

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101424\
 Data File : VX043375.D
 Acq On : 14 Oct 2024 12:12
 Operator : JC/MD
 Sample : P4394-01 20X
 Misc : 1.50g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 01:43:30 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)

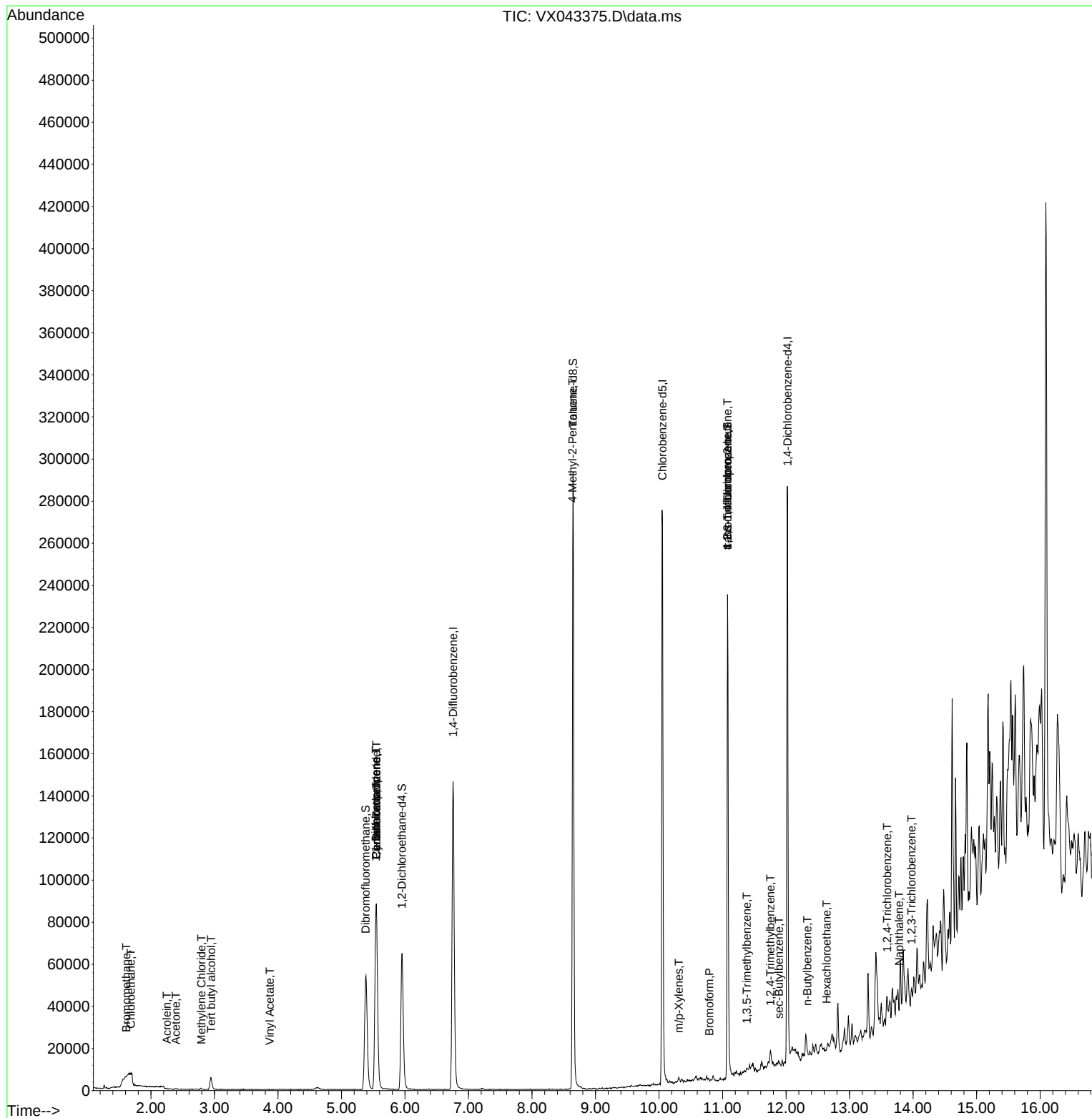
Internal Standards						
1) Pentafluorobenzene	5.550	168	81205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149590	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67251	50.709	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.420%
35) Dibromofluoromethane	5.379	113	48406	46.922	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.840%
50) Toluene-d8	8.647	98	174102	48.699	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.400%
62) 4-Bromofluorobenzene	11.079	95	61980	47.721	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.440%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	146	0.367	ug/l #	63
6) Chloroethane	1.685	64	103	0.284	ug/l #	42
11) Tert butyl alcohol	2.947	59	3412	13.520	ug/l #	71
13) Acrolein	2.252	56	74	0.310	ug/l #	6
16) Acetone	2.392	43	440	0.794	ug/l #	47
20) Methylene Chloride	2.794	84	311	0.305	ug/l #	67
23) Vinyl Acetate	3.873	43	41	6.351	ug/l #	71
31) Cyclohexane	5.550	56	1843	1.288	ug/l #	14
36) 1,1-Dichloropropene	5.544	75	7004	5.374	ug/l #	49
38) Carbon Tetrachloride	5.550	117	9345	6.057	ug/l #	15
51) 4-Methyl-2-Pentanone	8.641	43	1013	0.645	ug/l #	1
68) m/p-Xylenes	10.311	106	475	0.267	ug/l	79
71) Bromoform	10.793	173	152	0.206	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	34627	28.137	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.384	105	1211	0.340	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	34627	72.920	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	3372	0.942	ug/l	98
85) sec-Butylbenzene	11.890	105	1031	0.237	ug/l	89
89) n-Butylbenzene	12.335	91	1090	0.359	ug/l #	72
90) Hexachloroethane	12.640	117	441	0.649	ug/l	74
93) 1,2,4-Trichlorobenzene	13.591	180	306	0.281	ug/l #	1
95) Naphthalene	13.780	128	1356	0.338	ug/l #	56
96) 1,2,3-Trichlorobenzene	13.975	180	1285	1.142	ug/l #	9

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

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 15 01:43:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



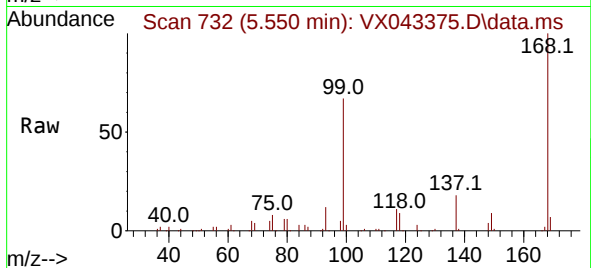


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

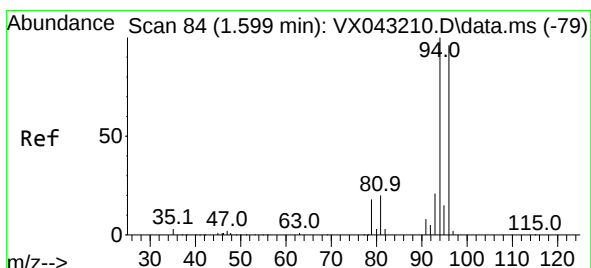
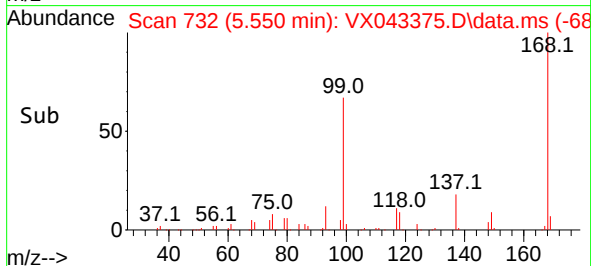
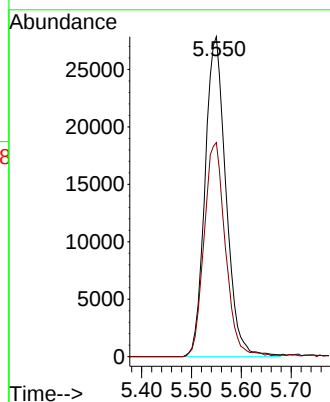
Instrument :

MSVOA_X

ClientSampleId :

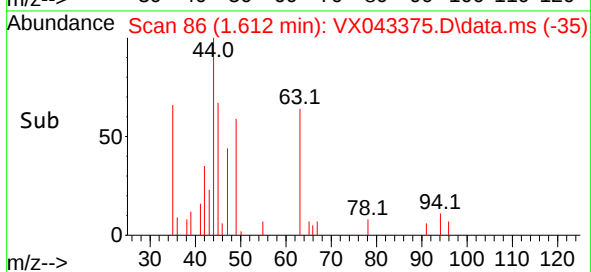
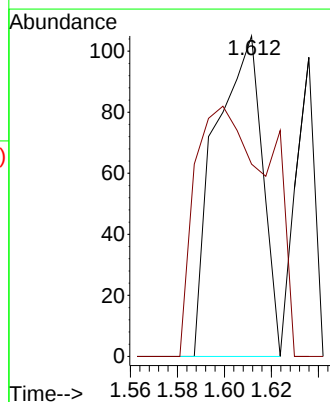
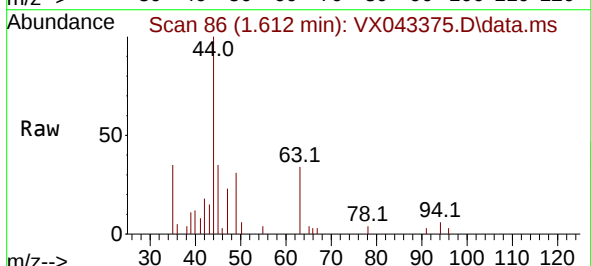


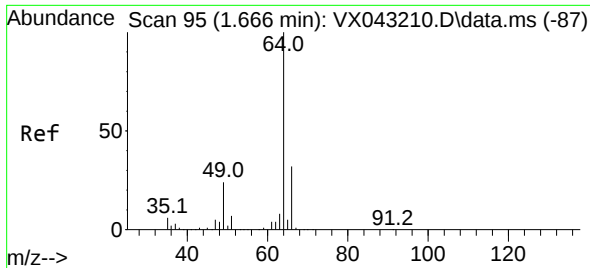
Tgt Ion:168 Resp: 81205
Ion Ratio Lower Upper
168 100
99 66.9 49.7 74.5



#5
Bromomethane
Concen: 0.367 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 60.0 76.6 115.0#

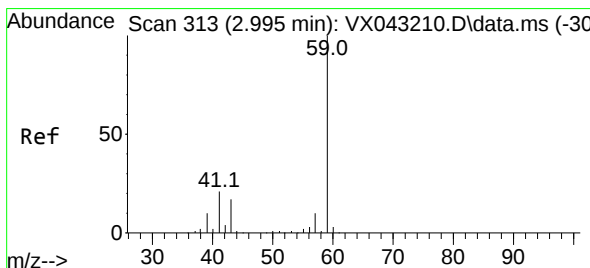
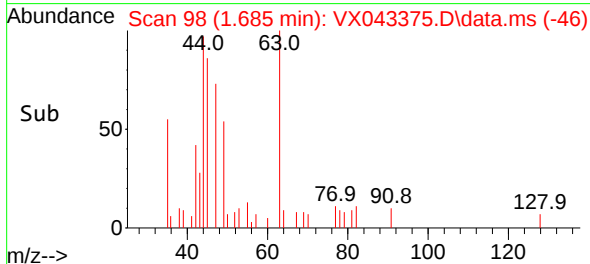
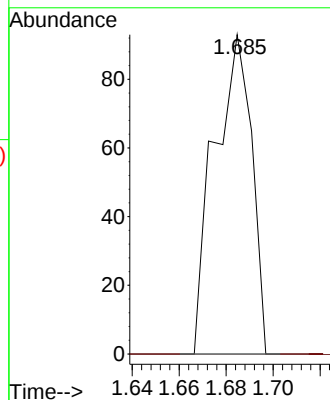
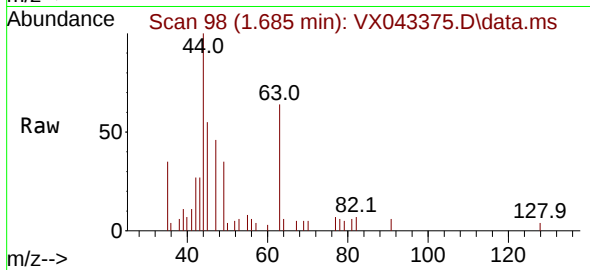




#6
Chloroethane
Concen: 0.284 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

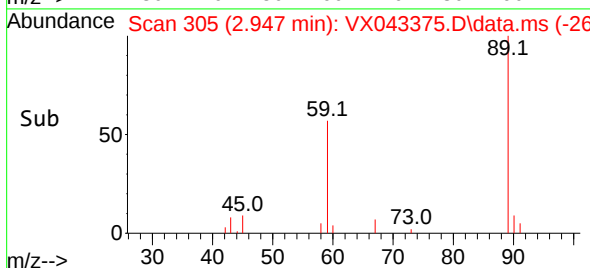
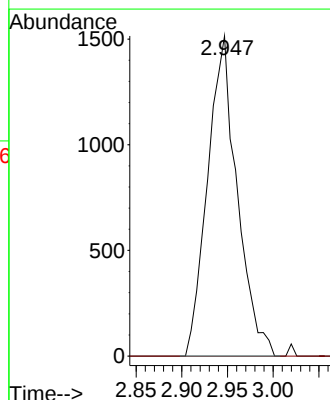
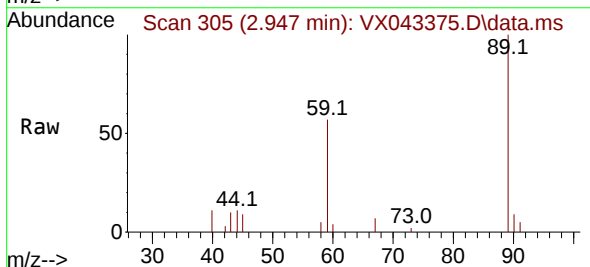
Instrument :
MSVOA_X
ClientSampleId :

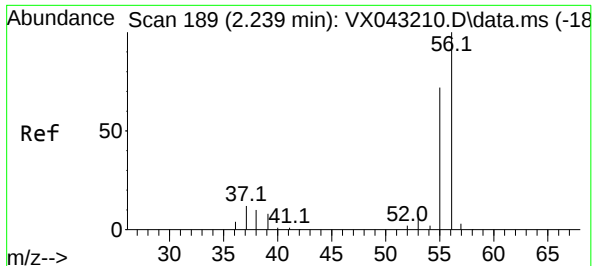
Tgt Ion: 64 Resp: 103
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 13.520 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

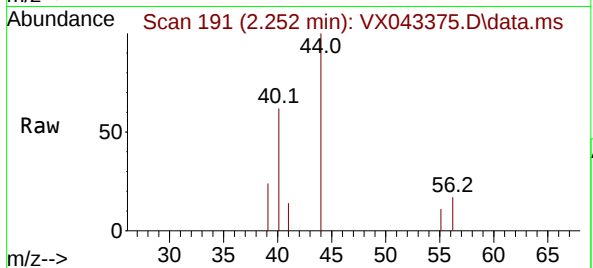
Tgt Ion: 59 Resp: 3412
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



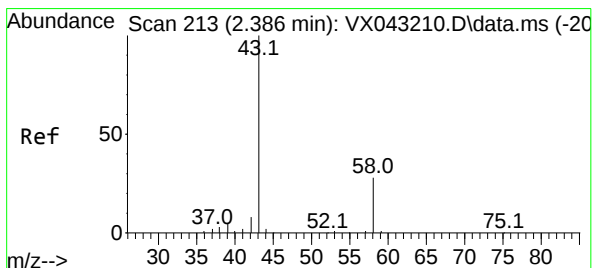
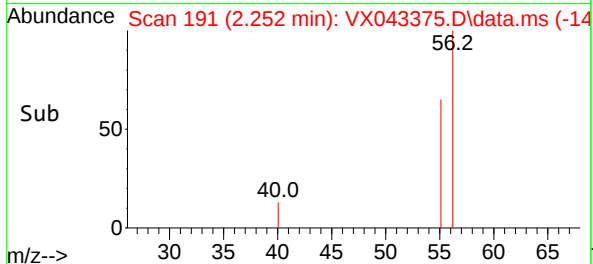
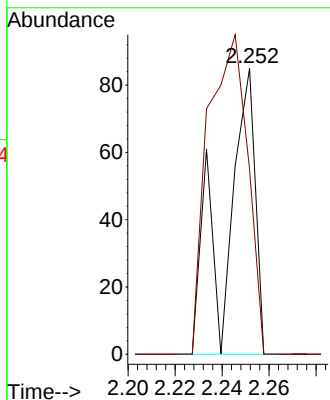


#13
Acrolein
Concen: 0.310 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.012 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Instrument :
MSVOA_X
ClientSampleId :

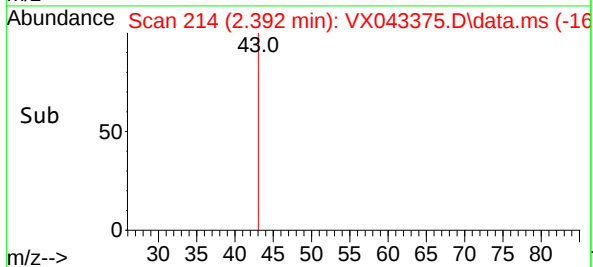
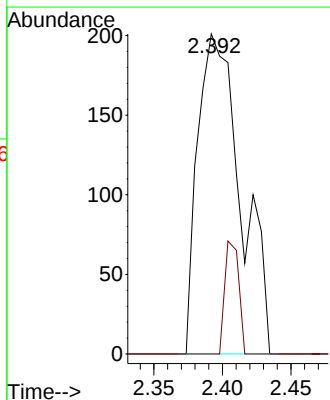
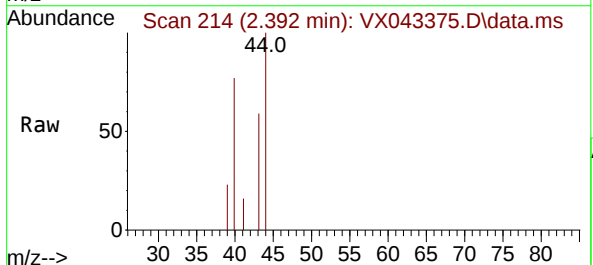


Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 150.0 57.4 86.0#



#16
Acetone
Concen: 0.794 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

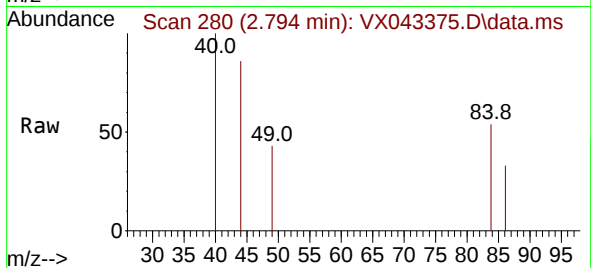
Tgt Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



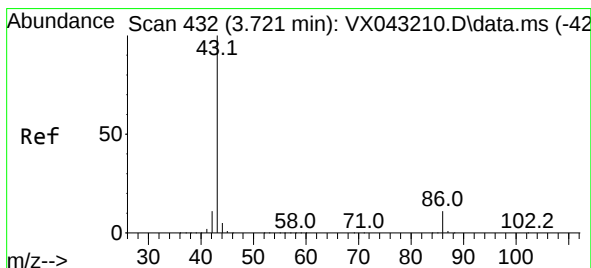
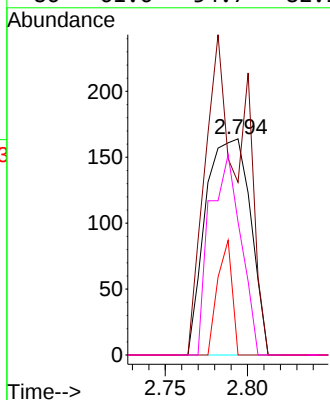
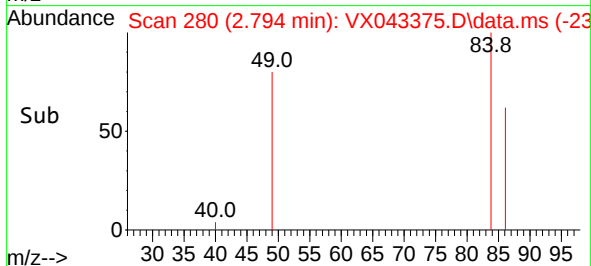


#20
Methylene Chloride
Concen: 0.305 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Instrument :
MSVOA_X
ClientSampleId :

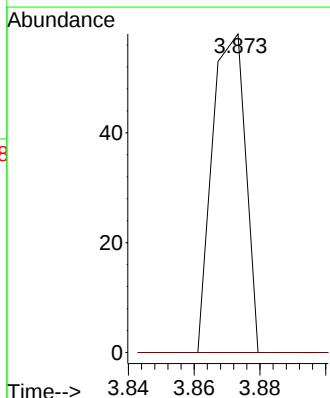
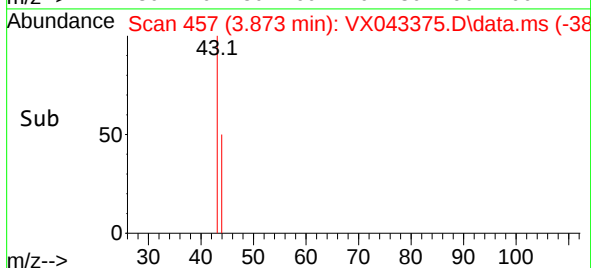
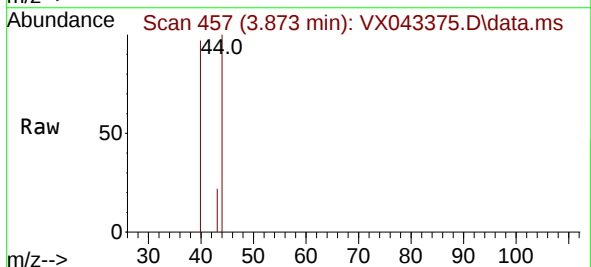


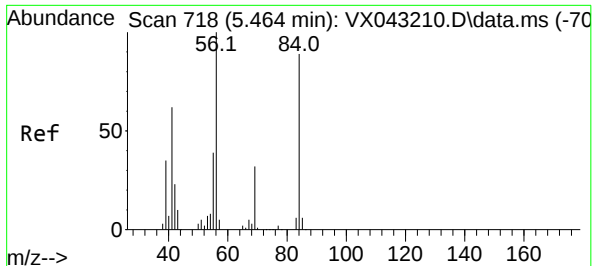
Tgt Ion:	84	Resp:	311
Ion	Ratio	Lower	Upper
84	100		
49	79.9	96.7	145.1#
51	0.0	30.4	45.6#
86	61.6	54.7	82.1



#23
Vinyl Acetate
Concen: 6.351 ug/l
RT: 3.873 min Scan# 457
Delta R.T. 0.152 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

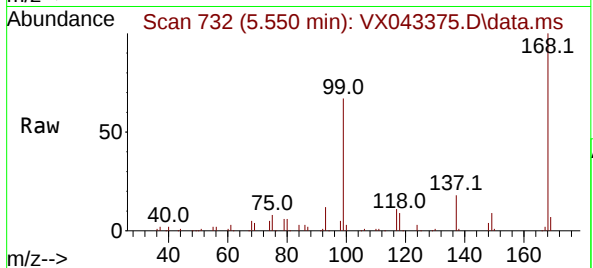
Tgt Ion:	43	Resp:	41
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#



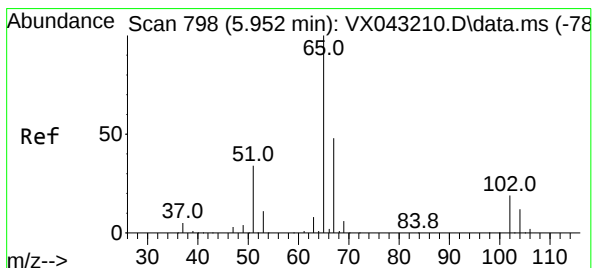
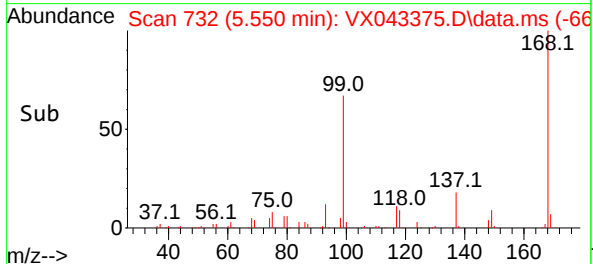
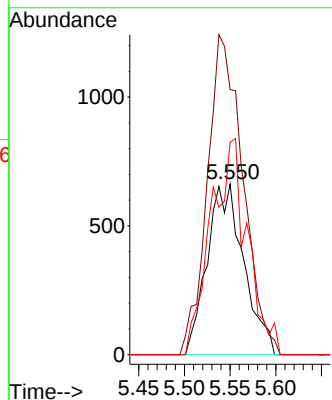


#31
Cyclohexane
Concen: 1.288 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Instrument :
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ClientSampleId :

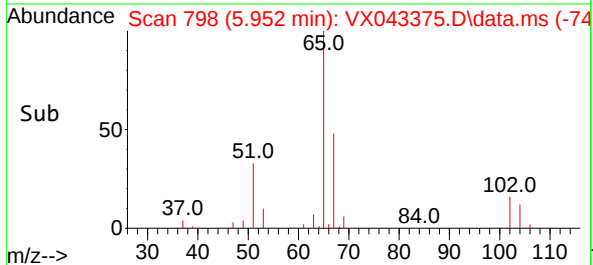
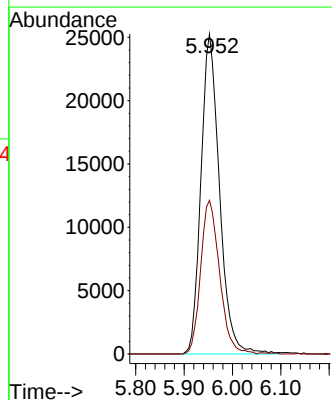
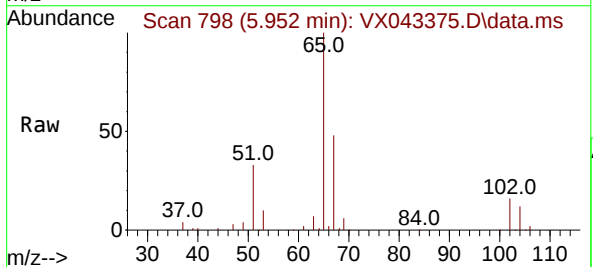


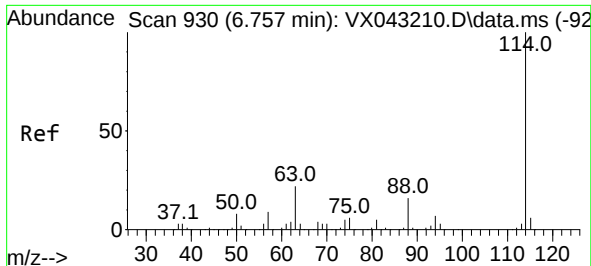
Tgt Ion: 56 Resp: 1843
Ion Ratio Lower Upper
56 100
69 155.2 25.8 38.6#
84 124.3 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 50.709 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Tgt Ion: 65 Resp: 67251
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0

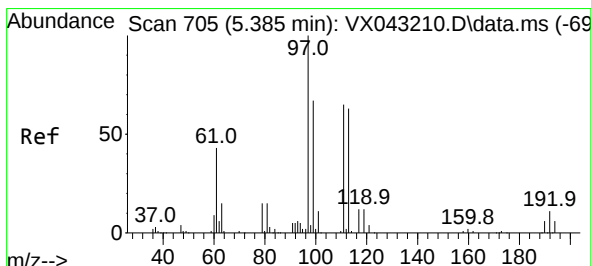
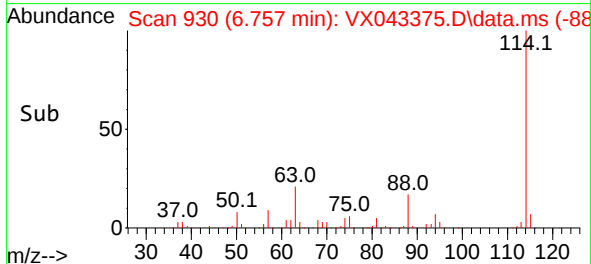
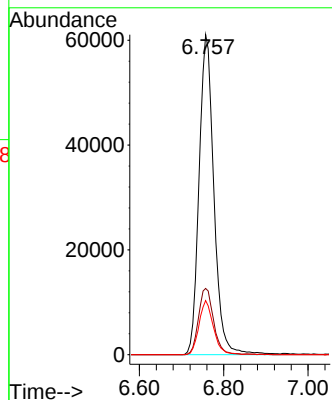
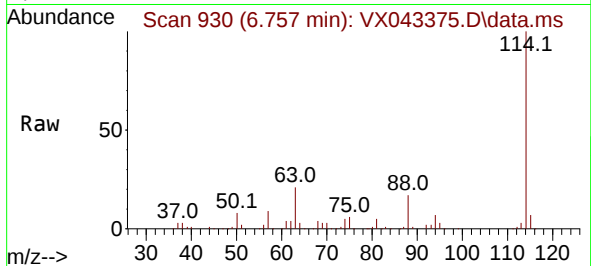




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

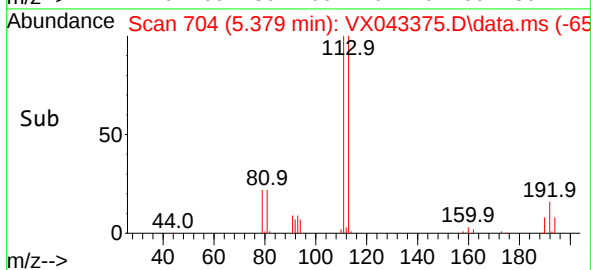
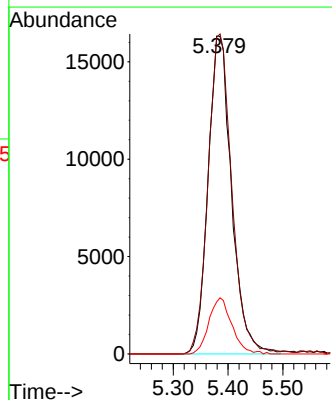
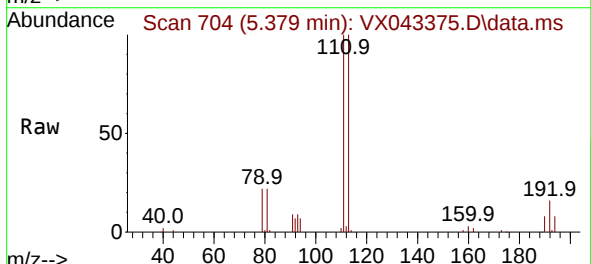
Instrument :
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ClientSampleId :

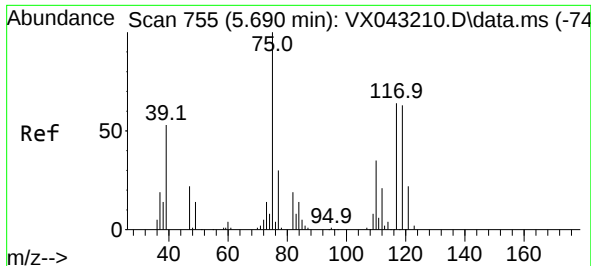
Tgt Ion:114 Resp: 149590
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.0
88 16.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 46.922 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Tgt Ion:113 Resp: 48406
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.0
192 17.3 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.374 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

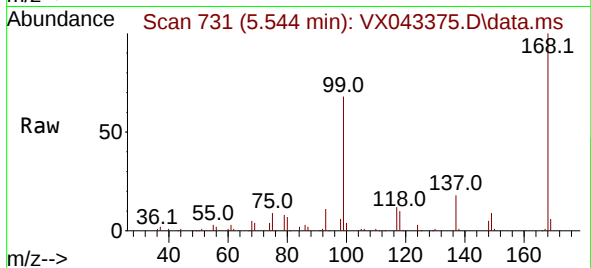
Lab File: VX043375.D

Acq: 14 Oct 2024 12:12

Instrument :

MSVOA_X

ClientSampleId :



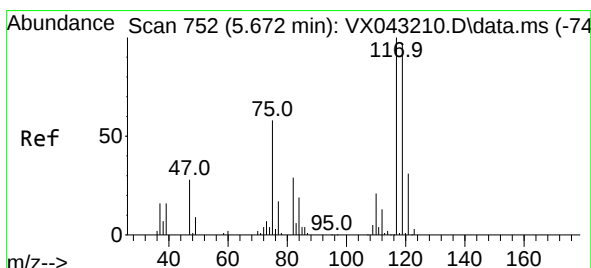
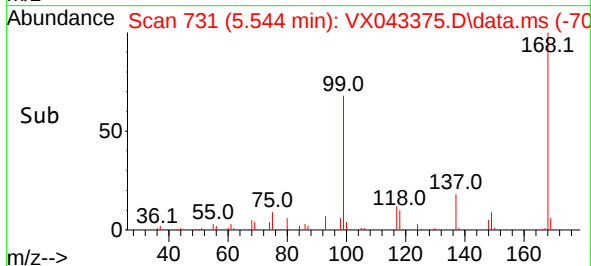
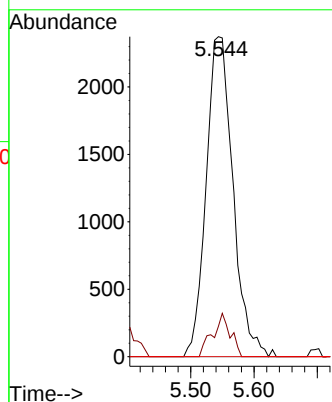
Tgt Ion: 75 Resp: 7004

Ion Ratio Lower Upper

75 100

110 9.0 17.8 53.3#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.057 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX043375.D

Acq: 14 Oct 2024 12:12

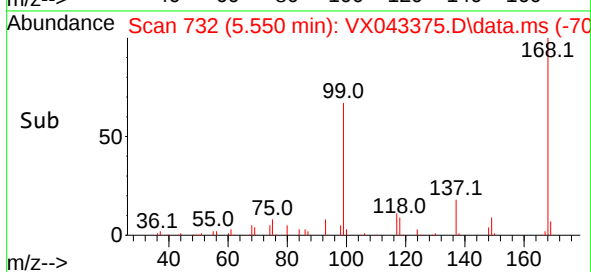
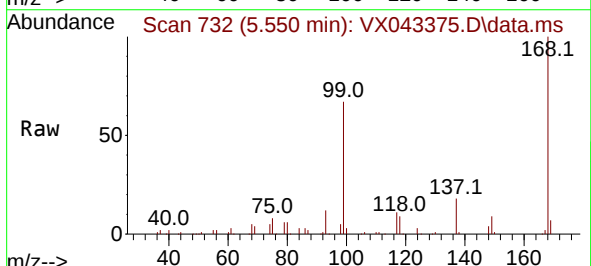
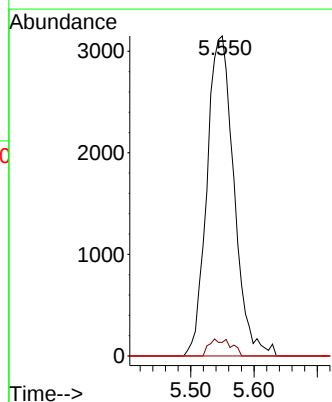
Tgt Ion: 117 Resp: 9345

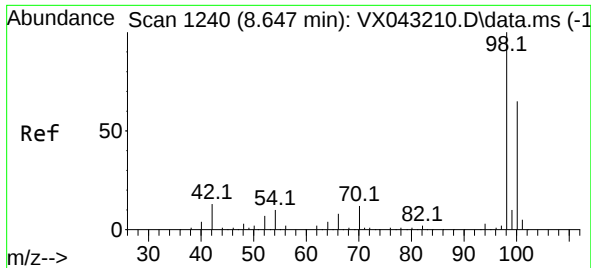
Ion Ratio Lower Upper

117 100

119 4.3 77.7 116.5#

121 0.0 24.3 36.5#

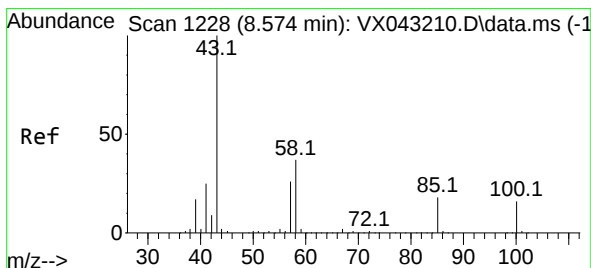
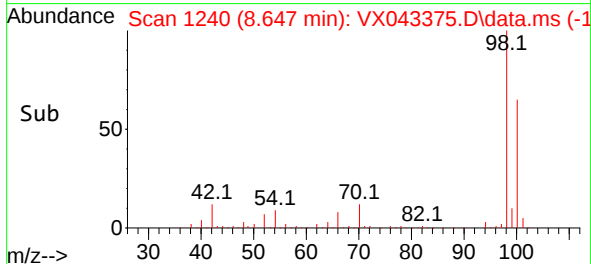
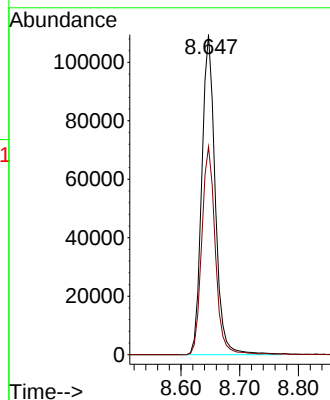
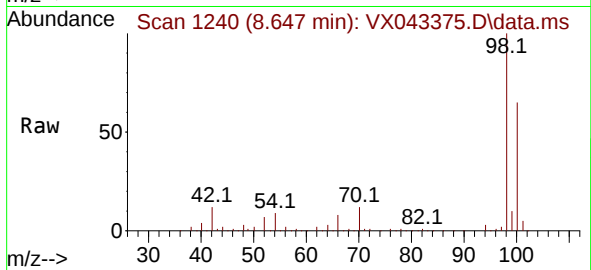




#50
Toluene-d8
Concen: 48.699 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

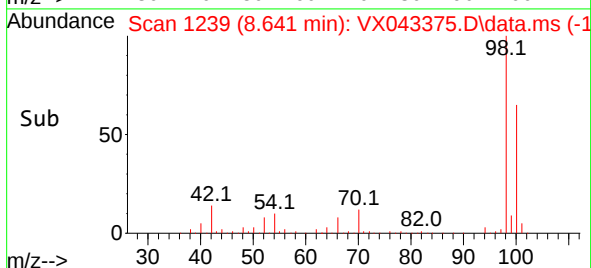
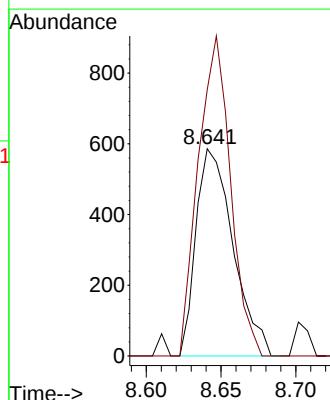
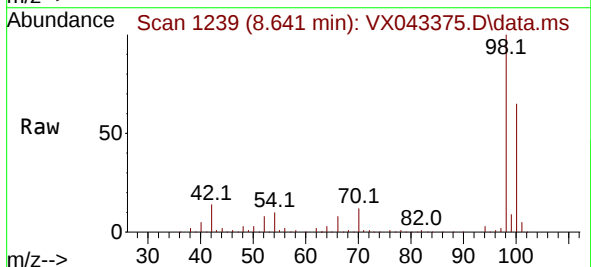
Instrument :
MSVOA_X
ClientSampleId :

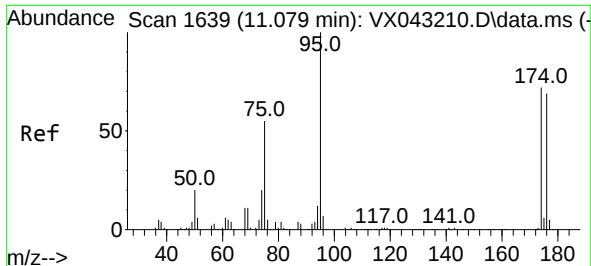
Tgt Ion: 98 Resp: 174102
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 0.645 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
58 134.1 30.0 45.0#

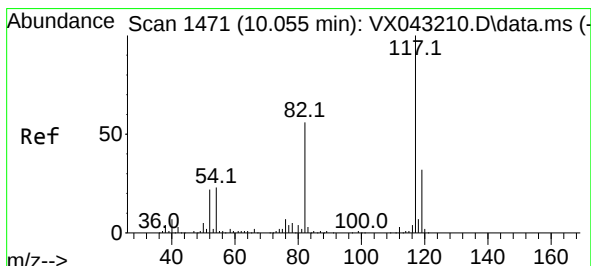
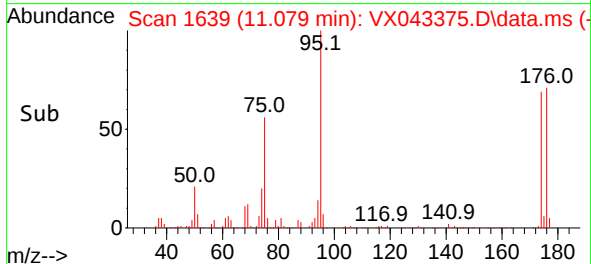
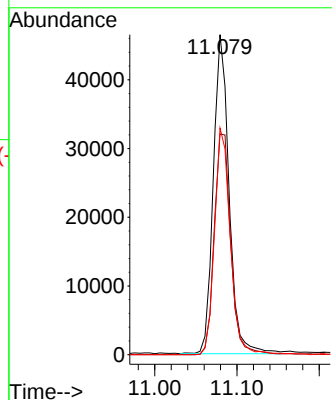
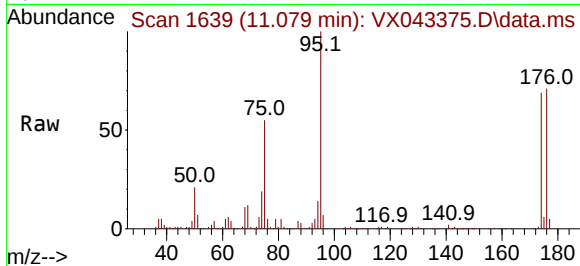




#62
4-Bromofluorobenzene
Concen: 47.721 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

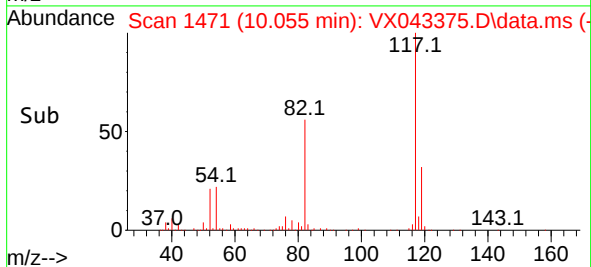
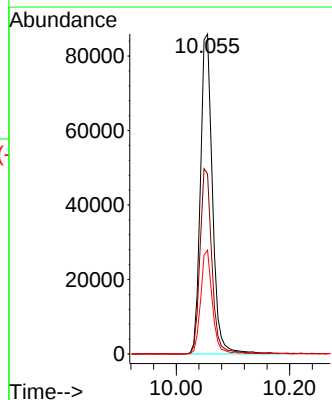
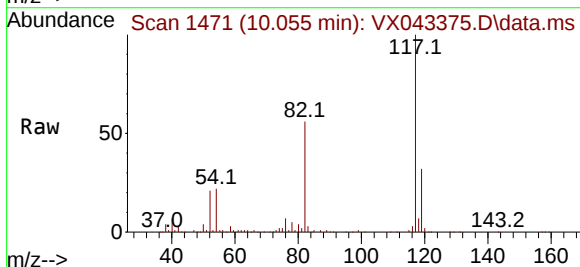
Instrument :
MSVOA_X
ClientSampleId :

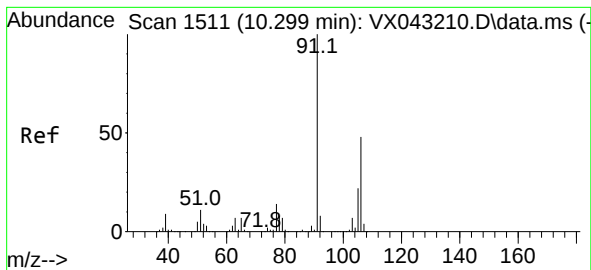
Tgt Ion: 95 Resp: 61980
Ion Ratio Lower Upper
95 100
174 72.4 0.0 145.0
176 71.1 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Tgt Ion: 117 Resp: 126587
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.6
119 32.4 25.3 37.9

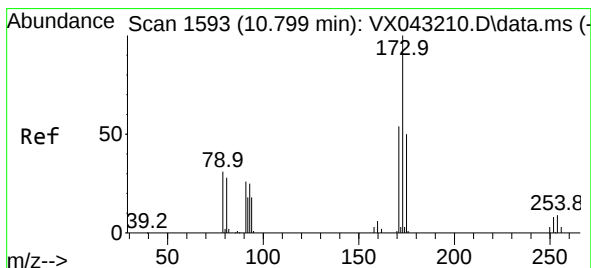
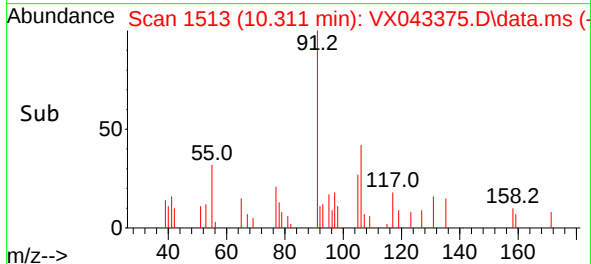
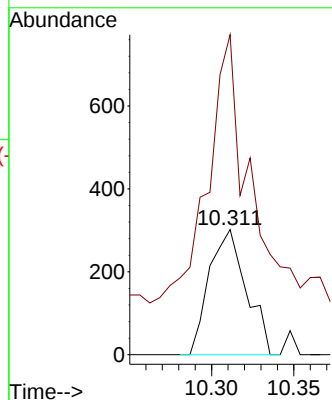
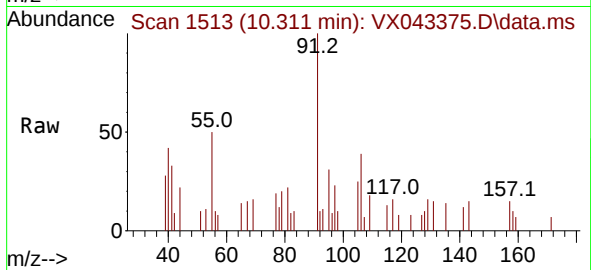




#68
m/p-Xylenes
Concen: 0.267 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

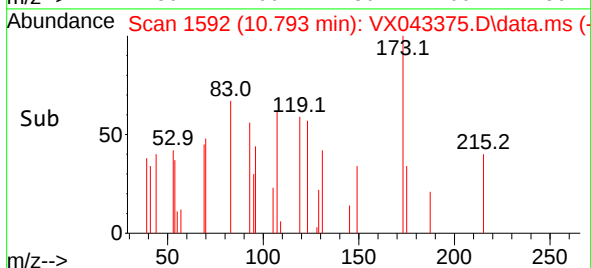
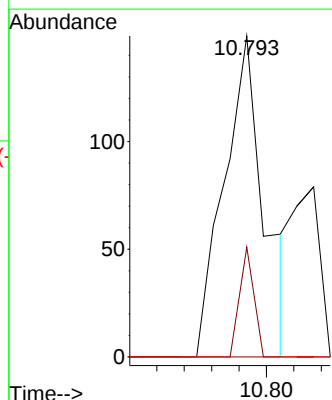
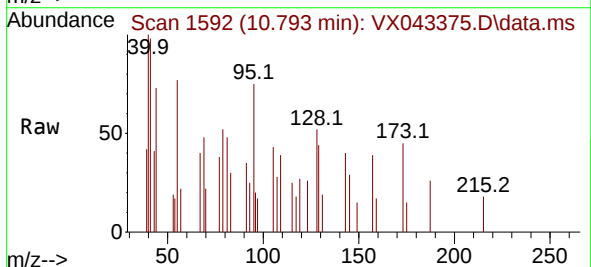
Instrument :
MSVOA_X
ClientSampleId :

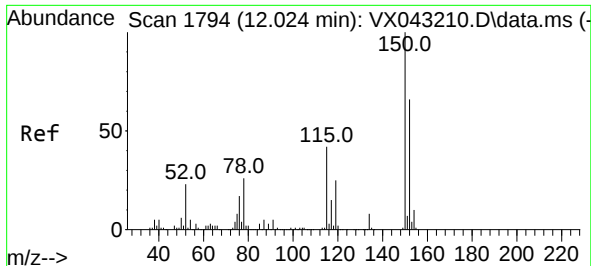
Tgt Ion:106 Resp: 475
Ion Ratio Lower Upper
106 100
91 242.1 167.0 250.6



#71
Bromoform
Concen: 0.206 ug/l
RT: 10.793 min Scan# 1592
Delta R.T. -0.006 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

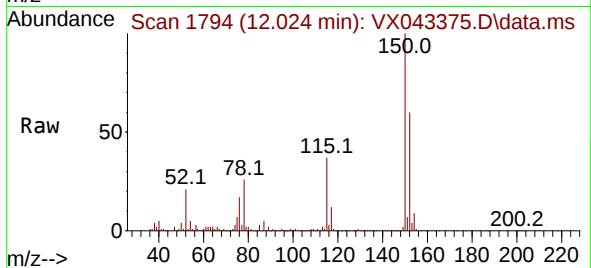
Tgt Ion:173 Resp: 152
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.0 0.0



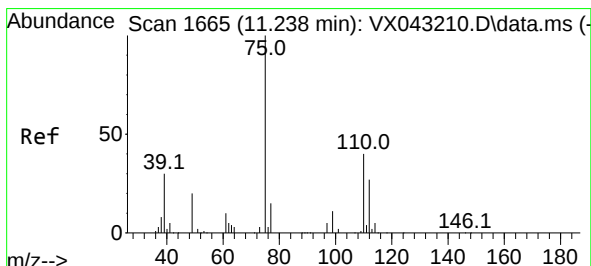
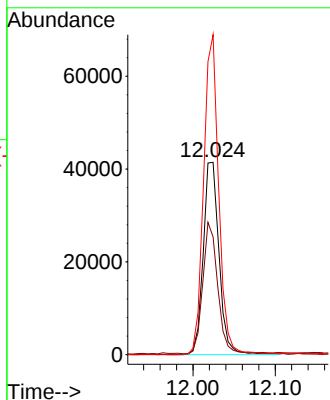
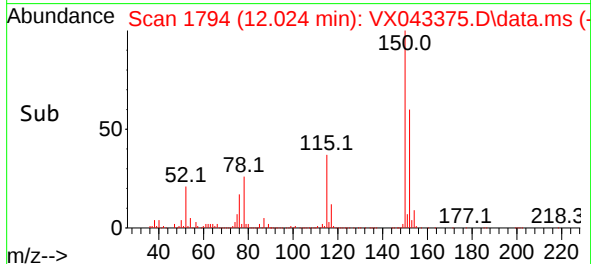


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Instrument :
MSVOA_X
ClientSampleId :

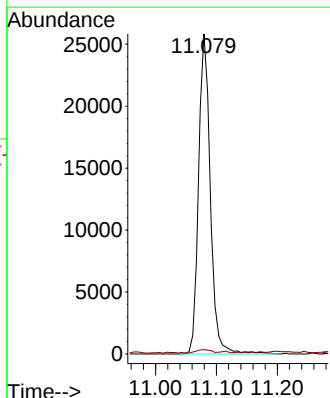
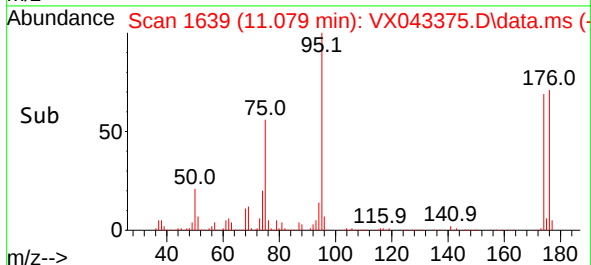
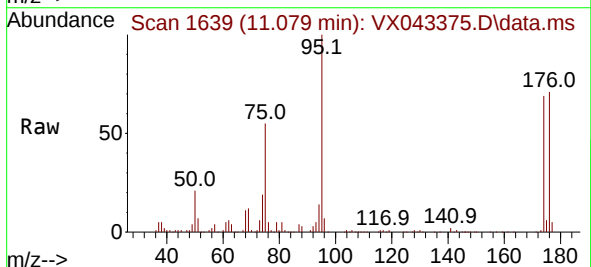


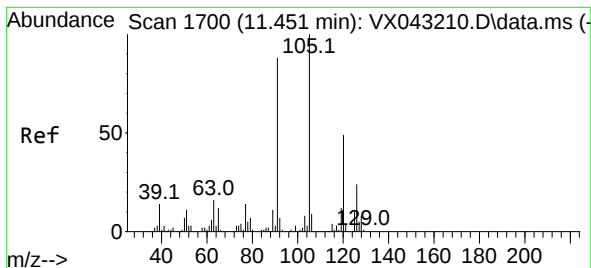
Tgt Ion:152 Resp: 55483
Ion Ratio Lower Upper
152 100
115 64.5 44.1 132.3
150 159.9 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 28.137 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Tgt Ion: 75 Resp: 34627
Ion Ratio Lower Upper
75 100
77 1.4 22.0 66.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.340 ug/l

RT: 11.384 min Scan# 1689

Delta R.T. -0.067 min

Lab File: VX043375.D

Acq: 14 Oct 2024 12:12

Instrument :

MSVOA_X

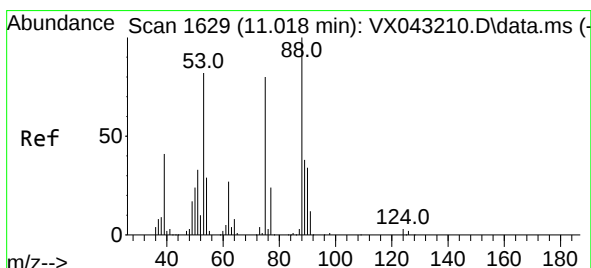
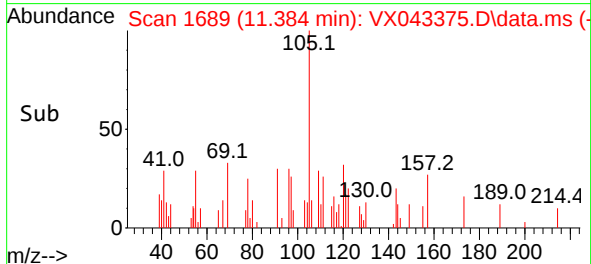
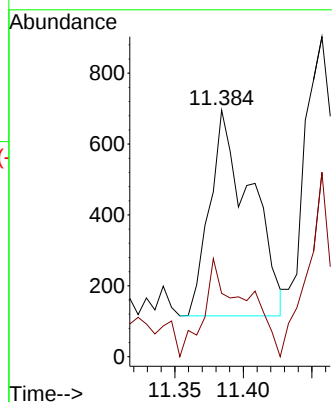
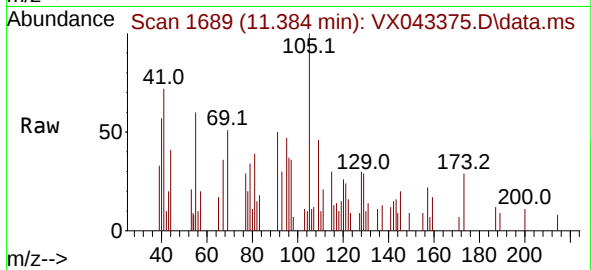
ClientSampleId :

Tgt Ion:105 Resp: 1211

Ion Ratio Lower Upper

105 100

120 47.6 23.9 71.8



#81

trans-1,4-Dichloro-2-butene

Concen: 72.920 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043375.D

Acq: 14 Oct 2024 12:12

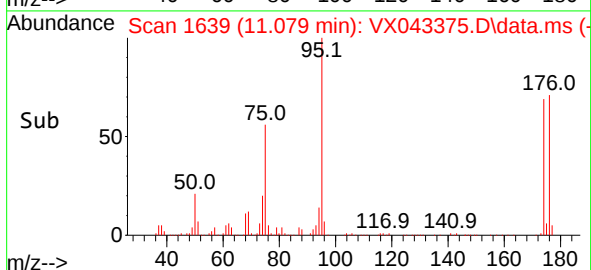
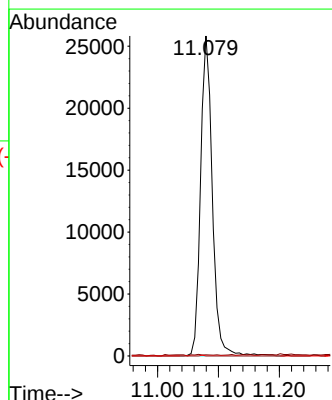
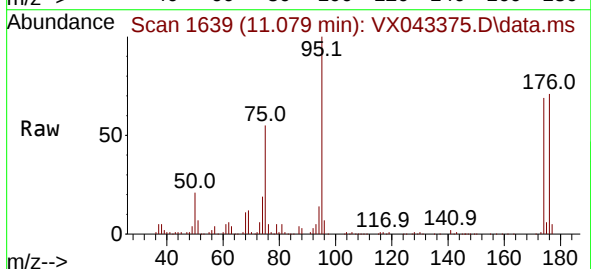
Tgt Ion: 75 Resp: 34627

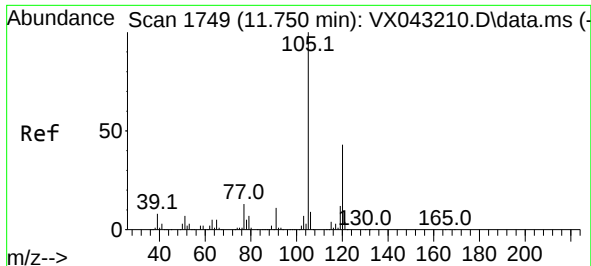
Ion Ratio Lower Upper

75 100

53 0.8 83.9 125.9#

89 0.1 38.6 58.0#

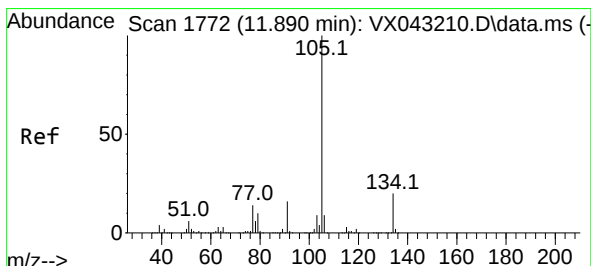
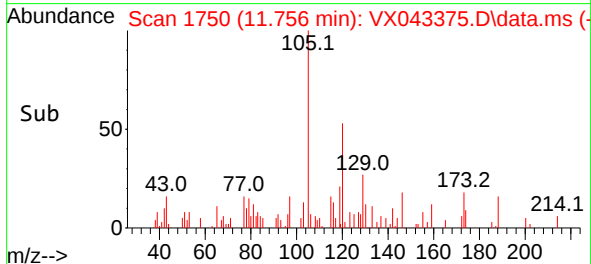
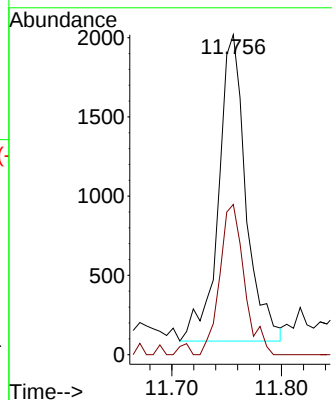
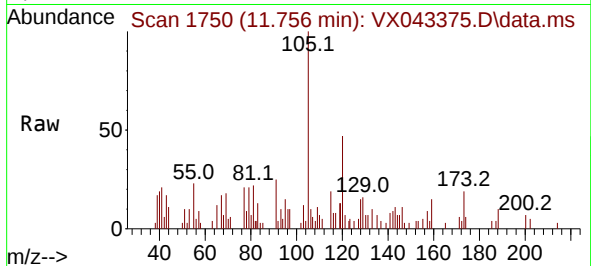




#84
1,2,4-Trimethylbenzene
Concen: 0.942 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

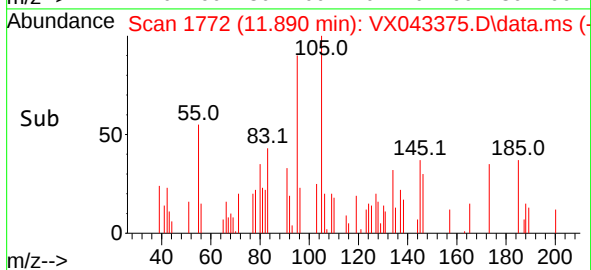
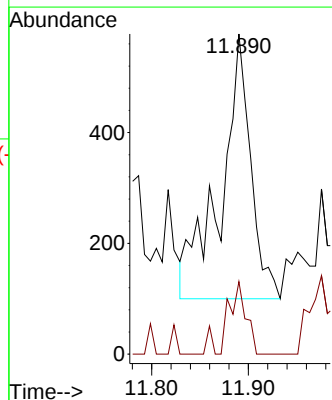
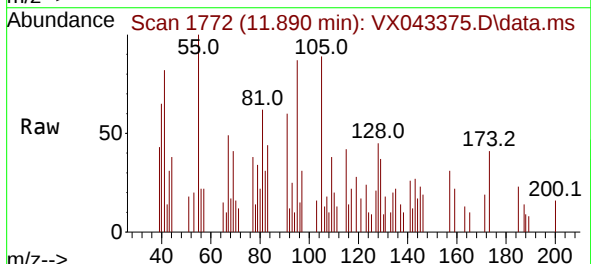
Instrument :
MSVOA_X
ClientSampleId :

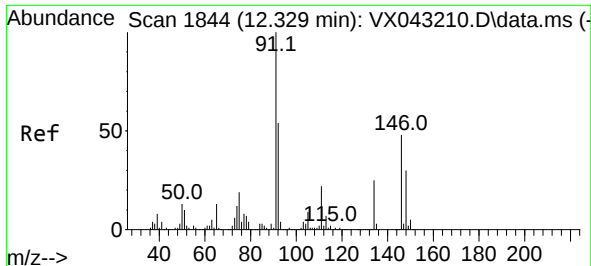
Tgt Ion:105 Resp: 3372
Ion Ratio Lower Upper
105 100
120 43.7 21.2 63.6



#85
sec-Butylbenzene
Concen: 0.237 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Tgt Ion:105 Resp: 1031
Ion Ratio Lower Upper
105 100
134 15.2 10.1 30.1

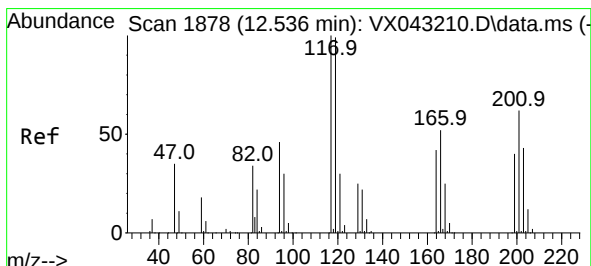
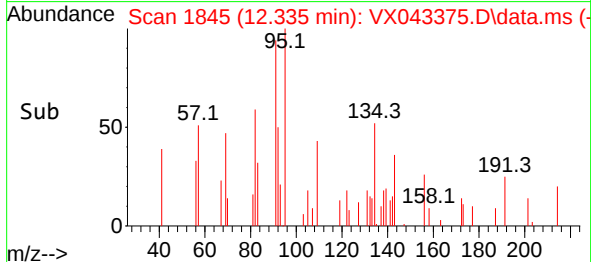
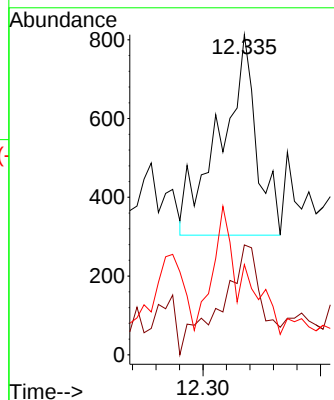
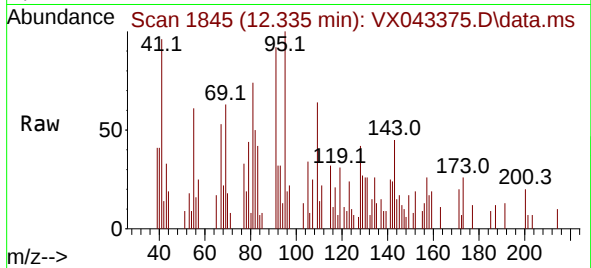




#89
n-Butylbenzene
Concen: 0.359 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

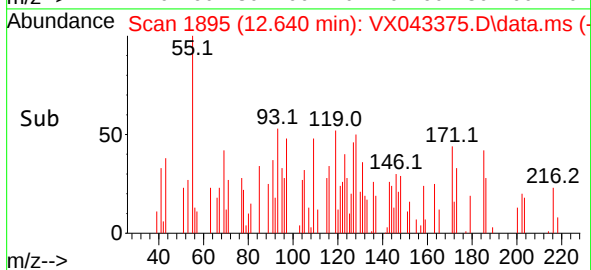
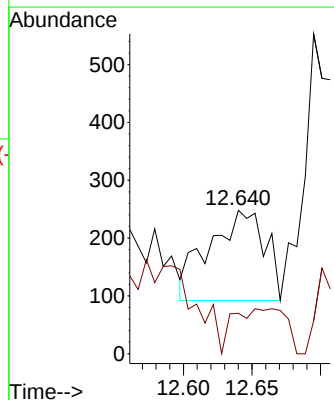
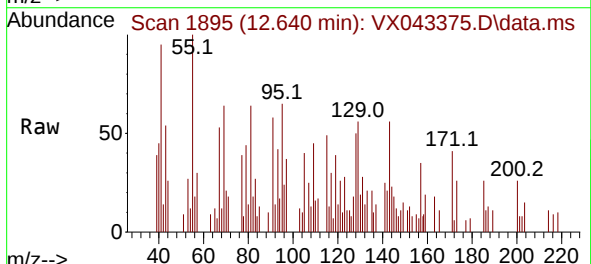
Instrument :
MSVOA_X
ClientSampleId :

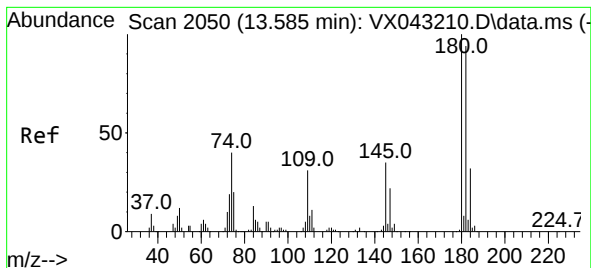
Tgt Ion: 91 Resp: 1090
Ion Ratio Lower Upper
91 100
92 63.1 27.0 81.0
134 55.9 12.9 38.6#



#90
Hexachloroethane
Concen: 0.649 ug/l
RT: 12.640 min Scan# 1895
Delta R.T. 0.104 min
Lab File: VX043375.D
Acq: 14 Oct 2024 12:12

Tgt Ion: 117 Resp: 441
Ion Ratio Lower Upper
117 100
201 46.9 34.0 101.8





#93

1,2,4-Trichlorobenzene

Concen: 0.281 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043375.D

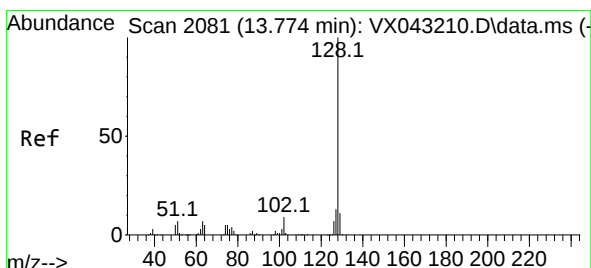
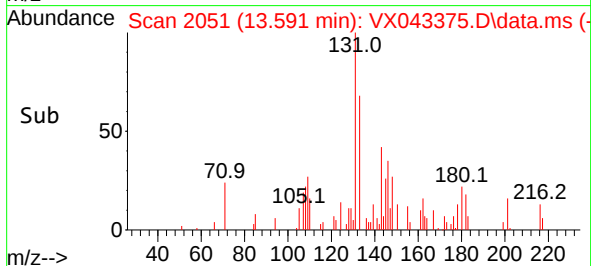
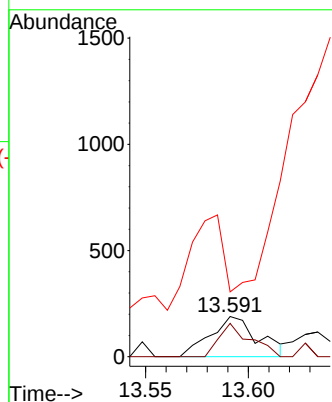
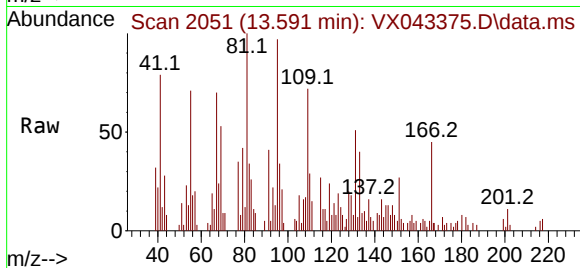
Acq: 14 Oct 2024 12:12

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	306
Ion Ratio	Lower	Upper
180	100	
182	54.2	47.1 141.3
145	246.7	16.6 49.8#



#95

Naphthalene

Concen: 0.338 ug/l

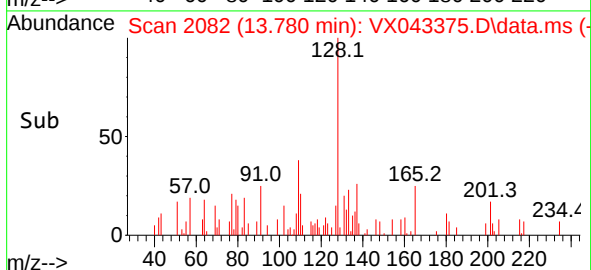
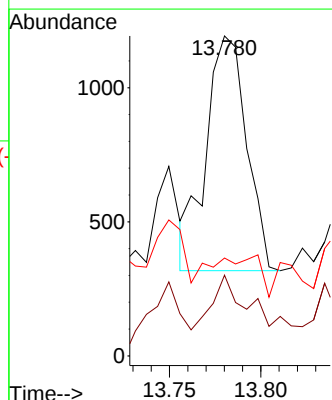
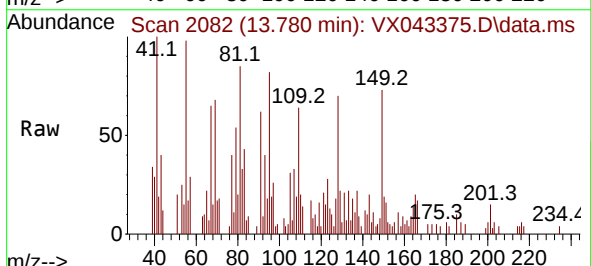
RT: 13.780 min Scan# 2082

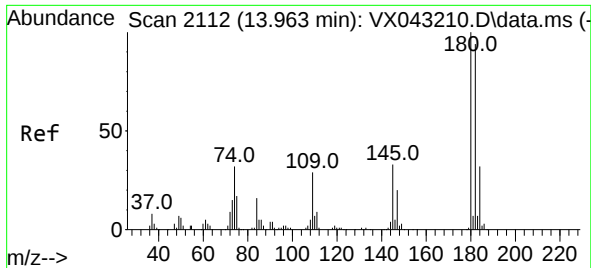
Delta R.T. 0.006 min

Lab File: VX043375.D

Acq: 14 Oct 2024 12:12

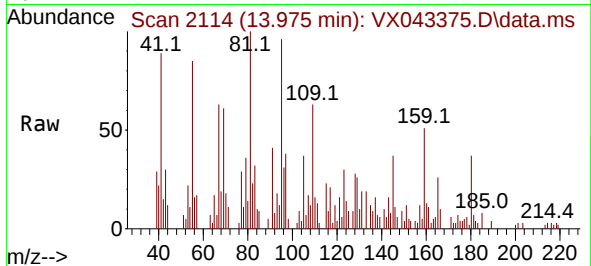
Tgt Ion:128	Resp:	1356
Ion Ratio	Lower	Upper
128	100	
127	40.6	10.2 15.2#
129	15.3	8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.142 ug/l
 RT: 13.975 min Scan# 2114
 Delta R.T. 0.012 min
 Lab File: VX043375.D
 Acq: 14 Oct 2024 12:12

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 1285
 Ion Ratio Lower Upper
 180 100
 182 14.6 46.5 139.3#
 145 100.5 17.2 51.6#

