

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100324\
 Data File : VX043261.D
 Acq On : 03 Oct 2024 14:48
 Operator : JC/MD
 Sample : P4231-02DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 01:32:37 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)

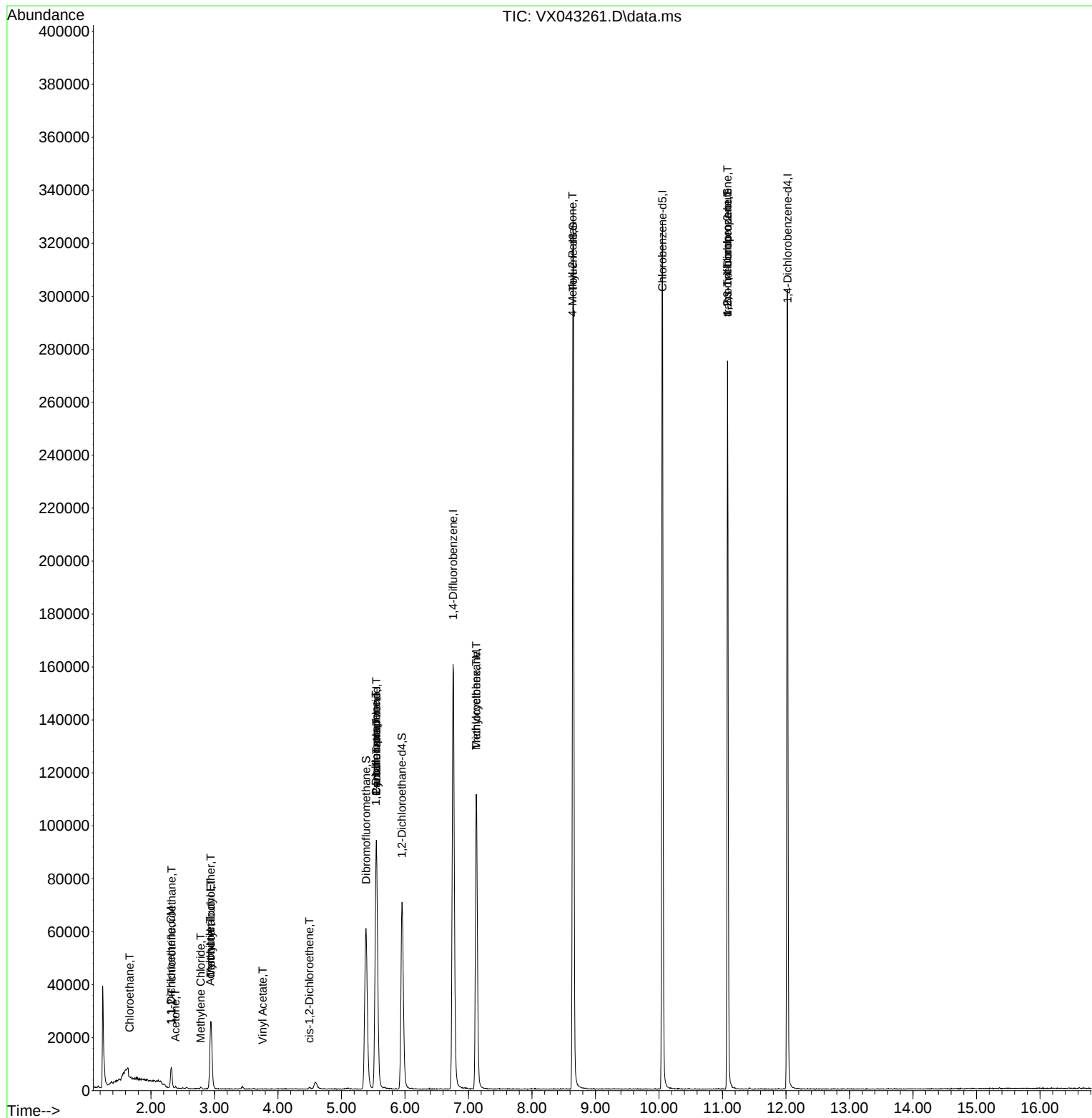
Internal Standards						
1) Pentafluorobenzene	5.550	168	85008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162281	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	146400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72284	52.066	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.140%	
35) Dibromofluoromethane	5.385	113	53781	48.055	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.120%	
50) Toluene-d8	8.647	98	197652	50.962	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.920%	
62) 4-Bromofluorobenzene	11.079	95	71678	50.872	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.740%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	1320	3.475	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	2555	2.686	ug/l	95
11) Tert butyl alcohol	2.941	59	15837	59.946	ug/l #	75
12) 1,1-Dichloroethene	2.313	96	851	0.901	ug/l	96
15) Acrylonitrile	2.934	53	280	0.519	ug/l #	16
16) Acetone	2.386	43	644	1.111	ug/l #	18
19) Methyl tert-butyl Ether	2.941	73	912	0.270	ug/l	91
20) Methylene Chloride	2.782	84	239	0.224	ug/l #	58
23) Vinyl Acetate	3.758	43	19	6.344	ug/l #	71
27) cis-1,2-Dichloroethene	4.495	96	262	0.223	ug/l	76
31) Cyclohexane	5.550	56	2173	1.451	ug/l #	2
36) 1,1-Dichloropropene	5.544	75	7456	5.274	ug/l #	50
38) Carbon Tetrachloride	5.550	117	9632	5.755	ug/l #	15
39) Methylcyclohexane	7.123	83	618	0.348	ug/l #	1
44) Trichloroethene	7.123	130	42601	37.469	ug/l	96
51) 4-Methyl-2-Pentanone	8.641	43	1055	0.619	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	38893	27.874	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	38893	72.239	ug/l #	8

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

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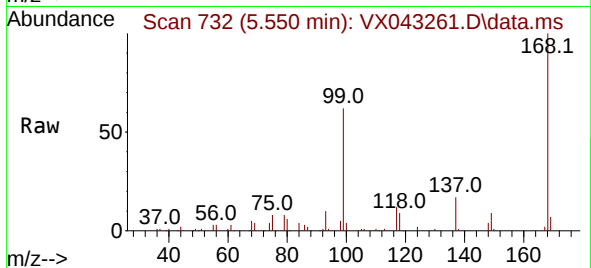
Quant Time: Oct 04 01:32:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
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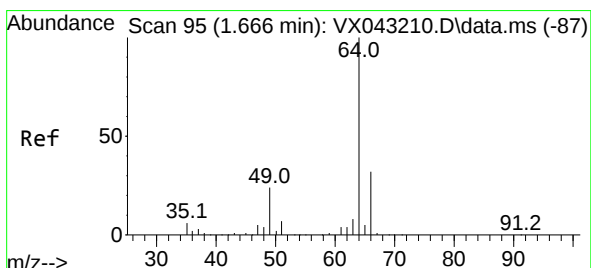
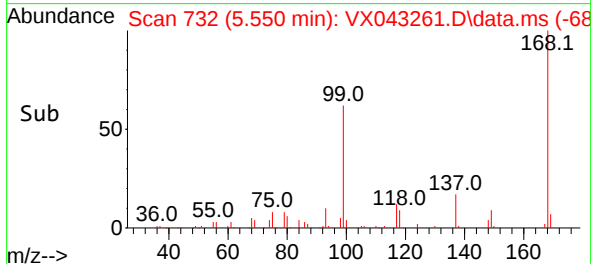
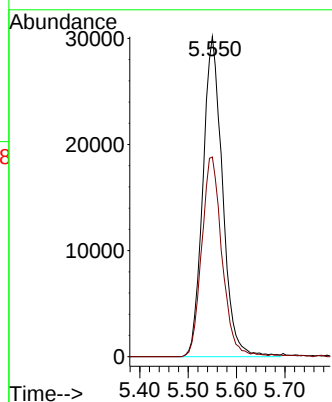


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

Instrument :
MSVOA_X
ClientSampleId :

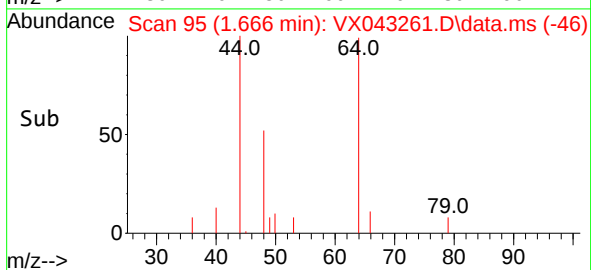
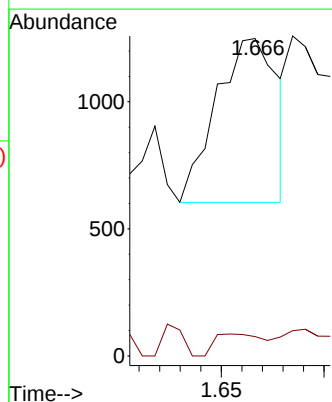
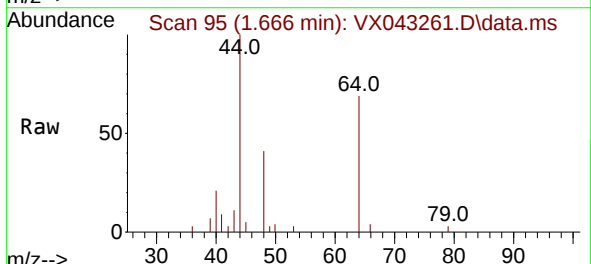


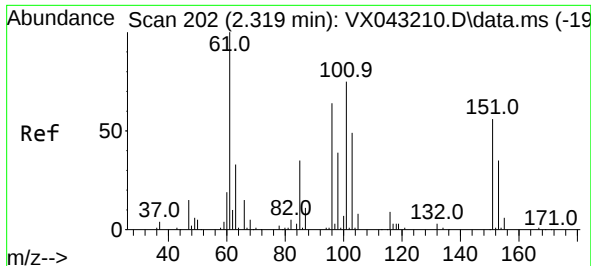
Tgt Ion:168 Resp: 85008
Ion Ratio Lower Upper
168 100
99 62.4 49.7 74.5



#6
Chloroethane
Concen: 3.475 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

Tgt Ion: 64 Resp: 1320
Ion Ratio Lower Upper
64 100
66 0.3 25.8 38.8#

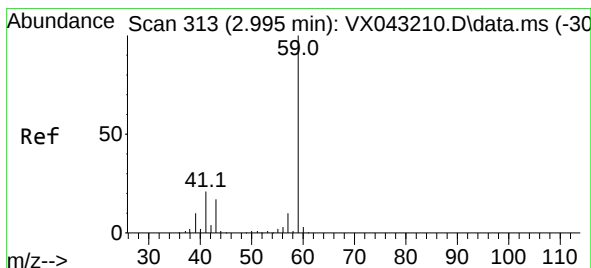
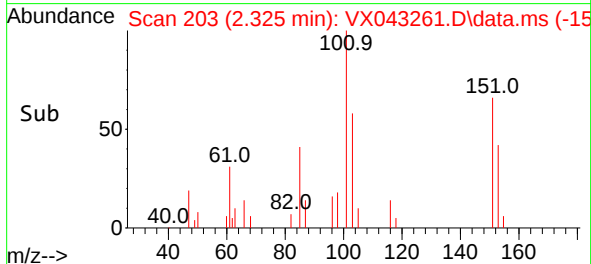
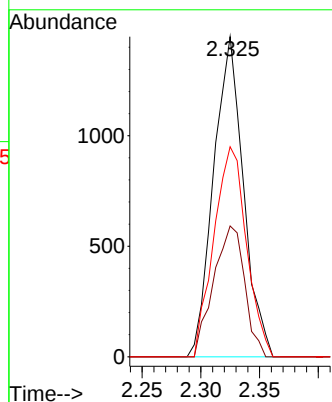
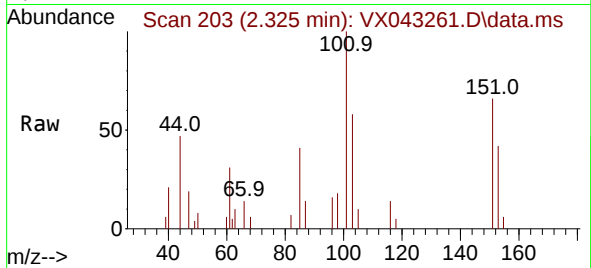




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.686 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

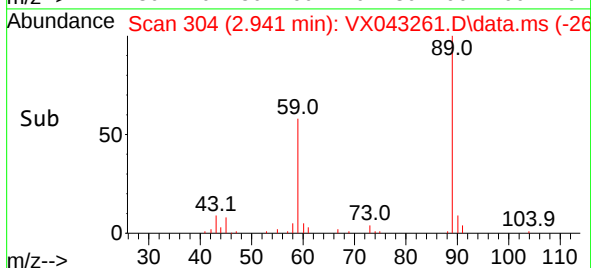
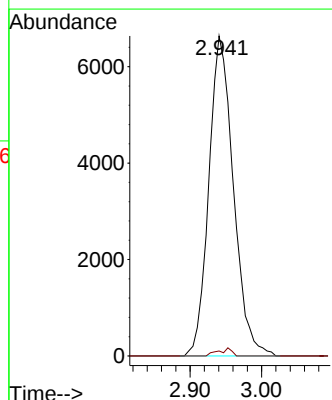
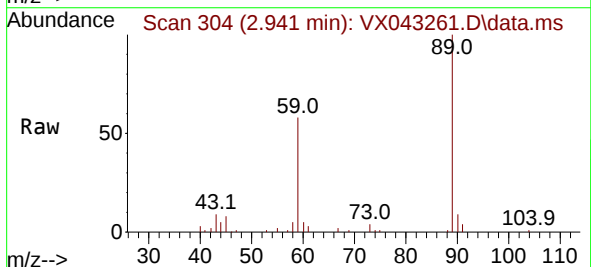
Instrument :
MSVOA_X
ClientSampleId :

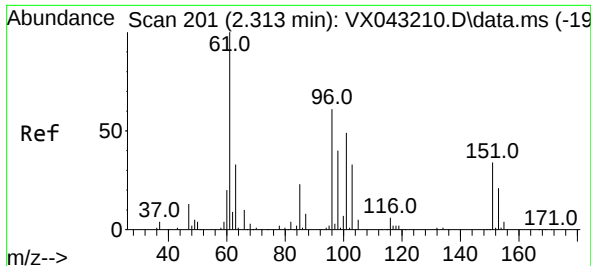
Tgt Ion:101 Resp: 2555
Ion Ratio Lower Upper
101 100
85 42.5 37.0 55.6
151 71.7 60.0 90.0



#11
Tert butyl alcohol
Concen: 59.946 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

Tgt Ion: 59 Resp: 15837
Ion Ratio Lower Upper
59 100
57 1.4 8.6 13.0#





#12

1,1-Dichloroethene

Concen: 0.901 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX043261.D

Acq: 03 Oct 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :

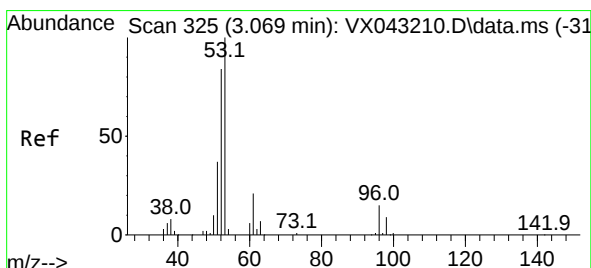
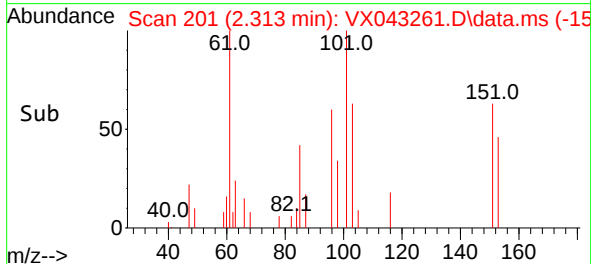
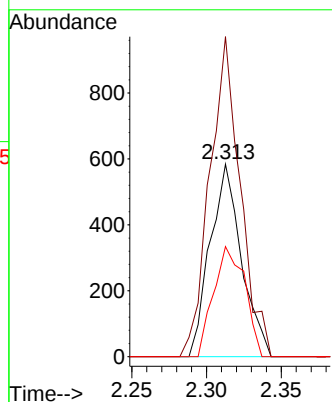
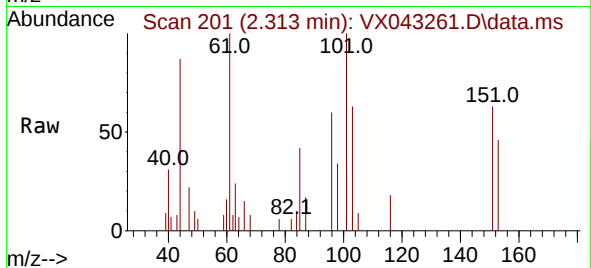
Tgt Ion: 96 Resp: 851

Ion Ratio Lower Upper

96 100

61 166.3 130.6 195.8

98 57.2 51.7 77.5



#15

Acrylonitrile

Concen: 0.519 ug/l

RT: 2.934 min Scan# 303

Delta R.T. -0.134 min

Lab File: VX043261.D

Acq: 03 Oct 2024 14:48

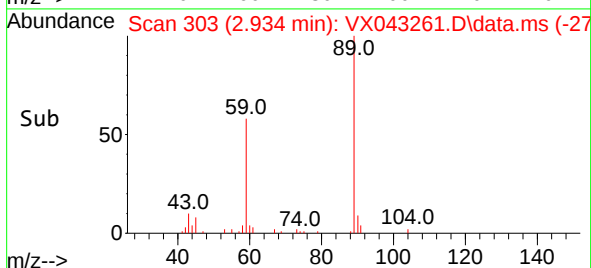
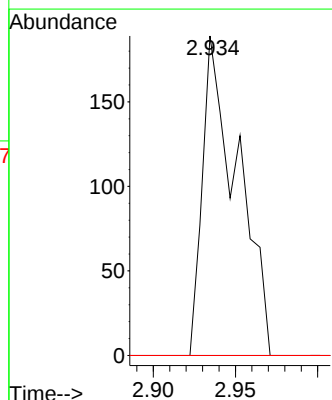
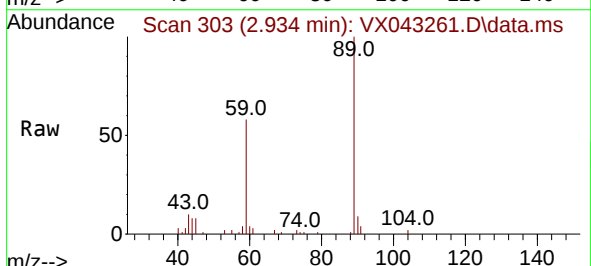
Tgt Ion: 53 Resp: 280

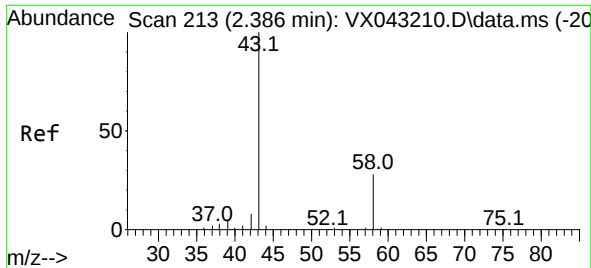
Ion Ratio Lower Upper

53 100

52 0.0 67.6 101.4#

51 0.0 30.3 45.5#





#16

Acetone

Concen: 1.111 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX043261.D

Acq: 03 Oct 2024 14:48

Instrument :

MSVOA_X

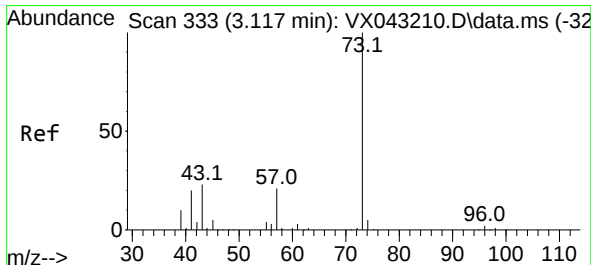
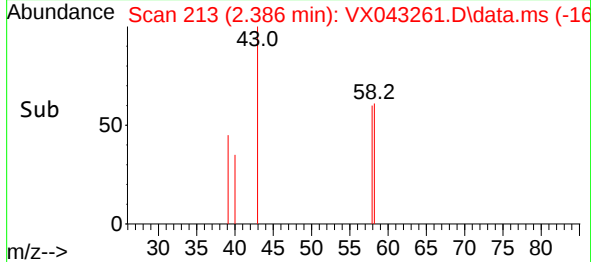
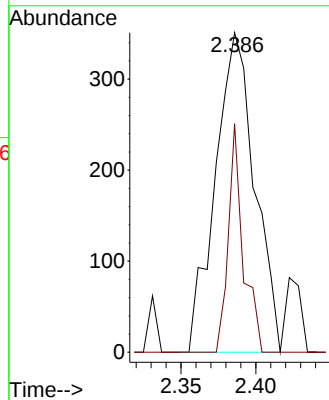
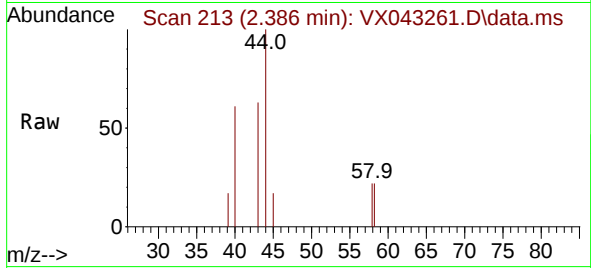
ClientSampleId :

Tgt Ion: 43 Resp: 644

Ion Ratio Lower Upper

43 100

58 71.5 22.6 33.8#



#19

Methyl tert-butyl Ether

Concen: 0.270 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.176 min

Lab File: VX043261.D

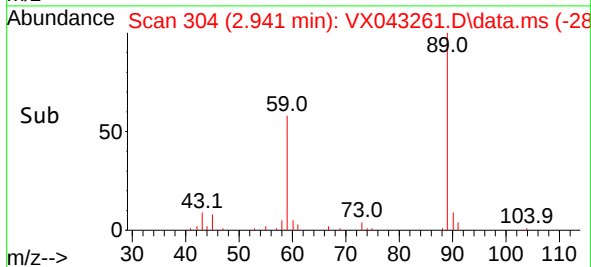
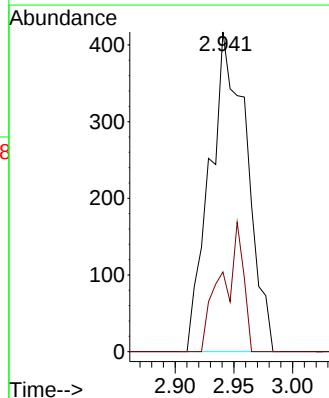
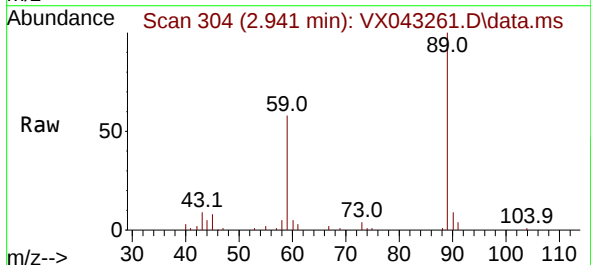
Acq: 03 Oct 2024 14:48

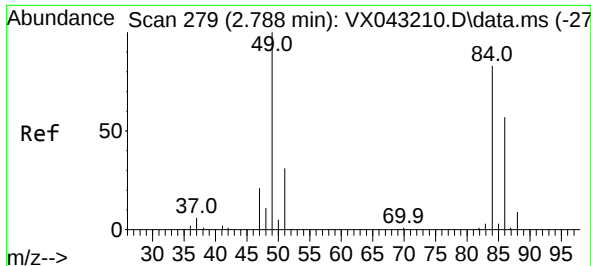
Tgt Ion: 73 Resp: 912

Ion Ratio Lower Upper

73 100

57 24.9 16.7 25.1





#20

Methylene Chloride

Concen: 0.224 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

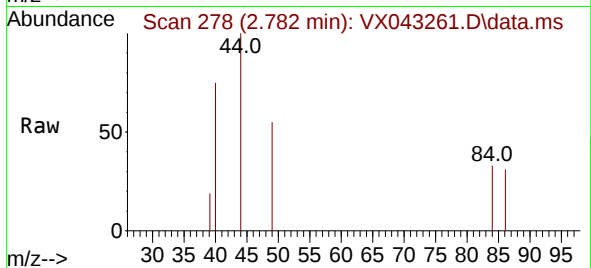
Lab File: VX043261.D

Acq: 03 Oct 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 239

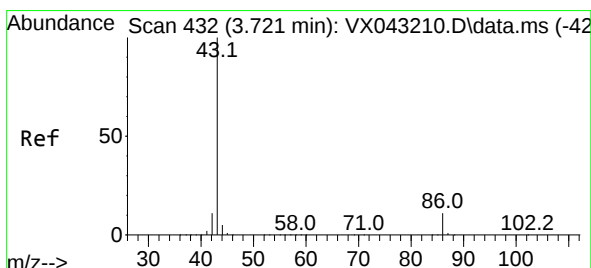
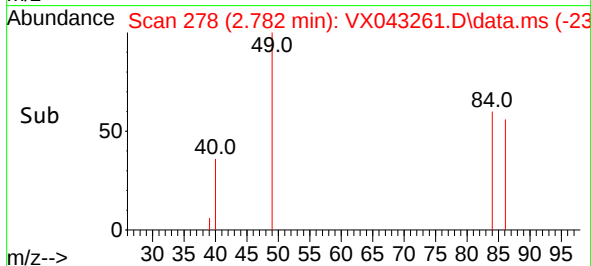
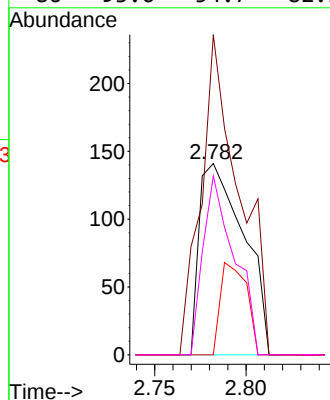
Ion Ratio Lower Upper

84 100

49 167.4 96.7 145.1#

51 0.0 30.4 45.6#

86 93.6 54.7 82.1#



#23

Vinyl Acetate

Concen: 6.344 ug/l

RT: 3.758 min Scan# 438

Delta R.T. 0.037 min

Lab File: VX043261.D

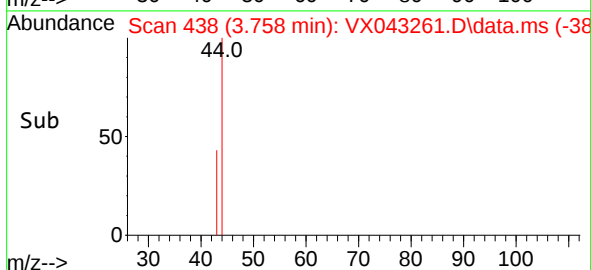
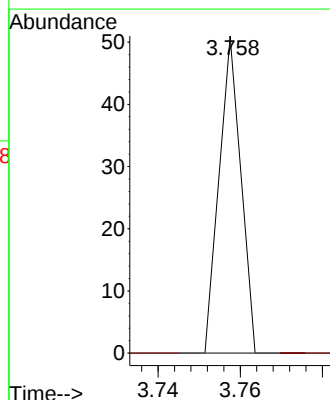
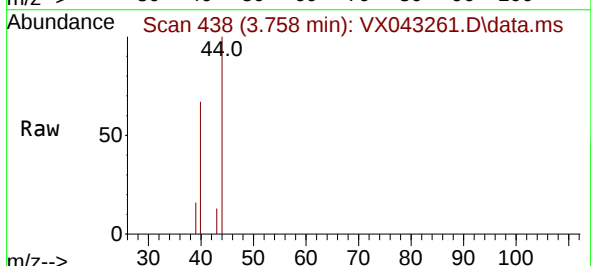
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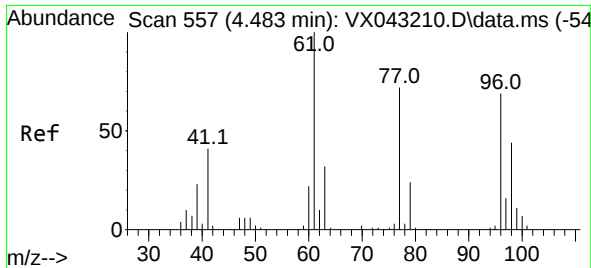
Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

86 0.0 8.8 13.2#





#27

cis-1,2-Dichloroethene

Concen: 0.223 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

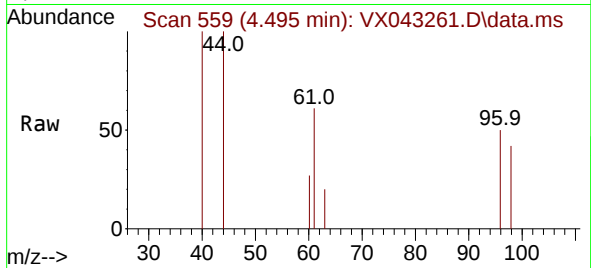
Lab File: VX043261.D

Acq: 03 Oct 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :



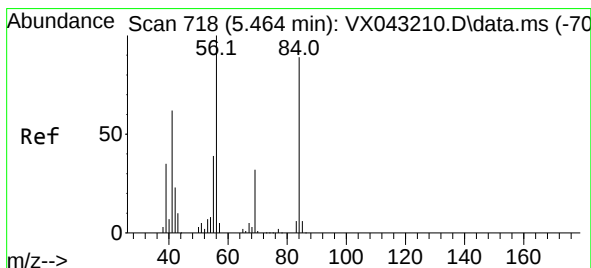
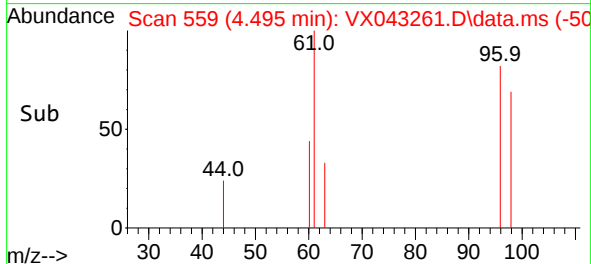
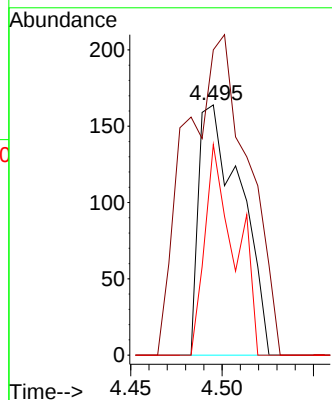
Tgt Ion: 96 Resp: 262

Ion Ratio Lower Upper

96 100

61 189.7 0.0 298.2

98 60.7 0.0 128.6



#31

Cyclohexane

Concen: 1.451 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX043261.D

Acq: 03 Oct 2024 14:48

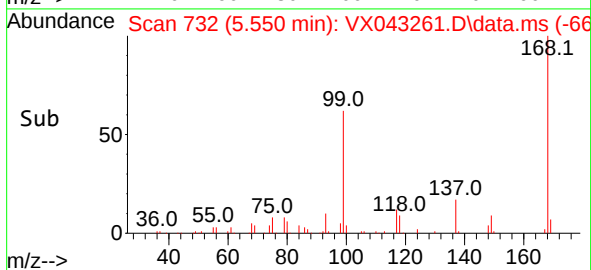
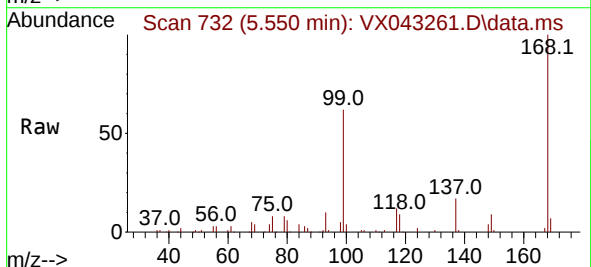
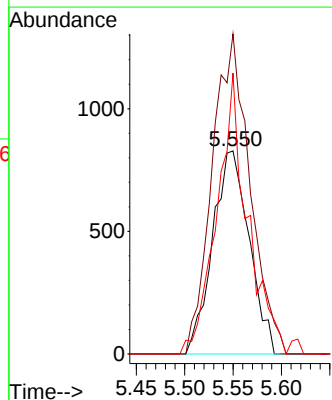
Tgt Ion: 56 Resp: 2173

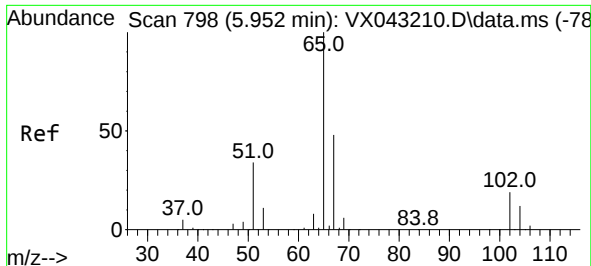
Ion Ratio Lower Upper

56 100

69 157.6 25.8 38.6#

84 138.3 71.1 106.7#

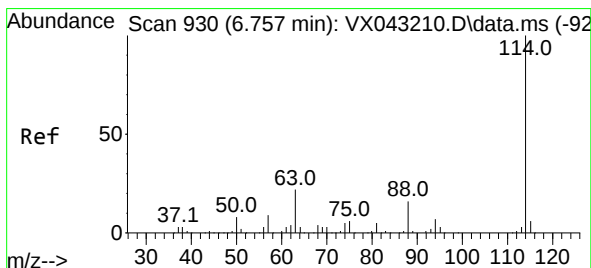
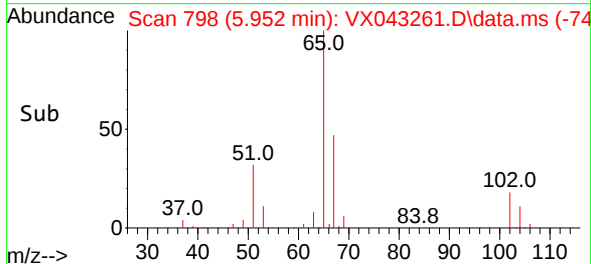
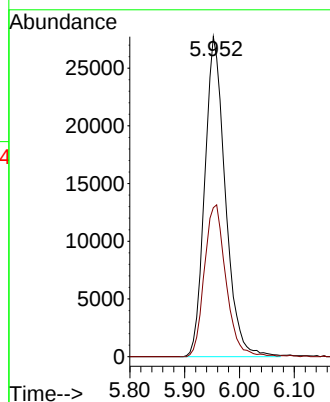
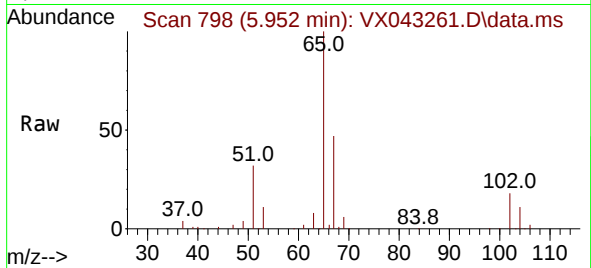




#33
 1,2-Dichloroethane-d4
 Concen: 52.066 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX043261.D
 Acq: 03 Oct 2024 14:48

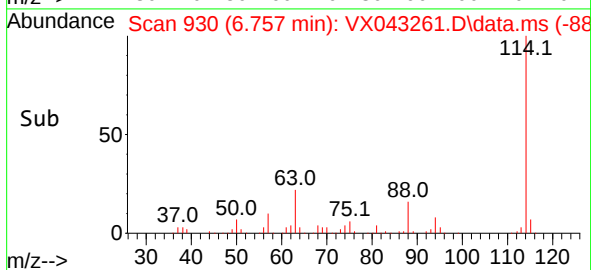
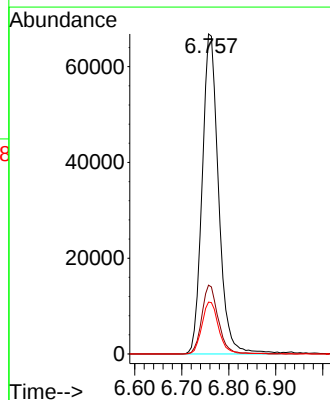
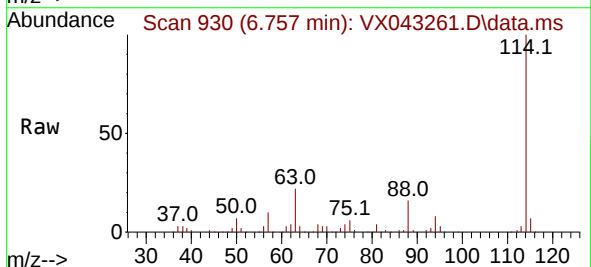
Instrument :
 MSVOA_X
 ClientSampleId :

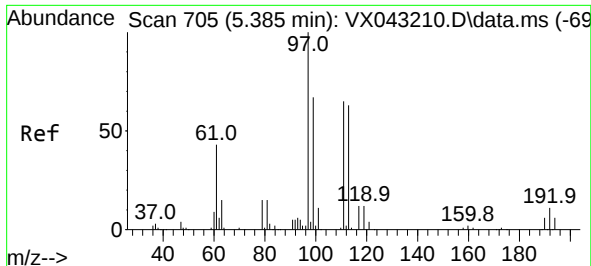
Tgt Ion: 65 Resp: 72284
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX043261.D
 Acq: 03 Oct 2024 14:48

Tgt Ion: 114 Resp: 162281
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.0
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.055 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

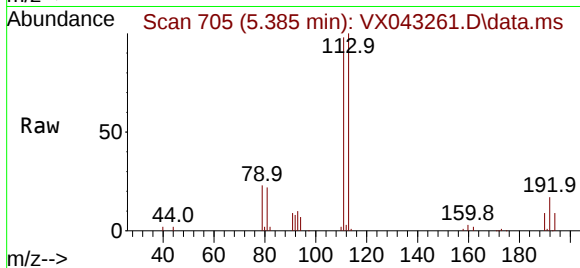
Lab File: VX043261.D

Acq: 03 Oct 2024 14:48

Instrument :

MSVOA_X

ClientSampleId :



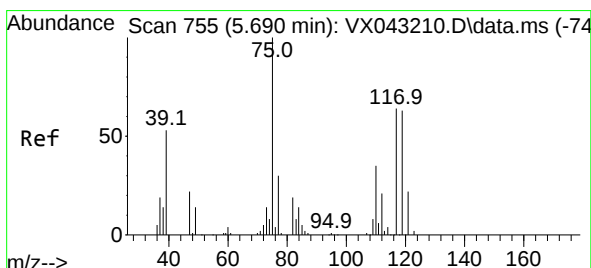
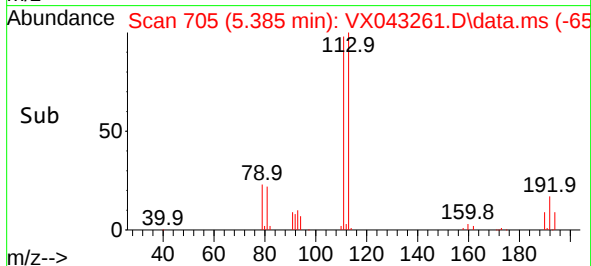
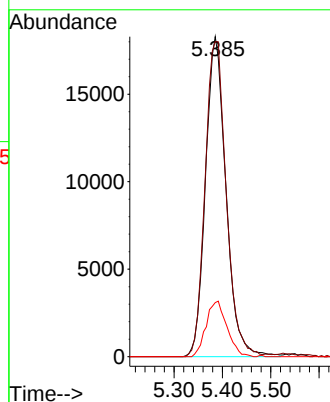
Tgt Ion:113 Resp: 53781

Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.0

192 17.7 14.1 21.1



#36

1,1-Dichloropropene

Concen: 5.274 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX043261.D

Acq: 03 Oct 2024 14:48

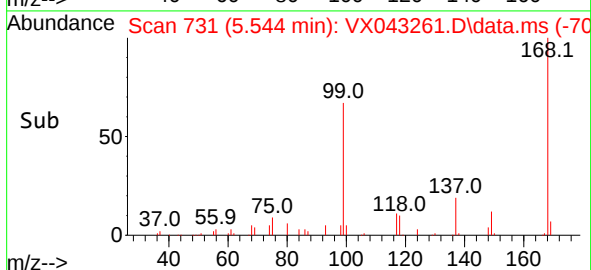
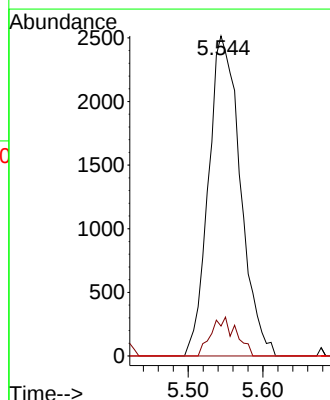
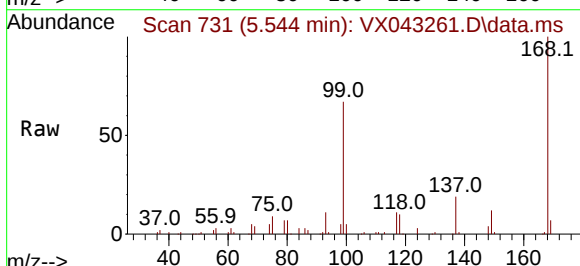
Tgt Ion: 75 Resp: 7456

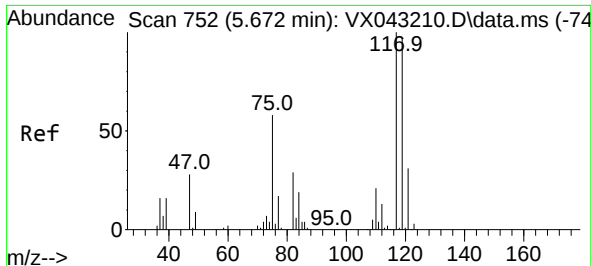
Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.3#

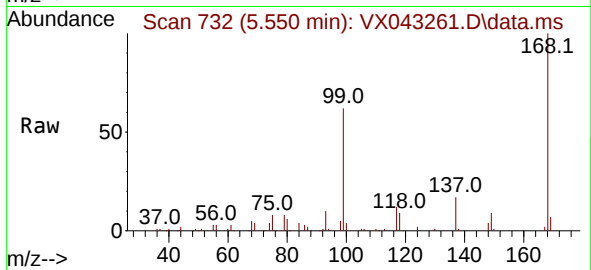
77 0.0 24.9 37.3#



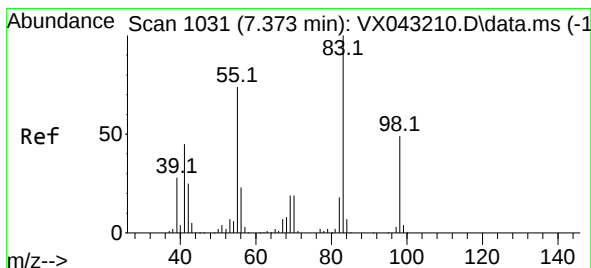
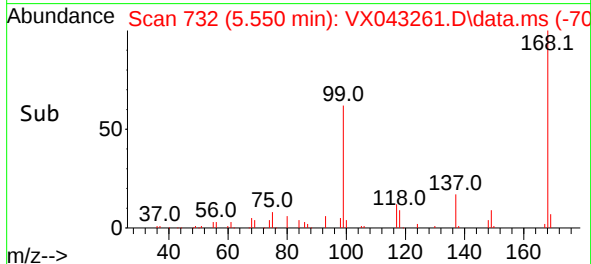
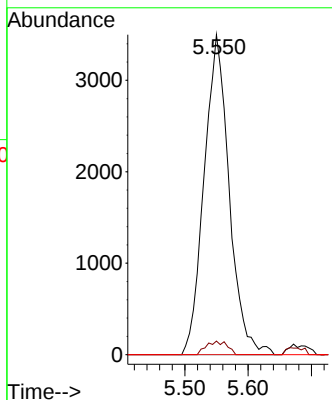


#38
Carbon Tetrachloride
Concen: 5.755 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

Instrument :
MSVOA_X
ClientSampleId :

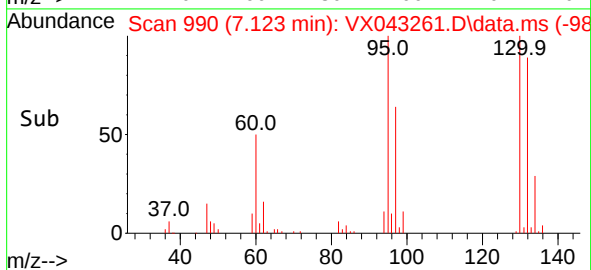
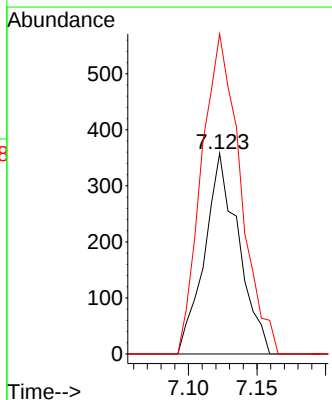
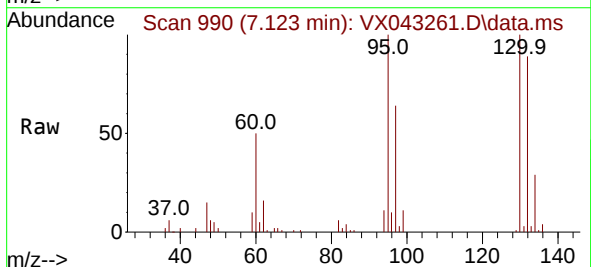


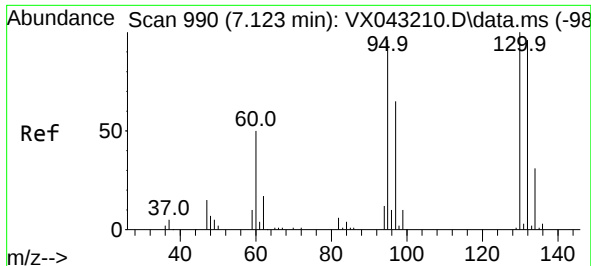
Tgt Ion:117 Resp: 9632
Ion Ratio Lower Upper
117 100
119 4.2 77.7 116.5#
121 0.0 24.3 36.5#



#39
Methylcyclohexane
Concen: 0.348 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

Tgt Ion: 83 Resp: 618
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.2#
98 159.5 39.3 58.9#

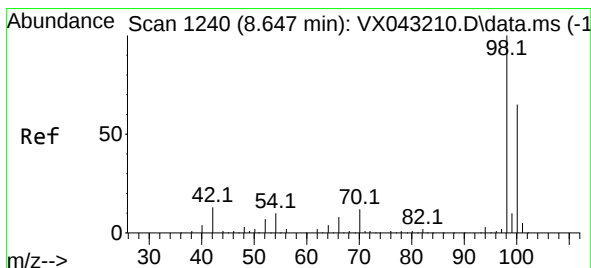
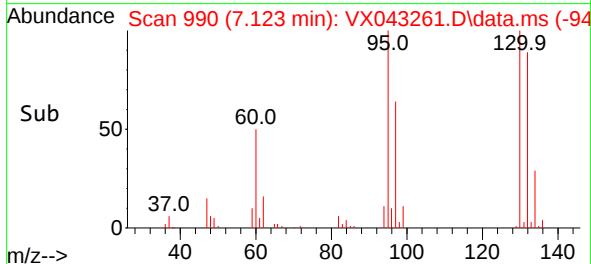
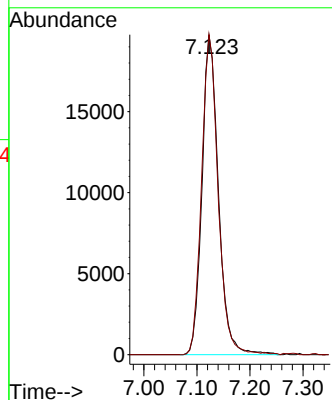
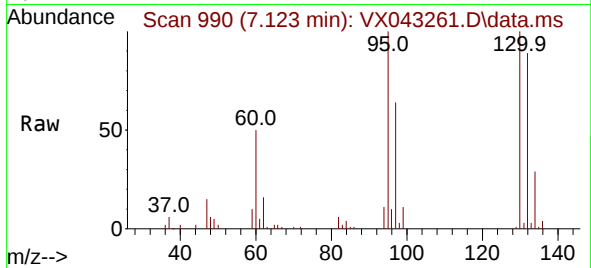




#44
Trichloroethene
Concen: 37.469 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

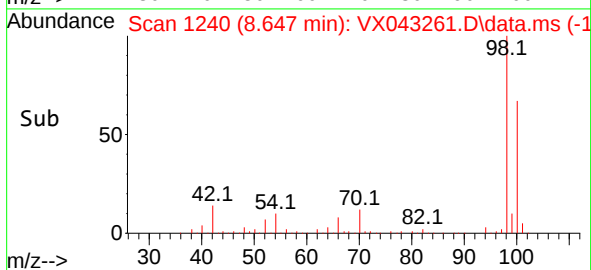
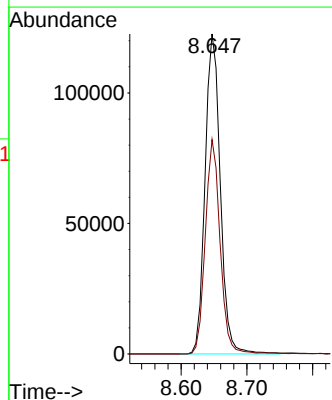
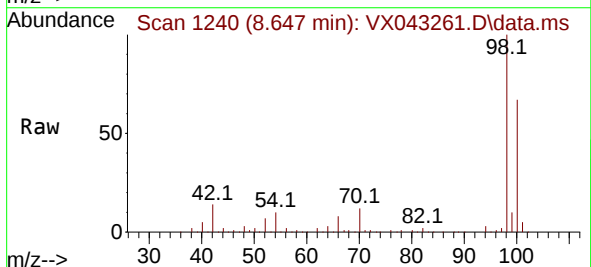
Instrument :
MSVOA_X
ClientSampleId :

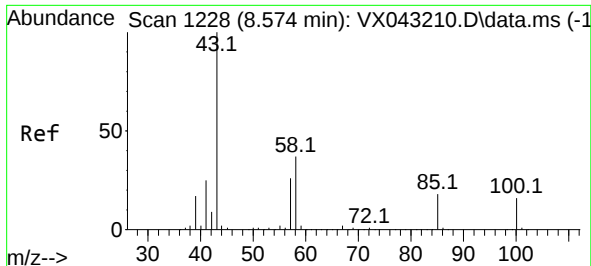
Tgt Ion:130 Resp: 42601
Ion Ratio Lower Upper
130 100
95 100.3 0.0 192.2



#50
Toluene-d8
Concen: 50.962 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

Tgt Ion: 98 Resp: 197652
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 0.619 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX043261.D

Acq: 03 Oct 2024 14:48

Instrument :

MSVOA_X

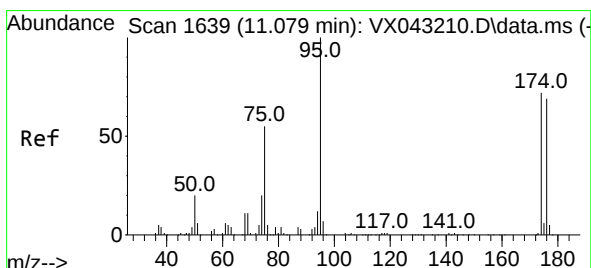
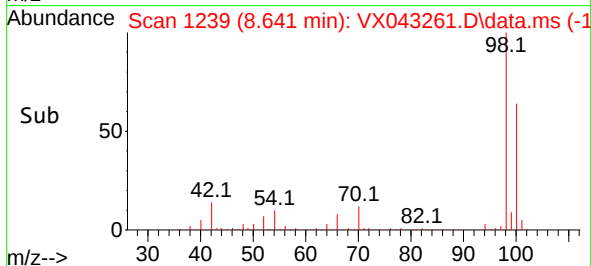
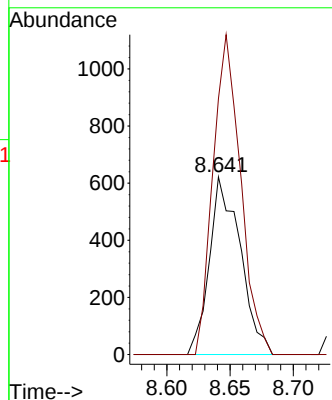
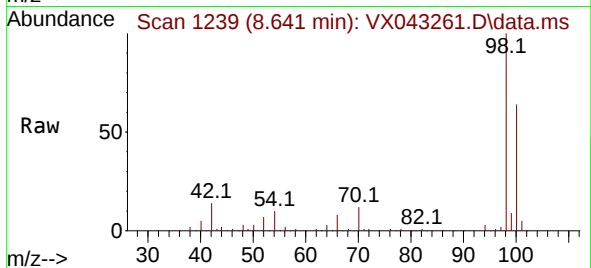
ClientSampleId :

Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

58 161.3 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 50.872 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043261.D

Acq: 03 Oct 2024 14:48

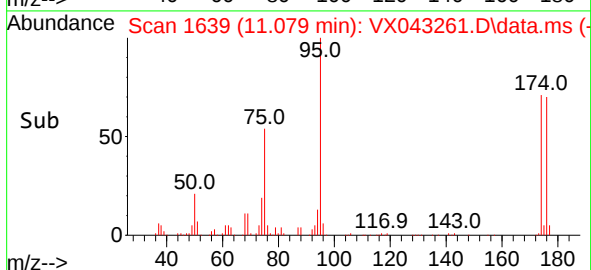
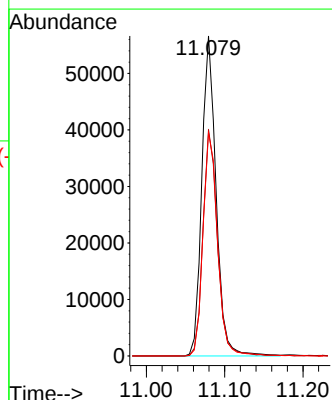
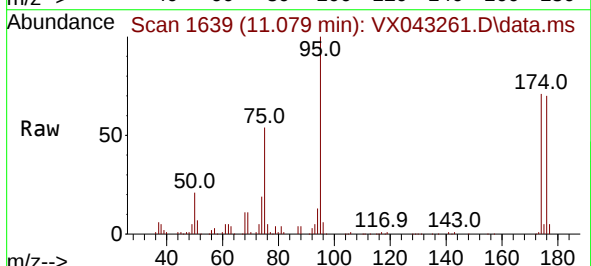
Tgt Ion: 95 Resp: 71678

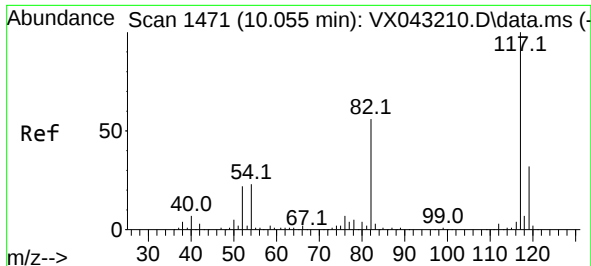
Ion Ratio Lower Upper

95 100

174 71.5 0.0 145.0

176 71.3 0.0 143.0

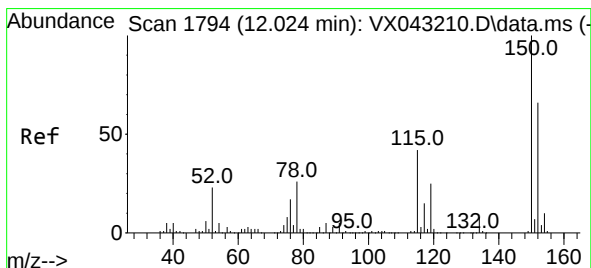
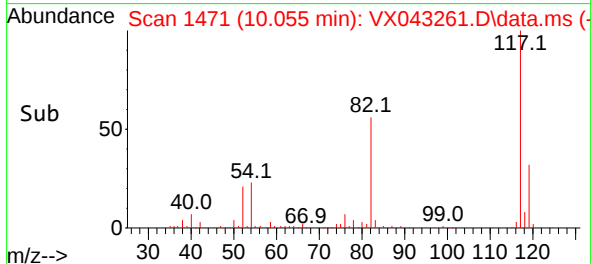
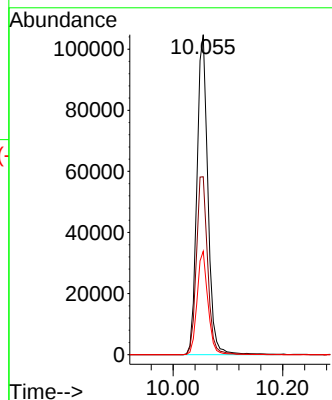
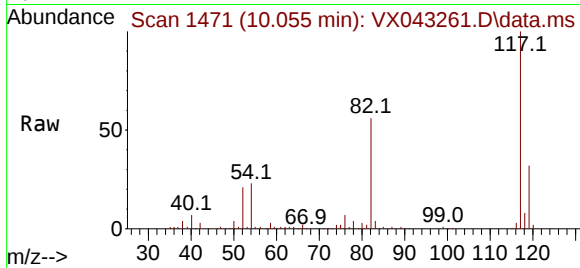




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

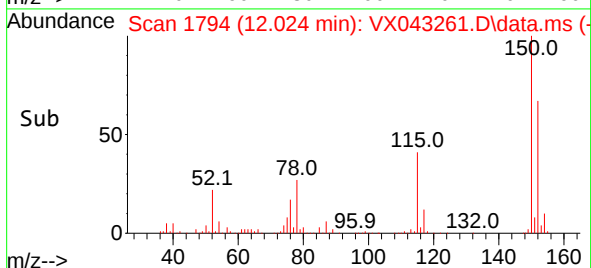
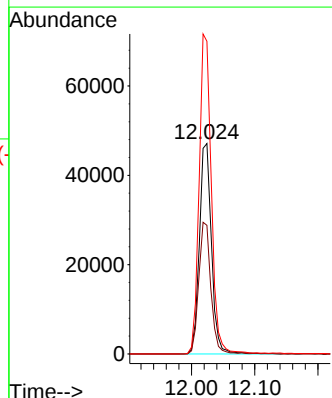
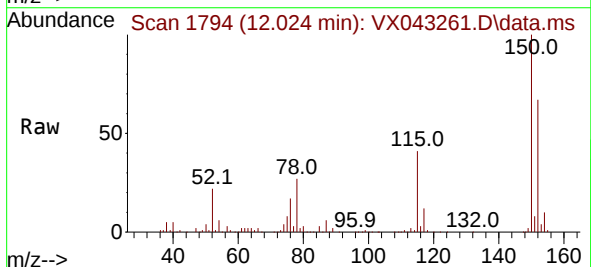
Instrument :
MSVOA_X
ClientSampleId :

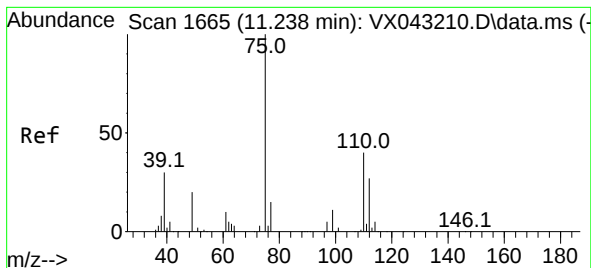
Tgt Ion:117 Resp: 146400
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.6
119 32.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

Tgt Ion:152 Resp: 62906
Ion Ratio Lower Upper
152 100
115 62.9 44.1 132.3
150 153.0 0.0 347.4

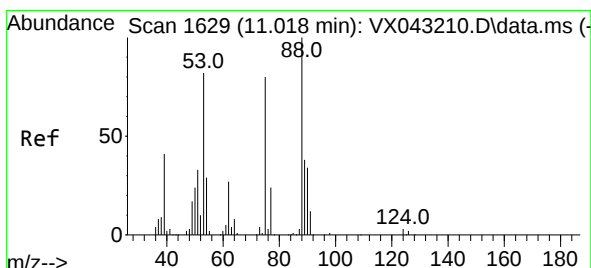
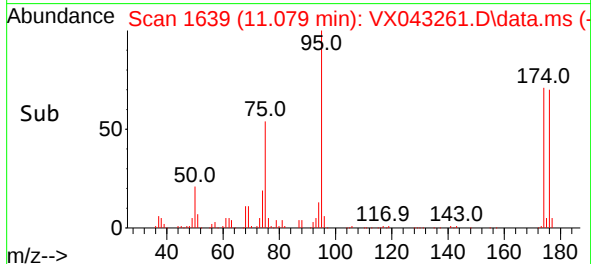
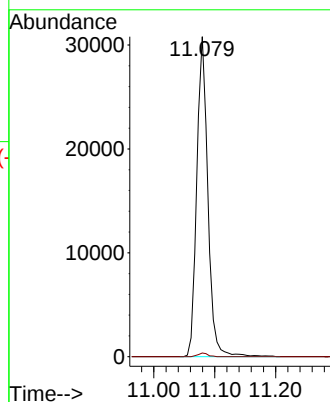
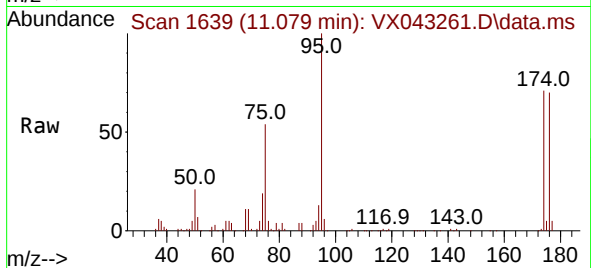




#76
1,2,3-Trichloropropane
Concen: 27.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 38893
Ion Ratio Lower Upper
75 100
77 1.0 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.239 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043261.D
Acq: 03 Oct 2024 14:48

Tgt Ion: 75 Resp: 38893
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

