

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100324\
 Data File : VX043264.D
 Acq On : 03 Oct 2024 15:58
 Operator : JC/MD
 Sample : P4278-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 01:33:54 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)

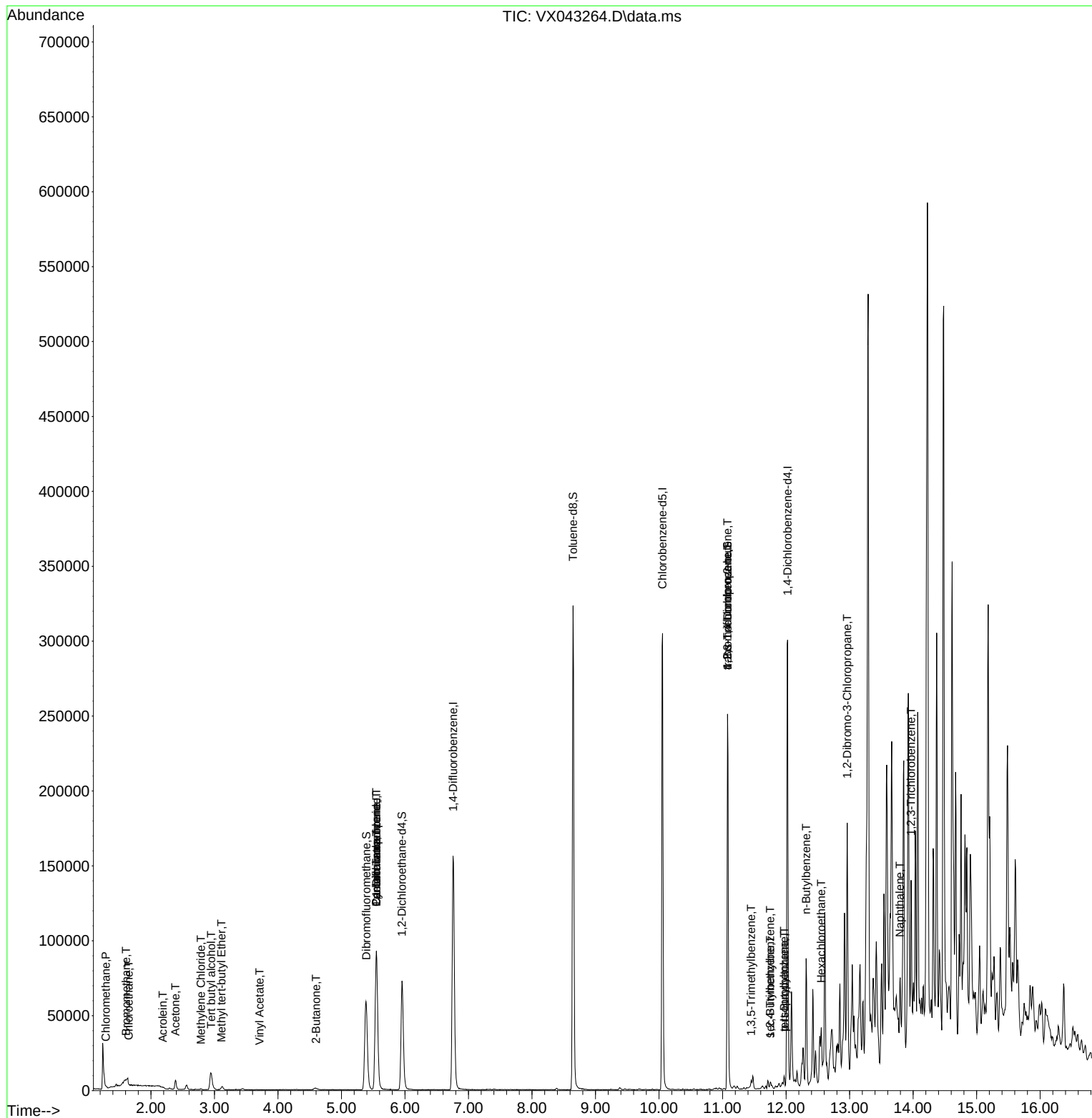
Internal Standards						
1) Pentafluorobenzene	5.550	168	84247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	158814	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71518	51.980	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.960%	
35) Dibromofluoromethane	5.391	113	53306	48.670	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.340%	
50) Toluene-d8	8.647	98	190885	50.292	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.580%	
62) 4-Bromofluorobenzene	11.079	95	67252	48.773	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	239	0.237	ug/l #	42
5) Bromomethane	1.605	94	93	0.225	ug/l #	2
6) Chloroethane	1.648	64	548	1.456	ug/l #	42
11) Tert butyl alcohol	2.947	59	9041	34.531	ug/l #	73
13) Acrolein	2.184	56	72	0.291	ug/l #	14
16) Acetone	2.386	43	7158	12.458	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	2239	0.669	ug/l	92
20) Methylene Chloride	2.788	84	311	0.294	ug/l #	85
23) Vinyl Acetate	3.709	43	23	6.345	ug/l #	71
25) 2-Butanone	4.599	43	278	0.353	ug/l #	49
31) Cyclohexane	5.550	56	2089	1.407	ug/l #	37
36) 1,1-Dichloropropene	5.550	75	7166	5.179	ug/l #	50
38) Carbon Tetrachloride	5.550	117	9329	5.695	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	37232	26.999	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.451	105	2961	0.743	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.079	75	37232	69.973	ug/l #	8
83) tert-Butylbenzene	11.969	119	2103	0.512	ug/l	71
84) 1,2,4-Trimethylbenzene	11.750	105	1771	0.441	ug/l	95
85) sec-Butylbenzene	11.750	105	1771	0.364	ug/l #	56
86) p-Isopropyltoluene	11.969	119	2103	0.518	ug/l	91
89) n-Butylbenzene	12.317	91	8004	2.353	ug/l #	1
90) Hexachloroethane	12.555	117	2394	3.142	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	12.963	75	636	1.654	ug/l #	16
95) Naphthalene	13.792	128	1457	0.324	ug/l #	1
96) 1,2,3-Trichlorobenzene	13.969	180	735	0.583	ug/l #	1

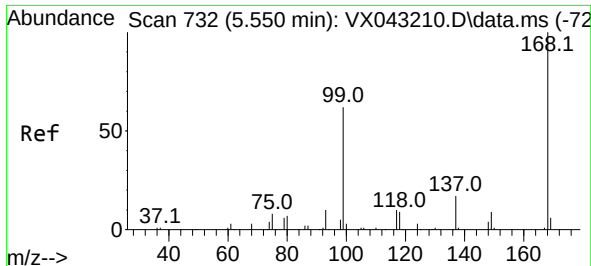
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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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



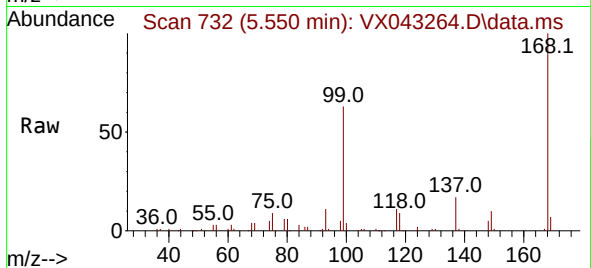


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

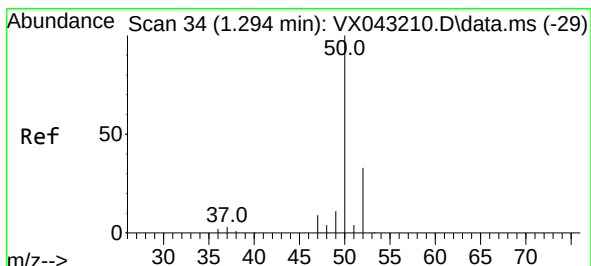
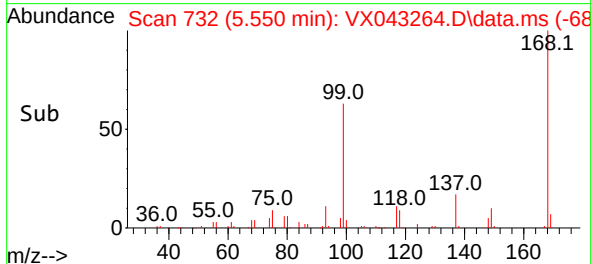
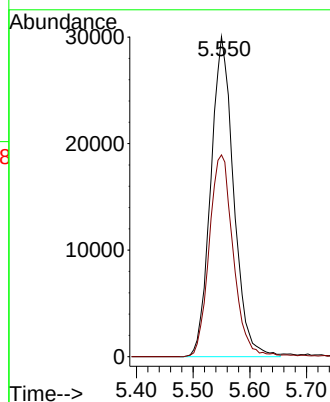
Instrument :

MSVOA_X

ClientSampleId :

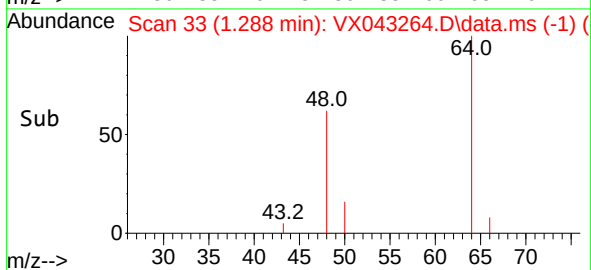
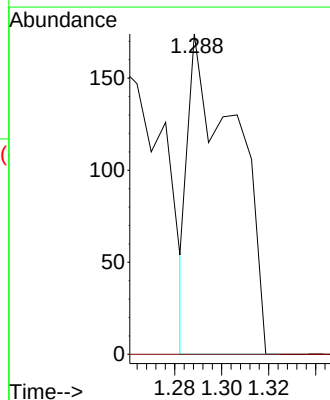
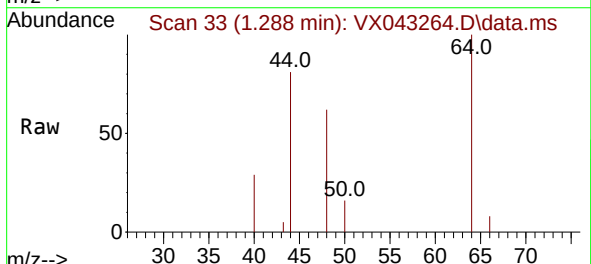


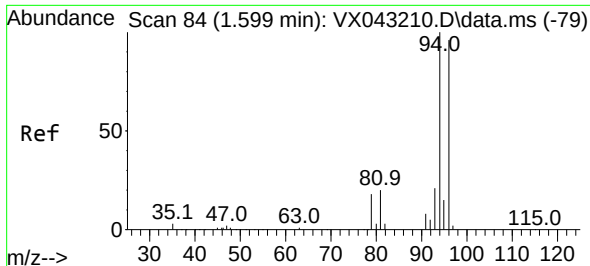
Tgt Ion:168 Resp: 84247
Ion Ratio Lower Upper
168 100
99 63.1 49.7 74.5



#3
Chloromethane
Concen: 0.237 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

Tgt Ion: 50 Resp: 239
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

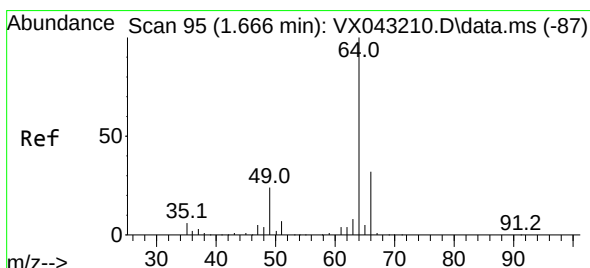
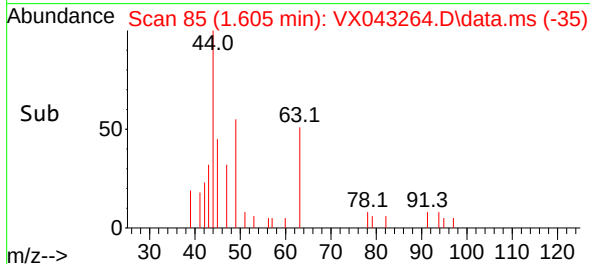
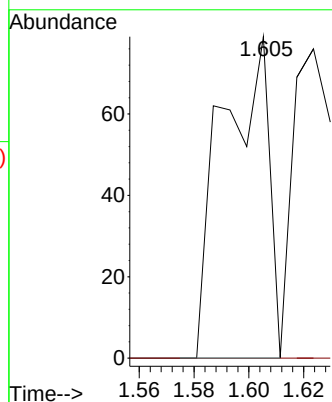
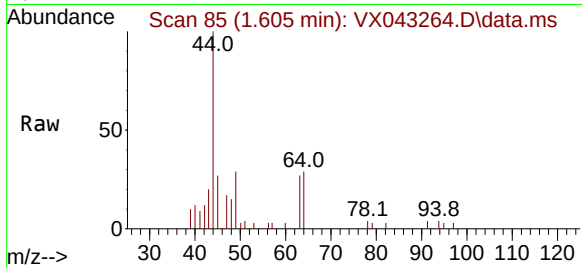




#5
Bromomethane
Concen: 0.225 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

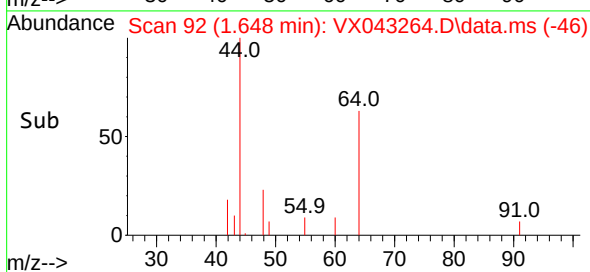
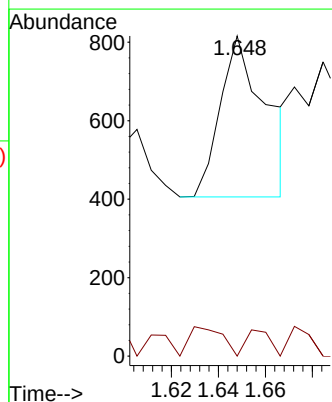
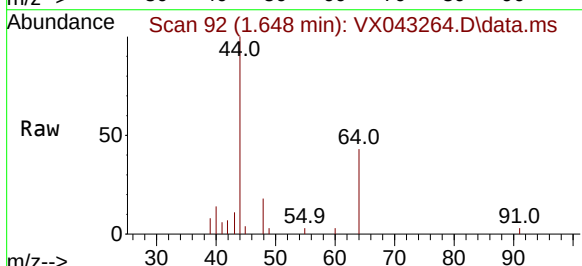
Instrument :
MSVOA_X
ClientSampleId :

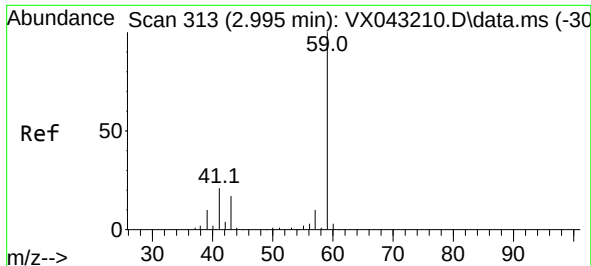
Tgt Ion: 94 Resp: 93
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#



#6
Chloroethane
Concen: 1.456 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

Tgt Ion: 64 Resp: 548
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#





#11

Tert butyl alcohol

Concen: 34.531 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.049 min

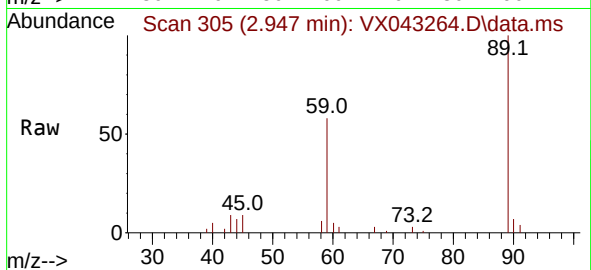
Lab File: VX043264.D

Acq: 03 Oct 2024 15:58

Instrument :

MSVOA_X

ClientSampleId :

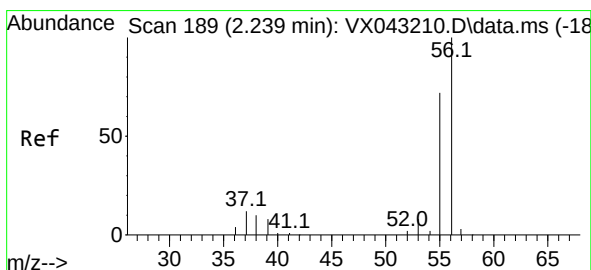
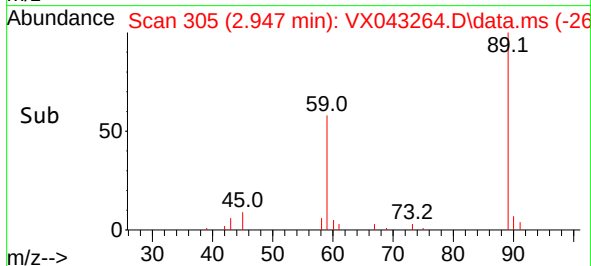
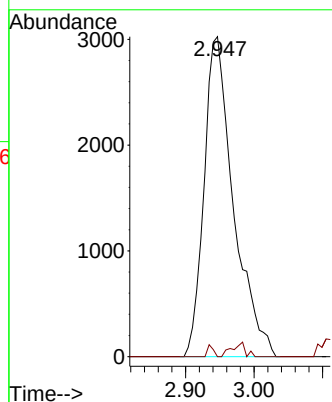


Tgt Ion: 59 Resp: 9041

Ion Ratio Lower Upper

59 100

57 0.7 8.6 13.0#



#13

Acrolein

Concen: 0.291 ug/l

RT: 2.184 min Scan# 180

Delta R.T. -0.055 min

Lab File: VX043264.D

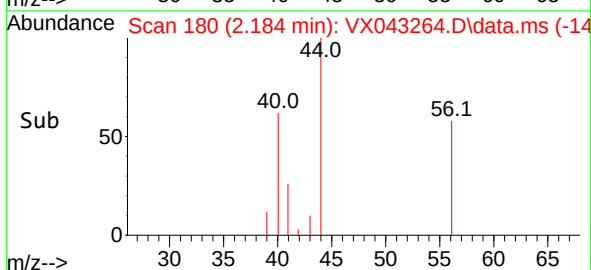
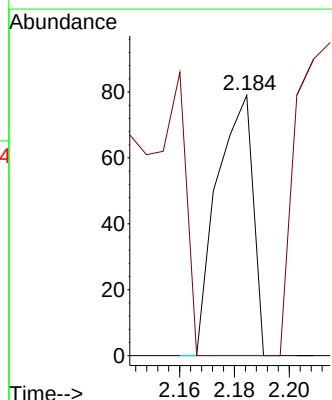
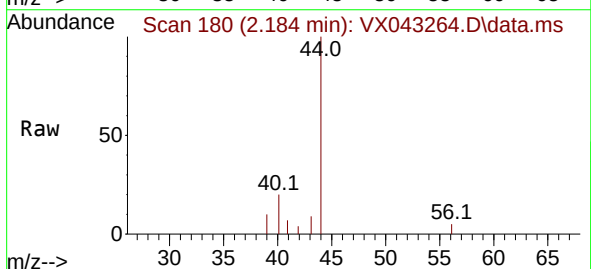
Acq: 03 Oct 2024 15:58

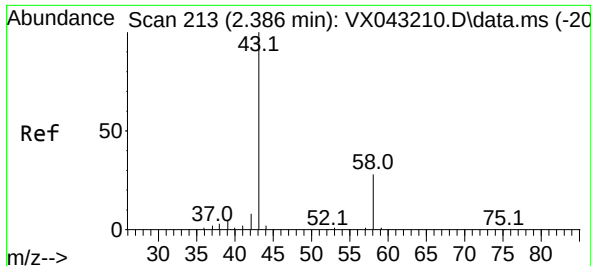
Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#

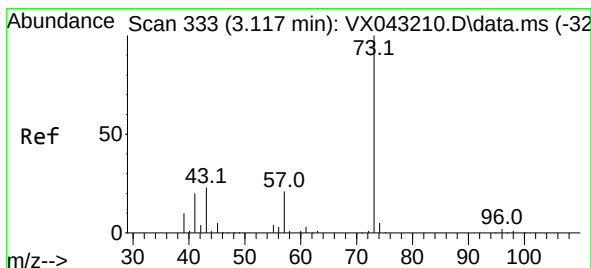
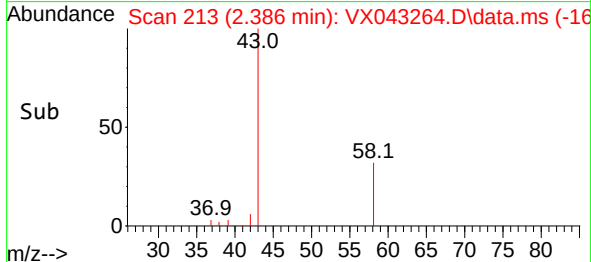
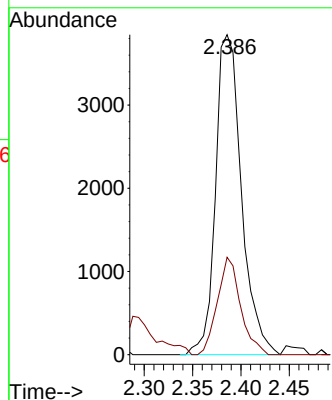
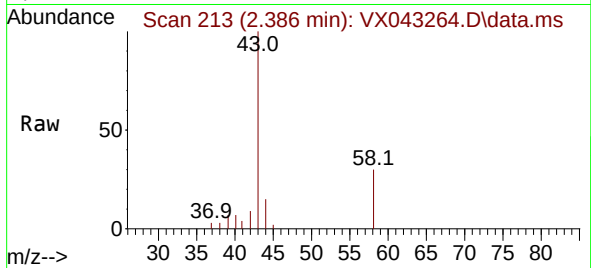




#16
Acetone
Concen: 12.458 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

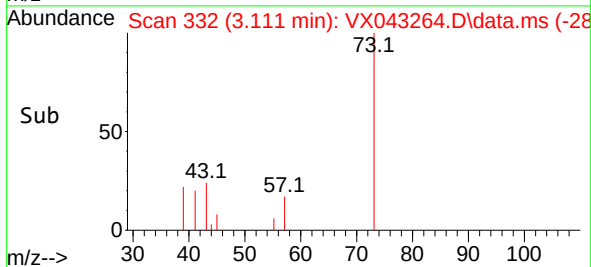
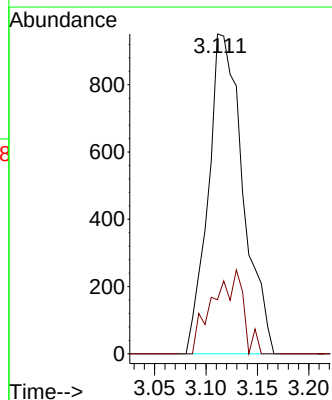
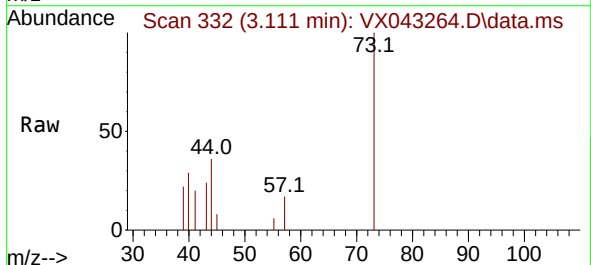
Instrument :
MSVOA_X
ClientSampleId :

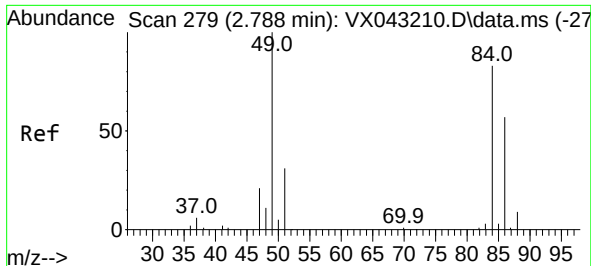
Tgt Ion: 43 Resp: 7158
Ion Ratio Lower Upper
43 100
58 30.5 22.6 33.8



#19
Methyl tert-butyl Ether
Concen: 0.669 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

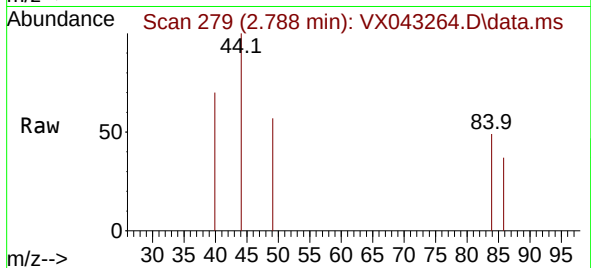
Tgt Ion: 73 Resp: 2239
Ion Ratio Lower Upper
73 100
57 16.9 16.7 25.1



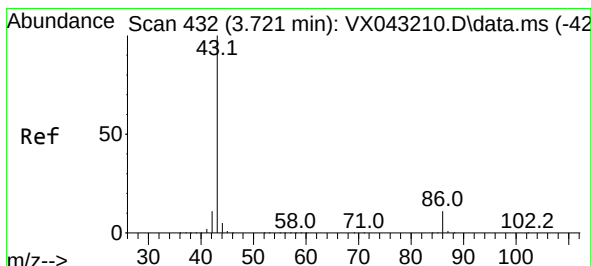
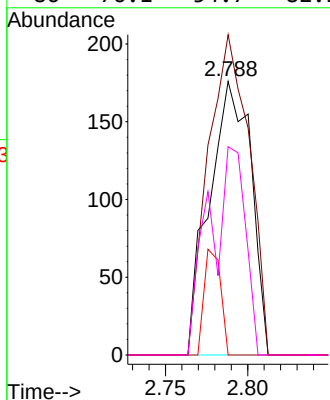
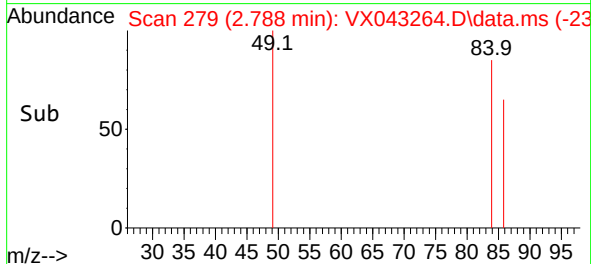


#20
Methylene Chloride
Concen: 0.294 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :

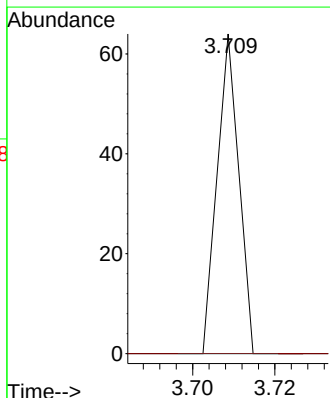
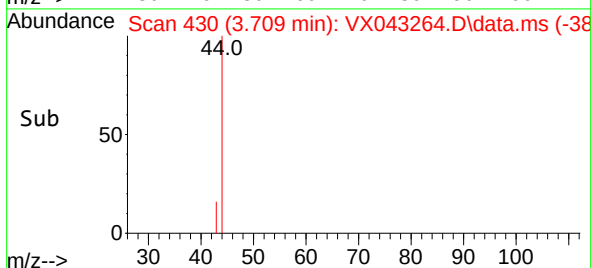
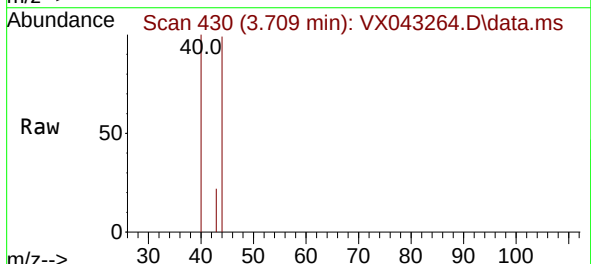


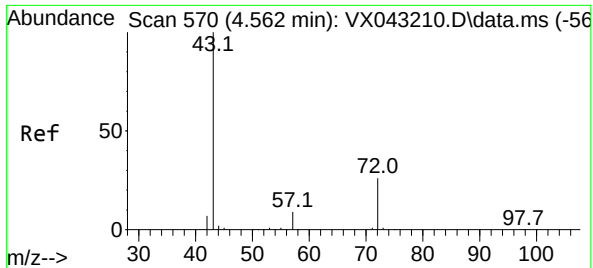
Tgt Ion:	84	Resp:	311
Ion	Ratio	Lower	Upper
84	100		
49	117.0	96.7	145.1
51	0.0	30.4	45.6#
86	76.1	54.7	82.1



#23
Vinyl Acetate
Concen: 6.345 ug/l
RT: 3.709 min Scan# 430
Delta R.T. -0.012 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

Tgt Ion:	43	Resp:	23
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#

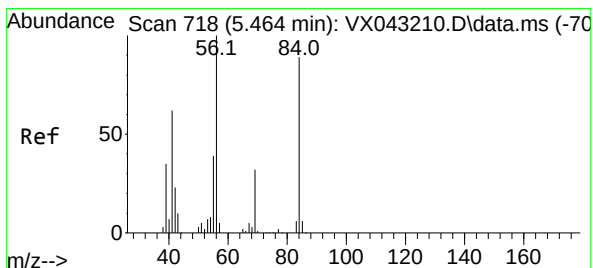
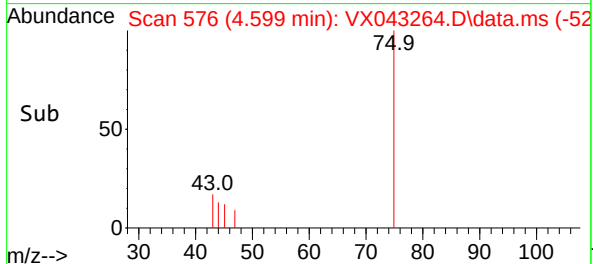
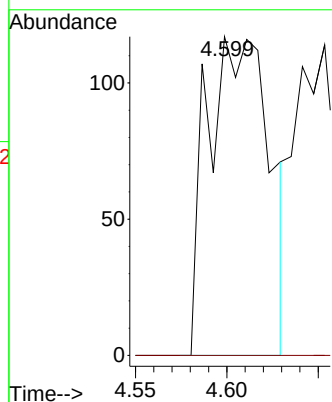
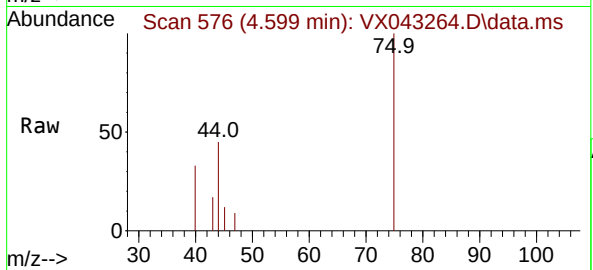




#25
2-Butanone
Concen: 0.353 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

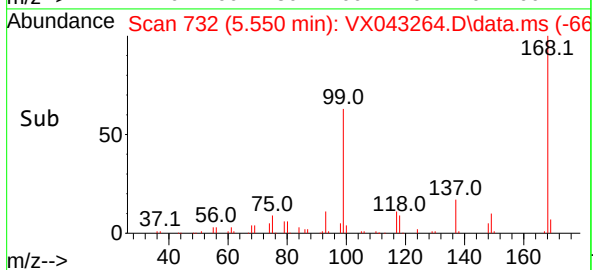
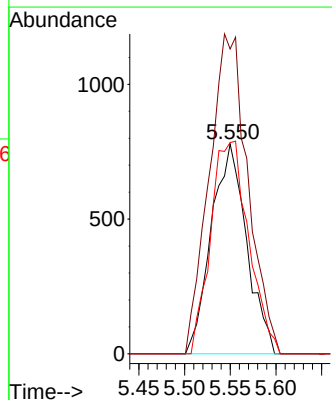
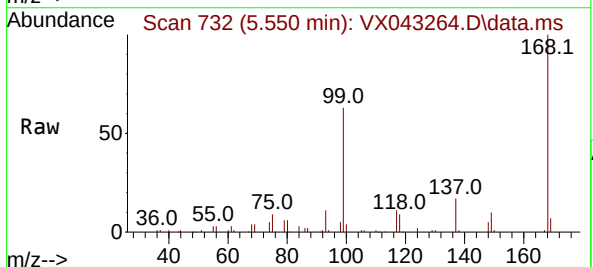
Instrument :
MSVOA_X
ClientSampleId :

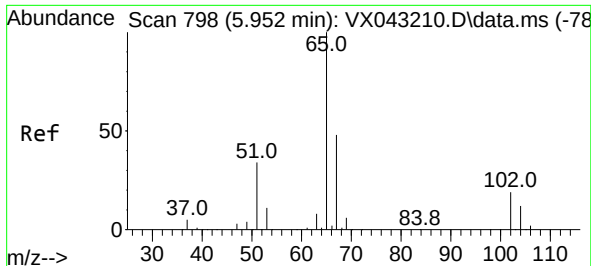
Tgt Ion: 43 Resp: 278
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



#31
Cyclohexane
Concen: 1.407 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

Tgt Ion: 56 Resp: 2089
Ion Ratio Lower Upper
56 100
69 145.2 25.8 38.6#
84 100.6 71.1 106.7





#33

1,2-Dichloroethane-d4

Concen: 51.980 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043264.D

Acq: 03 Oct 2024 15:58

Instrument :

MSVOA_X

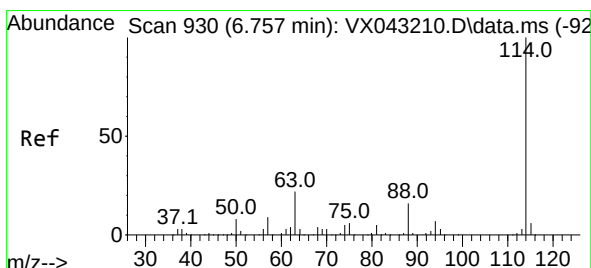
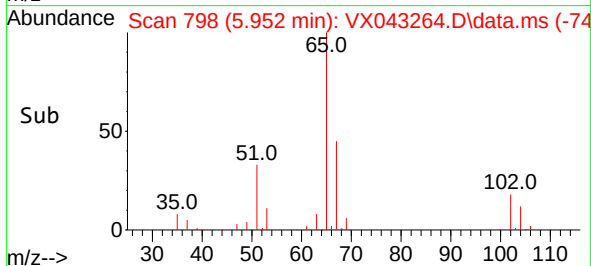
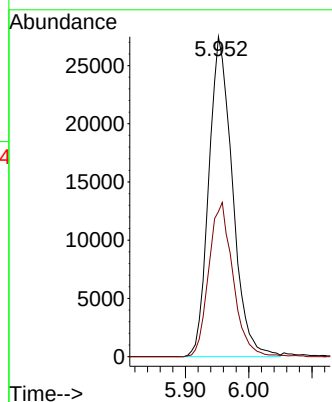
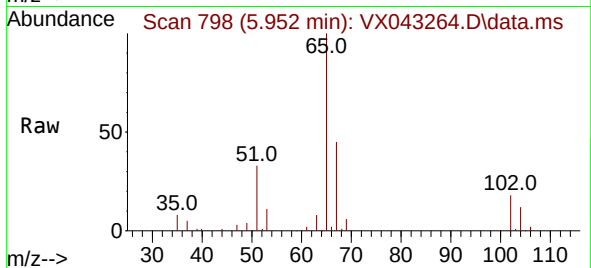
ClientSampleId :

Tgt Ion: 65 Resp: 71518

Ion Ratio Lower Upper

65 100

67 49.3 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: VX043264.D

Acq: 03 Oct 2024 15:58

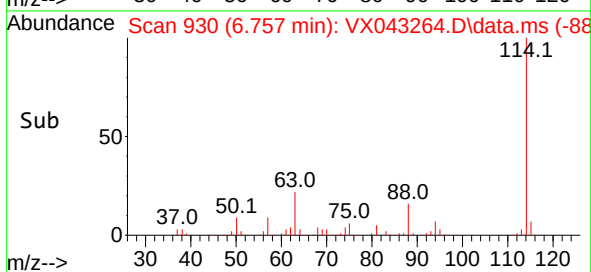
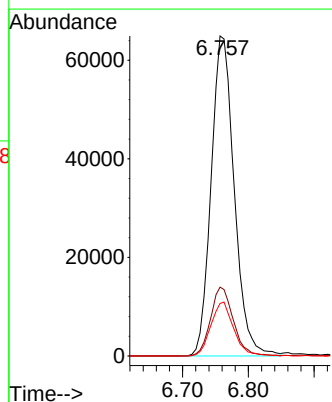
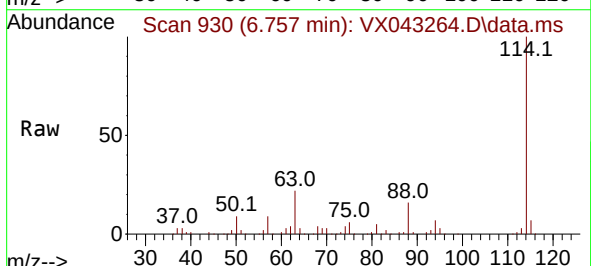
Tgt Ion: 114 Resp: 158814

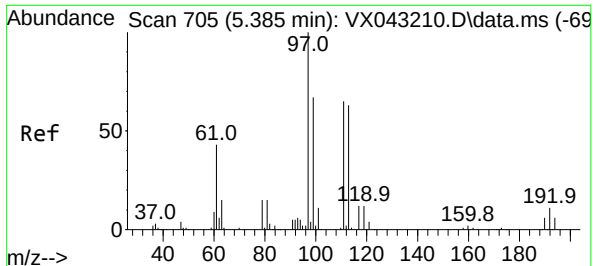
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

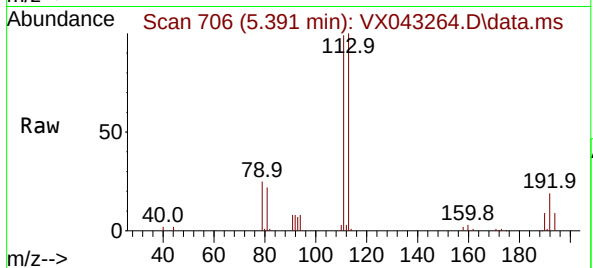
88 16.4 0.0 33.0



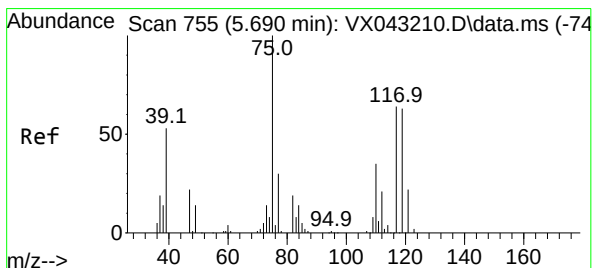
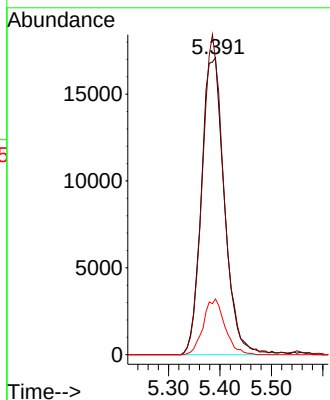
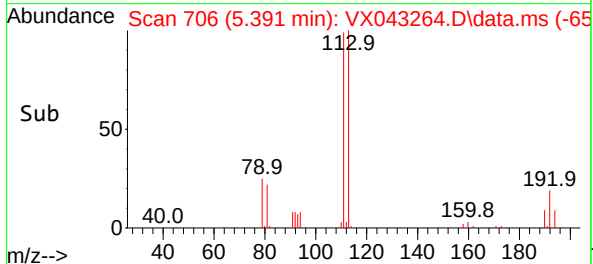


#35
Dibromofluoromethane
Concen: 48.670 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :

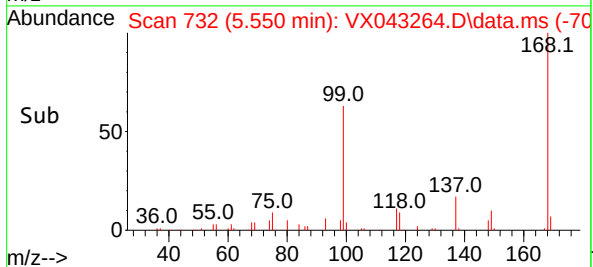
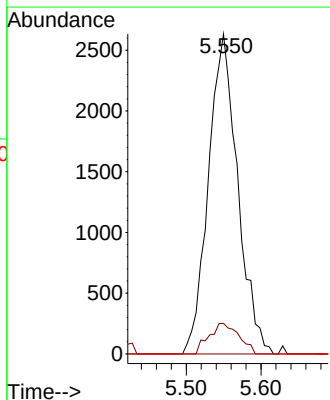
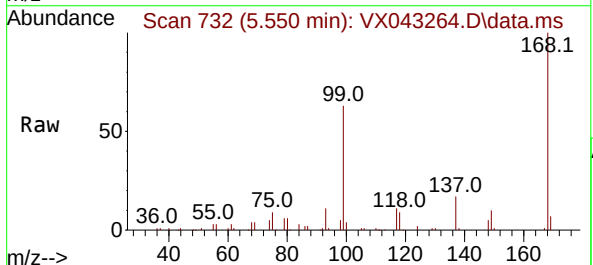


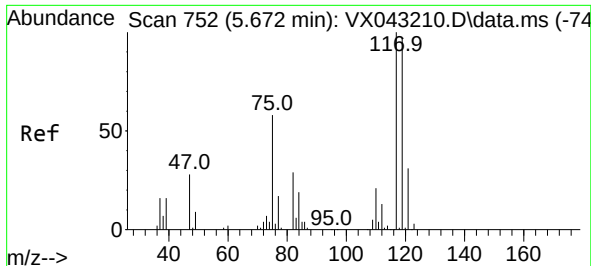
Tgt Ion:113 Resp: 53306
Ion Ratio Lower Upper
113 100
111 101.2 83.4 125.0
192 17.5 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.179 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

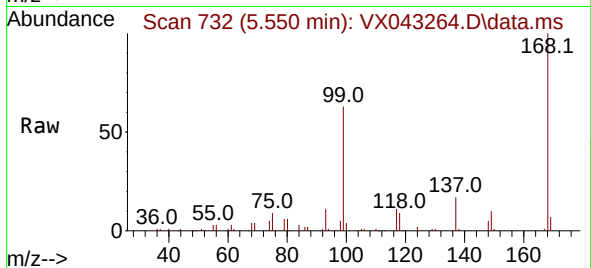
Tgt Ion: 75 Resp: 7166
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.3#
77 0.0 24.9 37.3#



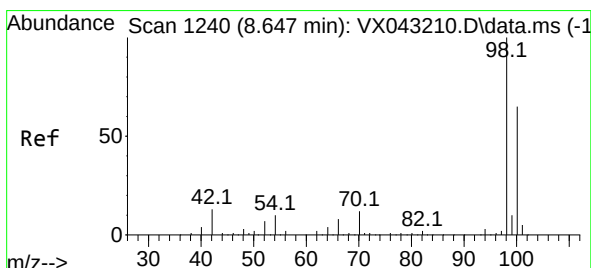
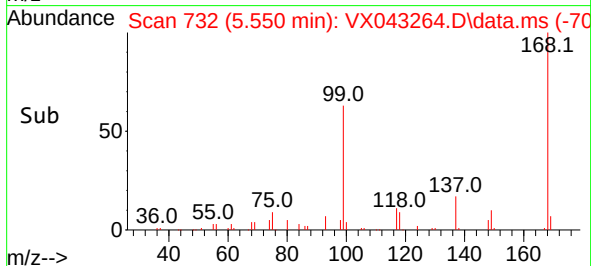
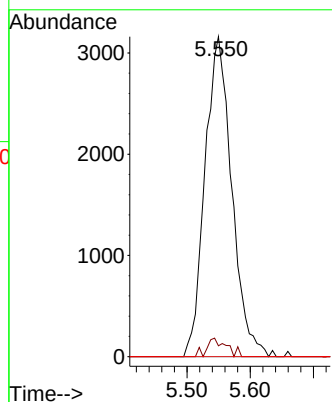


#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :

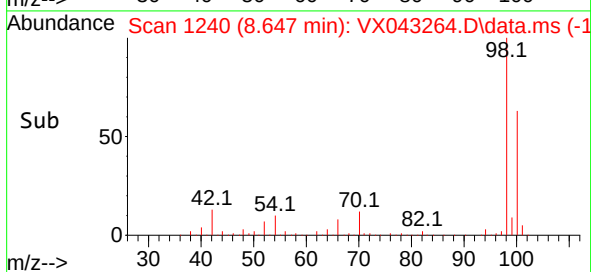
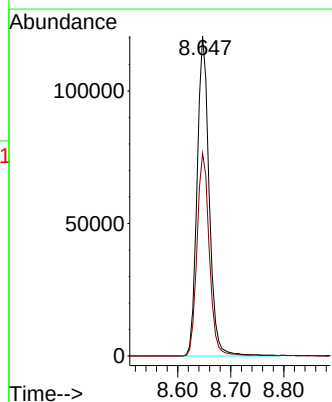
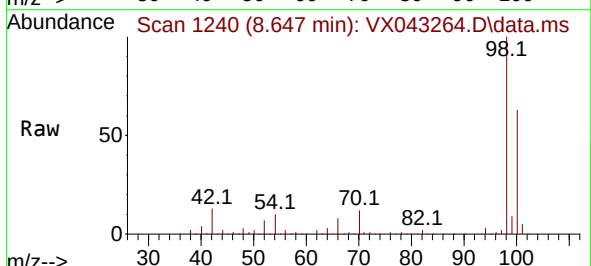


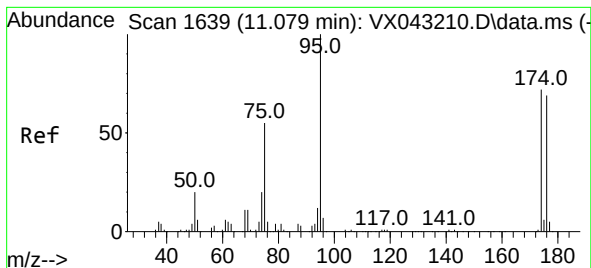
Tgt Ion:117 Resp: 9329
Ion Ratio Lower Upper
117 100
119 3.4 77.7 116.5#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 50.292 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

Tgt Ion: 98 Resp: 190885
Ion Ratio Lower Upper
98 100
100 64.4 52.4 78.6

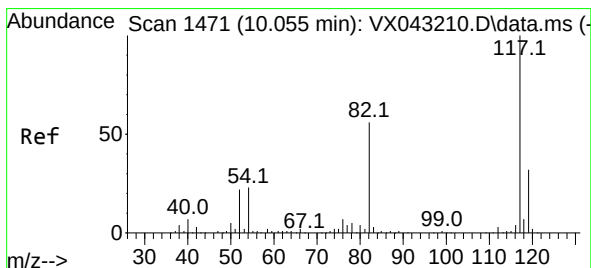
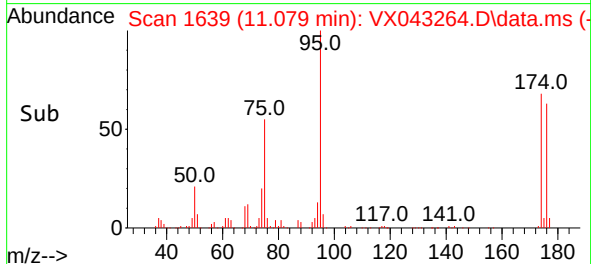
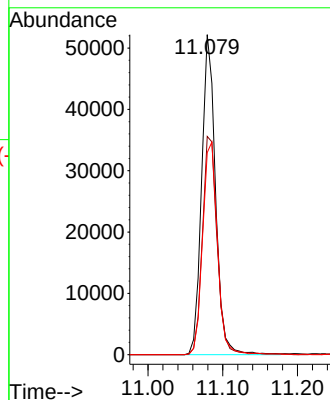
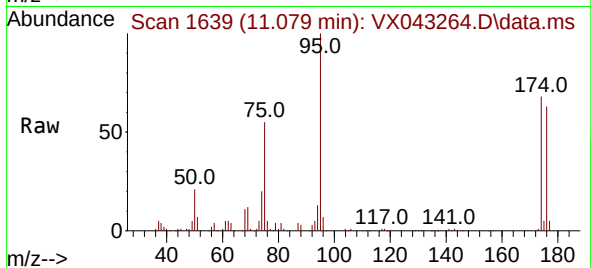




#62
4-Bromofluorobenzene
Concen: 48.773 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

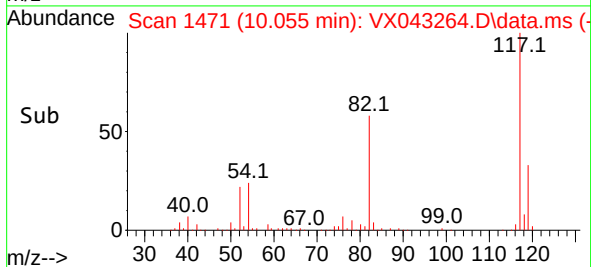
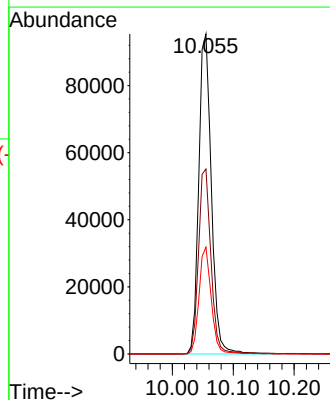
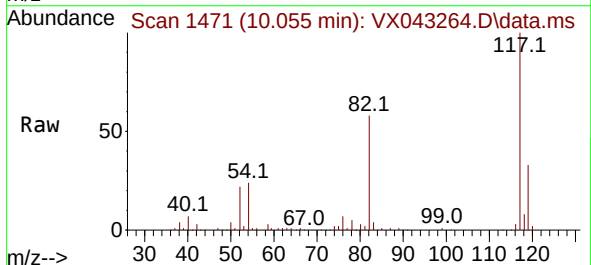
Instrument :
MSVOA_X
ClientSampleId :

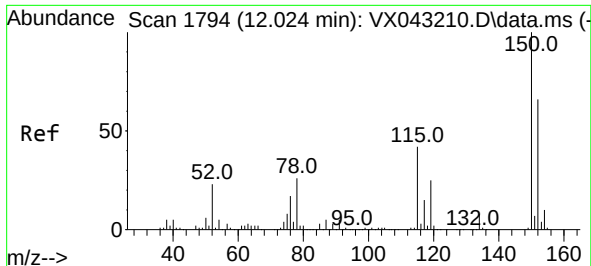
Tgt Ion: 95 Resp: 67252
Ion Ratio Lower Upper
95 100
174 72.5 0.0 145.0
176 71.1 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

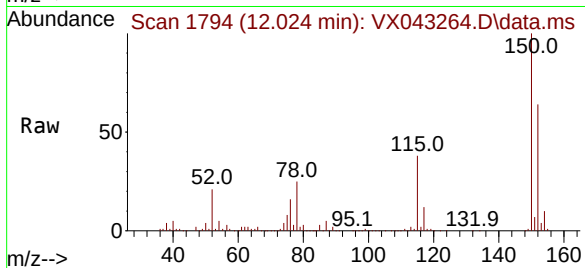
Tgt Ion: 117 Resp: 136782
Ion Ratio Lower Upper
117 100
82 57.8 45.0 67.6
119 33.4 25.3 37.9



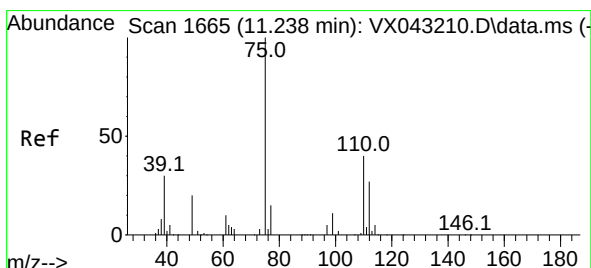
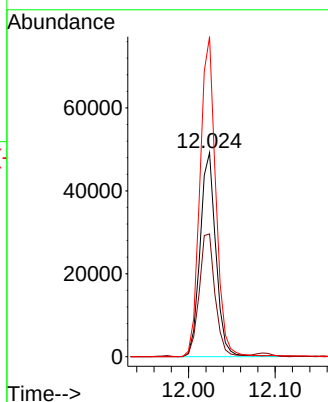
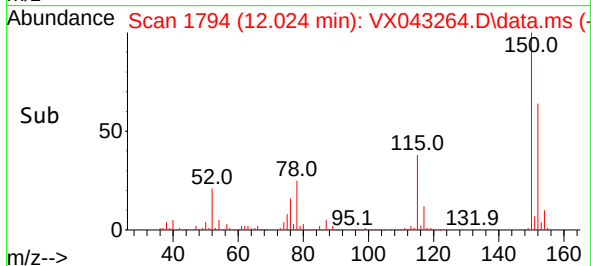


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX043264.D
 Acq: 03 Oct 2024 15:58

Instrument :
 MSVOA_X
 ClientSampleId :

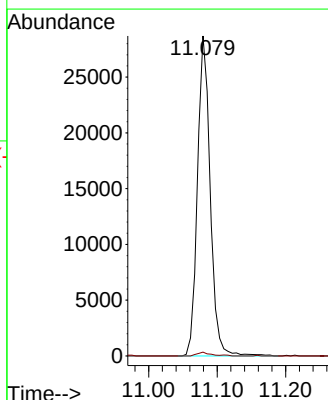
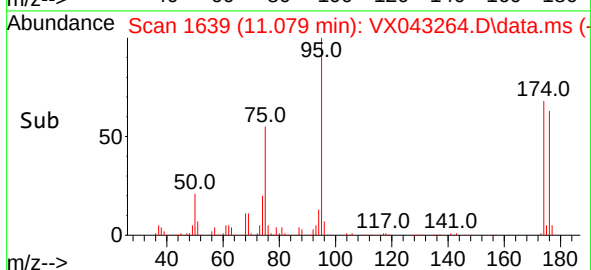
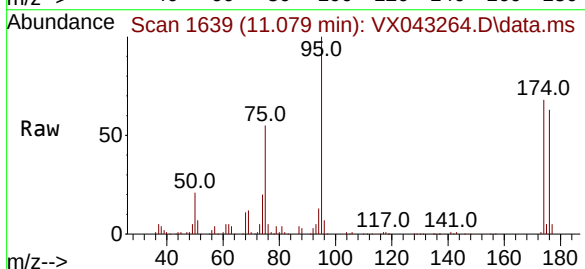


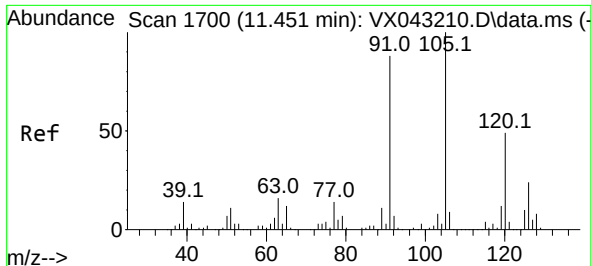
Tgt Ion:152 Resp: 62170
 Ion Ratio Lower Upper
 152 100
 115 61.2 44.1 132.3
 150 156.7 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 26.999 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX043264.D
 Acq: 03 Oct 2024 15:58

Tgt Ion: 75 Resp: 37232
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.0 66.0#

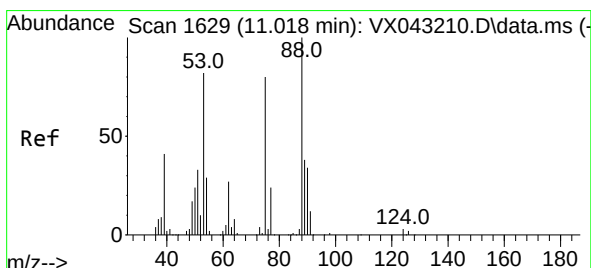
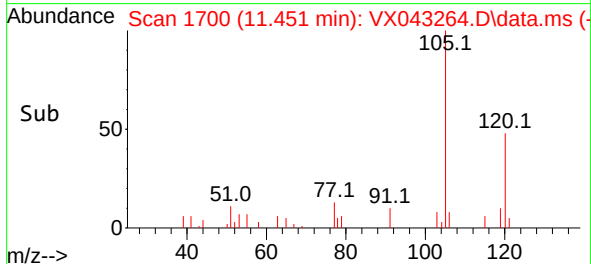
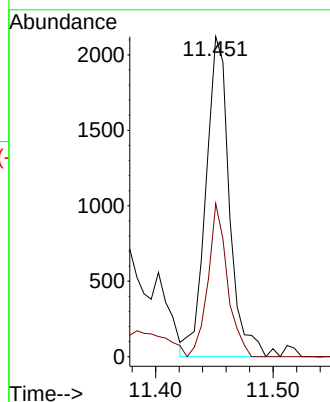
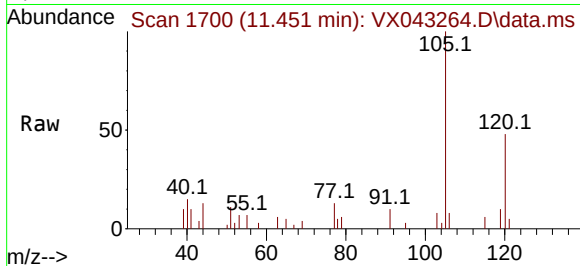




#80
 1,3,5-Trimethylbenzene
 Concen: 0.743 ug/l
 RT: 11.451 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX043264.D
 Acq: 03 Oct 2024 15:58

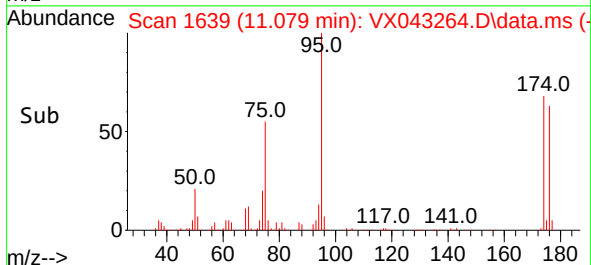
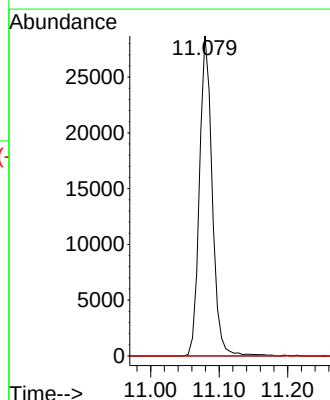
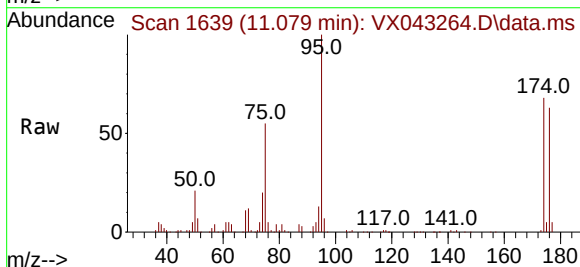
Instrument :
 MSVOA_X
 ClientSampleId :

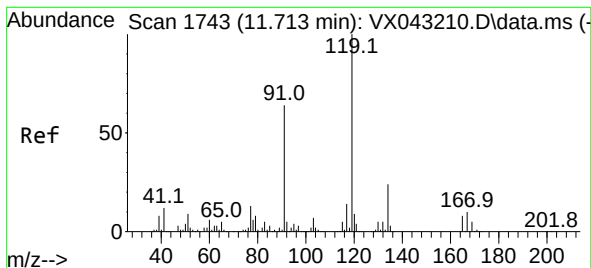
Tgt Ion:105 Resp: 2961
 Ion Ratio Lower Upper
 105 100
 120 39.3 23.9 71.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.973 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX043264.D
 Acq: 03 Oct 2024 15:58

Tgt Ion: 75 Resp: 37232
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.0 38.6 58.0#





#83

tert-Butylbenzene

Concen: 0.512 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.256 min

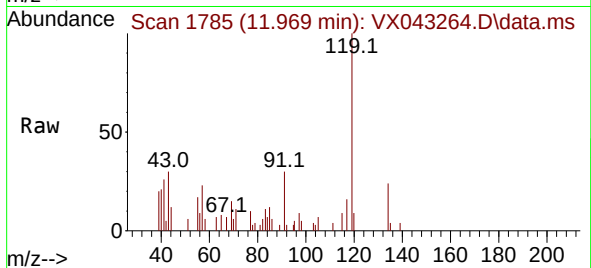
Lab File: VX043264.D

Acq: 03 Oct 2024 15:58

Instrument :

MSVOA_X

ClientSampleId :



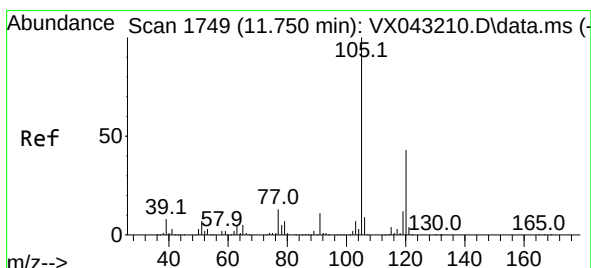
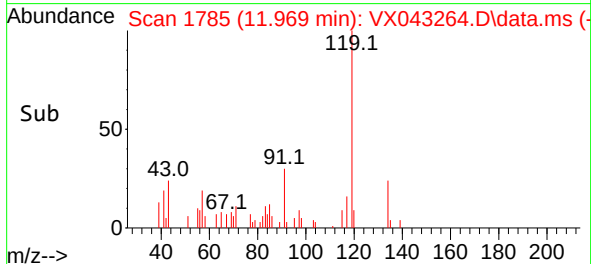
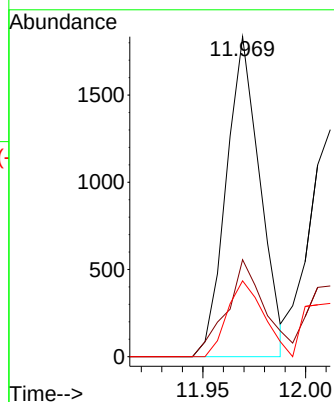
Tgt Ion:119 Resp: 2103

Ion Ratio Lower Upper

119 100

91 33.1 31.0 93.0

134 25.4 11.5 34.4



#84

1,2,4-Trimethylbenzene

Concen: 0.441 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043264.D

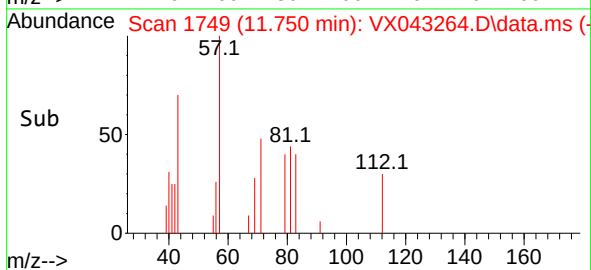
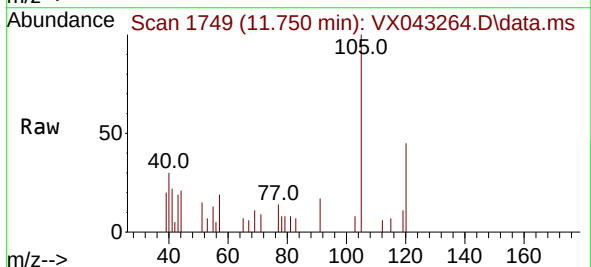
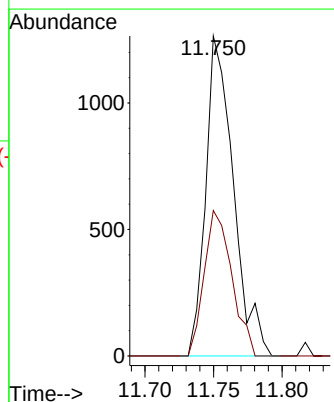
Acq: 03 Oct 2024 15:58

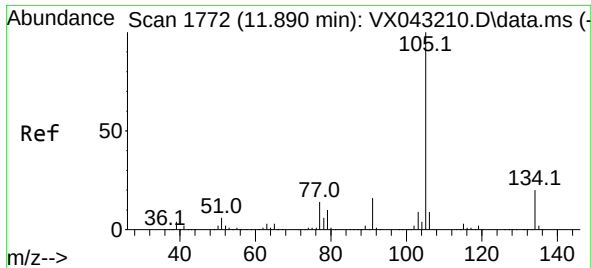
Tgt Ion:105 Resp: 1771

Ion Ratio Lower Upper

105 100

120 45.5 21.2 63.6

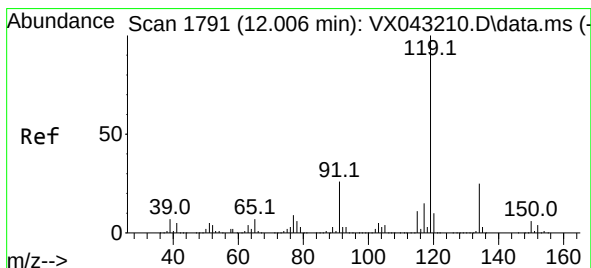
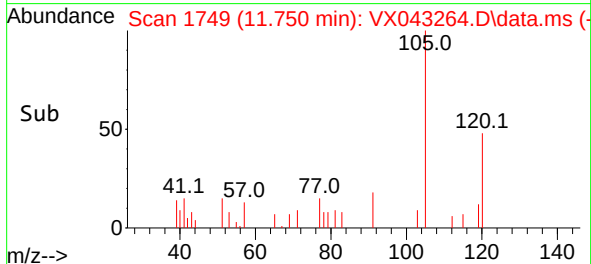
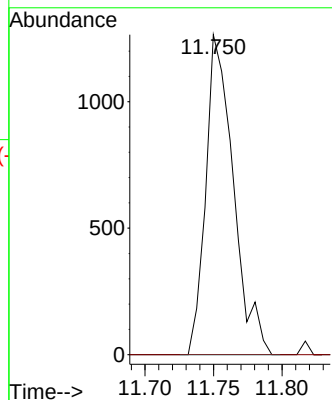
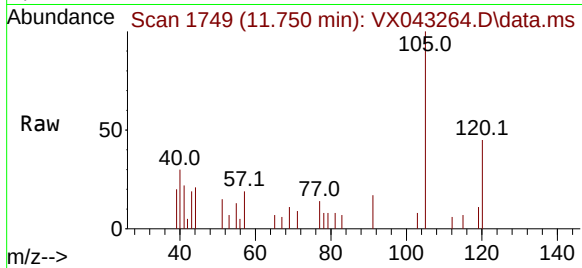




#85
 sec-Butylbenzene
 Concen: 0.364 ug/l
 RT: 11.750 min Scan# 1771
 Delta R.T. -0.140 min
 Lab File: VX043264.D
 Acq: 03 Oct 2024 15:58

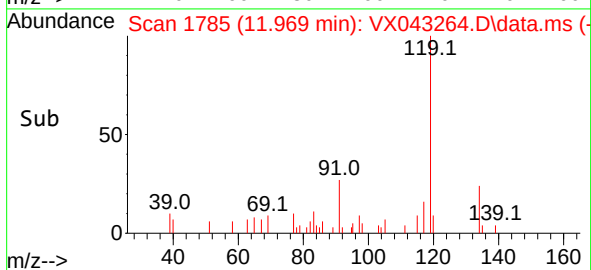
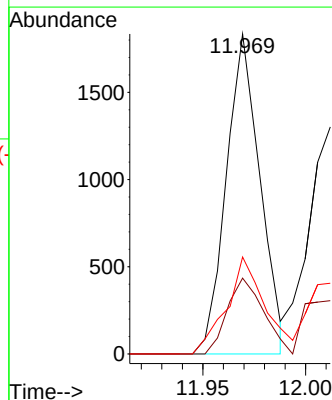
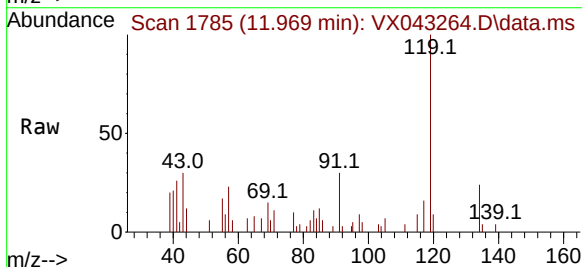
Instrument :
 MSVOA_X
 ClientSampleId :

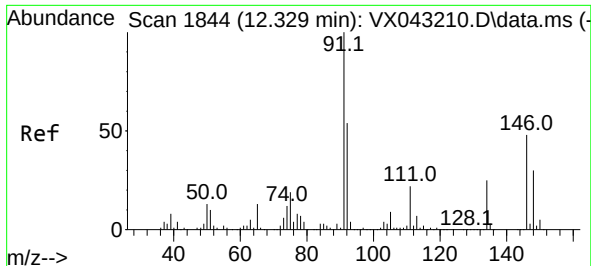
Tgt Ion:105 Resp: 1771
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#86
 p-Isopropyltoluene
 Concen: 0.518 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.037 min
 Lab File: VX043264.D
 Acq: 03 Oct 2024 15:58

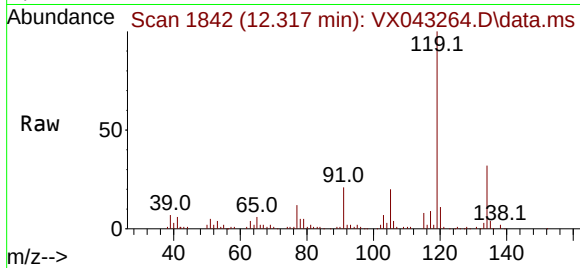
Tgt Ion:119 Resp: 2103
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 38.9
 91 34.5 13.0 39.0



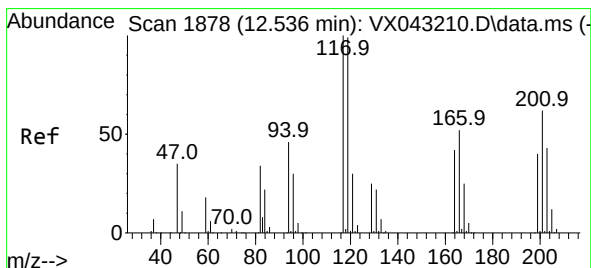
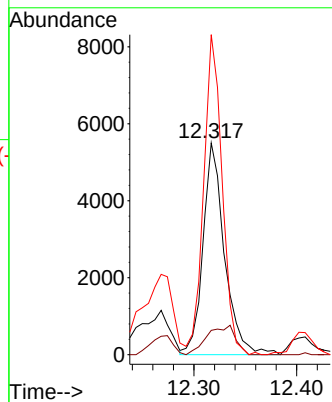
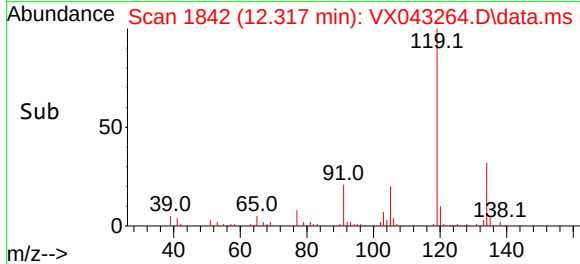


#89
n-Butylbenzene
Concen: 2.353 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.012 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :

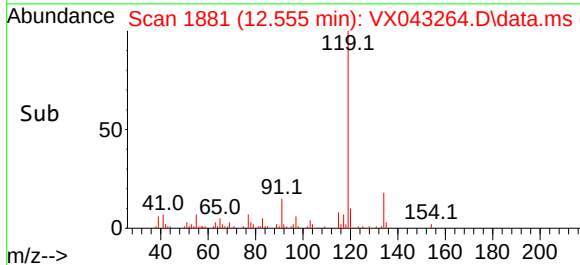
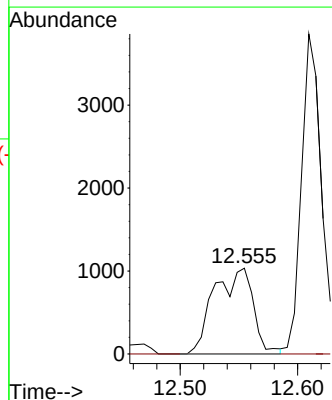
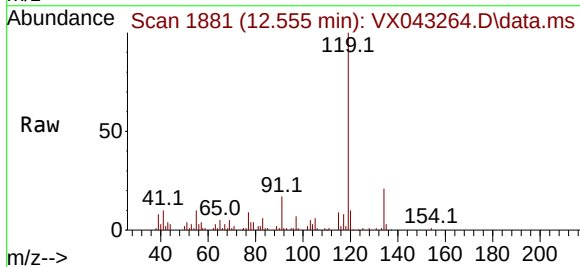


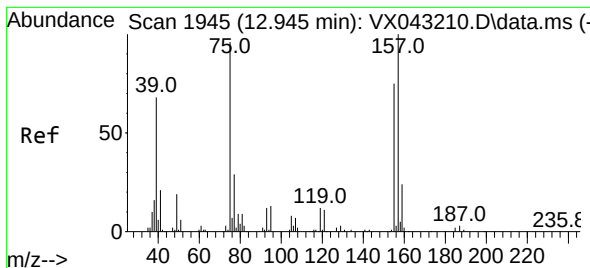
Tgt Ion	Ratio	Lower	Upper
91	100		
92	18.1	27.0	81.0#
134	129.8	12.9	38.6#



#90
Hexachloroethane
Concen: 3.142 ug/l
RT: 12.555 min Scan# 1881
Delta R.T. 0.018 min
Lab File: VX043264.D
Acq: 03 Oct 2024 15:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	0.0	34.0	101.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.654 ug/l

RT: 12.963 min Scan# 1948

Delta R.T. 0.018 min

Lab File: VX043264.D

Acq: 03 Oct 2024 15:58

Instrument :

MSVOA_X

ClientSampleId :

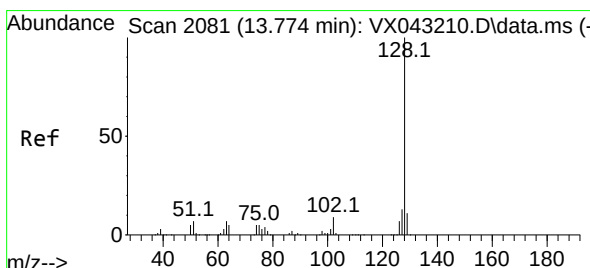
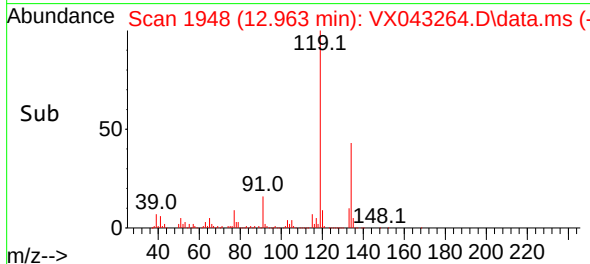
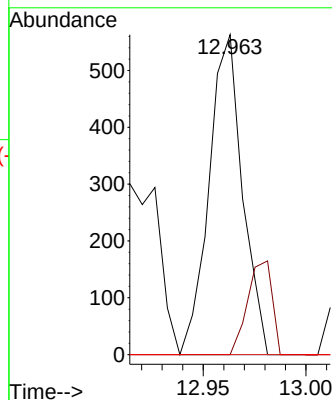
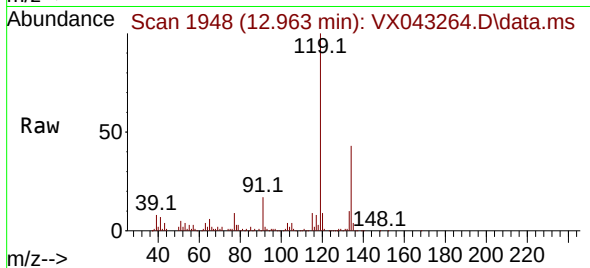
Tgt Ion: 75 Resp: 636

Ion Ratio Lower Upper

75 100

155 21.5 38.8 116.4#

157 0.0 49.0 147.0#



#95

Naphthalene

Concen: 0.324 ug/l

RT: 13.792 min Scan# 2084

Delta R.T. 0.018 min

Lab File: VX043264.D

Acq: 03 Oct 2024 15:58

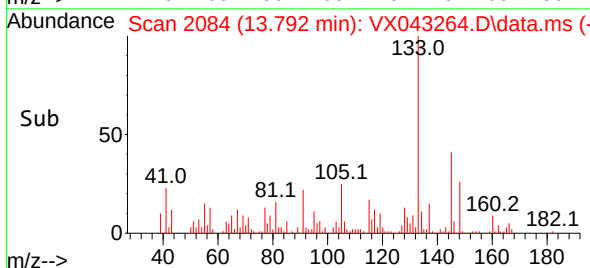
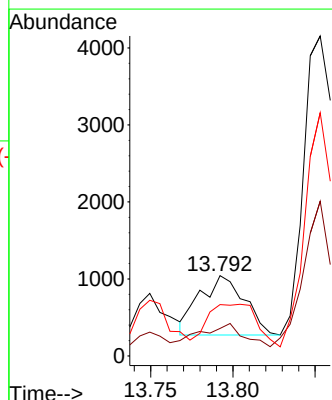
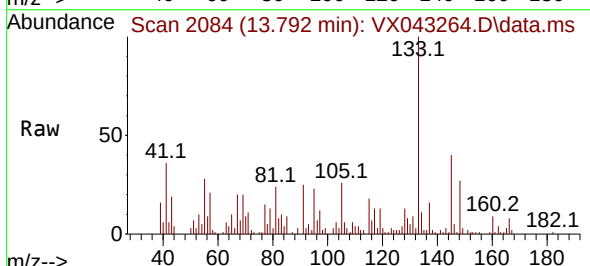
Tgt Ion: 128 Resp: 1457

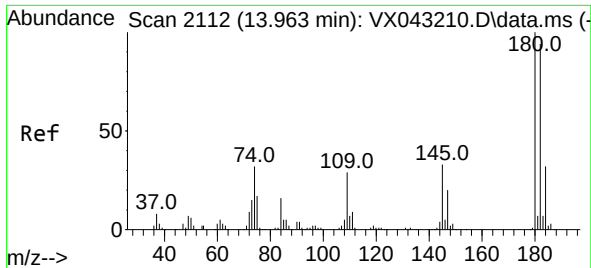
Ion Ratio Lower Upper

128 100

127 37.1 10.2 15.2#

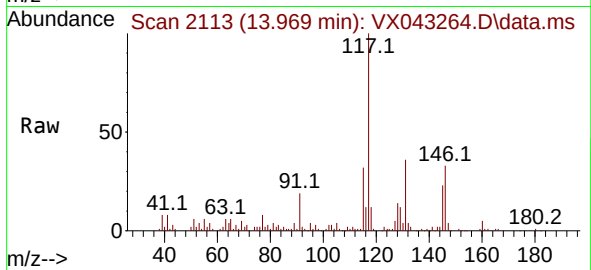
129 78.4 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.583 ug/l
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX043264.D
 Acq: 03 Oct 2024 15:58

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 735
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.5 139.3#
 145 1155.9 17.2 51.6#

