: 0.220 ug/l

RT: 2.203 min Scan# 183

Delta R.T. -0.037 min

Lab File: VX044810.D

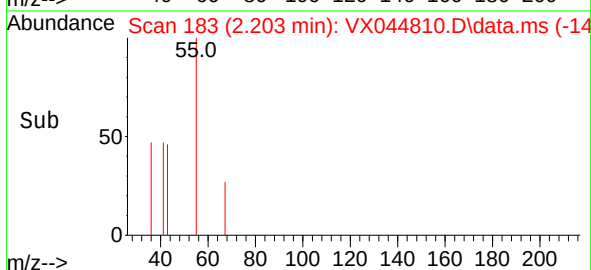
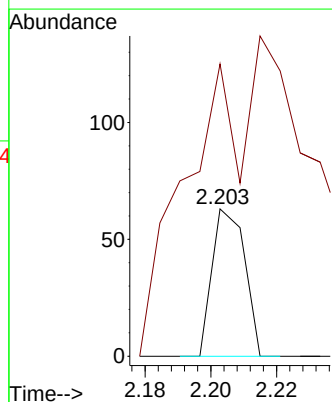
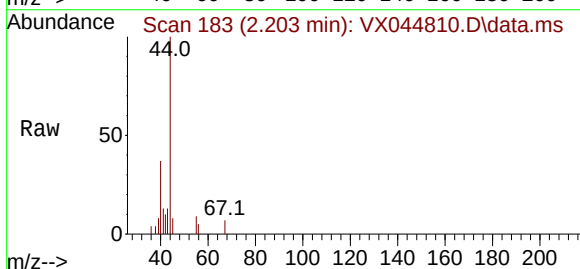
Acq: 03 Feb 2025 13:04

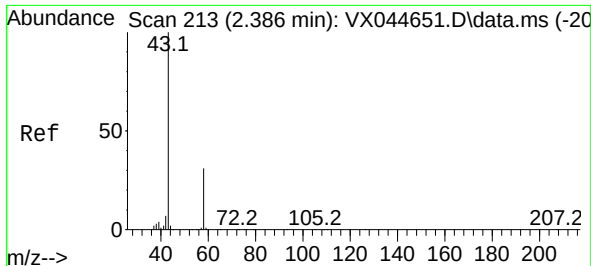
Tgt Ion: 56 Resp: 43

Ion Ratio Lower Upper

56 100

55 865.1 55.1 82.7#





#16

Acetone

Concen: 42.669 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX044810.D

Acq: 03 Feb 2025 13:04

Instrument :

MSVOA_X

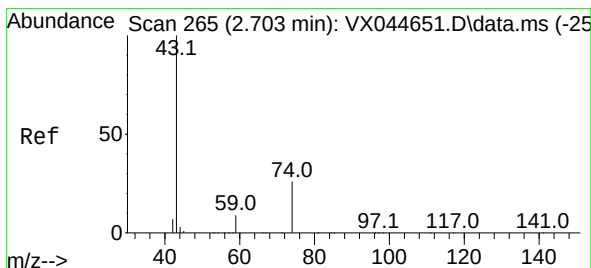
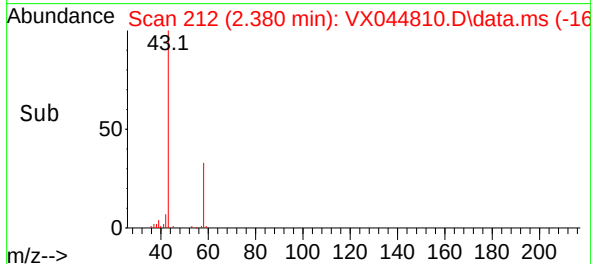
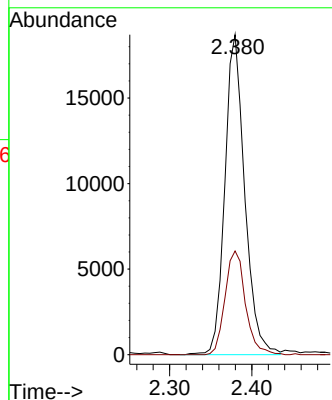
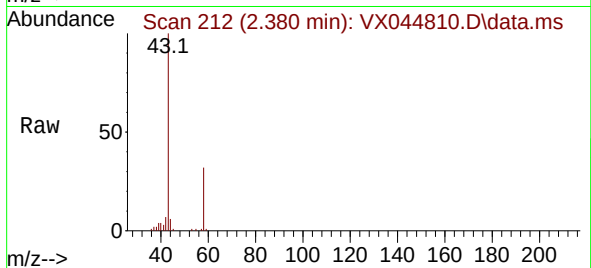
ClientSampleId :

Tgt Ion: 43 Resp: 31398

Ion Ratio Lower Upper

43 100

58 32.4 24.6 37.0



#18

Methyl Acetate

Concen: 2.123 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044810.D

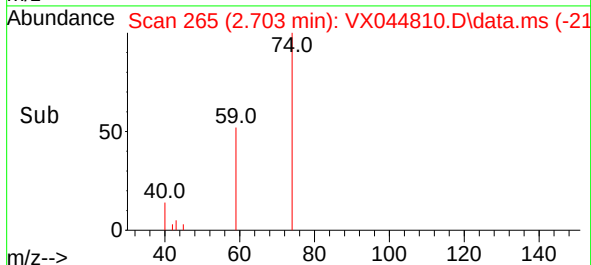
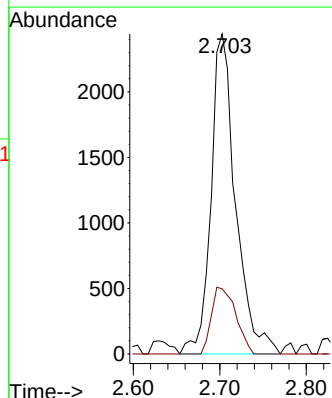
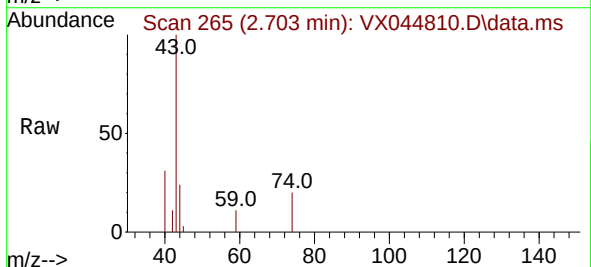
Acq: 03 Feb 2025 13:04

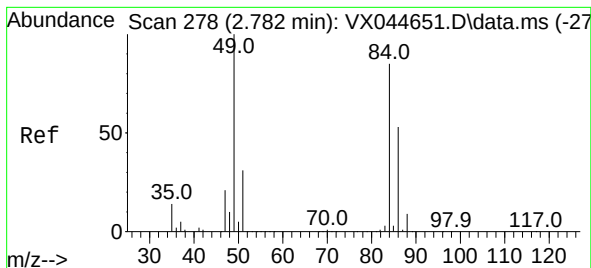
Tgt Ion: 43 Resp: 4820

Ion Ratio Lower Upper

43 100

74 20.5 19.8 29.8





#20

Methylene Chloride

Concen: 1.308 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

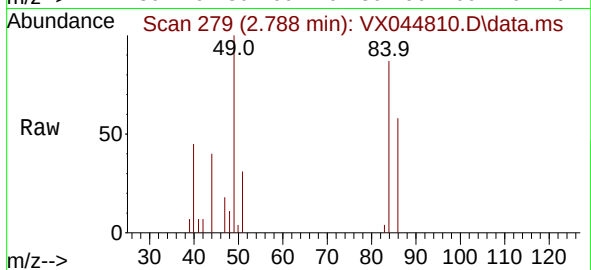
Lab File: VX044810.D

Acq: 03 Feb 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 2241

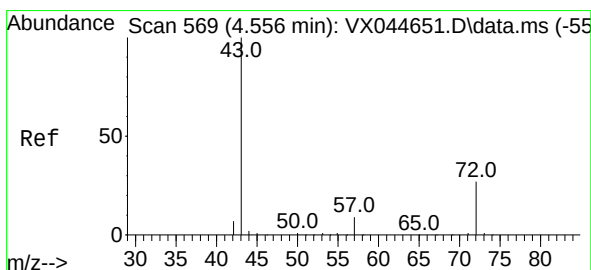
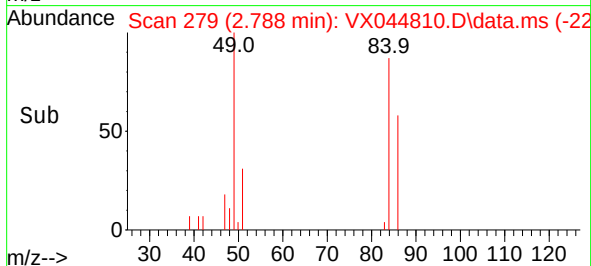
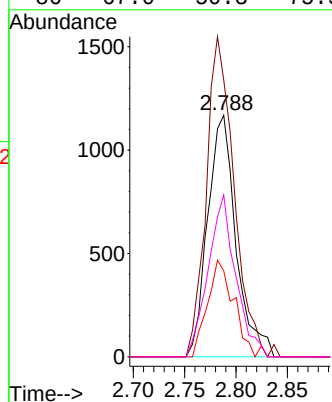
Ion Ratio Lower Upper

84 100

49 114.6 94.2 141.4

51 35.6 28.8 43.2

86 67.0 50.3 75.5



#25

2-Butanone

Concen: 3.869 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.031 min

Lab File: VX044810.D

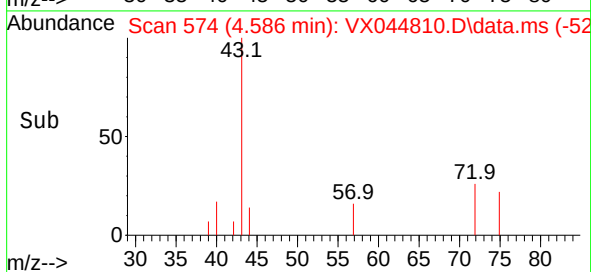
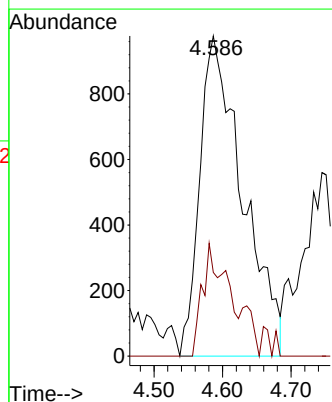
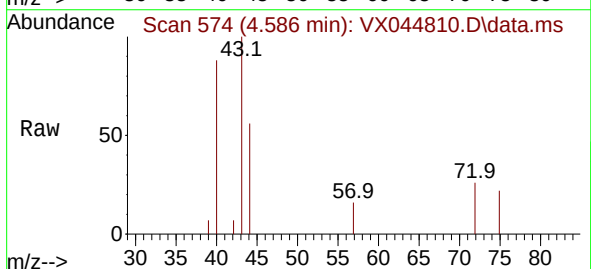
Acq: 03 Feb 2025 13:04

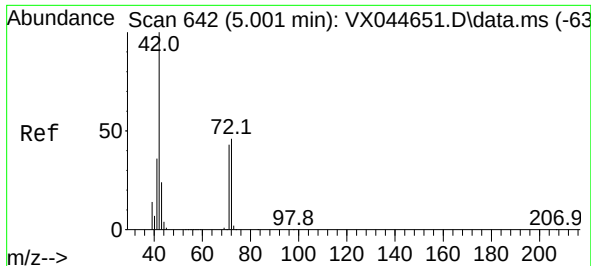
Tgt Ion: 43 Resp: 4233

Ion Ratio Lower Upper

43 100

72 26.1 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.876 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.031 min

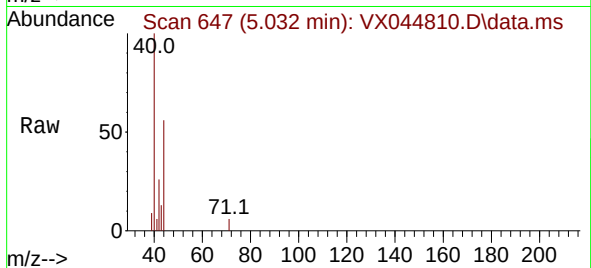
Lab File: VX044810.D

Acq: 03 Feb 2025 13:04

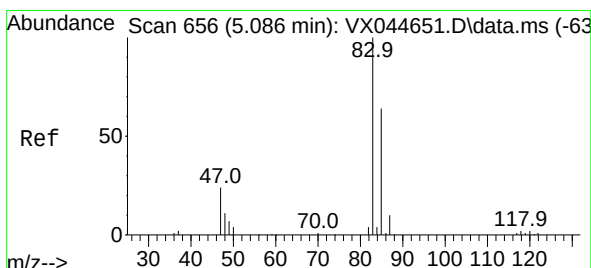
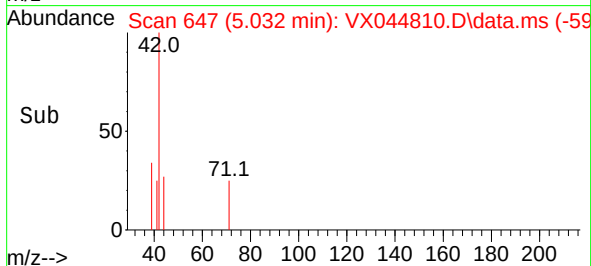
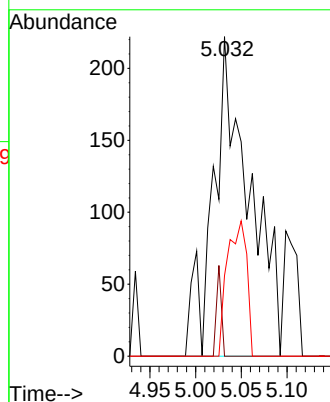
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	618
Ion Ratio	Lower	Upper	
42	100		
72	3.7	38.2	57.4#
71	0.0	35.3	52.9#



#30

Chloroform

Concen: 0.529 ug/l

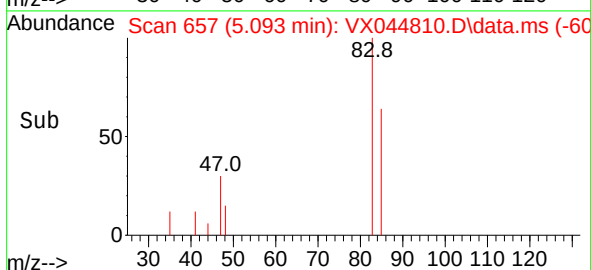
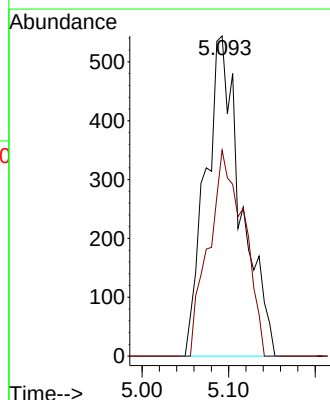
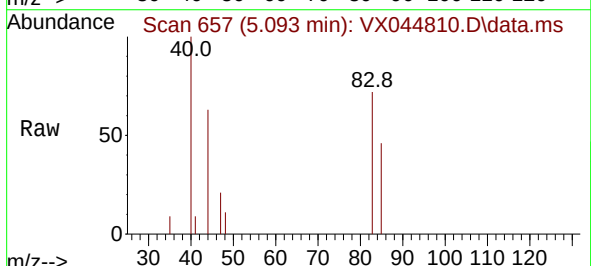
RT: 5.093 min Scan# 657

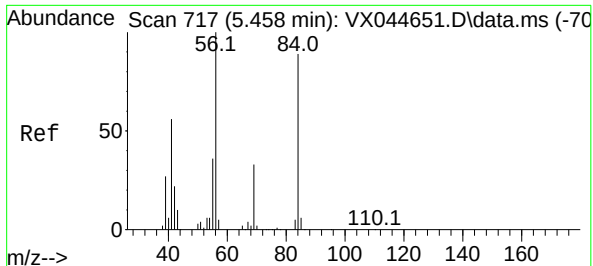
Delta R.T. 0.006 min

Lab File: VX044810.D

Acq: 03 Feb 2025 13:04

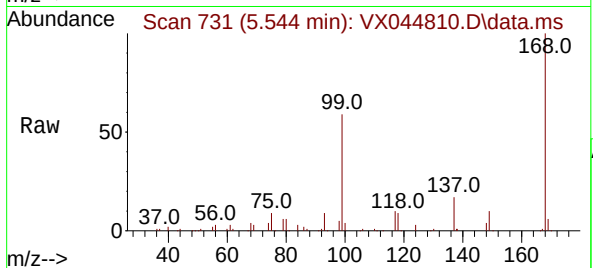
Tgt Ion:	83	Resp:	1545
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.2	76.8



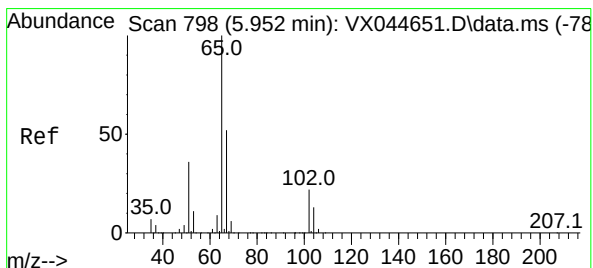
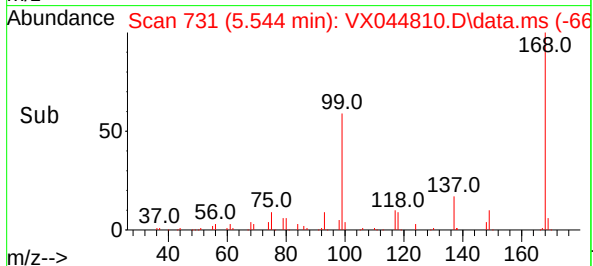
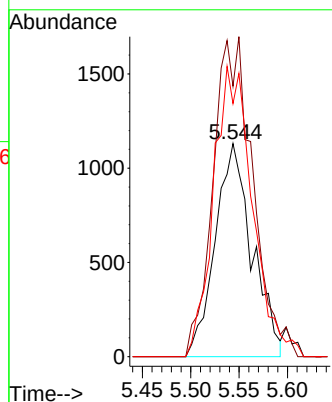


#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :

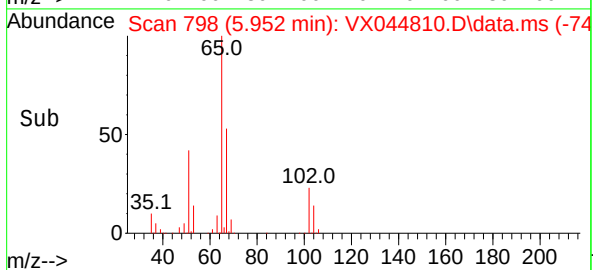
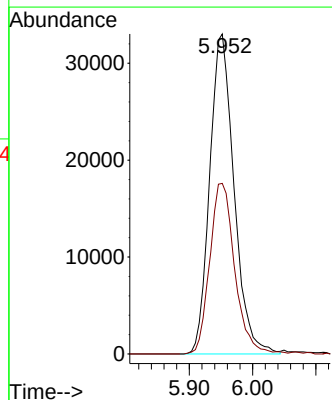
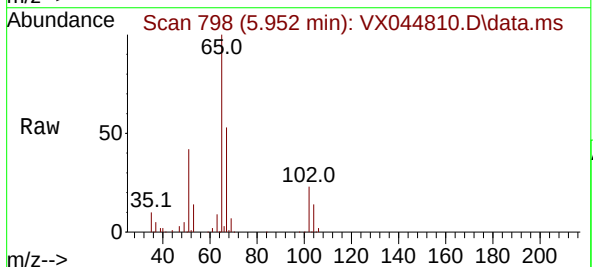


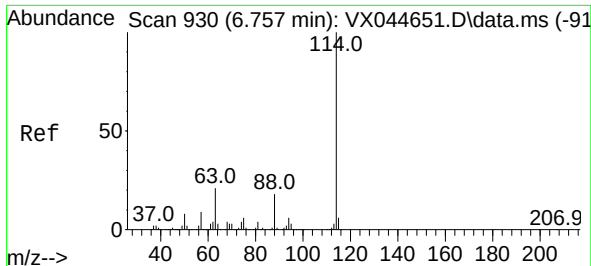
Tgt Ion: 56 Resp: 2995
Ion Ratio Lower Upper
56 100
69 126.9 26.8 40.2#
84 118.7 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 47.482 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

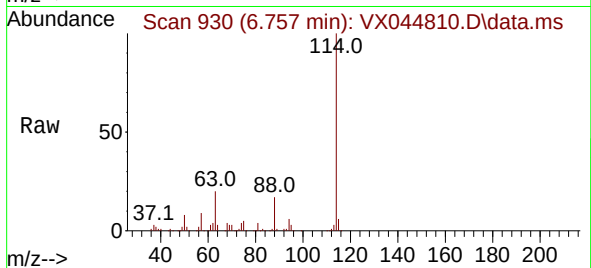
Tgt Ion: 65 Resp: 88313
Ion Ratio Lower Upper
65 100
67 54.7 0.0 103.4



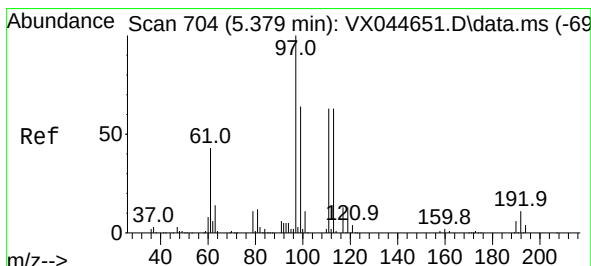
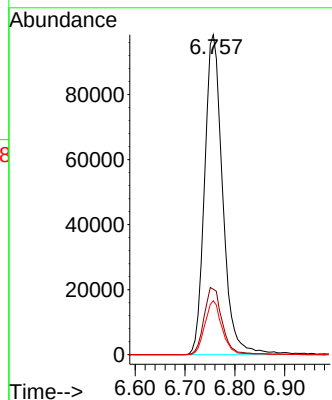
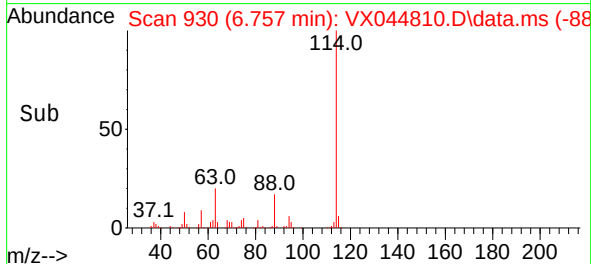


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :

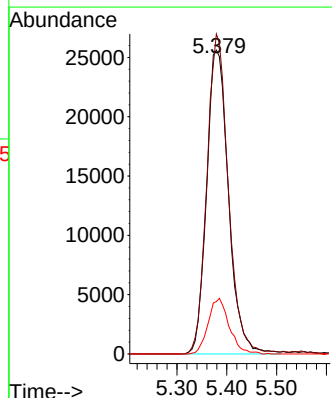
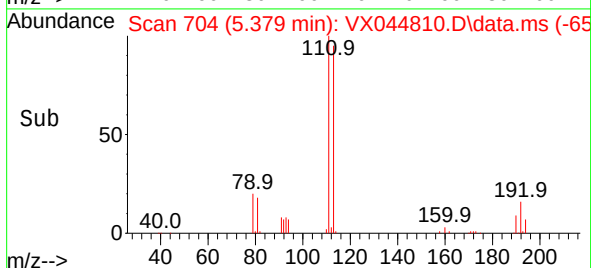
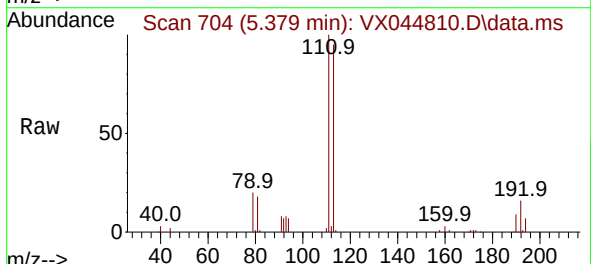


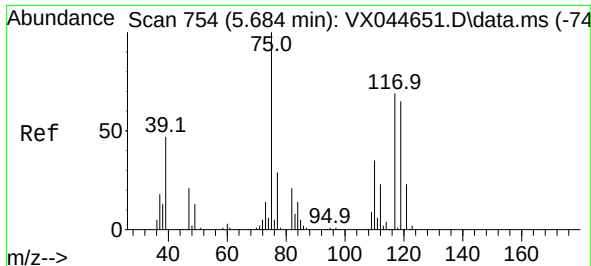
Tgt Ion:114 Resp: 247340
Ion Ratio Lower Upper
114 100
63 20.4 0.0 43.0
88 16.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 49.836 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

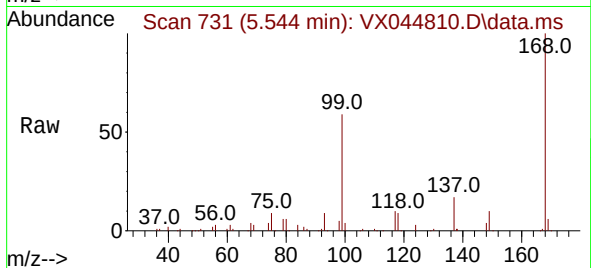
Tgt Ion:113 Resp: 78308
Ion Ratio Lower Upper
113 100
111 102.9 81.6 122.4
192 17.6 14.4 21.6



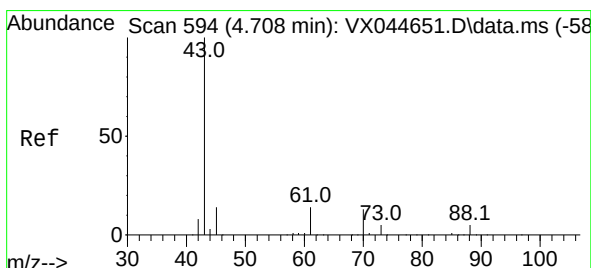
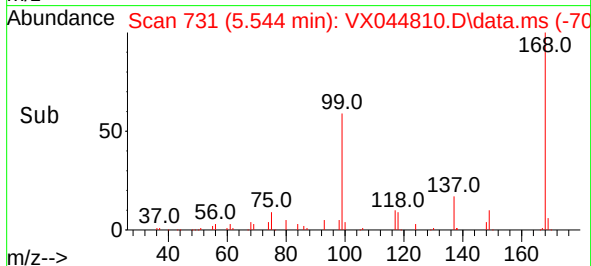
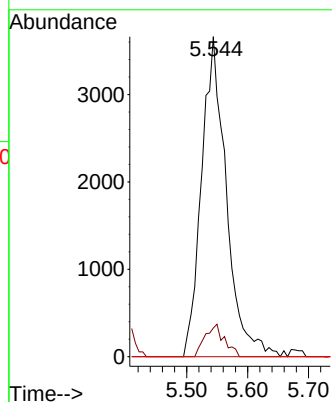


#36
1,1-Dichloropropene
Concen: 4.736 ug/l
RT: 5.544 min Scan# 754
Delta R.T. -0.140 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :

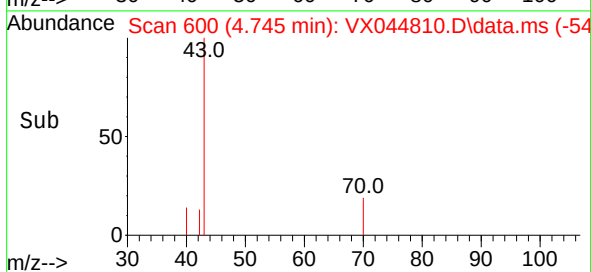
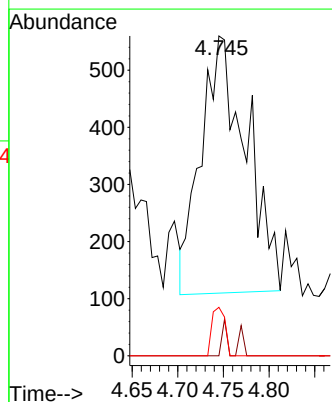
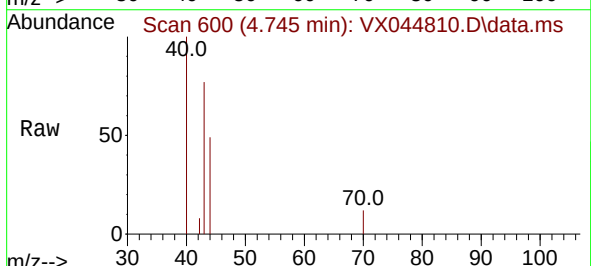


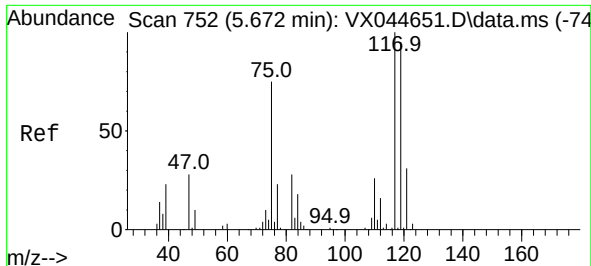
Tgt Ion: 75 Resp: 10360
Ion Ratio Lower Upper
75 100
110 7.9 17.9 53.8#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 0.667 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.037 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

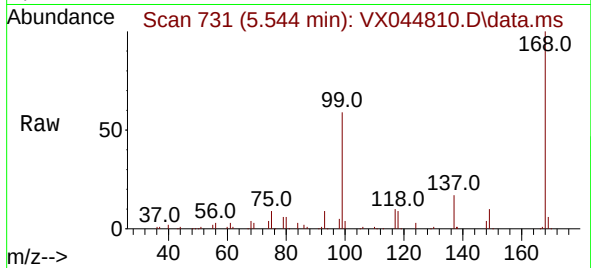
Tgt Ion: 43 Resp: 1553
Ion Ratio Lower Upper
43 100
61 1.5 10.9 16.3#
70 5.4 10.1 15.1#



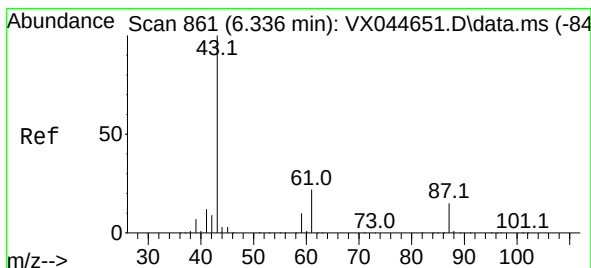
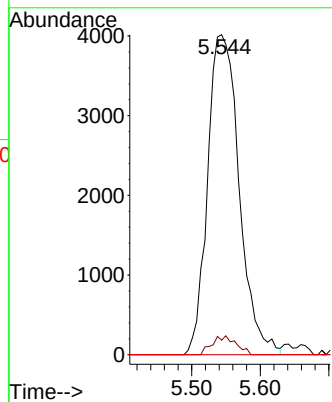
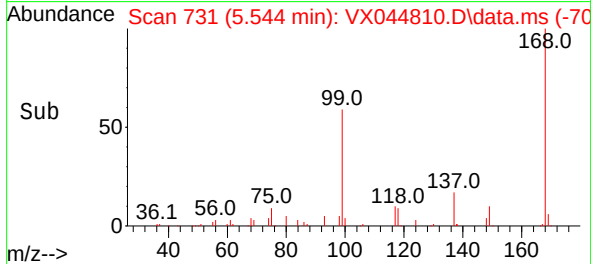


#38
Carbon Tetrachloride
Concen: 5.226 ug/l
RT: 5.544 min Scan# 752
Delta R.T. -0.128 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :

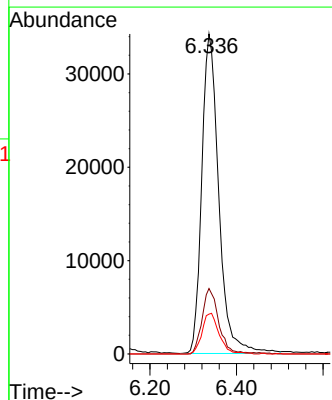
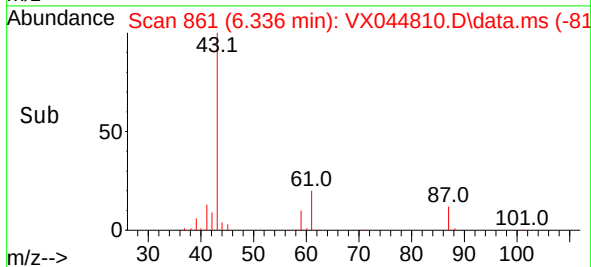
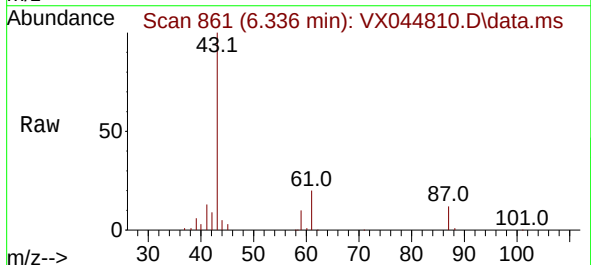


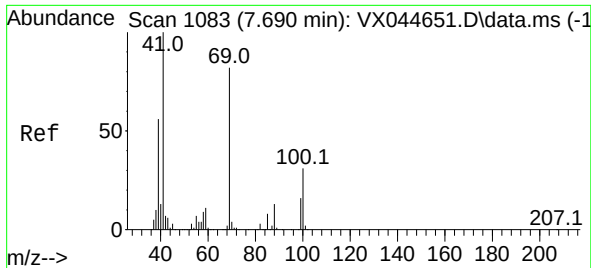
Tgt Ion:117 Resp: 12858
Ion Ratio Lower Upper
117 100
119 4.5 76.0 114.0#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 21.807 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

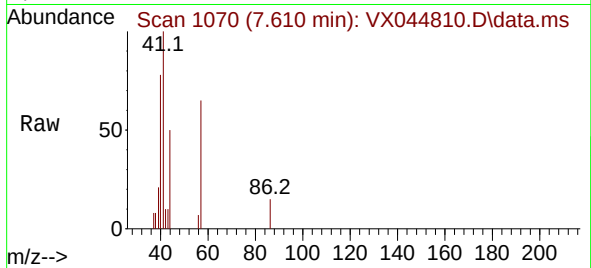
Tgt Ion: 43 Resp: 93445
Ion Ratio Lower Upper
43 100
61 19.9 16.6 24.8
87 12.8 11.0 16.6



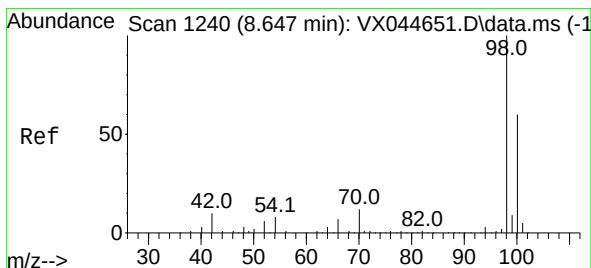
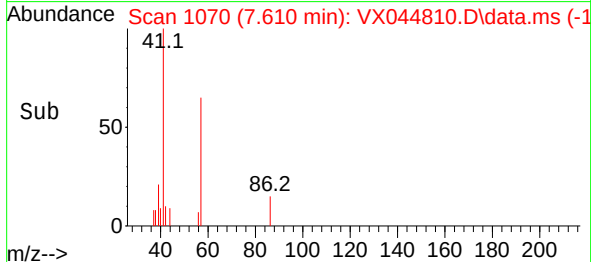
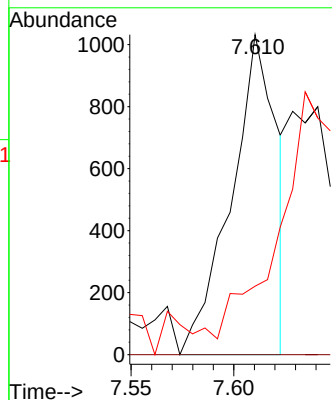


#48
Methyl methacrylate
Concen: 0.803 ug/l
RT: 7.610 min Scan# 1083
Delta R.T. -0.079 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :

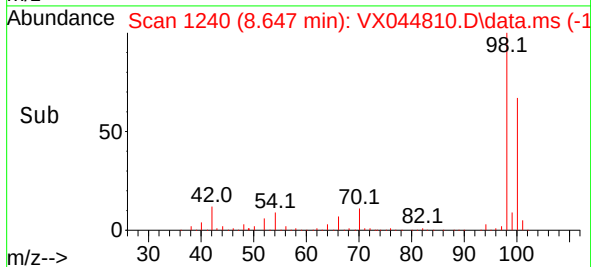
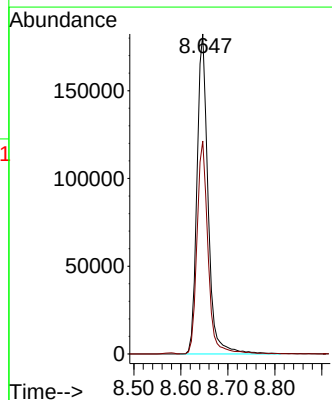
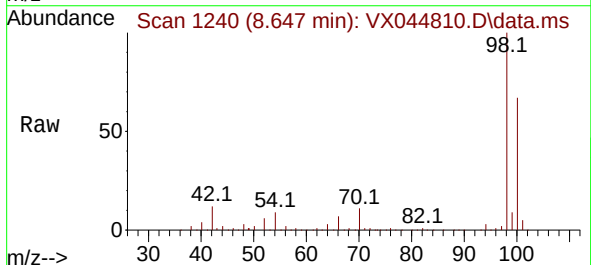


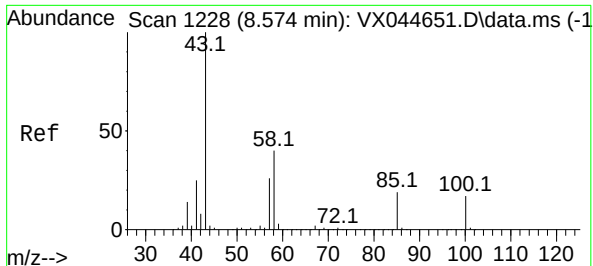
Tgt Ion: 41 Resp: 1598
Ion Ratio Lower Upper
41 100
69 0.0 66.8 100.2#
39 0.0 47.4 71.0#



#50
Toluene-d8
Concen: 54.810 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Tgt Ion: 98 Resp: 300295
Ion Ratio Lower Upper
98 100
100 66.0 53.2 79.8

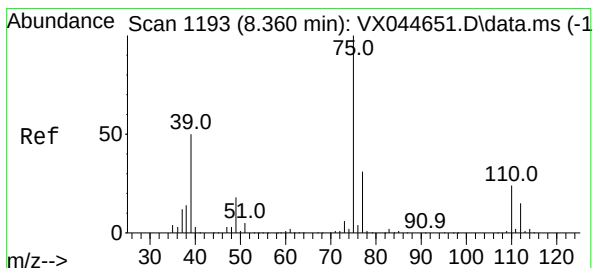
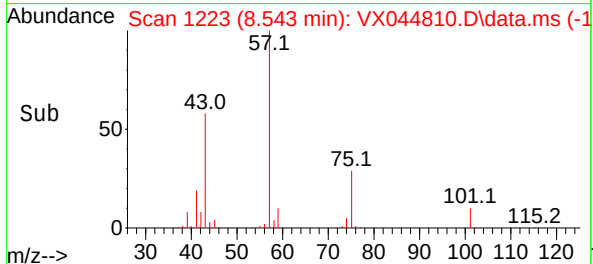
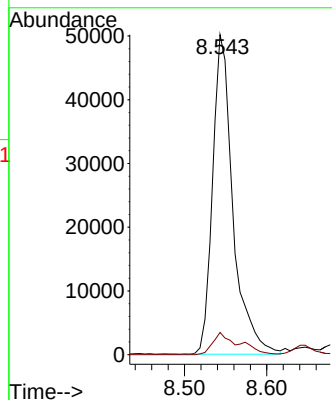
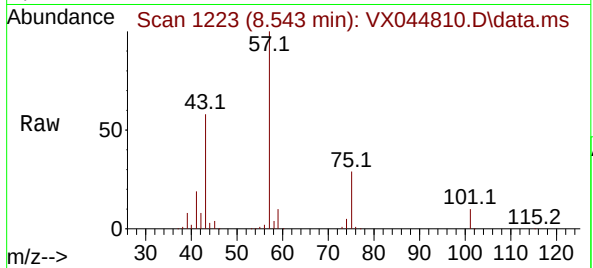




#51
4-Methyl-2-Pentanone
Concen: 36.392 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

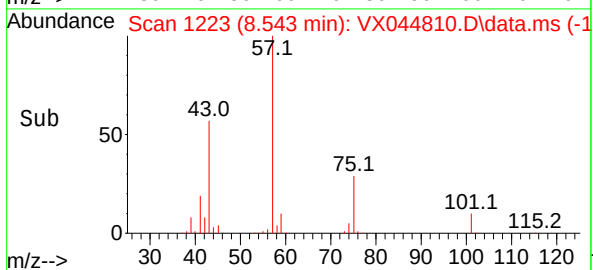
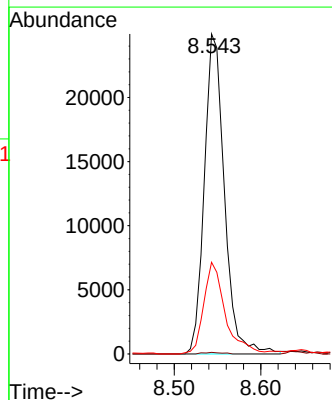
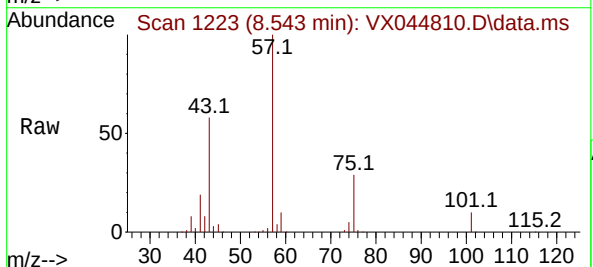
Instrument :
MSVOA_X
ClientSampleId :

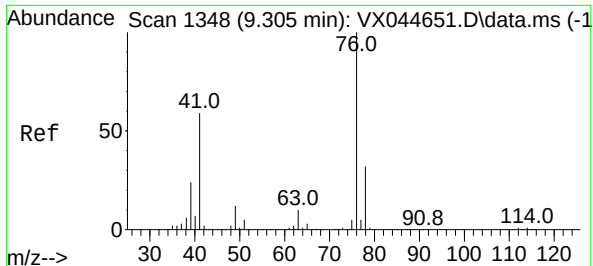
Tgt Ion: 43 Resp: 86177
Ion Ratio Lower Upper
43 100
58 9.0 31.9 47.9#



#54
cis-1,3-Dichloropropene
Concen: 13.480 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.183 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Tgt Ion: 75 Resp: 40224
Ion Ratio Lower Upper
75 100
77 0.5 25.1 37.7#
39 28.7 40.3 60.5#





#57

1,3-Dichloropropane

Concen: 1.104 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX044810.D

Acq: 03 Feb 2025 13:04

Instrument :

MSVOA_X

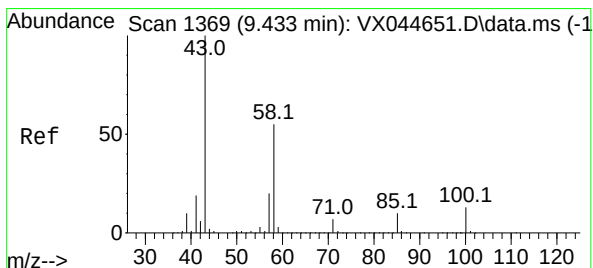
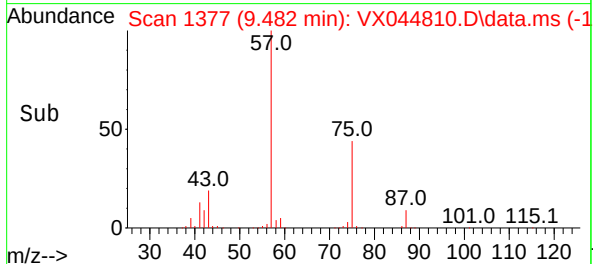
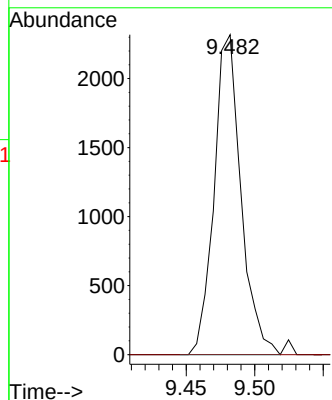
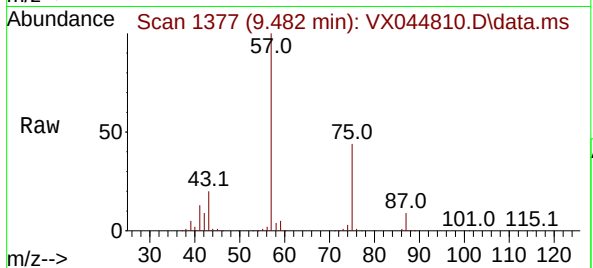
ClientSampleId :

Tgt Ion: 76 Resp: 3156

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 24.213 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX044810.D

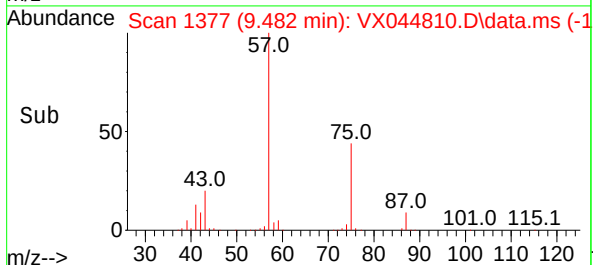
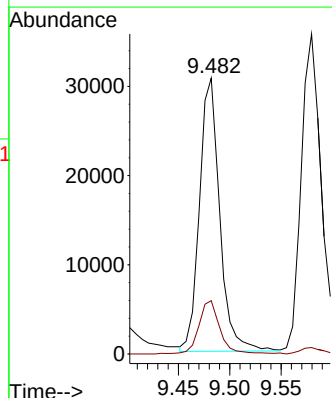
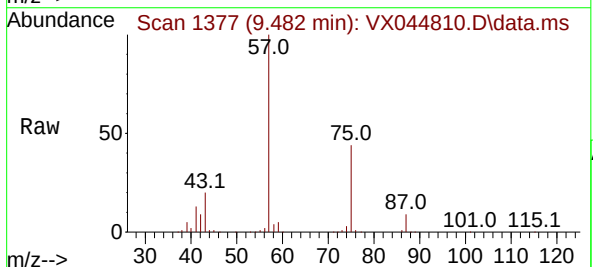
Acq: 03 Feb 2025 13:04

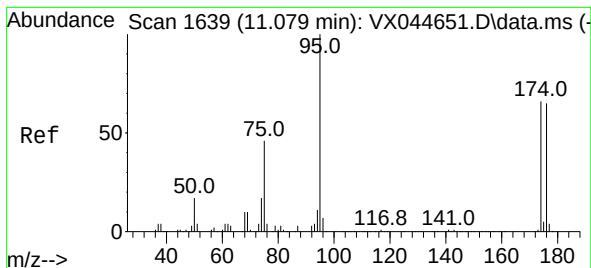
Tgt Ion: 43 Resp: 42183

Ion Ratio Lower Upper

43 100

58 20.4 27.8 83.3#

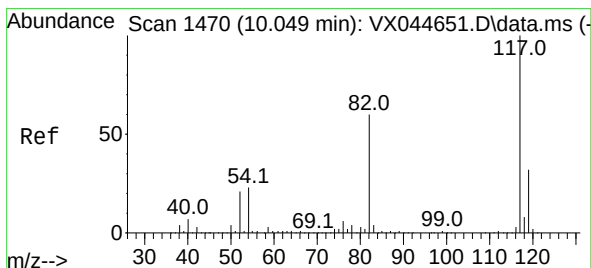
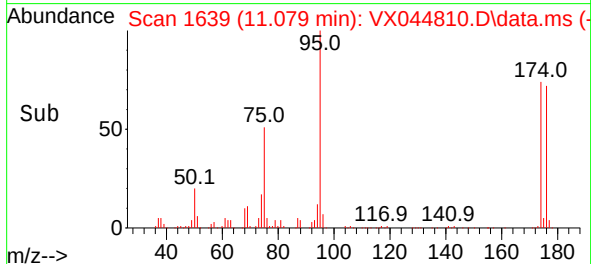
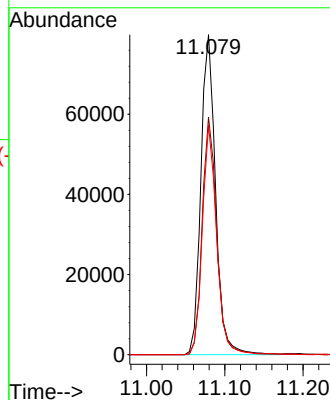
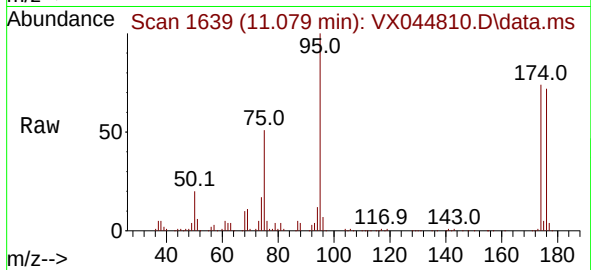




#62
4-Bromofluorobenzene
Concen: 50.932 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

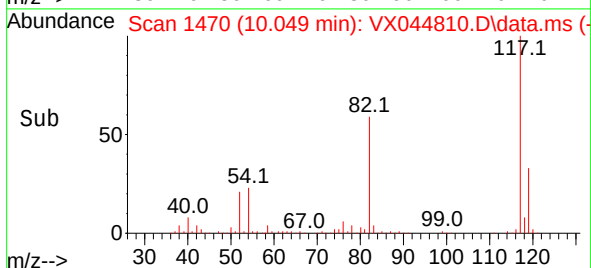
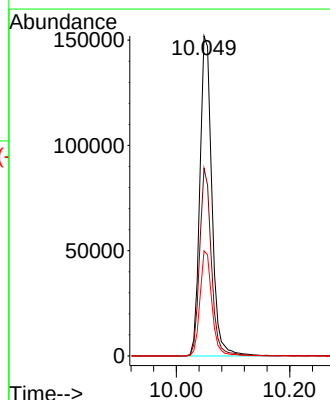
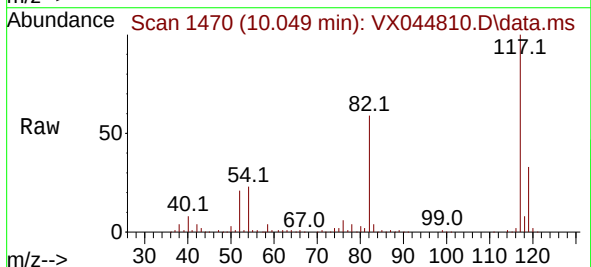
Instrument :
MSVOA_X
ClientSampleId :

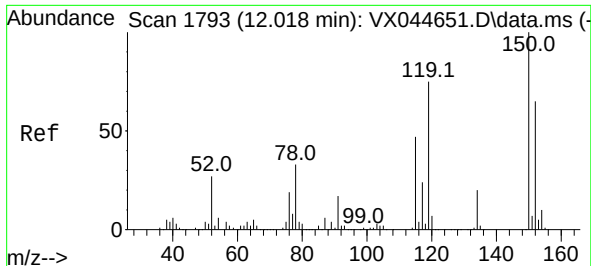
Tgt Ion: 95 Resp: 104027
Ion Ratio Lower Upper
95 100
174 73.6 0.0 133.0
176 69.6 0.0 129.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

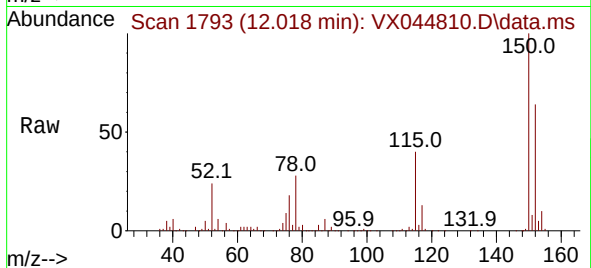
Tgt Ion: 117 Resp: 223027
Ion Ratio Lower Upper
117 100
82 58.6 47.6 71.4
119 32.9 25.4 38.2



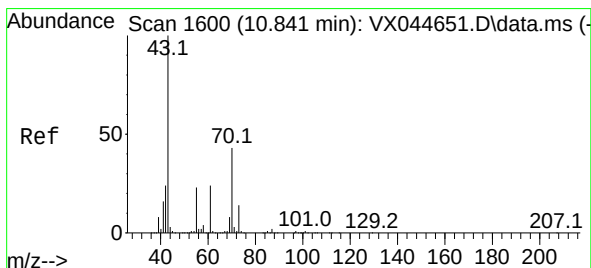
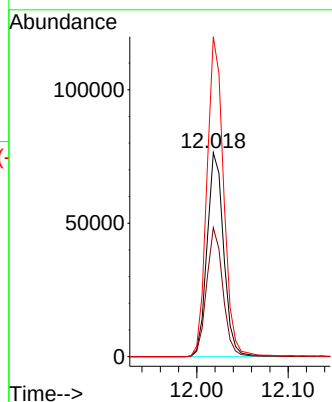
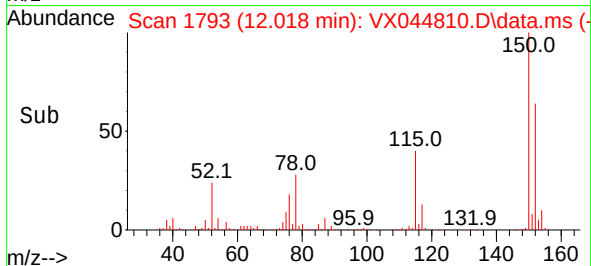


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

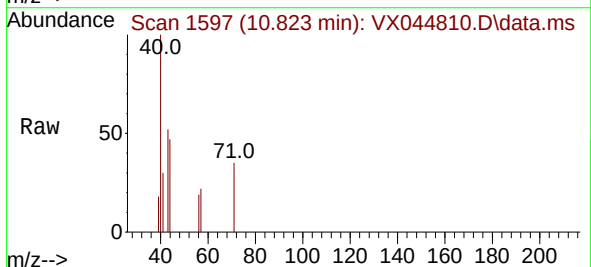
Instrument :
MSVOA_X
ClientSampleId :



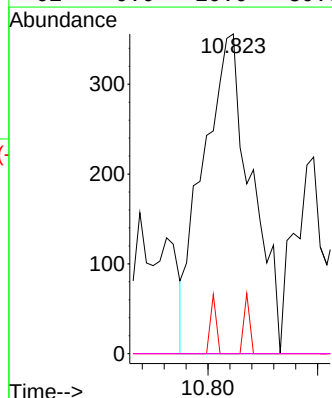
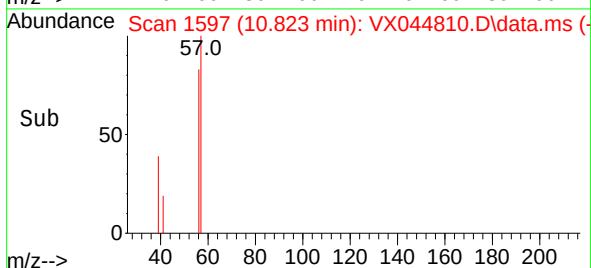
Tgt Ion:152 Resp: 96275
Ion Ratio Lower Upper
152 100
115 62.3 43.8 131.4
150 157.8 0.0 347.8

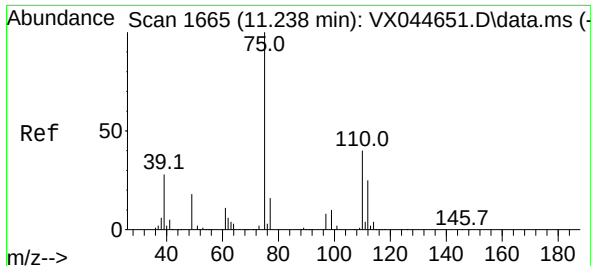


#74
N-ethyl acetate
Concen: 0.281 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.018 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04



Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
70 0.0 35.2 52.8#
55 2.3 19.0 28.4#
61 0.0 20.0 30.0#

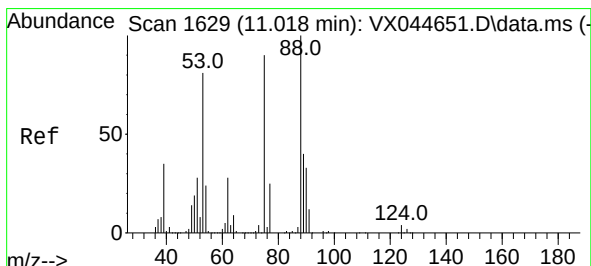
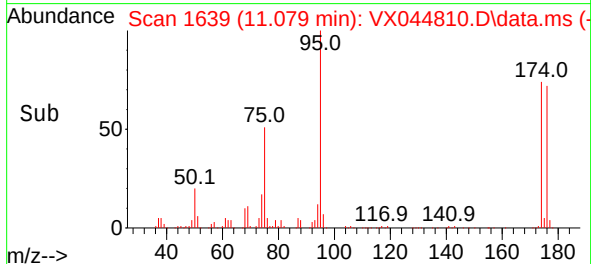
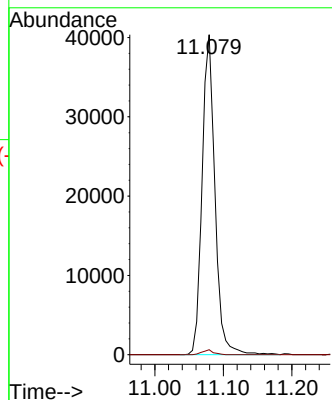
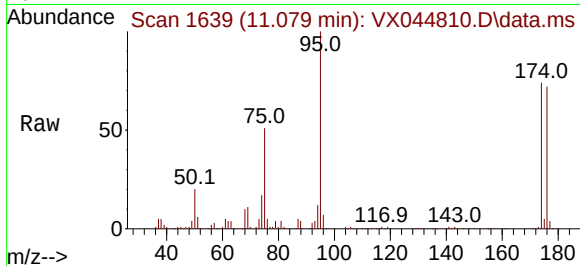




#76
1,2,3-Trichloropropane
Concen: 22.614 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 52837
Ion Ratio Lower Upper
75 100
77 1.3 23.4 70.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044810.D
Acq: 03 Feb 2025 13:04

Tgt Ion: 75 Resp: 52837
Ion Ratio Lower Upper
75 100
53 0.0 74.3 111.5#
89 0.0 37.4 56.0#

