

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081424\
 Data File : VX043034.D
 Acq On : 14 Aug 2024 16:19
 Operator : JC/MD
 Sample : P3542-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

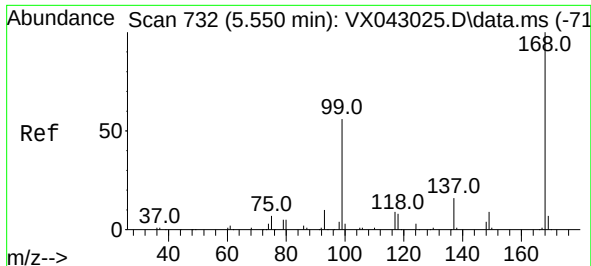
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 15 04:35:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 04:22:11 2024
 Response via : Initial Calibration

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

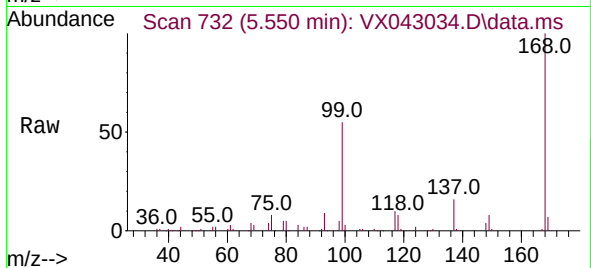
Internal Standards						
1) Pentafluorobenzene	5.550	168	81704	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	142385	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48917	45.564	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.120%
35) Dibromofluoromethane	5.385	113	43745	49.663	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.320%
50) Toluene-d8	8.647	98	172121	50.620	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.240%
62) 4-Bromofluorobenzene	11.079	95	55030	44.633	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.260%
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	873	0.714	ug/l	# 84
5) Bromomethane	1.618	94	647	1.739	ug/l	# 43
10) Methyl Iodide	2.447	142	166	0.608	ug/l	# 34
11) Tert butyl alcohol	3.001	59	79	0.285	ug/l	# 1
13) Acrolein	2.245	56	672	2.400	ug/l	# 14
15) Acrylonitrile	3.081	53	146	0.213	ug/l	# 37
16) Acetone	2.386	43	1544	2.900	ug/l	# 84
17) Carbon Disulfide	2.502	76	1922	0.680	ug/l	# 83
18) Methyl Acetate	2.709	43	683	0.388	ug/l	# 53
20) Methylene Chloride	2.788	84	900	0.731	ug/l	# 91
21) trans-1,2-Dichloroethene	3.093	96	297	0.289	ug/l	85
25) 2-Butanone	4.593	43	224	0.240	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	8000	6.465	ug/l	# 15
48) Methyl methacrylate	7.690	41	74	0.462	ug/l	# 4
51) 4-Methyl-2-Pentanone	8.592	43	535	0.303	ug/l	# 37
68) m/p-Xylenes	10.311	106	532	0.300	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	27200	24.170	ug/l	# 39
79) 2-Chlorotoluene	11.366	91	554	0.209	ug/l	77
81) trans-1,4-Dichloro-2-b...	11.079	75	27200	52.720	ug/l	# 5
82) 4-Chlorotoluene	11.469	91	729	0.246	ug/l	100
87) 1,3-Dichlorobenzene	11.975	146	497	0.307	ug/l	89
88) 1,4-Dichlorobenzene	11.975	146	497	0.300	ug/l	90
89) n-Butylbenzene	12.347	91	853	0.311	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	395	0.242	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	546	0.595	ug/l	91
95) Naphthalene	13.780	128	3607	0.995	ug/l	# 94
96) 1,2,3-Trichlorobenzene	13.969	180	620	0.660	ug/l	98

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

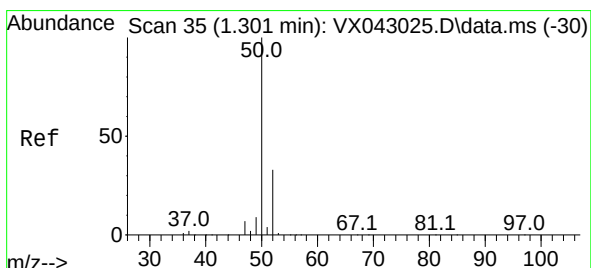
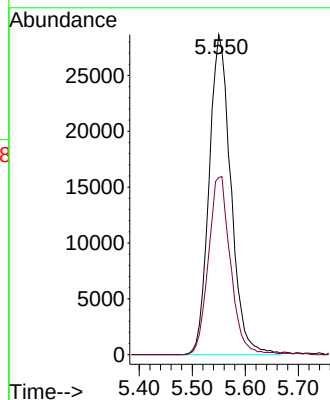
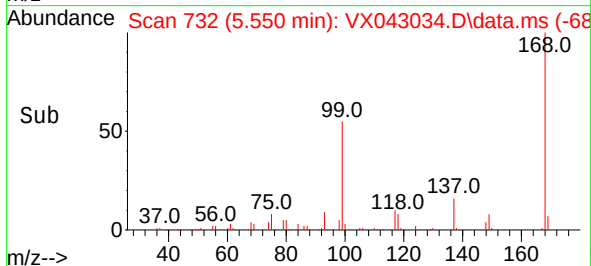


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

Instrument :
MSVOA_X
ClientSampleId :

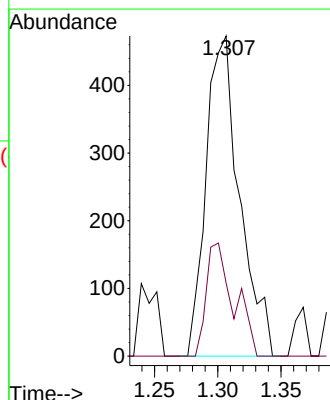
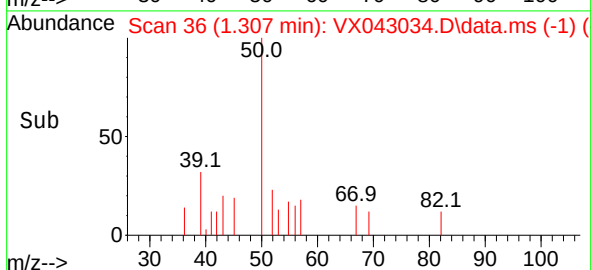
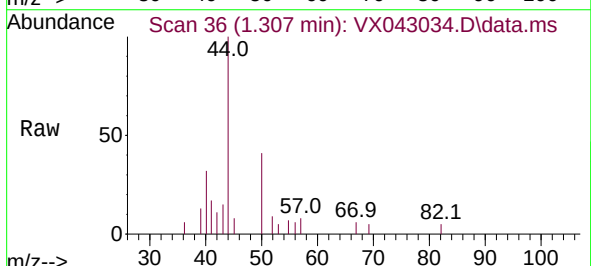


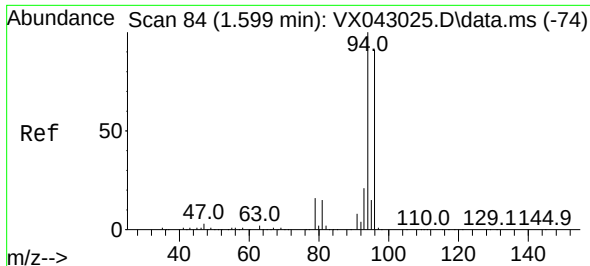
Tgt Ion:168 Resp: 81704
Ion Ratio Lower Upper
168 100
99 55.4 56.6 85.0#



#3
Chloromethane
Concen: 0.714 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

Tgt Ion: 50 Resp: 873
Ion Ratio Lower Upper
50 100
52 22.8 25.5 38.3#

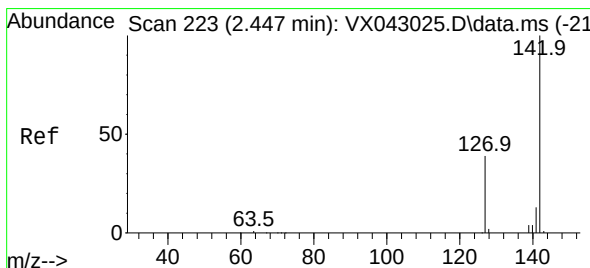
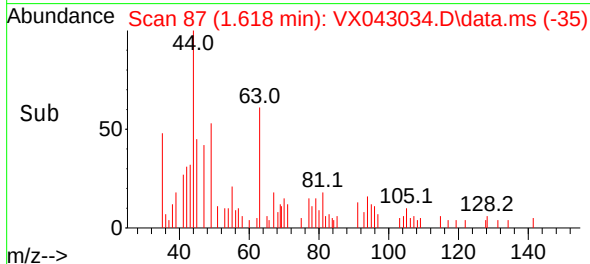
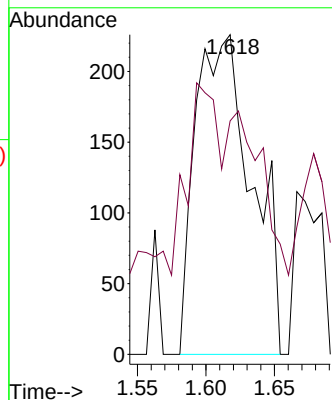
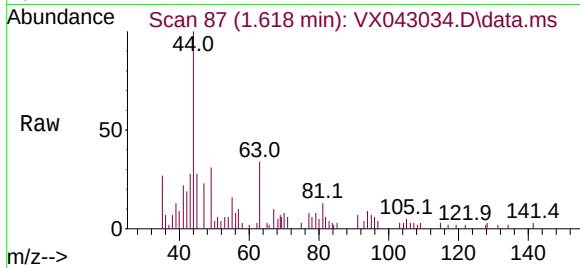




#5
Bromomethane
Concen: 1.739 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

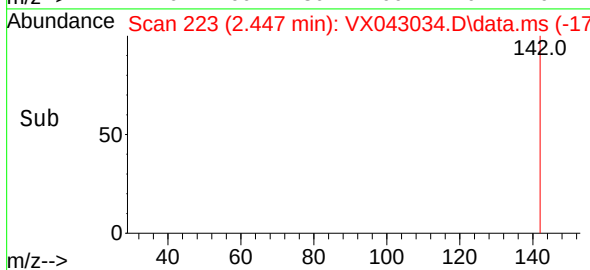
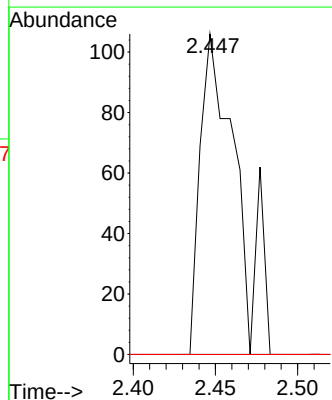
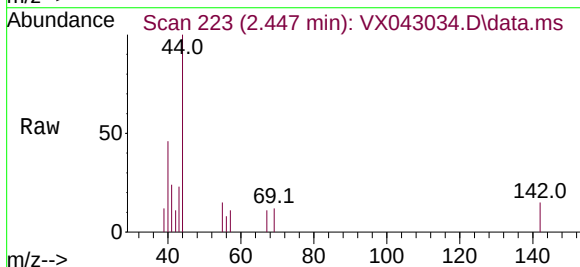
Instrument :
MSVOA_X
ClientSampleId :

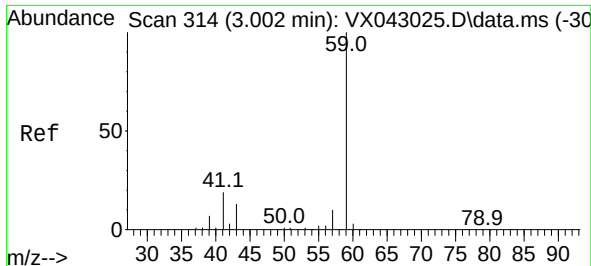
Tgt Ion: 94 Resp: 647
Ion Ratio Lower Upper
94 100
96 38.5 74.6 111.8#



#10
Methyl Iodide
Concen: 0.608 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

Tgt Ion: 142 Resp: 166
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 0.285 ug/l

RT: 3.001 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

Instrument :

MSVOA_X

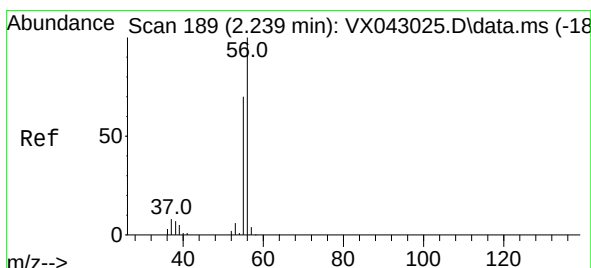
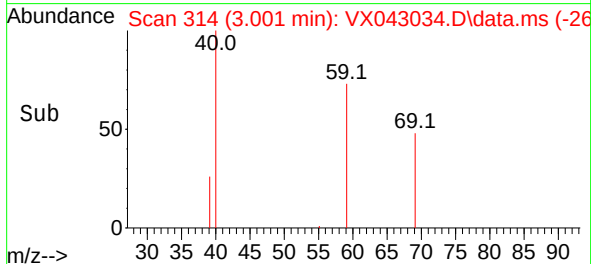
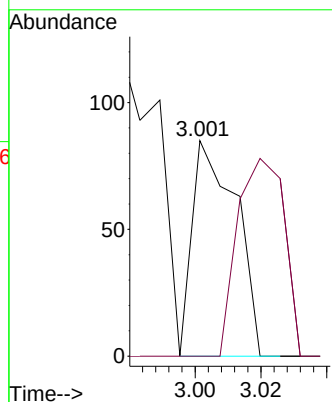
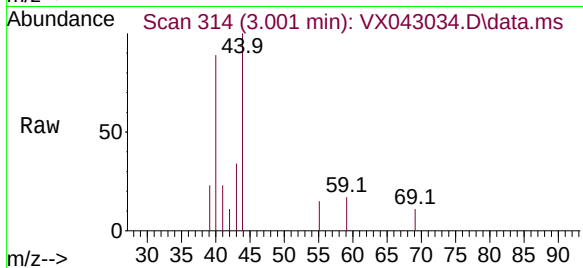
ClientSampleId :

Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

59 100

57 97.5 6.0 9.0#



#13

Acrolein

Concen: 2.400 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX043034.D

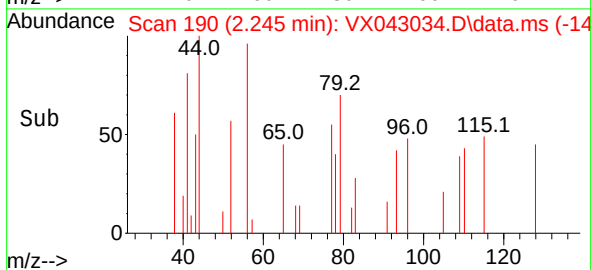
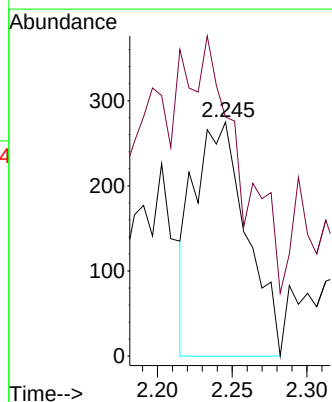
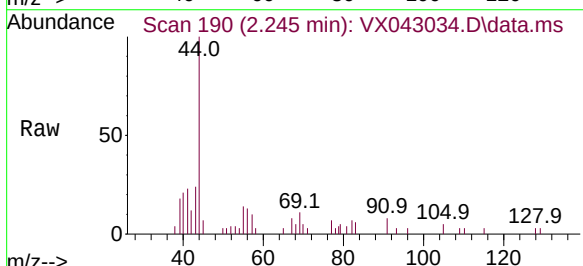
Acq: 14 Aug 2024 16:19

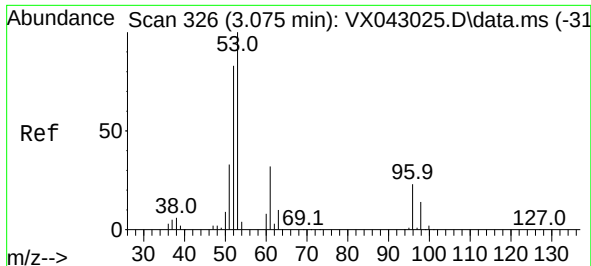
Tgt Ion: 56 Resp: 672

Ion Ratio Lower Upper

56 100

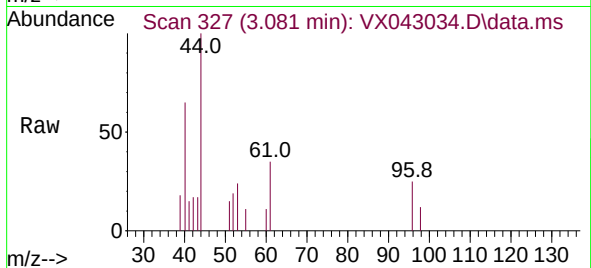
55 0.0 57.1 85.7#



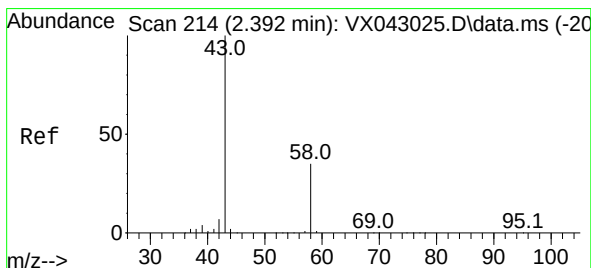
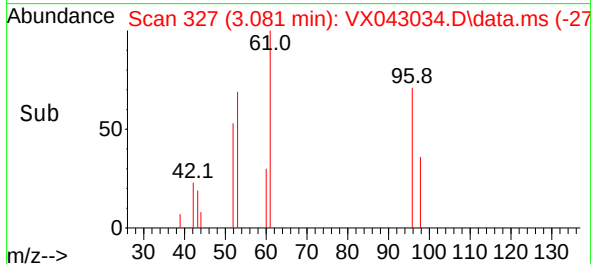
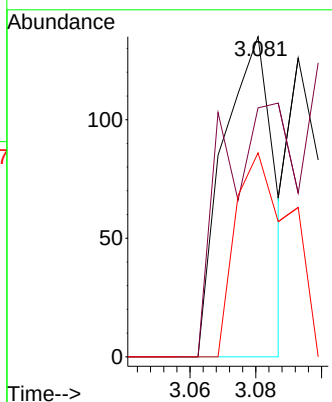


#15
Acrylonitrile
Concen: 0.213 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

Instrument :
MSVOA_X
ClientSampleId :

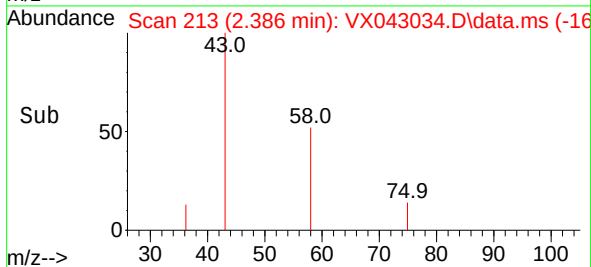
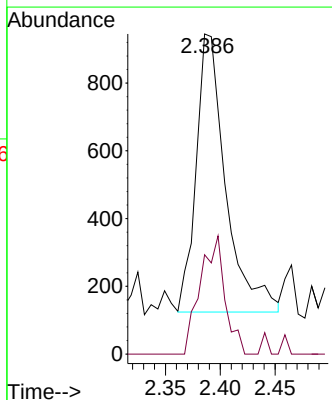
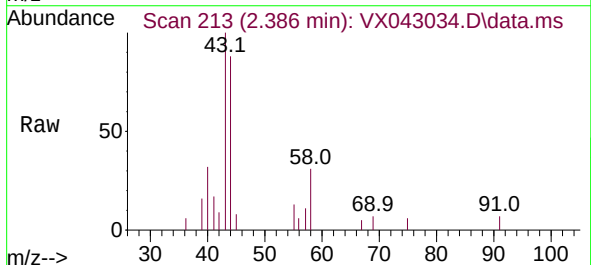


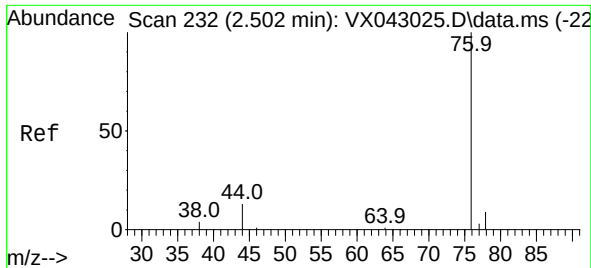
Tgt Ion: 53 Resp: 146
Ion Ratio Lower Upper
53 100
52 143.8 66.0 99.0#
51 68.5 29.8 44.6#



#16
Acetone
Concen: 2.900 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

Tgt Ion: 43 Resp: 1544
Ion Ratio Lower Upper
43 100
58 35.8 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.680 ug/l

RT: 2.502 min Scan# 24

Delta R.T. -0.000 min

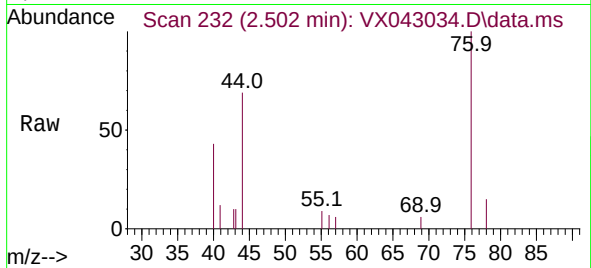
Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

Instrument :

MSVOA_X

ClientSampleId :

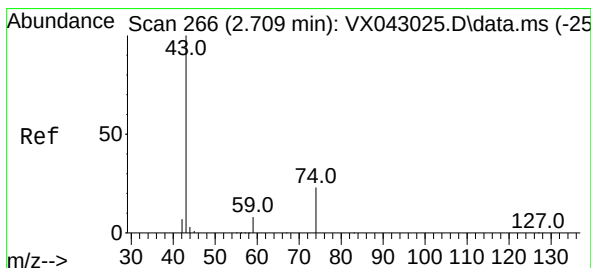
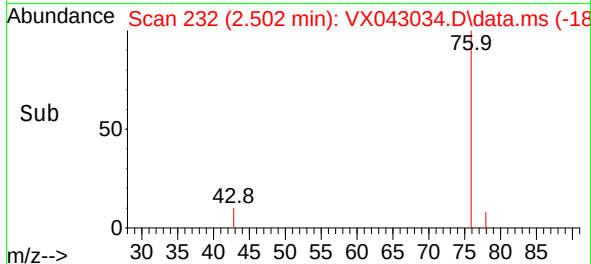
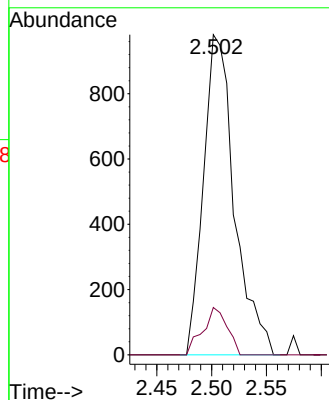


Tgt Ion: 76 Resp: 1922

Ion Ratio Lower Upper

76 100

78 14.8 7.0 10.6#



#18

Methyl Acetate

Concen: 0.388 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX043034.D

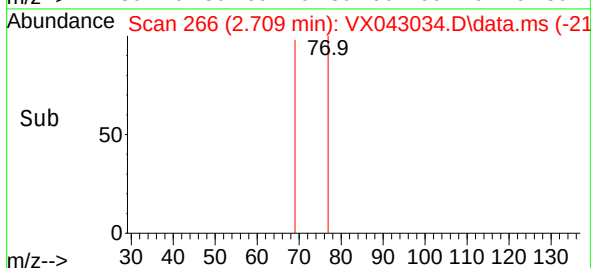
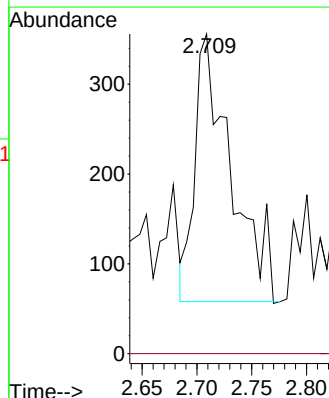
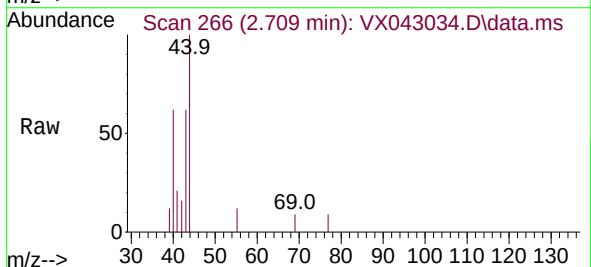
Acq: 14 Aug 2024 16:19

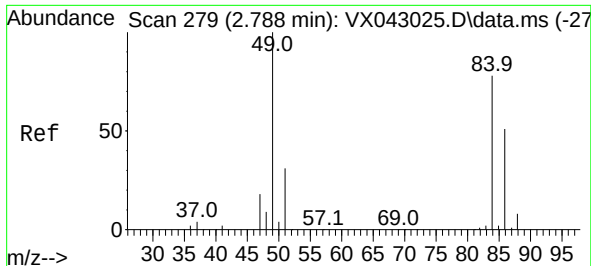
Tgt Ion: 43 Resp: 683

Ion Ratio Lower Upper

43 100

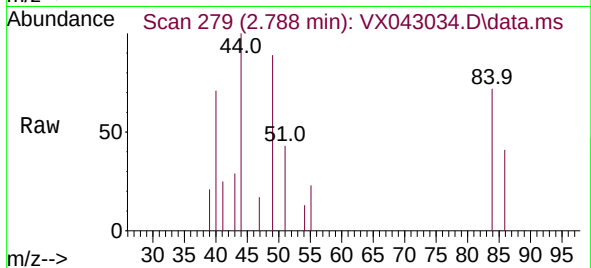
74 0.0 17.8 26.8#



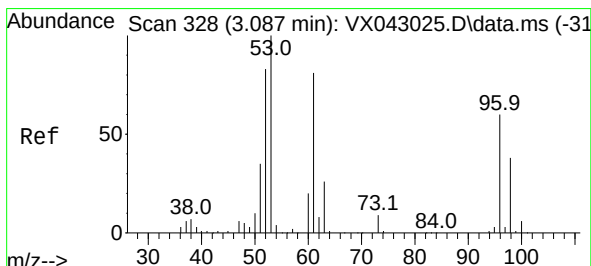
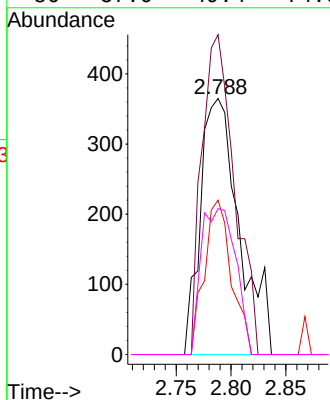
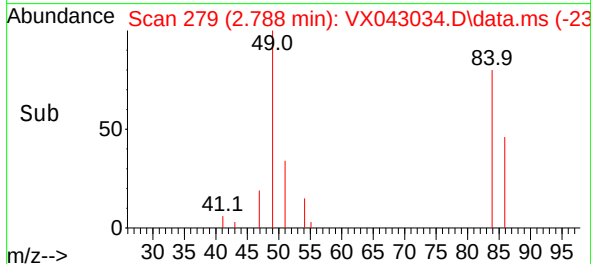


#20
Methylene Chloride
Concen: 0.731 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

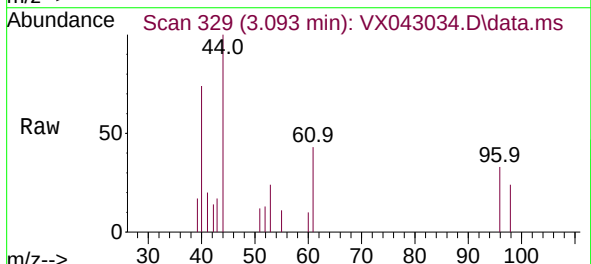
Instrument :
MSVOA_X
ClientSampleId :



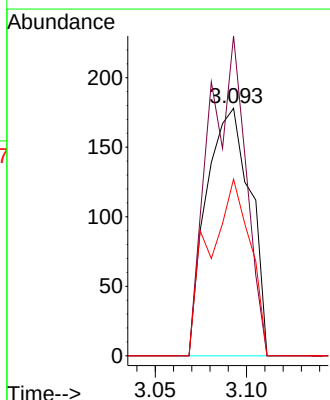
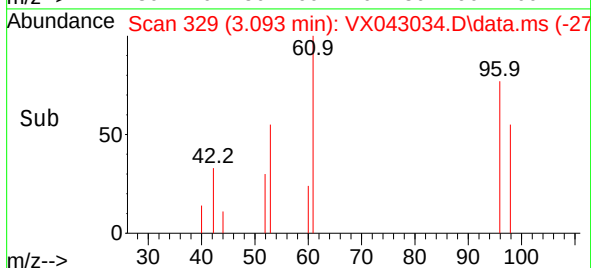
Tgt Ion: 84	Resp: 900
Ion Ratio	Lower Upper
84 100	
49 124.9	103.6 155.4
51 60.3	33.8 50.6#
86 57.0	49.4 74.0

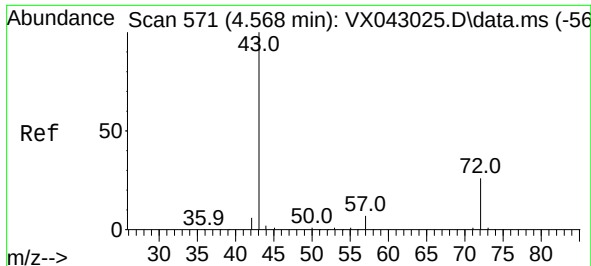


#21
trans-1,2-Dichloroethene
Concen: 0.289 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19



Tgt Ion: 96	Resp: 297		
Ion Ratio	Lower	Upper	
96 100			
61 129.2	119.2	178.8	
98 71.3	48.7	73.1	





#25

2-Butanone

Concen: 0.240 ug/l

RT: 4.593 min Scan# 5

Delta R.T. 0.024 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

Instrument :

MSVOA_X

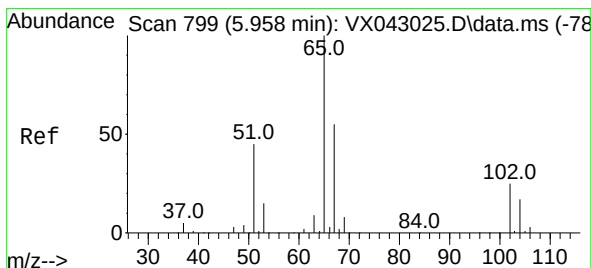
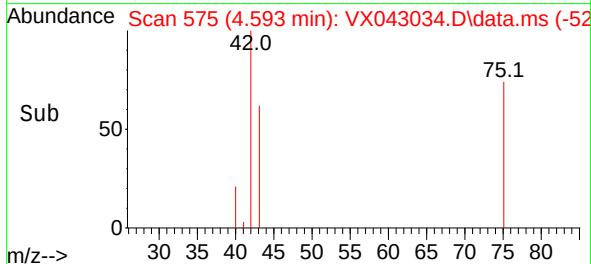
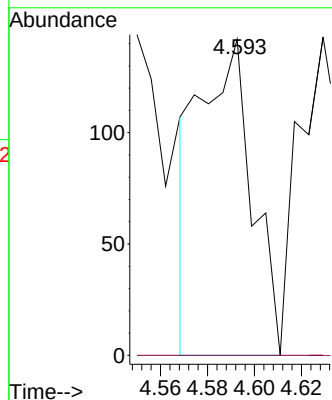
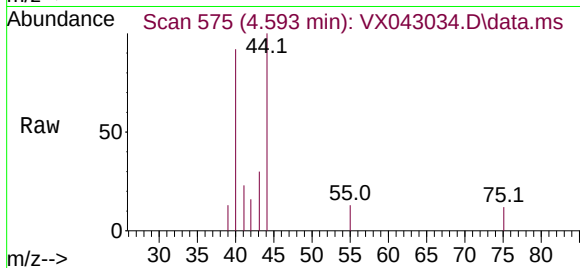
ClientSampleId :

Tgt Ion: 43 Resp: 224

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#33

1,2-Dichloroethane-d4

Concen: 45.564 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX043034.D

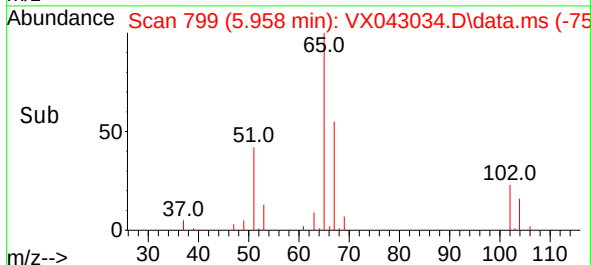
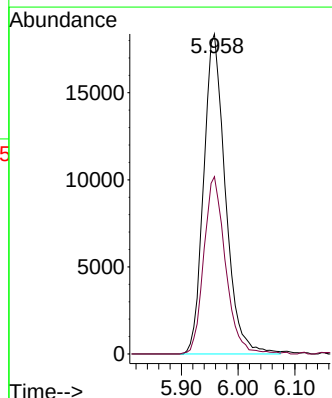
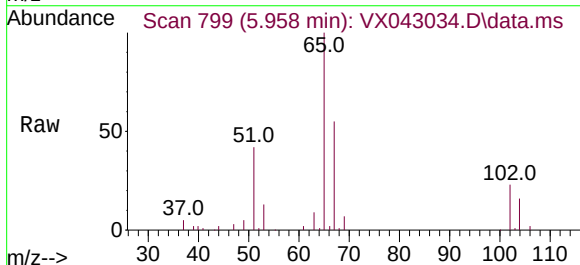
Acq: 14 Aug 2024 16:19

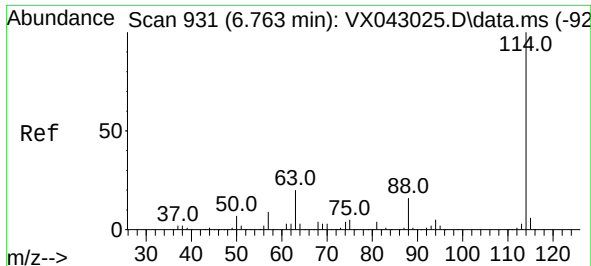
Tgt Ion: 65 Resp: 48917

Ion Ratio Lower Upper

65 100

67 55.5 0.0 100.2

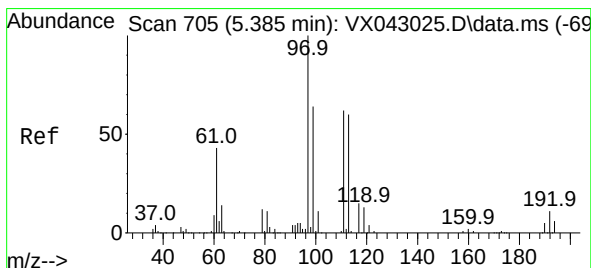
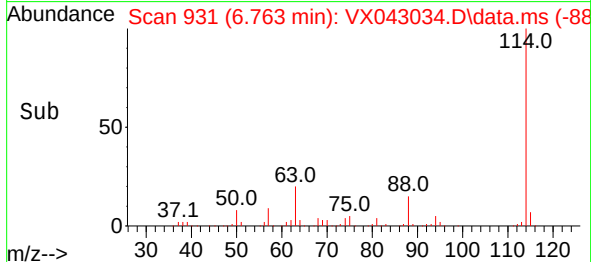
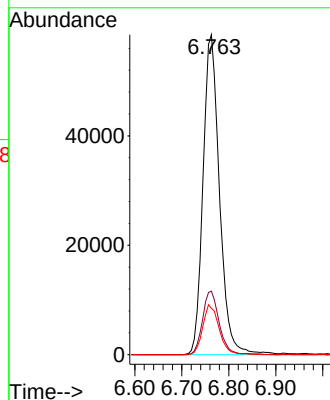
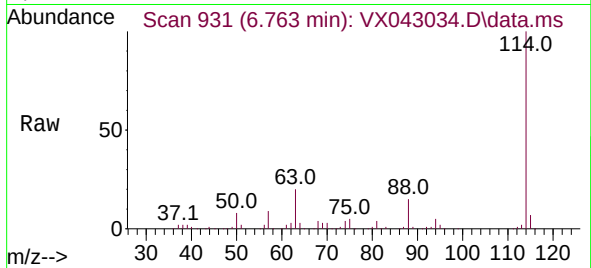




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

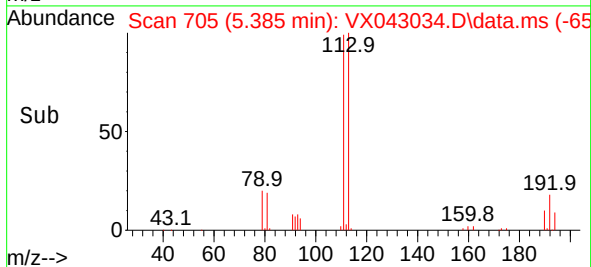
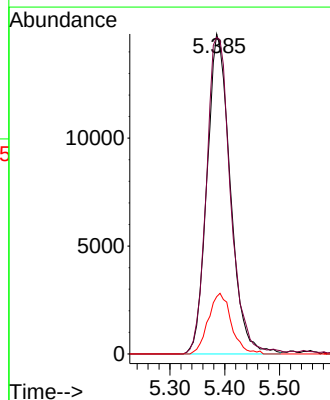
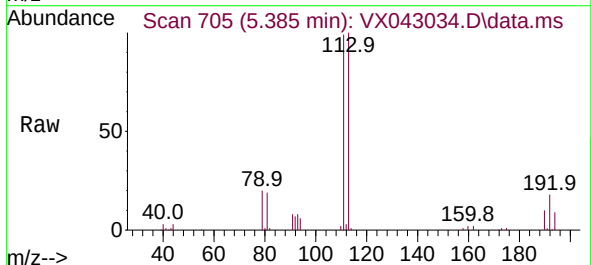
Instrument :
MSVOA_X
ClientSampleId :

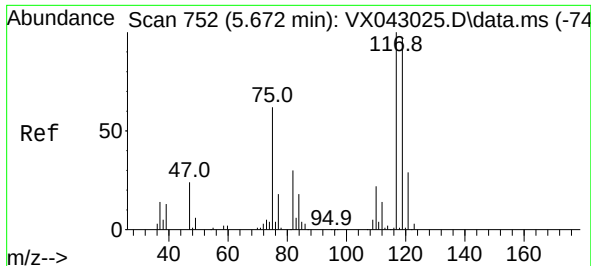
Tgt Ion:114 Resp: 142385
Ion Ratio Lower Upper
114 100
63 19.9 0.0 45.0
88 14.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.663 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

Tgt Ion:113 Resp: 43745
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 18.8 13.3 19.9





#38

Carbon Tetrachloride

Concen: 6.465 ug/l

RT: 5.550 min Scan# 74

Delta R.T. -0.122 min

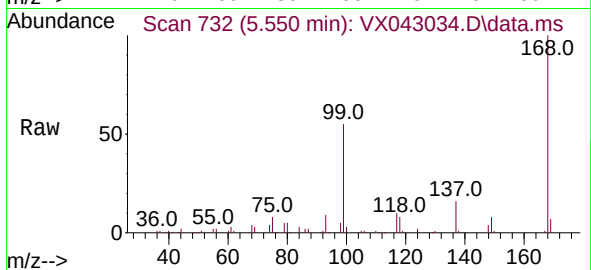
Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

Instrument :

MSVOA_X

ClientSampleId :



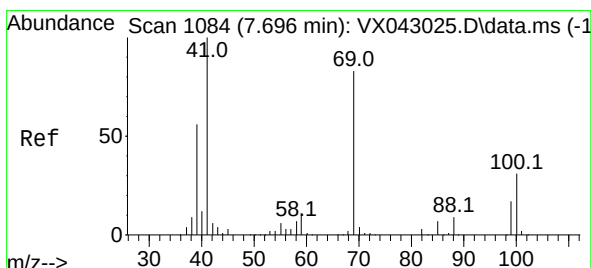
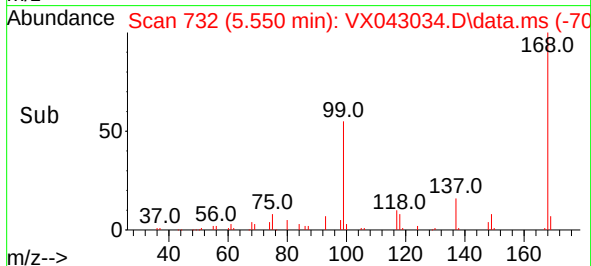
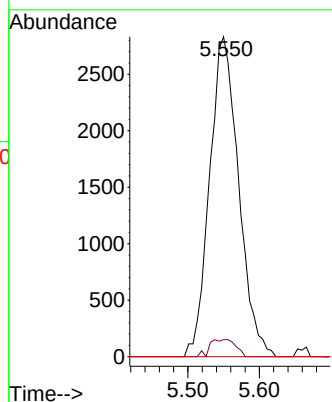
Tgt Ion:117 Resp: 8000

Ion Ratio Lower Upper

117 100

119 5.3 78.2 117.2#

121 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 0.462 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.006 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

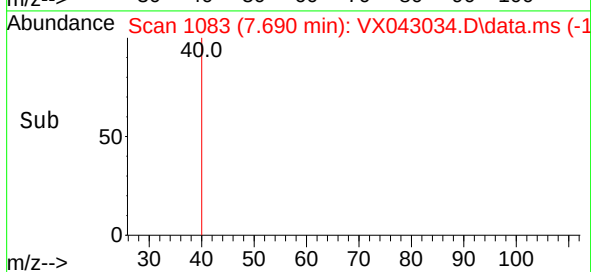
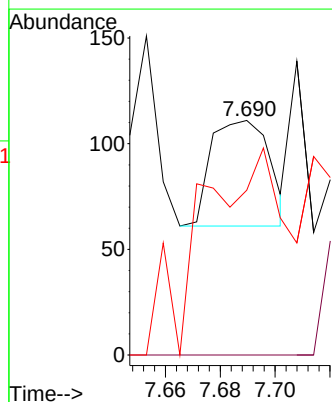
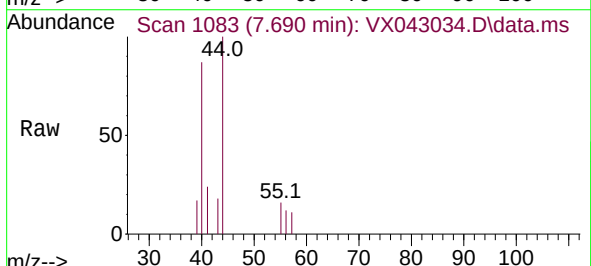
Tgt Ion: 41 Resp: 74

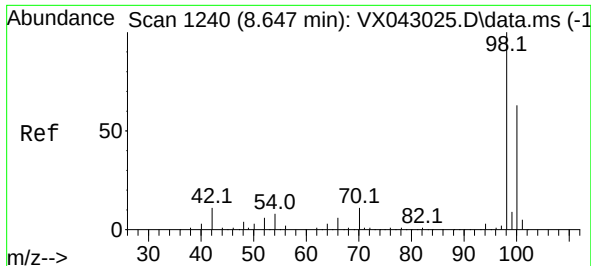
Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 140.5 47.7 71.5#





#50

Toluene-d8

Concen: 50.620 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

Instrument :

MSVOA_X

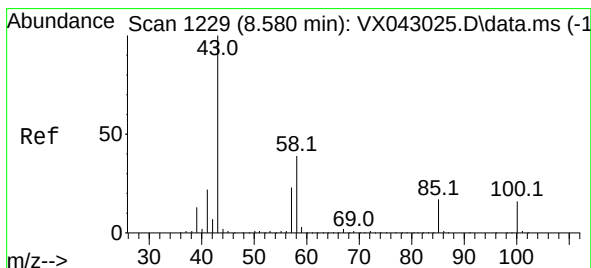
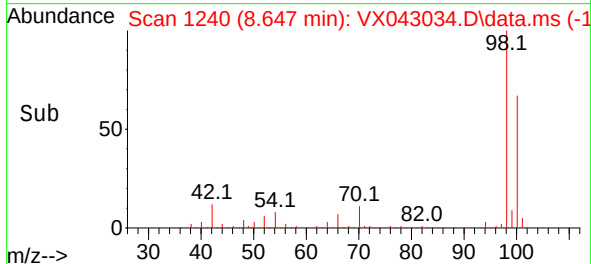
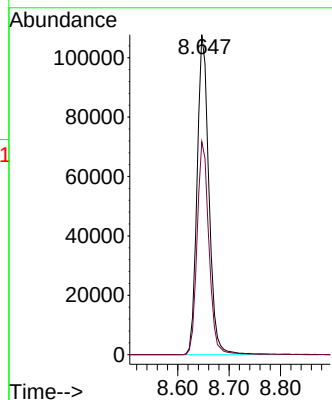
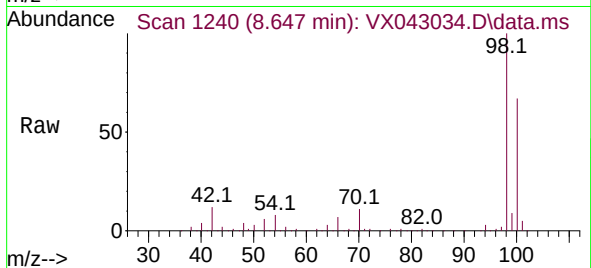
ClientSampleId :

Tgt Ion: 98 Resp: 172121

Ion Ratio Lower Upper

98 100

100 66.8 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.303 ug/l

RT: 8.592 min Scan# 1231

Delta R.T. 0.012 min

Lab File: VX043034.D

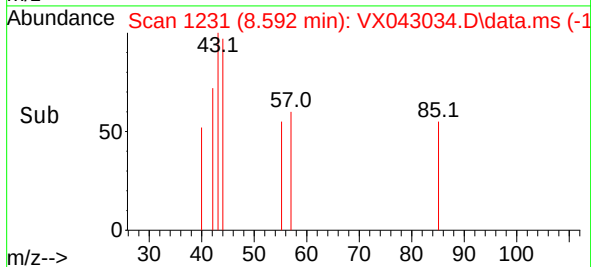
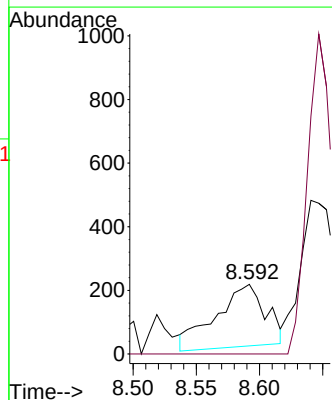
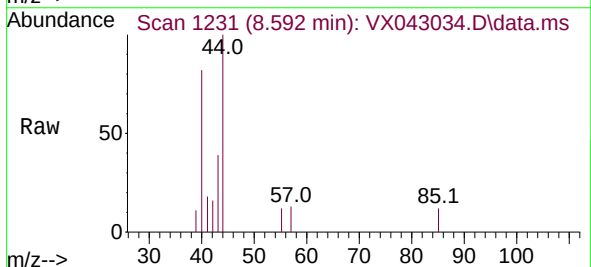
Acq: 14 Aug 2024 16:19

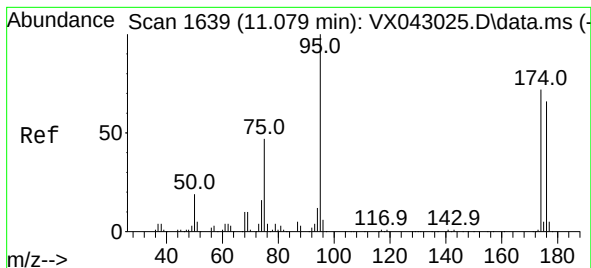
Tgt Ion: 43 Resp: 535

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#

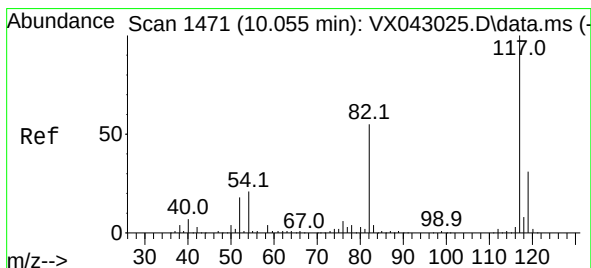
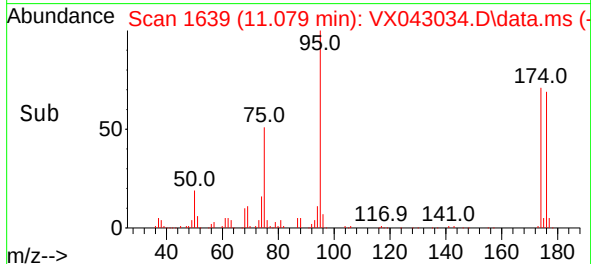
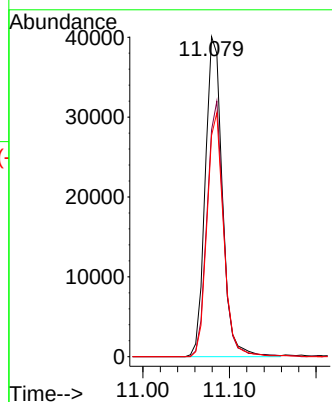
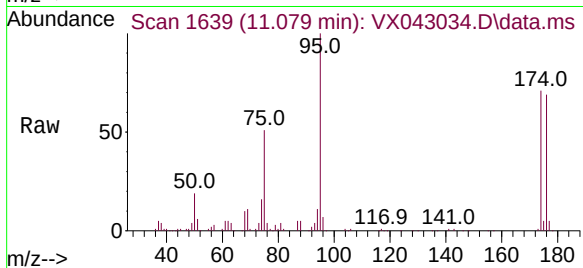




#62
4-Bromofluorobenzene
Concen: 44.633 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

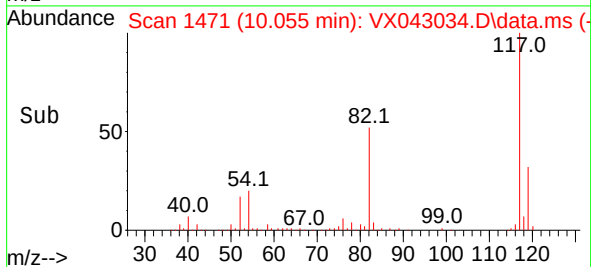
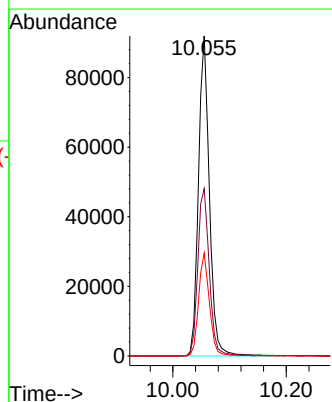
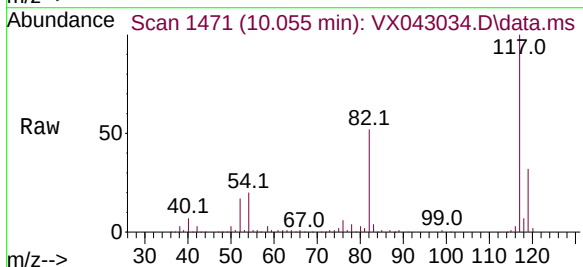
Instrument :
MSVOA_X
ClientSampleId :

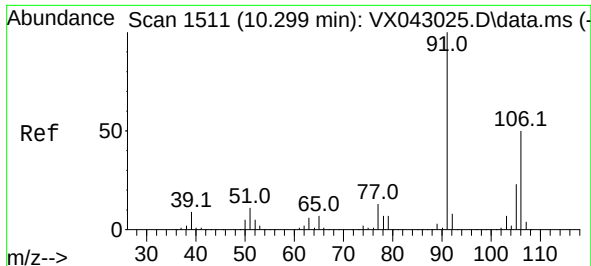
Tgt Ion: 95 Resp: 55030
Ion Ratio Lower Upper
95 100
174 77.3 0.0 135.6
176 74.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

Tgt Ion: 117 Resp: 122869
Ion Ratio Lower Upper
117 100
82 52.3 46.2 69.4
119 32.2 25.5 38.3





#68

m/p-Xylenes

Concen: 0.300 ug/l

RT: 10.311 min Scan# 1511

Delta R.T. 0.012 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

Instrument :

MSVOA_X

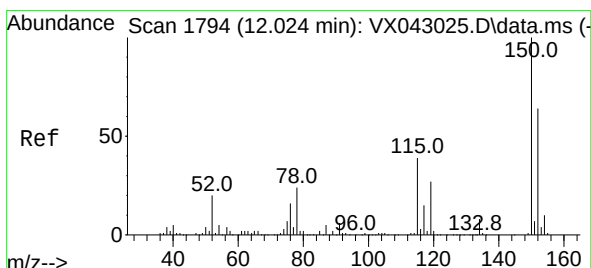
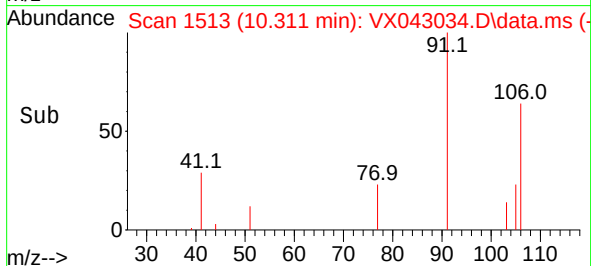
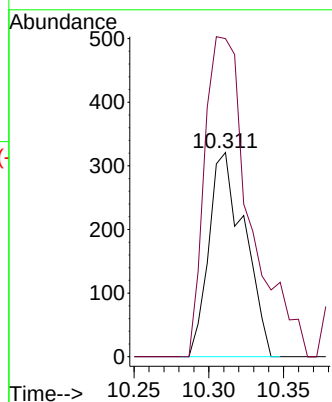
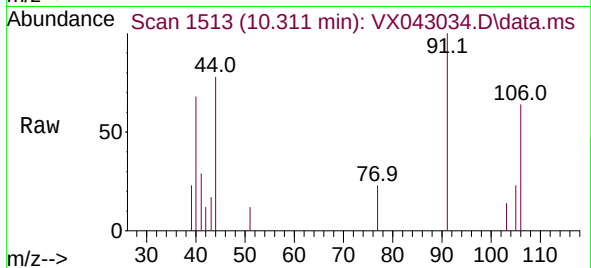
ClientSampleId :

Tgt Ion:106 Resp: 532

Ion Ratio Lower Upper

106 100

91 199.8 165.5 248.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

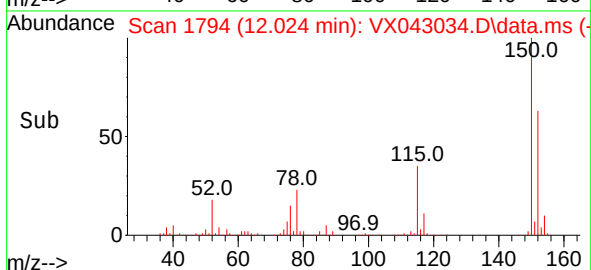
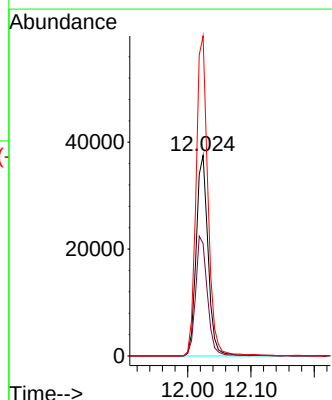
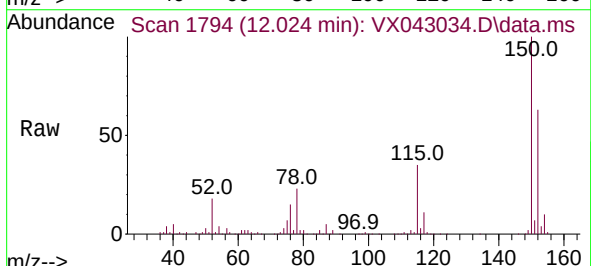
Tgt Ion:152 Resp: 49103

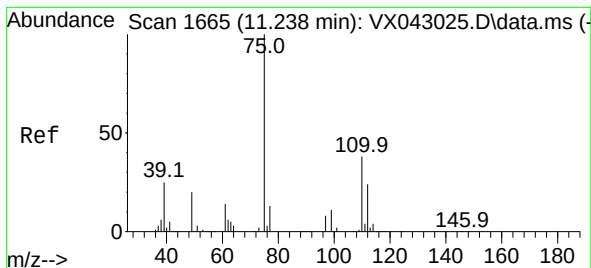
Ion Ratio Lower Upper

152 100

115 59.2 43.3 129.9

150 159.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.170 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

Instrument :

MSVOA_X

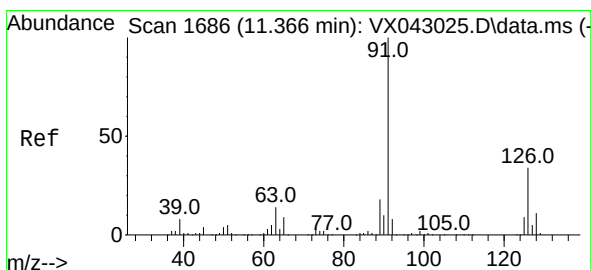
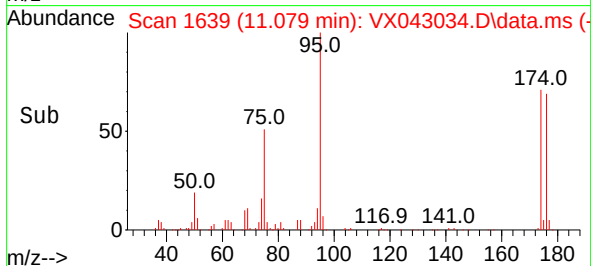
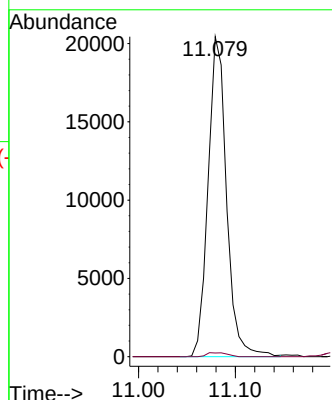
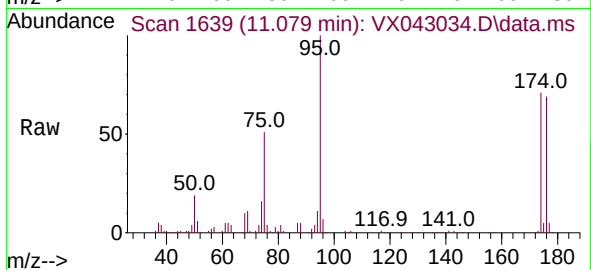
ClientSampleId :

Tgt Ion: 75 Resp: 27200

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#79

2-Chlorotoluene

Concen: 0.209 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VX043034.D

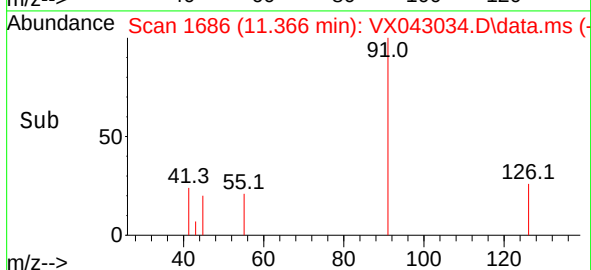
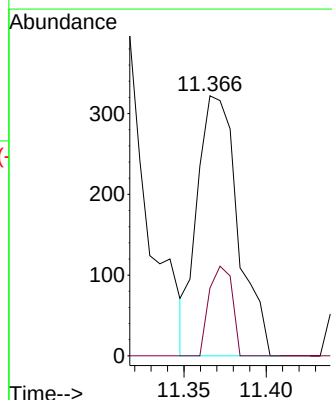
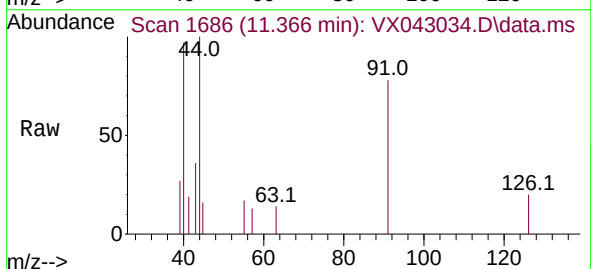
Acq: 14 Aug 2024 16:19

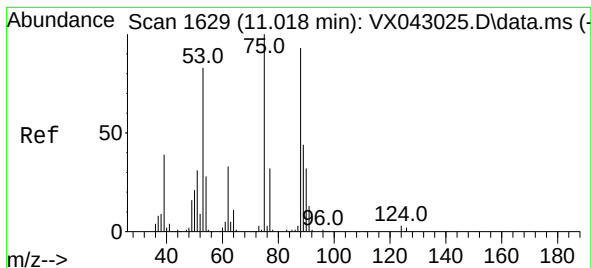
Tgt Ion: 91 Resp: 554

Ion Ratio Lower Upper

91 100

126 19.5 16.3 48.8

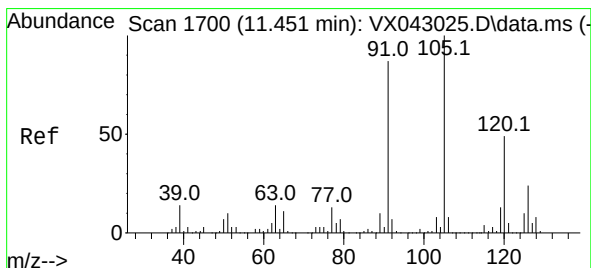
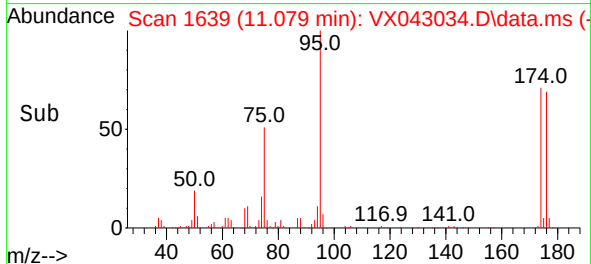
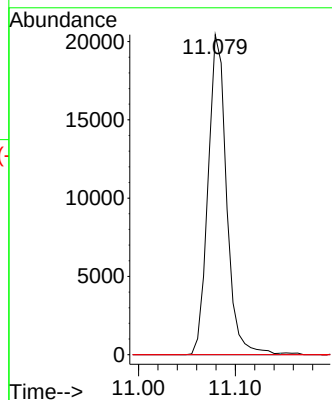
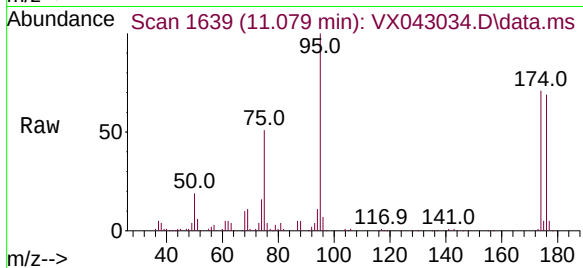




#81
trans-1,4-Dichloro-2-butene
Concen: 52.720 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

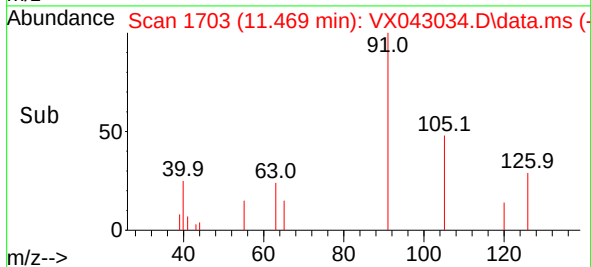
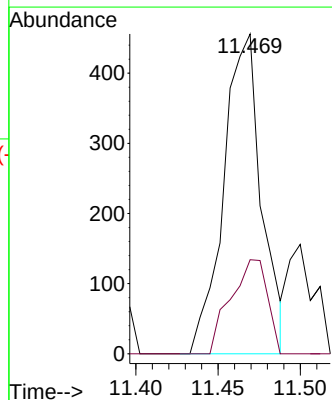
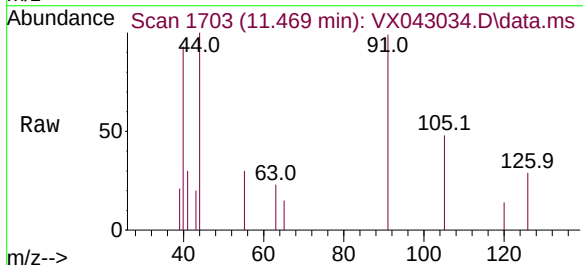
Instrument :
MSVOA_X
ClientSampleId :

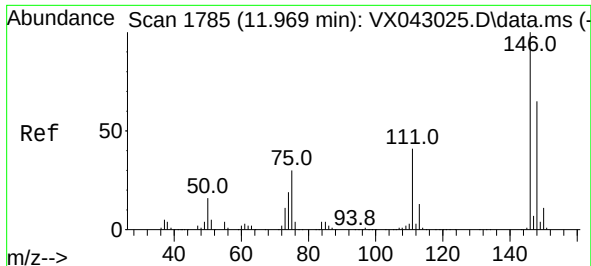
Tgt Ion: 75 Resp: 27200
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.246 ug/l
RT: 11.469 min Scan# 1703
Delta R.T. 0.018 min
Lab File: VX043034.D
Acq: 14 Aug 2024 16:19

Tgt Ion: 91 Resp: 729
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6





#87

1,3-Dichlorobenzene

Concen: 0.307 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

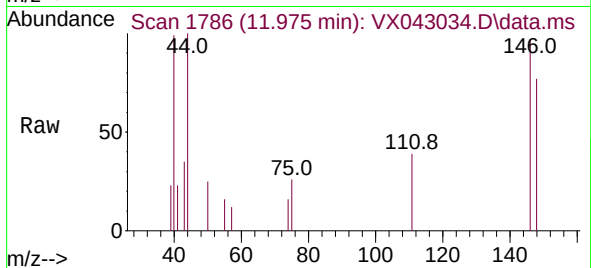
Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

Instrument :

MSVOA_X

ClientSampleId :



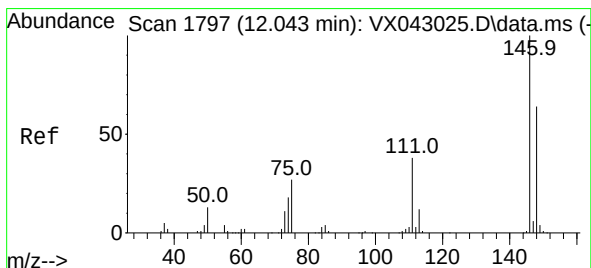
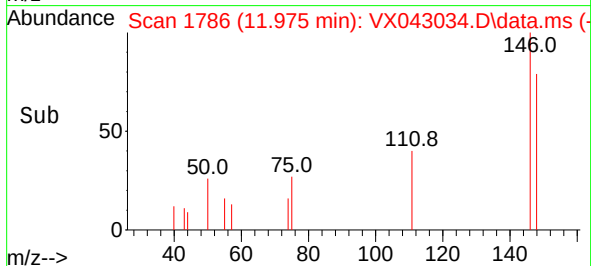
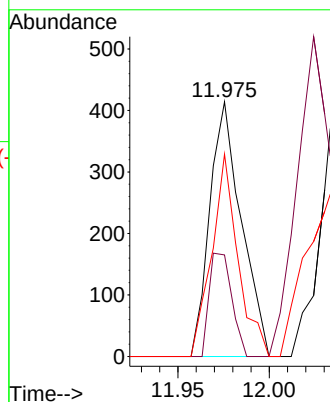
Tgt Ion:146 Resp: 497

Ion Ratio Lower Upper

146 100

111 29.0 22.1 66.1

148 66.0 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.300 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

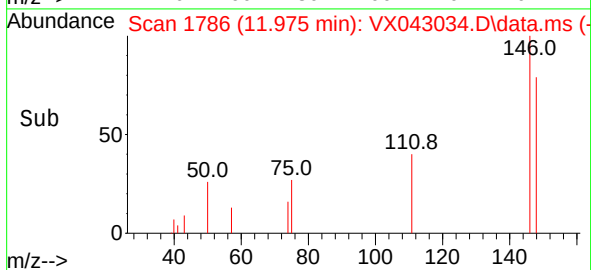
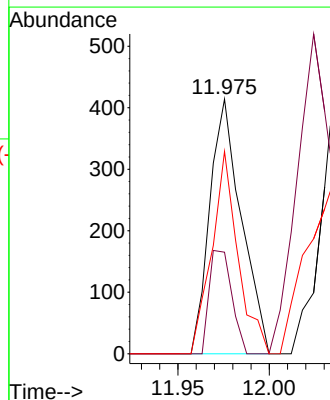
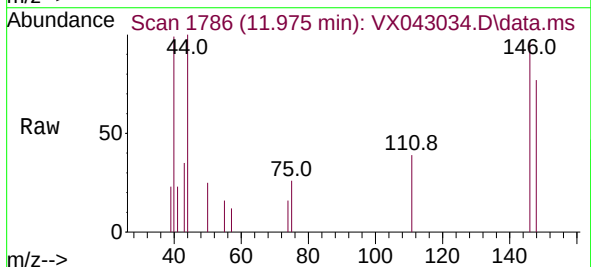
Tgt Ion:146 Resp: 497

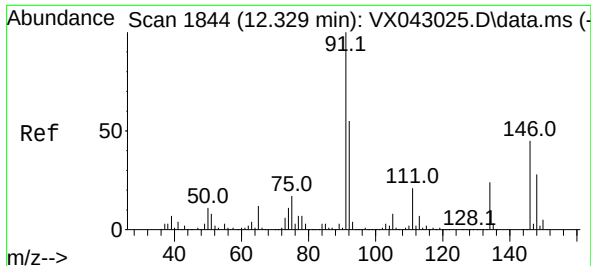
Ion Ratio Lower Upper

146 100

111 29.0 21.3 63.7

148 66.0 31.8 95.4





#89

n-Butylbenzene

Concen: 0.311 ug/l

RT: 12.347 min Scan# 1847

Delta R.T. 0.018 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

Instrument :

MSVOA_X

ClientSampleId :

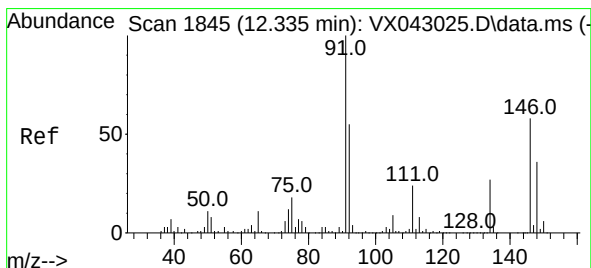
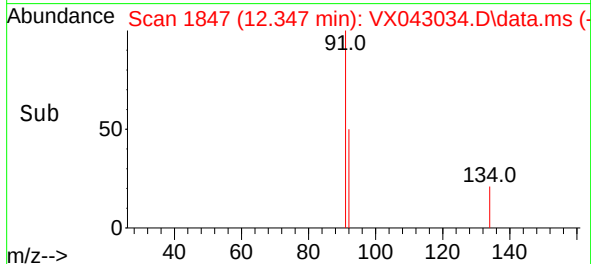
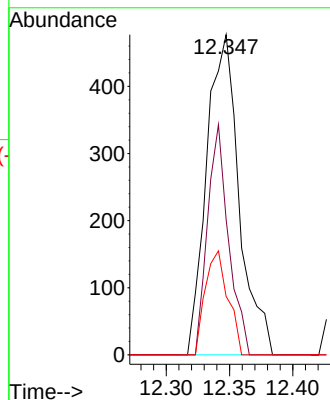
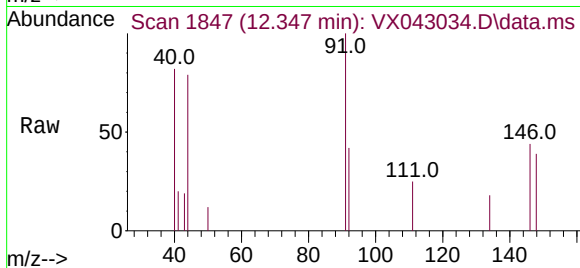
Tgt Ion: 91 Resp: 853

Ion Ratio Lower Upper

91 100

92 46.5 27.4 82.0

134 22.6 12.6 37.8



#91

1,2-Dichlorobenzene

Concen: 0.242 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

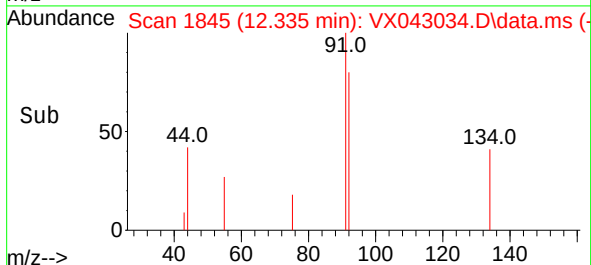
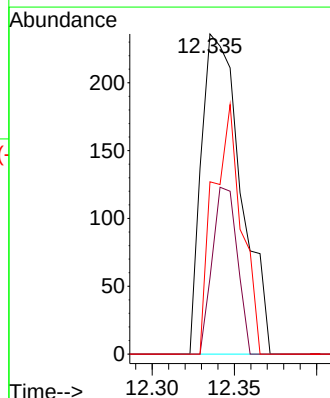
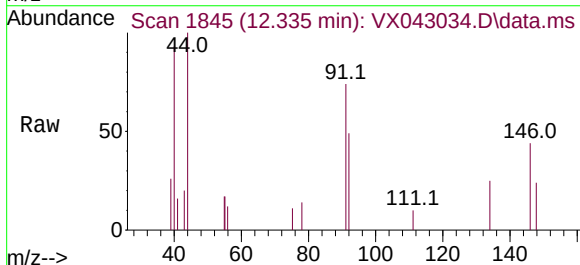
Tgt Ion:146 Resp: 395

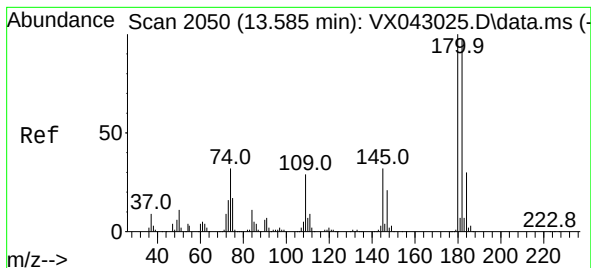
Ion Ratio Lower Upper

146 100

111 32.9 22.4 67.0

148 55.9 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.595 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043034.D

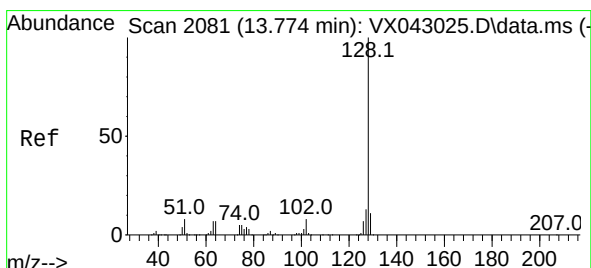
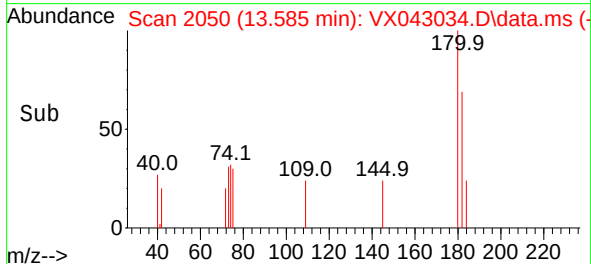
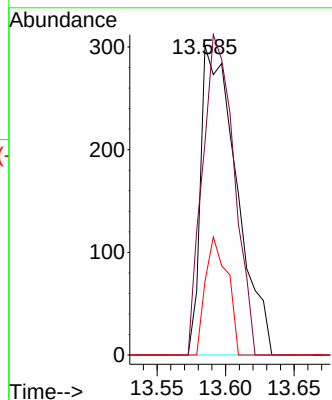
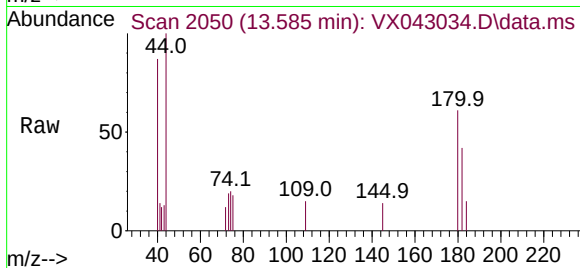
Acq: 14 Aug 2024 16:19

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	546
Ion Ratio	Lower	Upper
180	100	
182	91.6	48.3 144.8
145	23.6	18.0 54.0



#95

Naphthalene

Concen: 0.995 ug/l

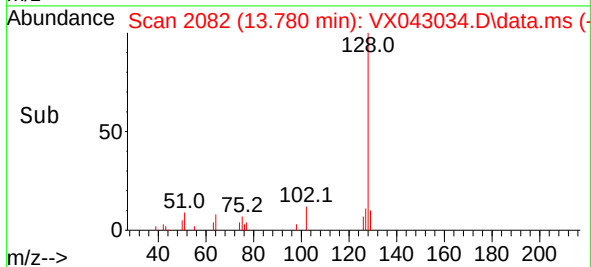
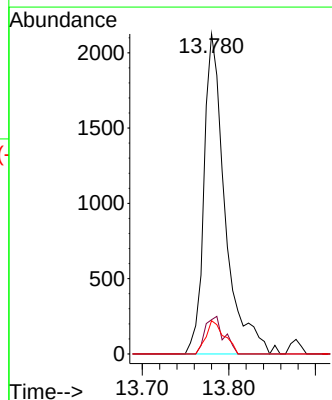
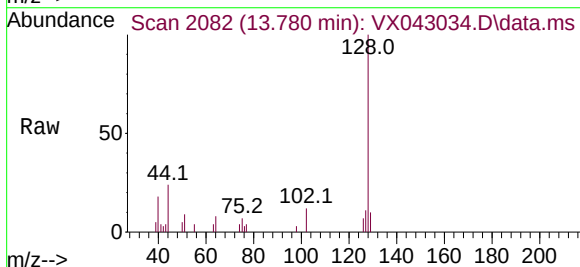
RT: 13.780 min Scan# 2082

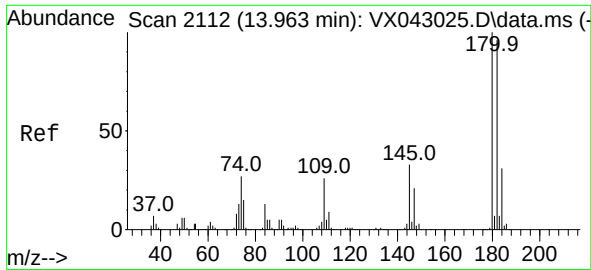
Delta R.T. 0.006 min

Lab File: VX043034.D

Acq: 14 Aug 2024 16:19

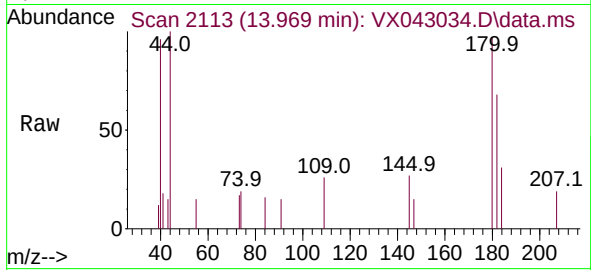
Tgt Ion:128	Resp:	3607
Ion Ratio	Lower	Upper
128	100	
127	10.3	10.3 15.5#
129	9.0	8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.660 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX043034.D
 Acq: 14 Aug 2024 16:19

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	620
Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.6
145	34.5	17.8	53.5

