

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100324\
 Data File : VX043266.D
 Acq On : 03 Oct 2024 16:45
 Operator : JC/MD
 Sample : P4263-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 01:34:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

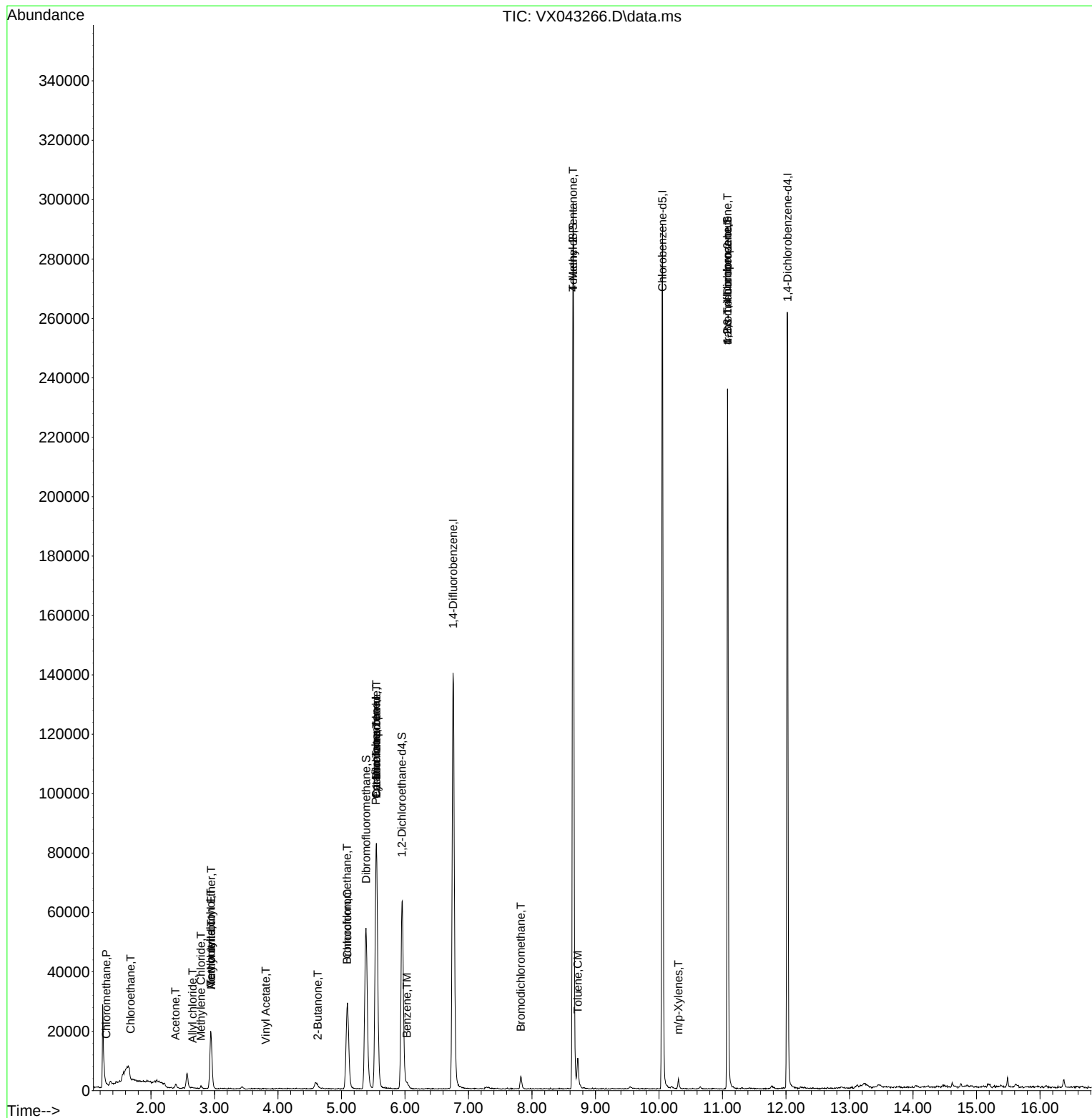
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	77122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145209	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65028	51.629	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.260%	
35) Dibromofluoromethane	5.385	113	47859	47.791	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.580%	
50) Toluene-d8	8.647	98	173702	50.053	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.100%	
62) 4-Bromofluorobenzene	11.079	95	62736	49.760	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.520%	
Target Compounds						Qvalue
3) Chloromethane	1.295	50	191	0.207	ug/l #	42
6) Chloroethane	1.679	64	306	0.888	ug/l #	42
11) Tert butyl alcohol	2.941	59	11309	47.184	ug/l #	75
14) Allyl chloride	2.654	41	363	0.258	ug/l #	77
15) Acrylonitrile	2.947	53	253	0.517	ug/l #	16
16) Acetone	2.386	43	1697	3.226	ug/l #	86
19) Methyl tert-butyl Ether	2.947	73	668	0.218	ug/l #	71
20) Methylene Chloride	2.788	84	430	0.443	ug/l #	84
23) Vinyl Acetate	3.806	43	41	6.352	ug/l #	71
25) 2-Butanone	4.623	43	613	0.850	ug/l #	49
28) Bromochloromethane	5.087	49	2992	4.598	ug/l #	10
30) Chloroform	5.093	83	34658	19.132	ug/l	95
31) Cyclohexane	5.550	56	1852	1.363	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	6591	5.210	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8476	5.659	ug/l #	15
40) Benzene	6.032	78	1654	0.431	ug/l	95
47) Bromodichloromethane	7.824	83	3119	2.103	ug/l #	94
51) 4-Methyl-2-Pentanone	8.647	43	945	0.620	ug/l #	1
52) Toluene	8.720	92	3925	1.633	ug/l	99
68) m/p-Xylenes	10.305	106	899	0.491	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	35238	29.146	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	35238	75.537	ug/l #	8

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

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Quant Time: Oct 04 01:34:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.006 min MSVOA_X

Lab File: VX043266.D

Acq: 03 Oct 2024 16:45

Instrument :

MSVOA_X

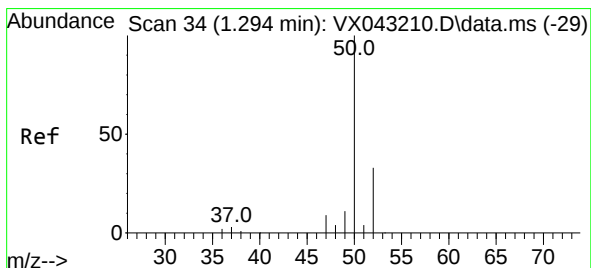
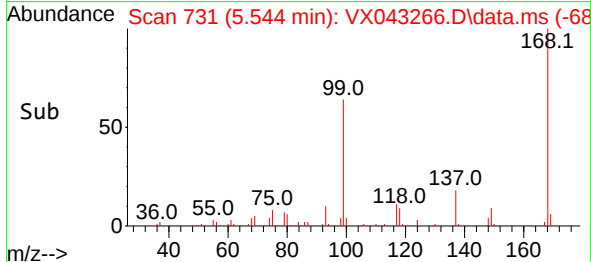
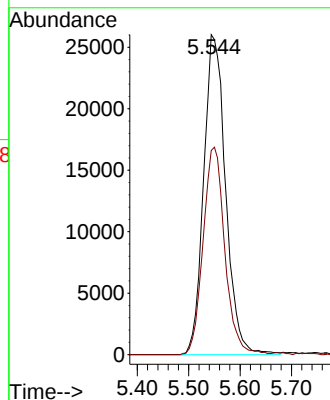
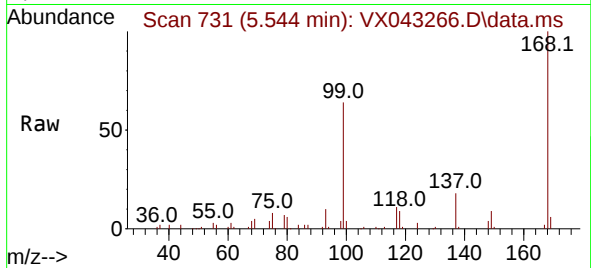
ClientSampleId :

Tgt Ion:168 Resp: 77122

Ion Ratio Lower Upper

168 100

99 63.8 49.7 74.5



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX043266.D

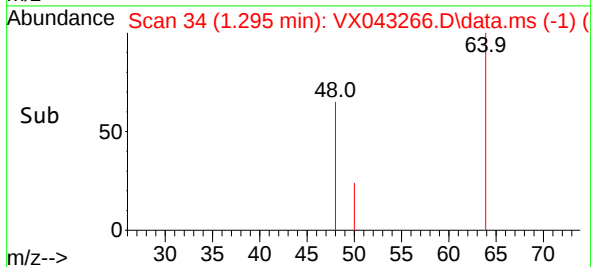
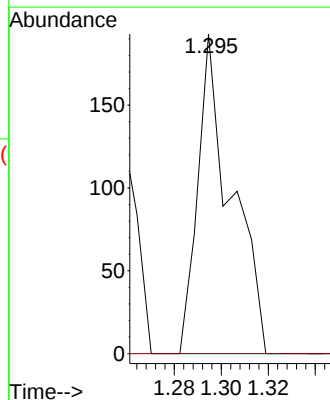
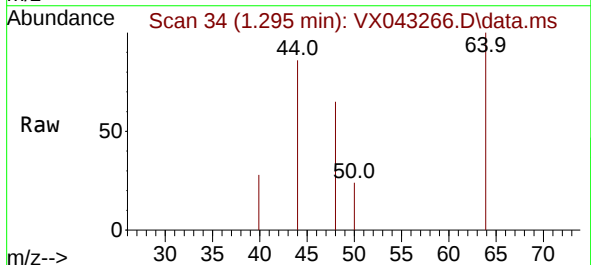
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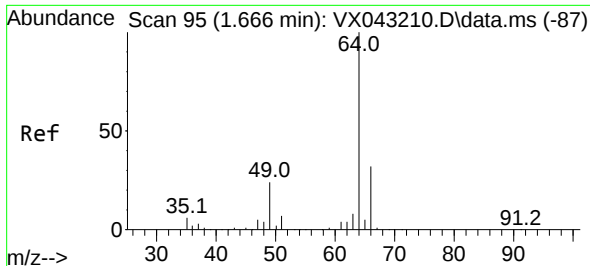
Tgt Ion: 50 Resp: 191

Ion Ratio Lower Upper

50 100

52 0.0 26.1 39.1#

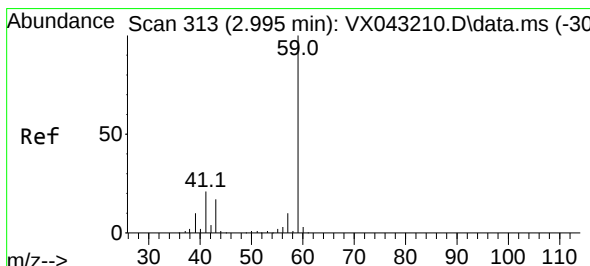
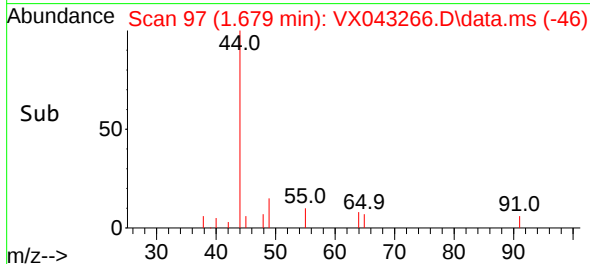
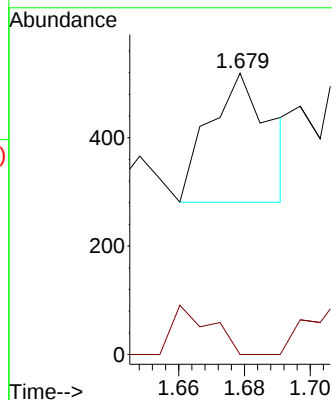
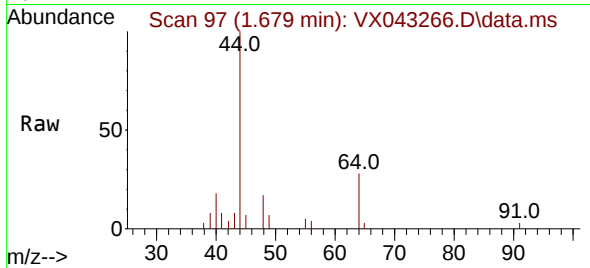




#6
Chloroethane
Concen: 0.888 ug/l
RT: 1.679 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

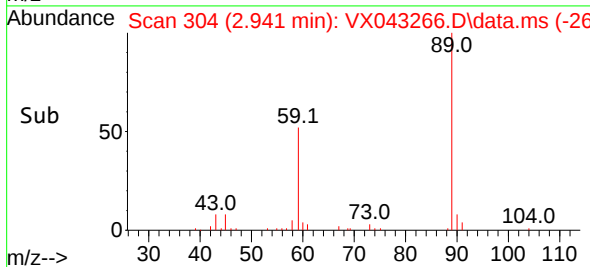
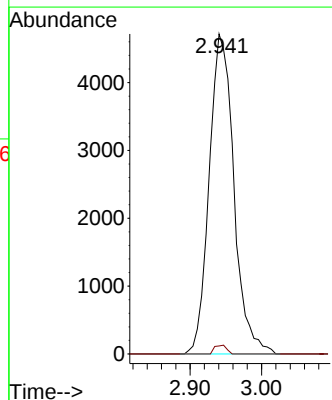
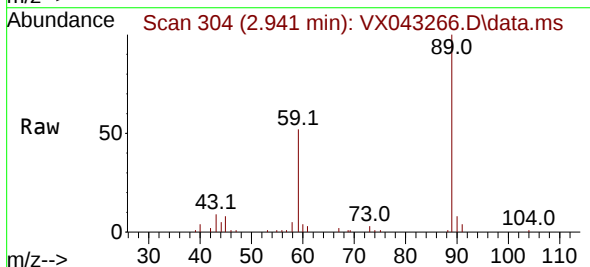
Instrument :
MSVOA_X
ClientSampleId :

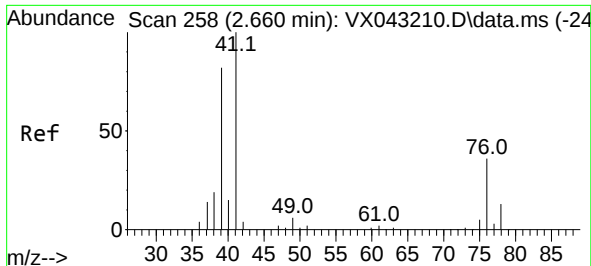
Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 47.184 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

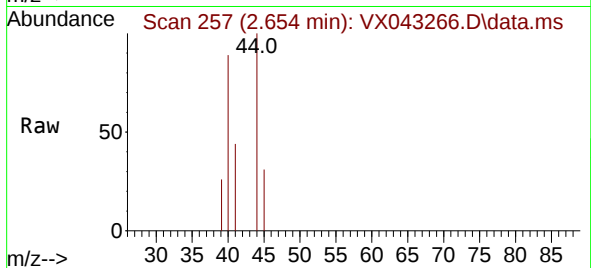
Tgt Ion: 59 Resp: 11309
Ion Ratio Lower Upper
59 100
57 1.4 8.6 13.0#



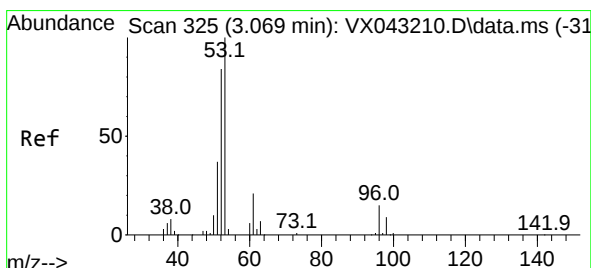
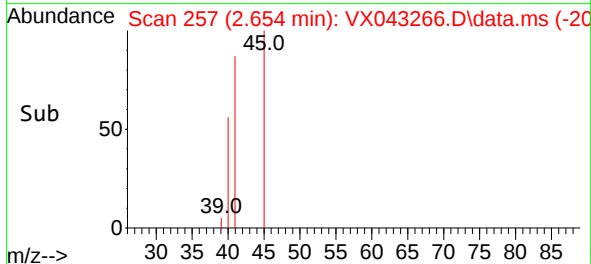
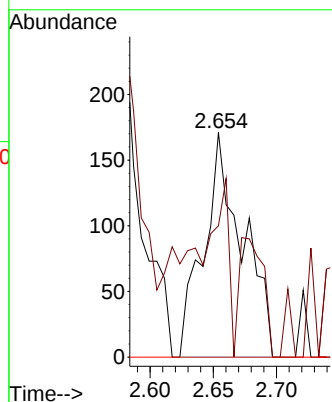


#14
 Allyl chloride
 Concen: 0.258 ug/l
 RT: 2.654 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VX043266.D
 Acq: 03 Oct 2024 16:45

Instrument :
 MSVOA_X
 ClientSampleId :

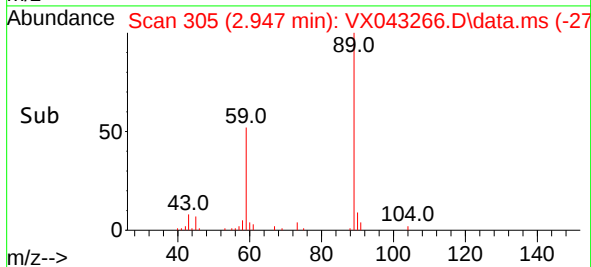
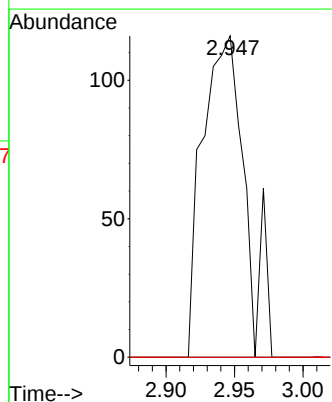
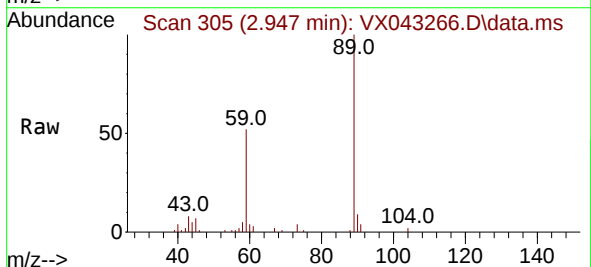


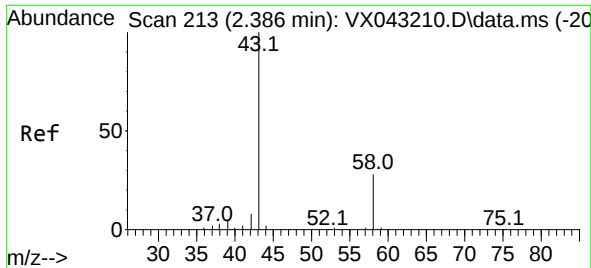
Tgt Ion: 41 Resp: 363
 Ion Ratio Lower Upper
 41 100
 39 72.5 61.7 92.5
 76 0.0 28.6 43.0#



#15
 Acrylonitrile
 Concen: 0.517 ug/l
 RT: 2.947 min Scan# 305
 Delta R.T. -0.122 min
 Lab File: VX043266.D
 Acq: 03 Oct 2024 16:45

Tgt Ion: 53 Resp: 253
 Ion Ratio Lower Upper
 53 100
 52 0.0 67.6 101.4#
 51 0.0 30.3 45.5#

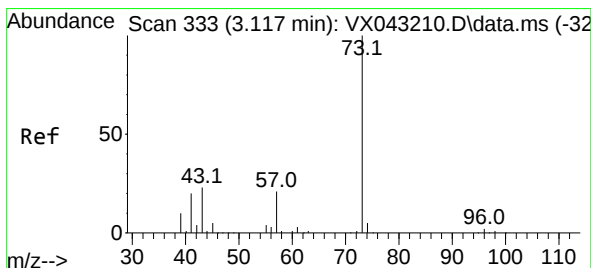
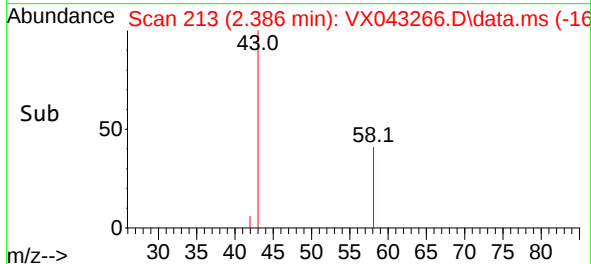
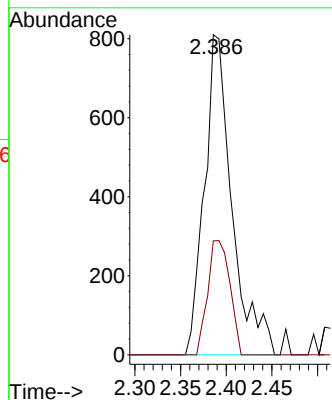
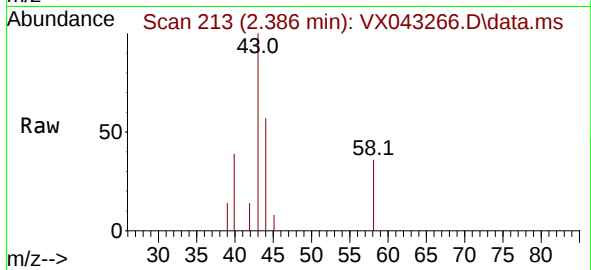




#16
Acetone
Concen: 3.226 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

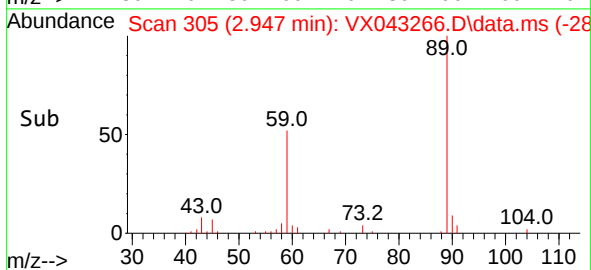
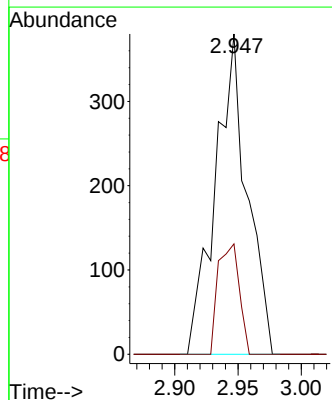
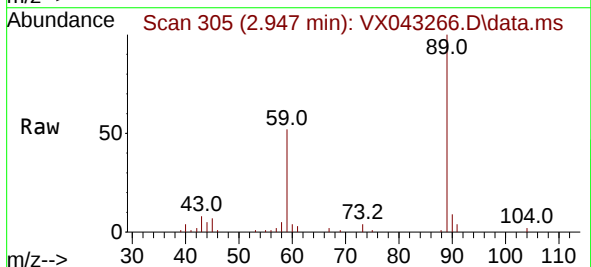
Instrument :
MSVOA_X
ClientSampleId :

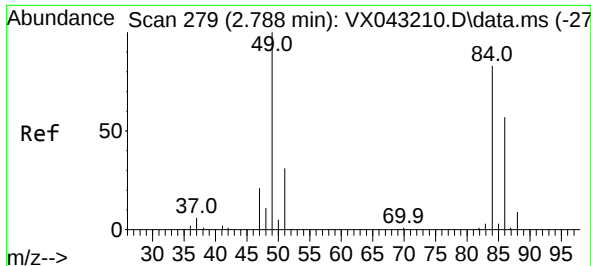
Tgt Ion: 43 Resp: 1697
Ion Ratio Lower Upper
43 100
58 35.6 22.6 33.8#



#19
Methyl tert-butyl Ether
Concen: 0.218 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.170 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

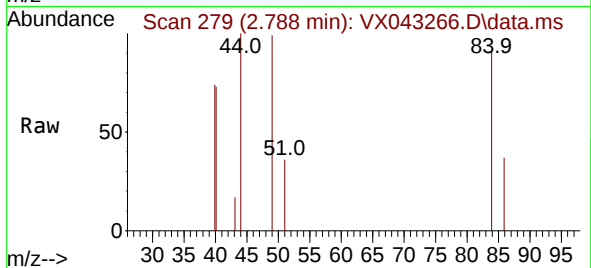
Tgt Ion: 73 Resp: 668
Ion Ratio Lower Upper
73 100
57 34.5 16.7 25.1#



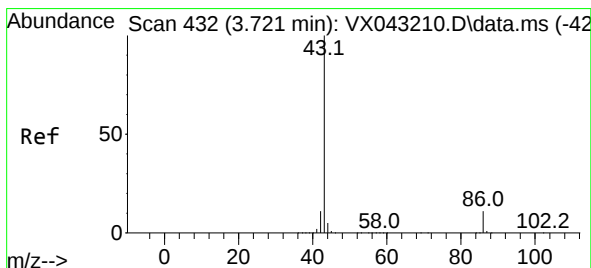
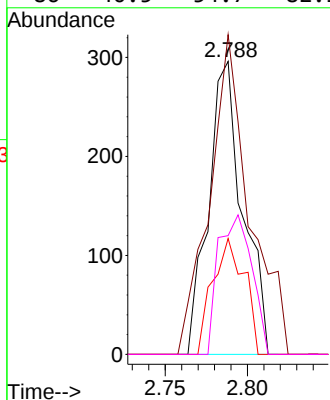
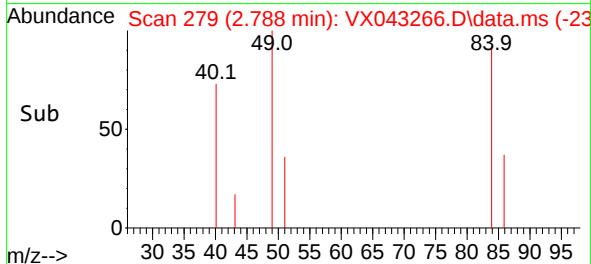


#20
Methylene Chloride
Concen: 0.443 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

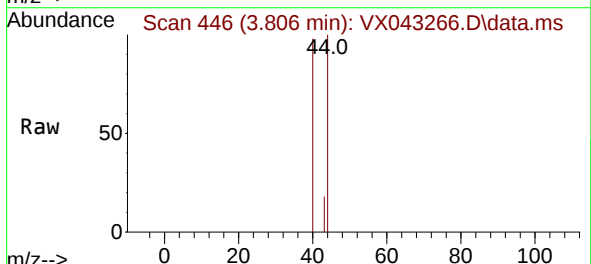
Instrument :
MSVOA_X
ClientSampleId :



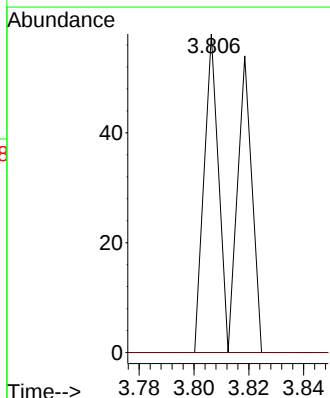
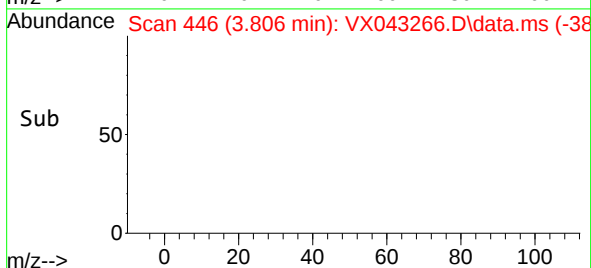
Tgt Ion: 84	Resp: 430
Ion Ratio	Lower Upper
84 100	
49 109.1	96.7 145.1
51 39.5	30.4 45.6
86 40.5	54.7 82.1#

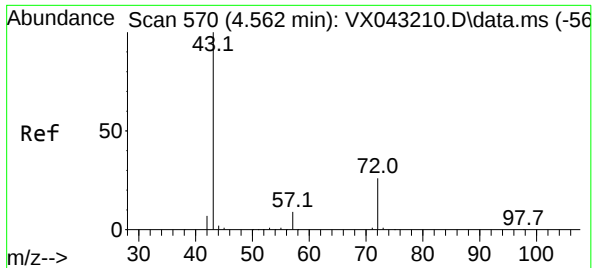


#23
Vinyl Acetate
Concen: 6.352 ug/l
RT: 3.806 min Scan# 446
Delta R.T. 0.085 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45



Tgt Ion: 43	Resp: 41
Ion Ratio	Lower Upper
43 100	
86 0.0	8.8 13.2#

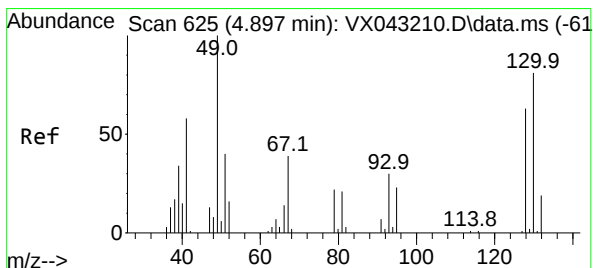
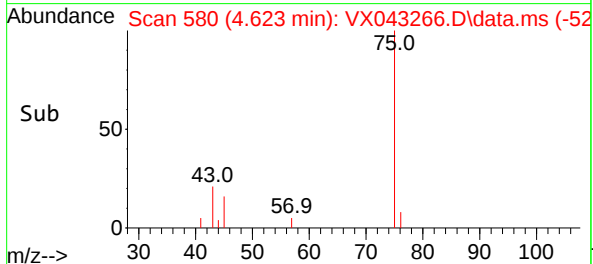
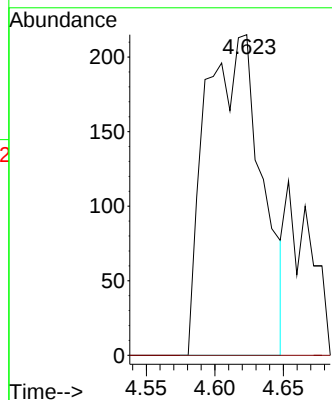
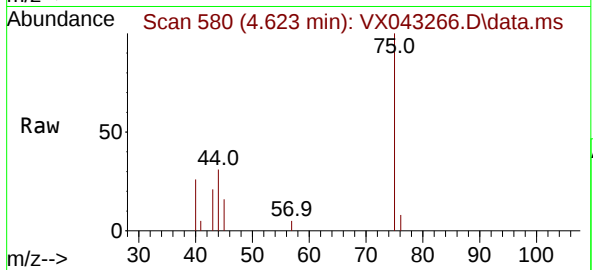




#25
2-Butanone
Concen: 0.850 ug/l
RT: 4.623 min Scan# 51
Delta R.T. 0.061 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

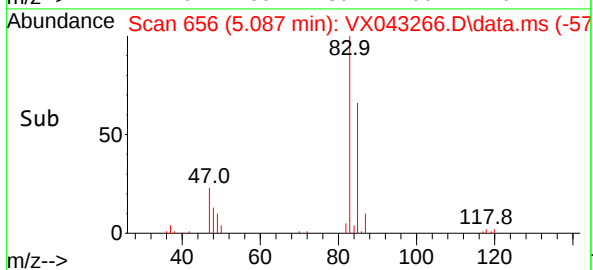
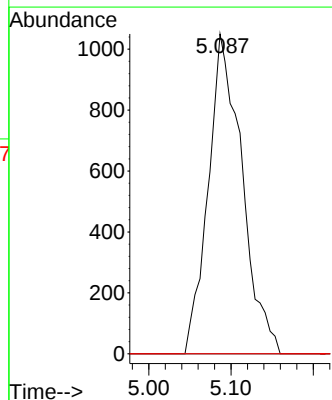
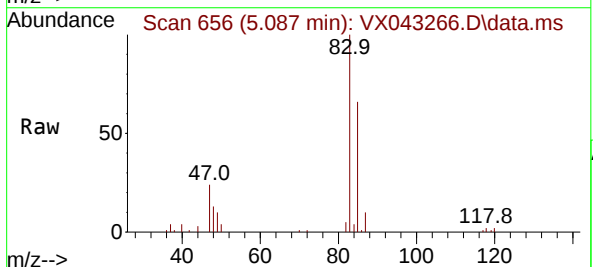
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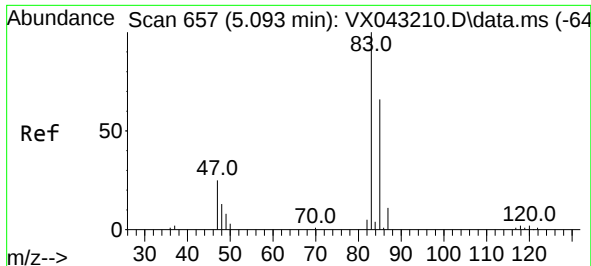
Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



#28
Bromochloromethane
Concen: 4.598 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.189 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

Tgt Ion: 49 Resp: 2992
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 65.5 98.3#

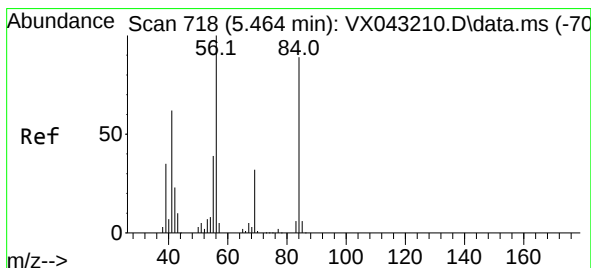
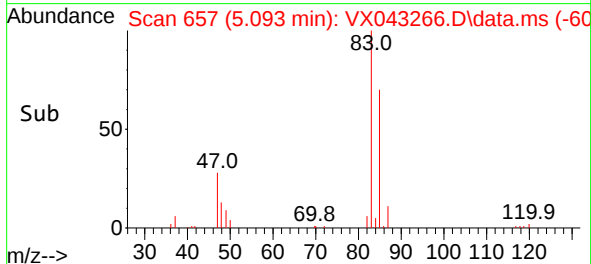
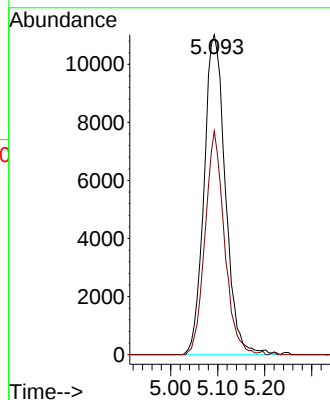
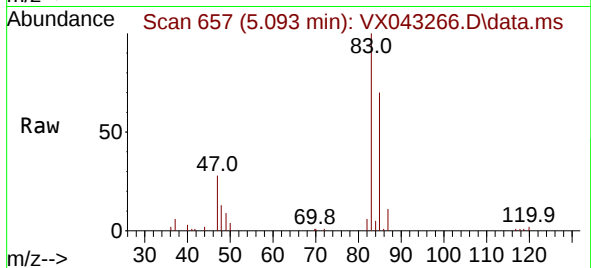




#30
Chloroform
Concen: 19.132 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

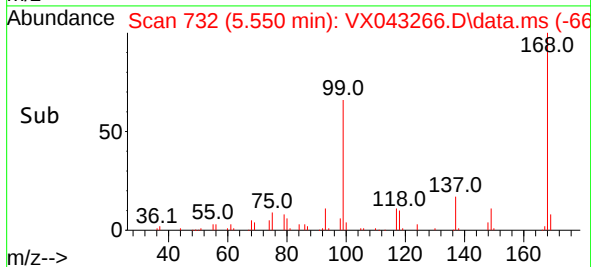
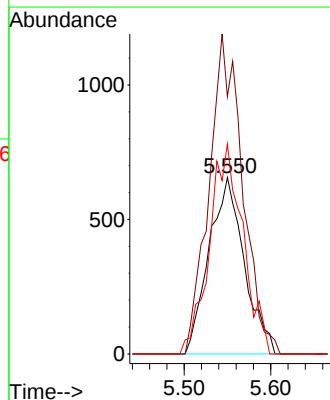
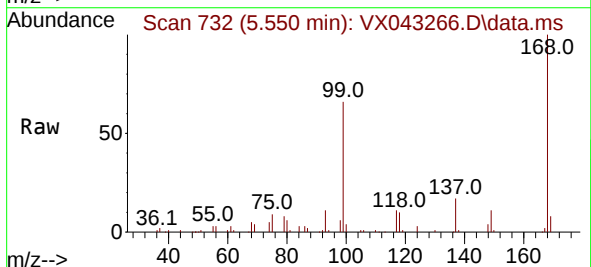
Instrument :
MSVOA_X
ClientSampleId :

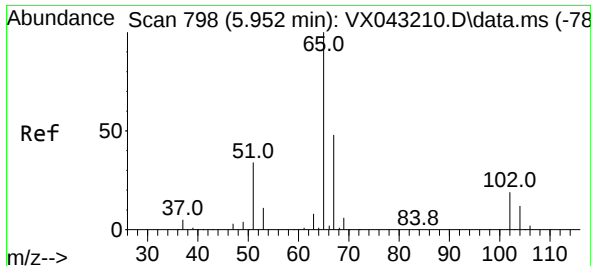
Tgt Ion: 83 Resp: 34658
Ion Ratio Lower Upper
83 100
85 69.9 52.5 78.7



#31
Cyclohexane
Concen: 1.363 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

Tgt Ion: 56 Resp: 1852
Ion Ratio Lower Upper
56 100
69 145.9 25.8 38.6#
84 119.1 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 51.629 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043266.D

Acq: 03 Oct 2024 16:45

Instrument :

MSVOA_X

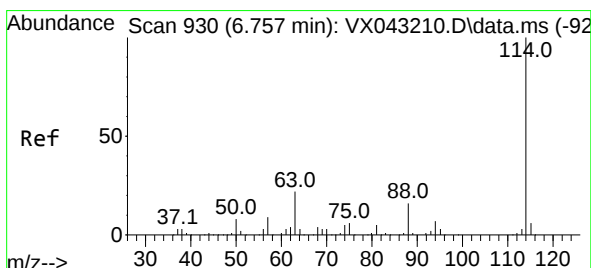
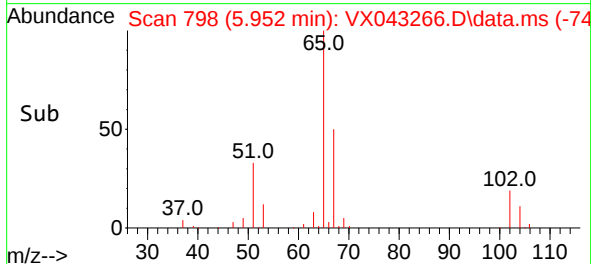
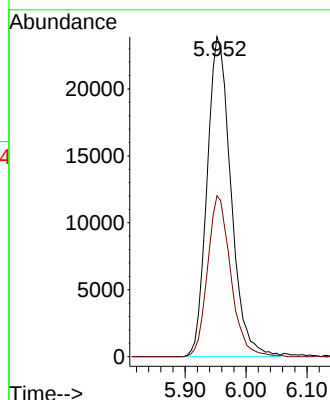
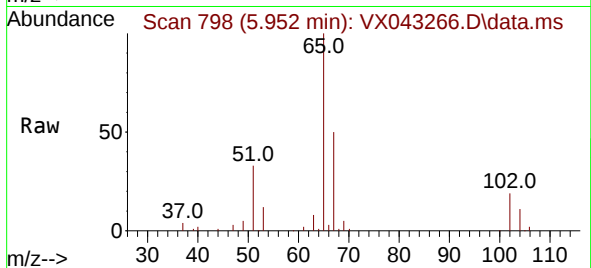
ClientSampleId :

Tgt Ion: 65 Resp: 65028

Ion Ratio Lower Upper

65 100

67 49.0 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043266.D

Acq: 03 Oct 2024 16:45

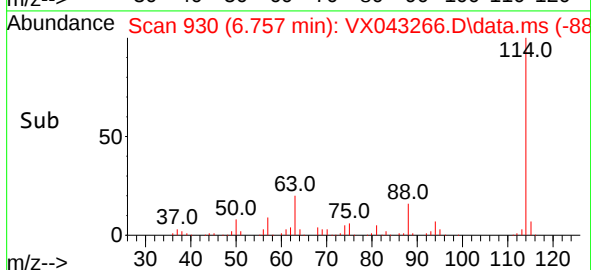
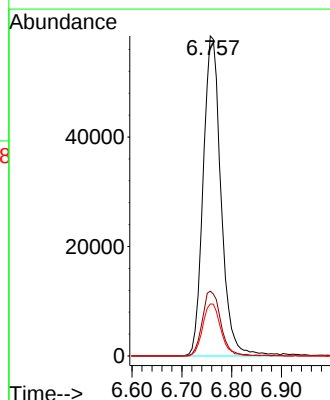
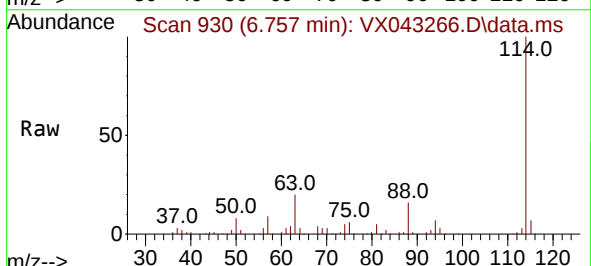
Tgt Ion: 114 Resp: 145209

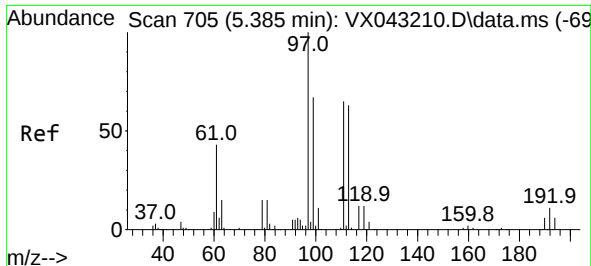
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.0

88 16.3 0.0 33.0

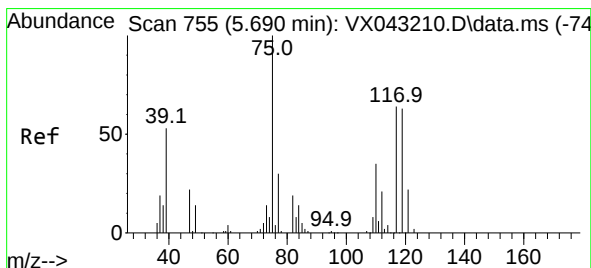
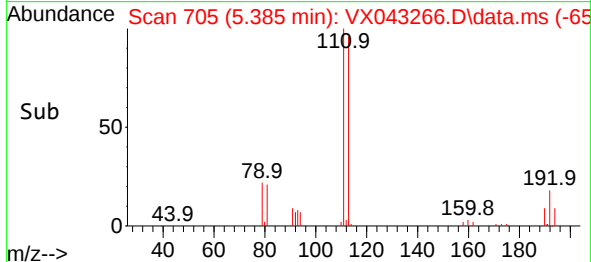
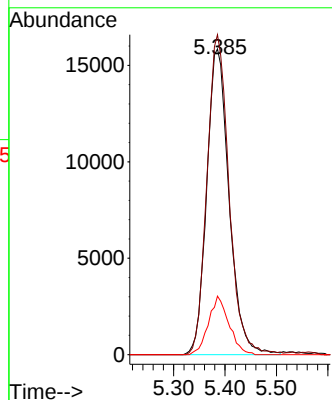
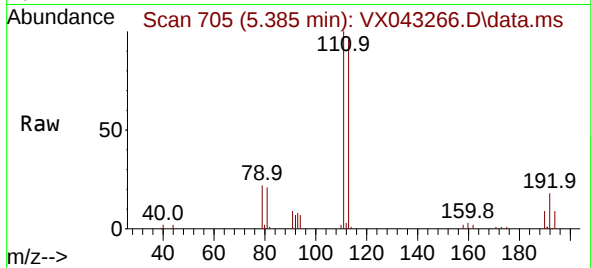




#35
Dibromofluoromethane
Concen: 47.791 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

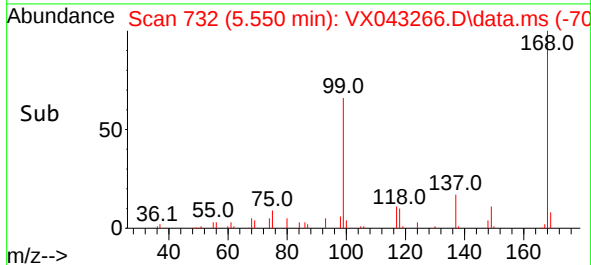
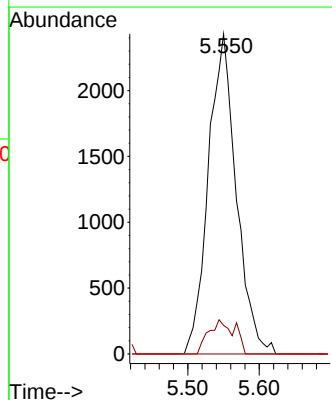
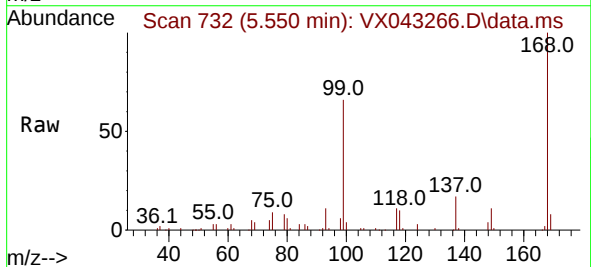
Instrument :
MSVOA_X
ClientSampleId :

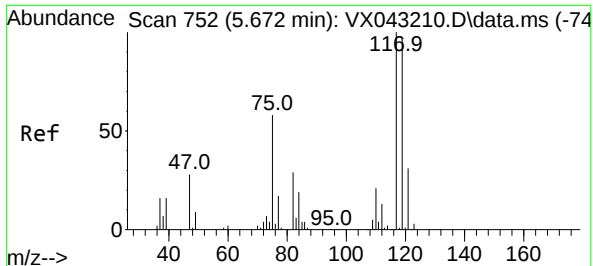
Tgt Ion:113 Resp: 47859
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.0
192 17.6 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.210 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

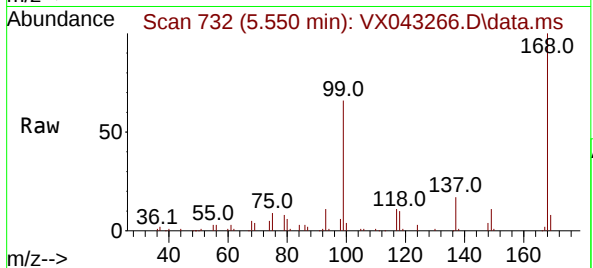
Tgt Ion: 75 Resp: 6591
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.3#
77 0.0 24.9 37.3#



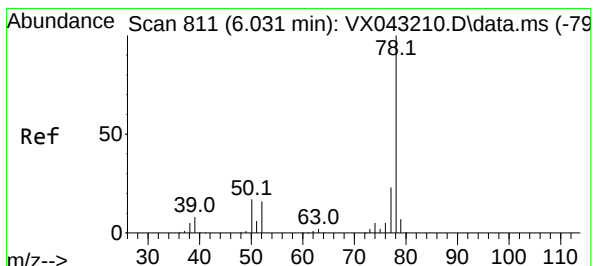
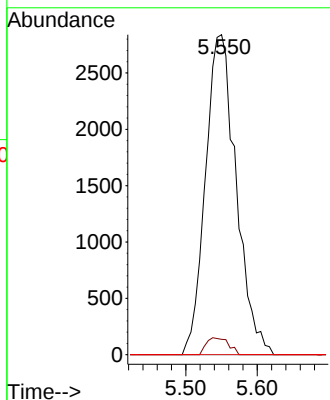
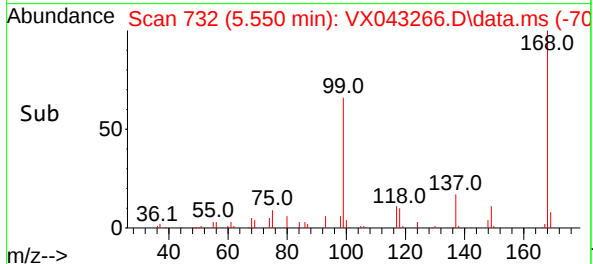


#38
Carbon Tetrachloride
Concen: 5.659 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

Instrument :
MSVOA_X
ClientSampleId :

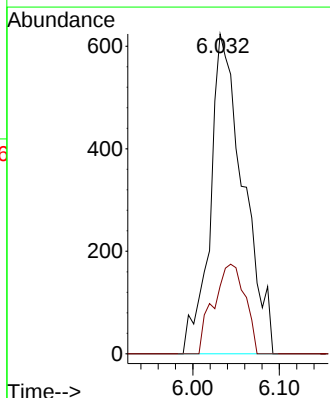
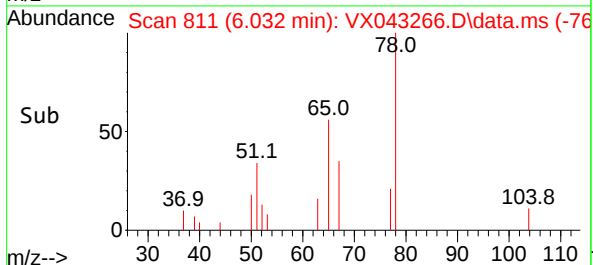
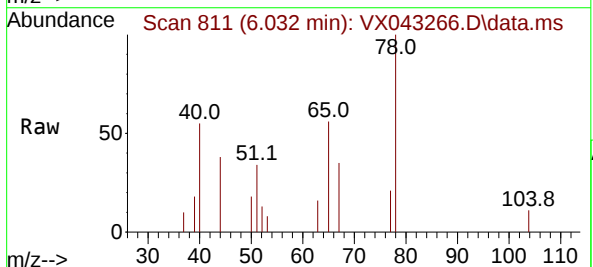


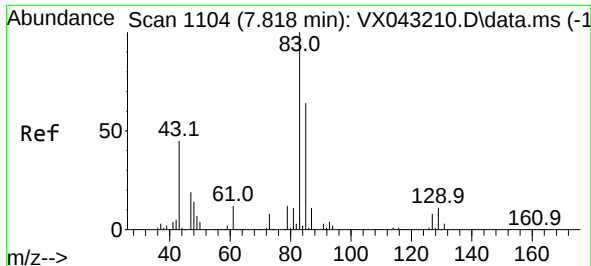
Tgt Ion:117 Resp: 8476
Ion Ratio Lower Upper
117 100
119 4.8 77.7 116.5#
121 0.0 24.3 36.5#



#40
Benzene
Concen: 0.431 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

Tgt Ion: 78 Resp: 1654
Ion Ratio Lower Upper
78 100
77 21.2 18.8 28.2

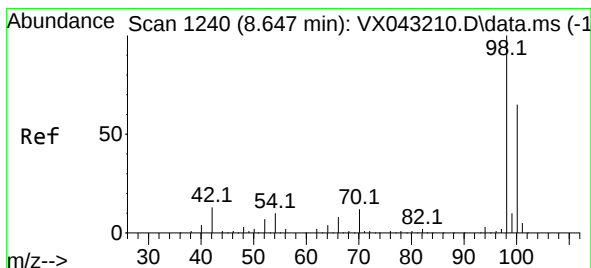
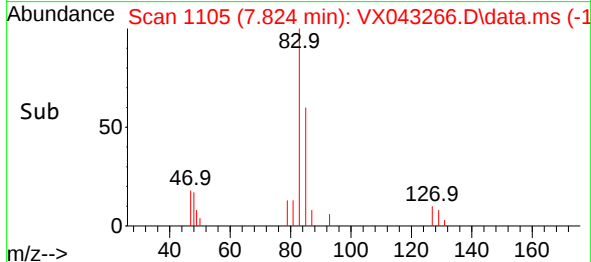
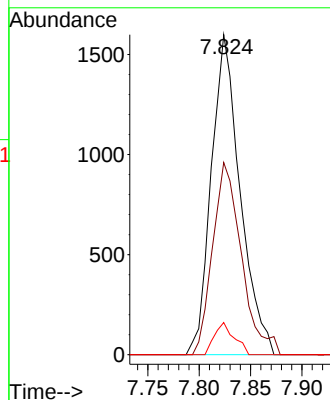
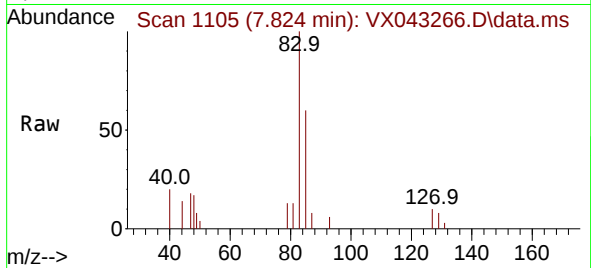




#47
Bromodichloromethane
Concen: 2.103 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

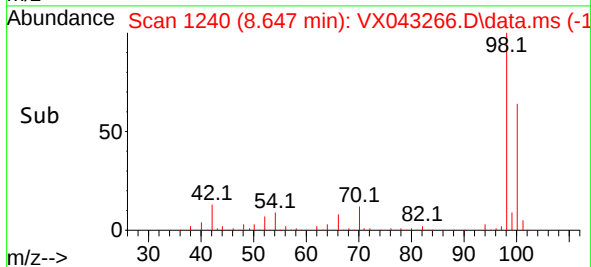
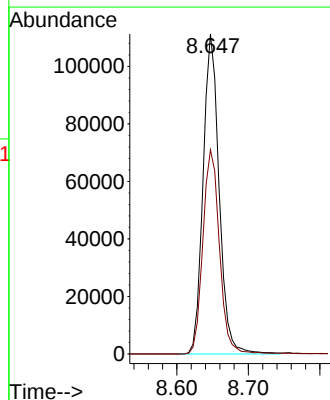
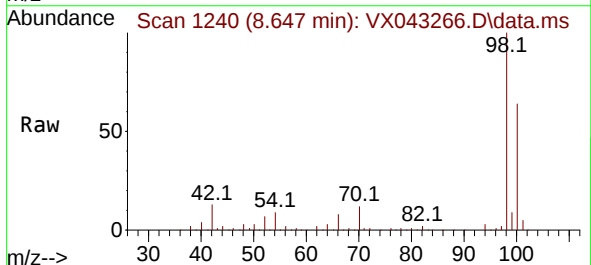
Instrument :
MSVOA_X
ClientSampleId :

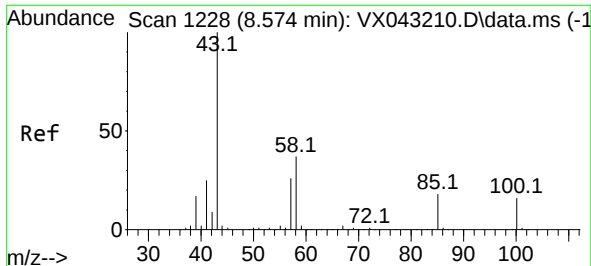
Tgt Ion: 83 Resp: 3119
Ion Ratio Lower Upper
83 100
85 60.0 51.4 77.2
127 10.1 6.2 9.4#



#50
Toluene-d8
Concen: 50.053 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

Tgt Ion: 98 Resp: 173702
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 0.620 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX043266.D

Acq: 03 Oct 2024 16:45

Instrument :

MSVOA_X

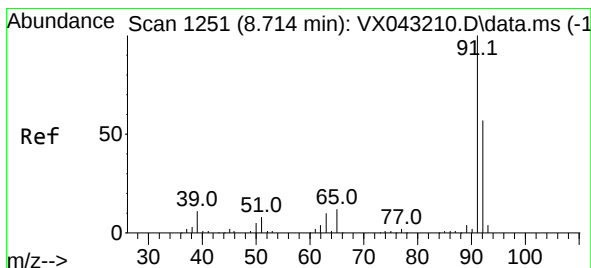
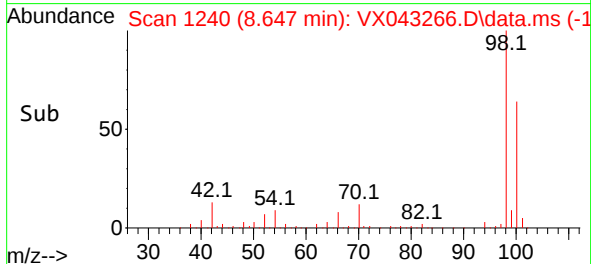
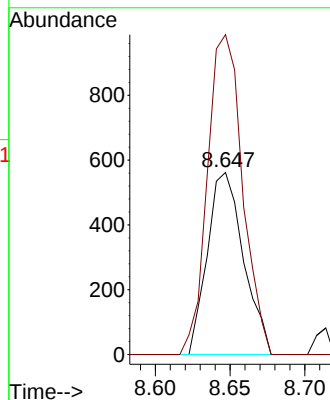
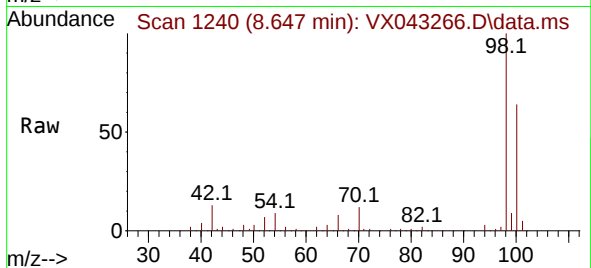
ClientSampleId :

Tgt Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

58 170.6 30.0 45.0#



#52

Toluene

Concen: 1.633 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX043266.D

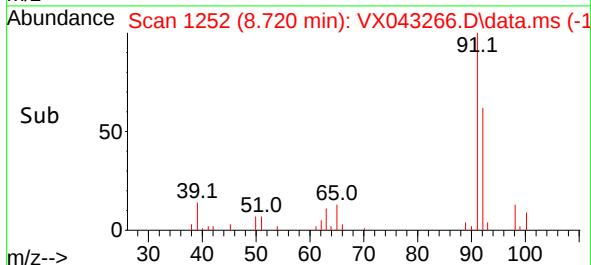
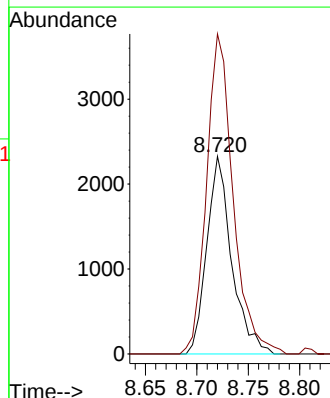
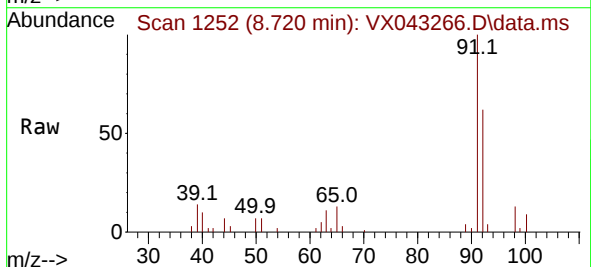
Acq: 03 Oct 2024 16:45

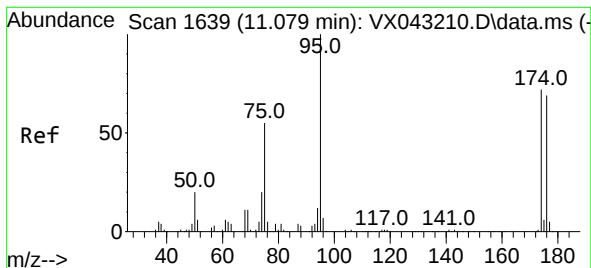
Tgt Ion: 92 Resp: 3925

Ion Ratio Lower Upper

92 100

91 172.5 137.0 205.4

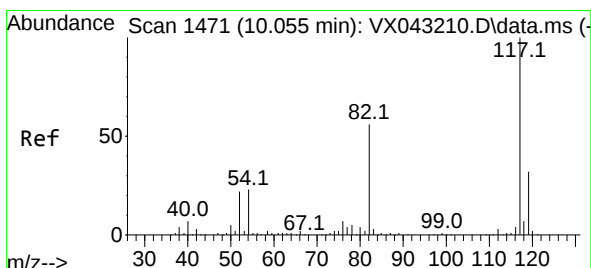
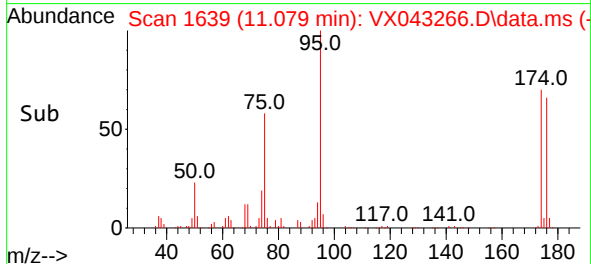
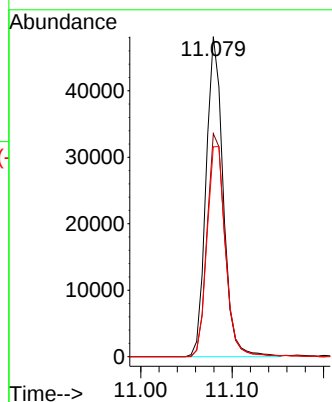
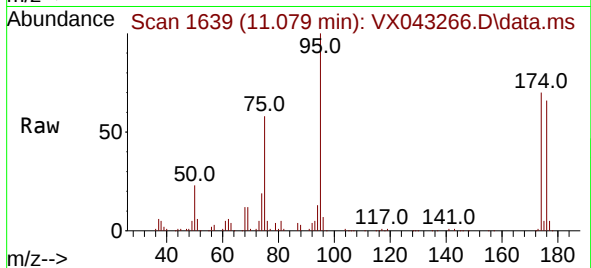




#62
4-Bromofluorobenzene
Concen: 49.760 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

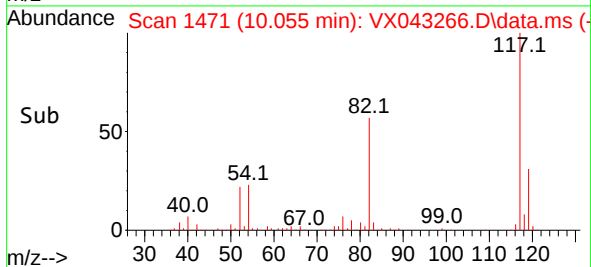
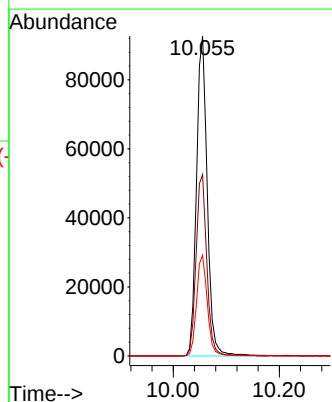
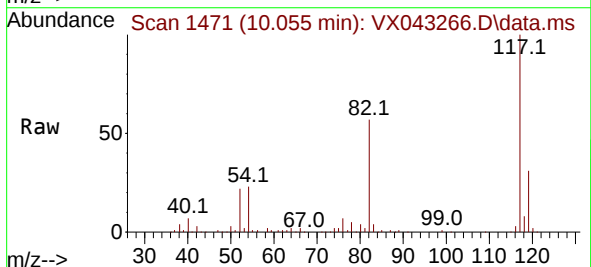
Instrument :
MSVOA_X
ClientSampleId :

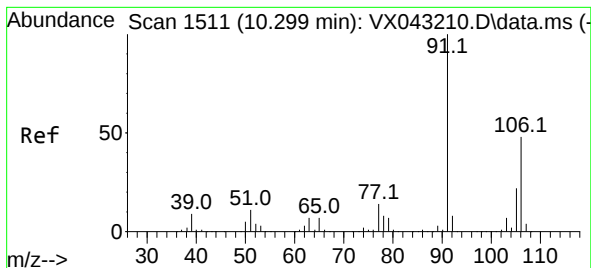
Tgt Ion: 95 Resp: 62736
Ion Ratio Lower Upper
95 100
174 72.5 0.0 145.0
176 71.3 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

Tgt Ion: 117 Resp: 130345
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.6
119 31.5 25.3 37.9





#68

m/p-Xylenes

Concen: 0.491 ug/l

RT: 10.305 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043266.D

Acq: 03 Oct 2024 16:45

Instrument :

MSVOA_X

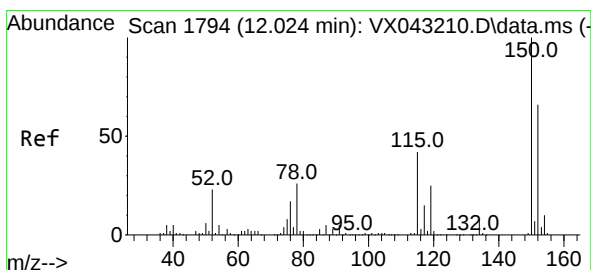
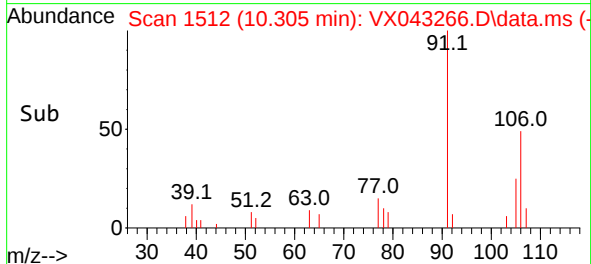
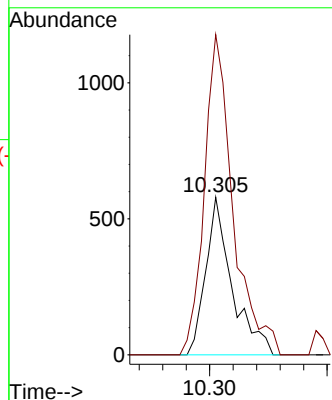
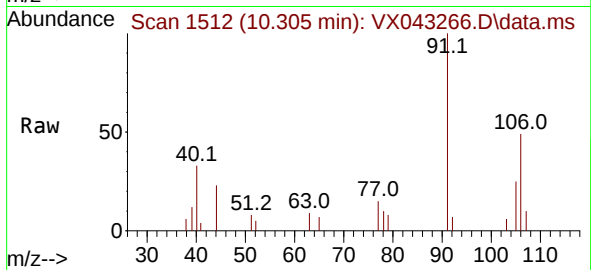
ClientSampleId :

Tgt Ion:106 Resp: 899

Ion Ratio Lower Upper

106 100

91 222.2 167.0 250.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX043266.D

Acq: 03 Oct 2024 16:45

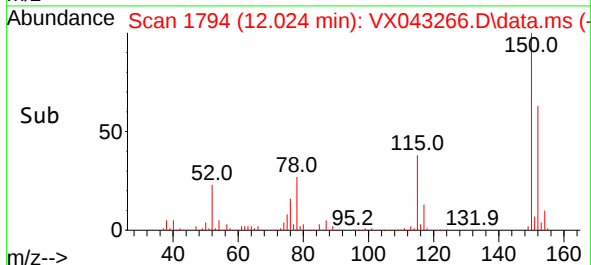
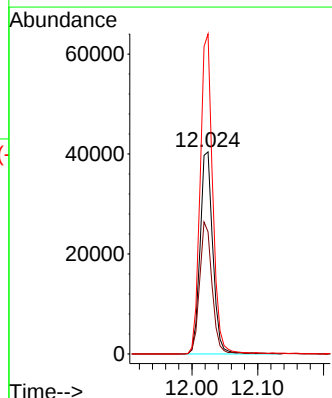
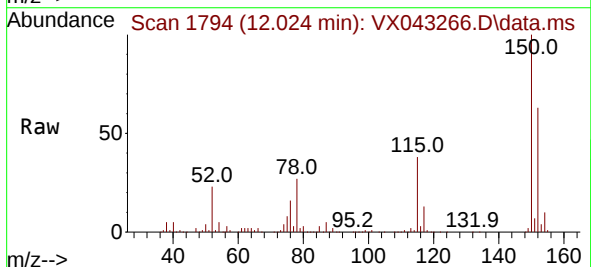
Tgt Ion:152 Resp: 54506

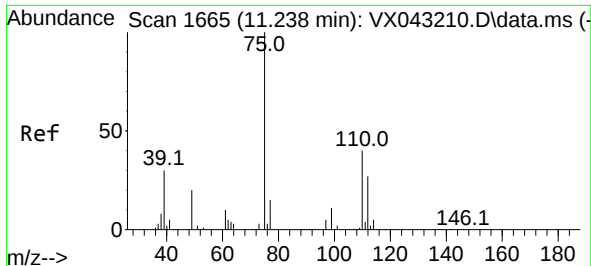
Ion Ratio Lower Upper

152 100

115 63.5 44.1 132.3

150 154.7 0.0 347.4

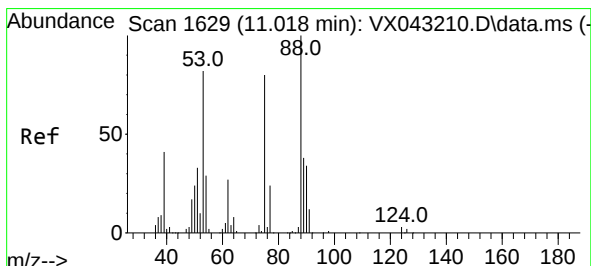
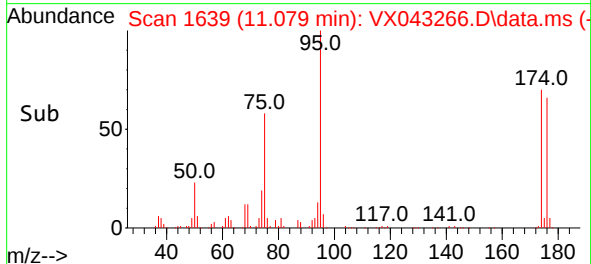
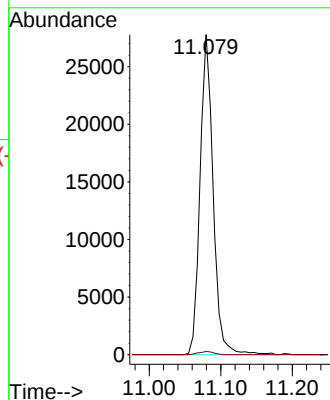
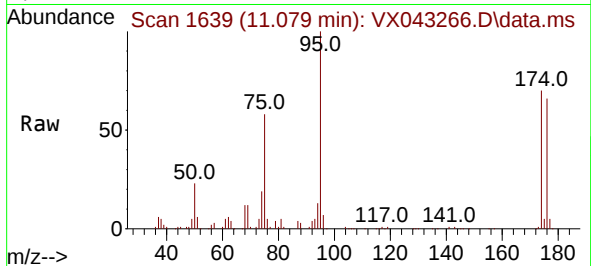




#76
1,2,3-Trichloropropane
Concen: 29.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35238
Ion Ratio Lower Upper
75 100
77 1.1 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043266.D
Acq: 03 Oct 2024 16:45

Tgt Ion: 75 Resp: 35238
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

