

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080122\
 Data File : VX030331.D
 Acq On : 01 Aug 2022 18:38
 Operator : JC/MD
 Sample : N3861-14 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2-INCH

Quant Time: Aug 02 01:56:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

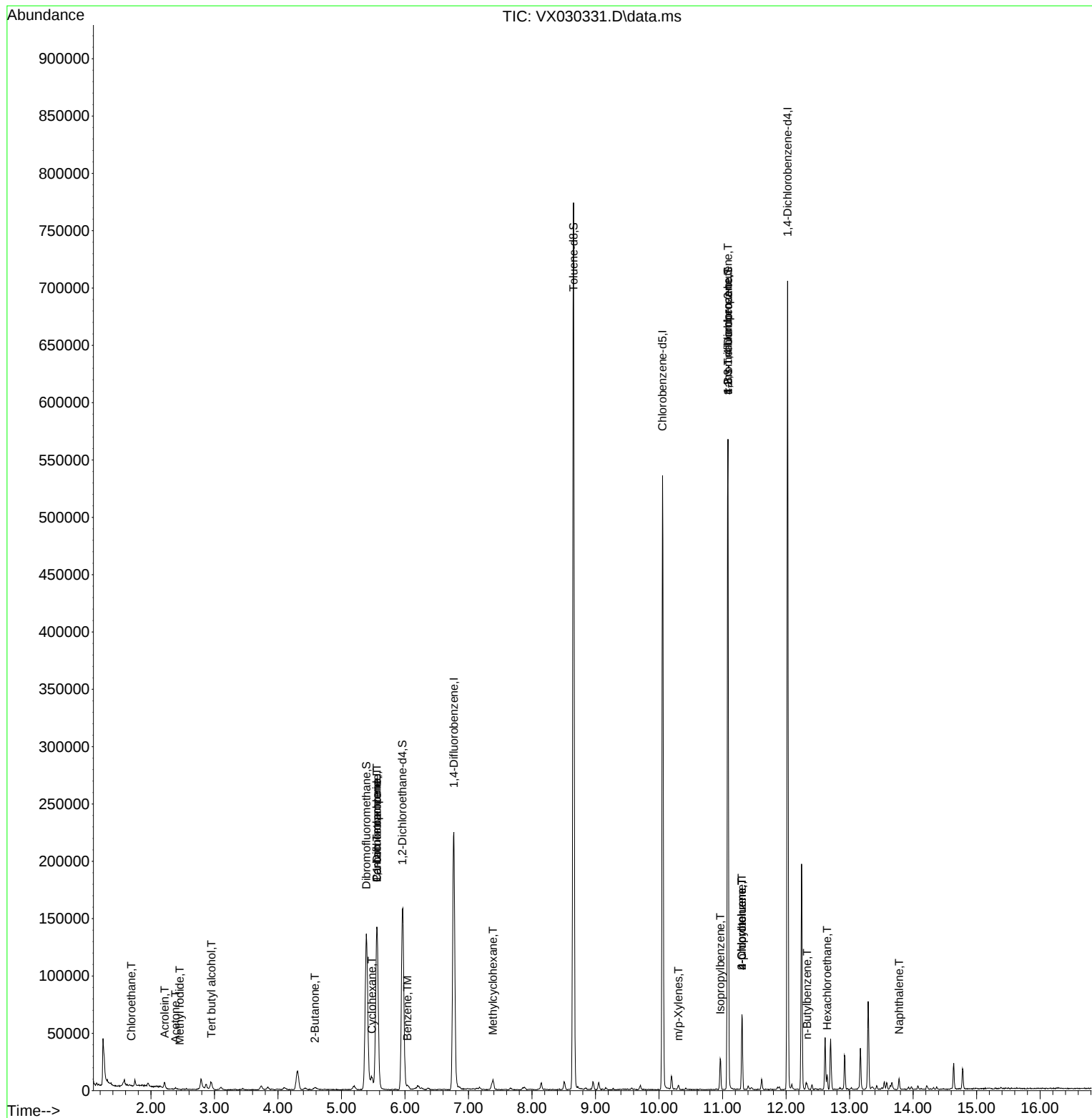
Internal Standards						
1) Pentafluorobenzene	5.556	168	133099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	231186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151255	56.540	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.080%
35) Dibromofluoromethane	5.391	113	121624	55.033	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.060%
50) Toluene-d8	8.653	98	449659	52.539	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.080%
62) 4-Bromofluorobenzene	11.085	95	156848	49.380	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.760%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	62	Below Cal	#	2
6) Chloroethane	1.691	64	776	0.620	ug/l #	88
10) Methyl Iodide	2.453	142	147	1.594	ug/l #	45
11) Tert butyl alcohol	2.953	59	4034	6.182	ug/l #	74
13) Acrolein	2.215	56	233	1.453	ug/l #	1
16) Acetone	2.386	43	1563	1.141	ug/l	93
20) Methylene Chloride	2.794	84	3263	Below Cal		89
25) 2-Butanone	4.580	43	579	0.252	ug/l #	48
31) Cyclohexane	5.476	56	6793	1.749	ug/l #	88
36) 1,1-Dichloropropene	5.556	75	11474	3.608	ug/l #	46
38) Carbon Tetrachloride	5.556	117	14006	4.717	ug/l #	17
39) Methylcyclohexane	7.385	83	3448	0.840	ug/l	91
40) Benzene	6.037	78	3083	0.308	ug/l	95
67) Ethyl Benzene	10.195	91	6993	Below Cal		99
68) m/p-Xylenes	10.305	106	916	0.210	ug/l	95
73) Isopropylbenzene	10.963	105	13762	1.294	ug/l	100
76) 1,2,3-Trichloropropane	11.085	75	79025	22.009	ug/l #	38
78) n-propylbenzene	11.305	91	40992	3.230	ug/l	99
79) 2-Chlorotoluene	11.305	91	40992	5.114	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.085	75	79025	66.025	ug/l #	13
82) 4-Chlorotoluene	11.305	91	40992	4.681	ug/l #	44
89) n-Butylbenzene	12.329	91	2171	0.258	ug/l #	76
90) Hexachloroethane	12.646	117	3576	2.298	ug/l #	16
95) Naphthalene	13.780	128	5732	0.531	ug/l #	95

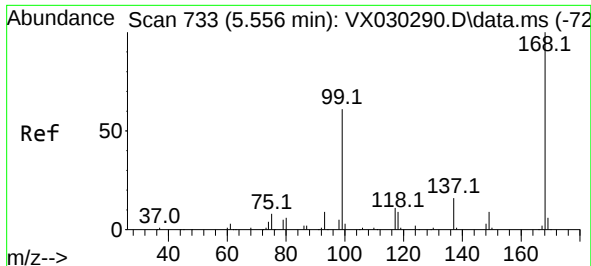
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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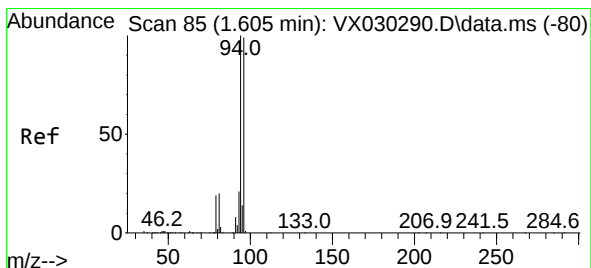
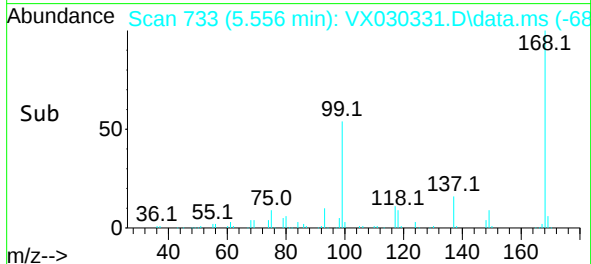
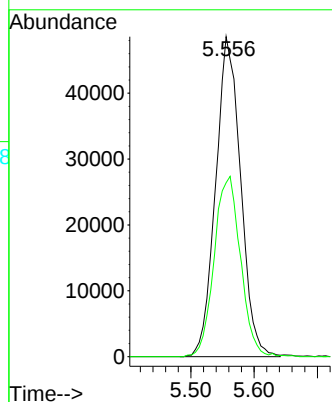
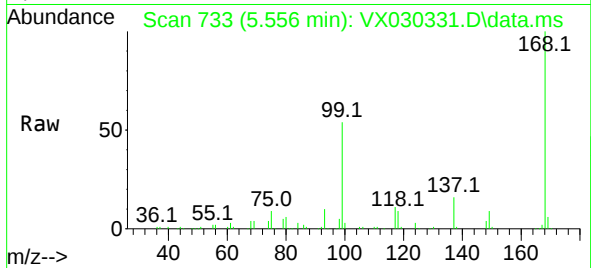




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030331.D
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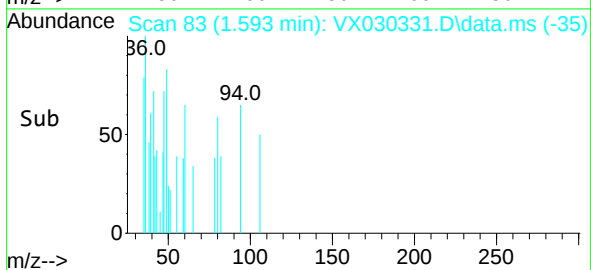
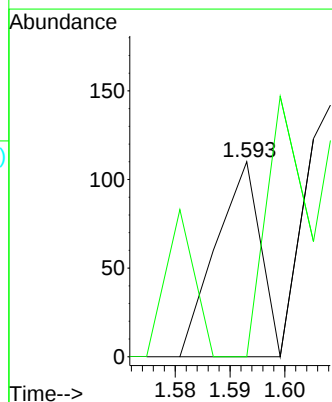
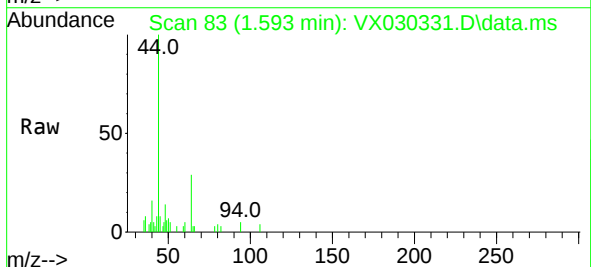
Instrument :
MSVOA_X
ClientSampleId :
2-INCH

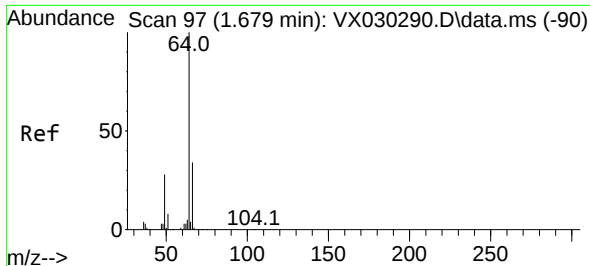
Tgt Ion:168 Resp: 133099
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Tgt Ion: 94 Resp: 62
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#

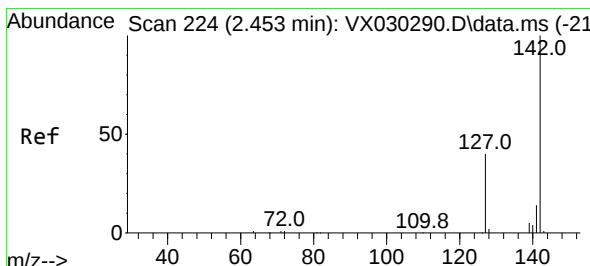
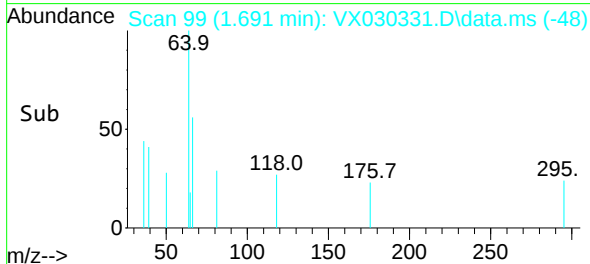
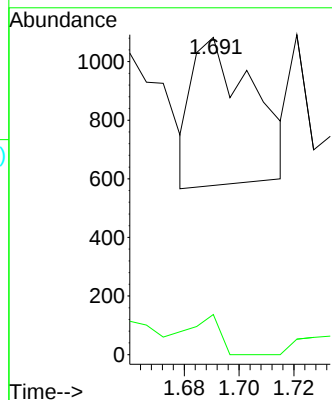
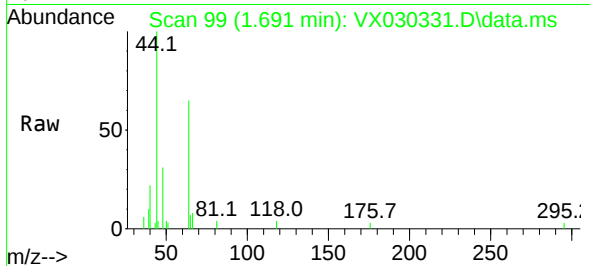




#6
Chloroethane
Concen: 0.620 ug/l
RT: 1.691 min Scan# 97
Delta R.T. 0.013 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

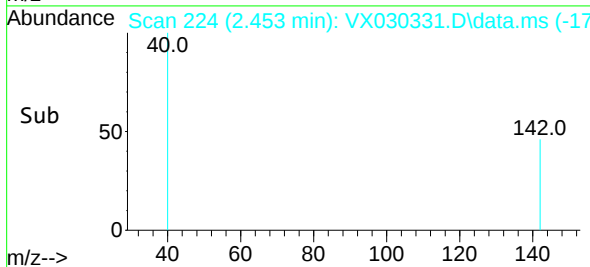
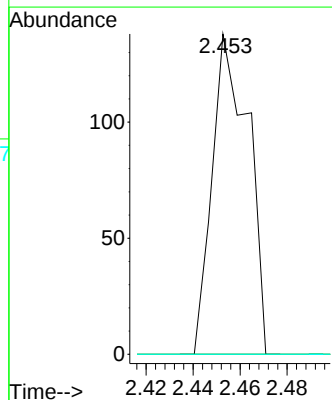
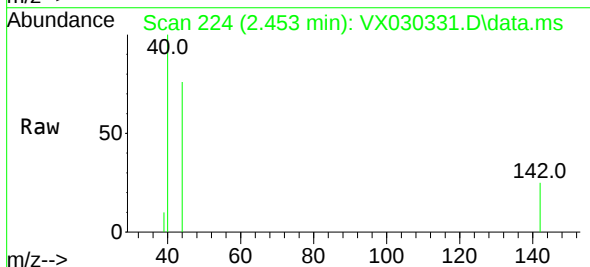
Instrument :
MSVOA_X
ClientSampleId :
2-INCH

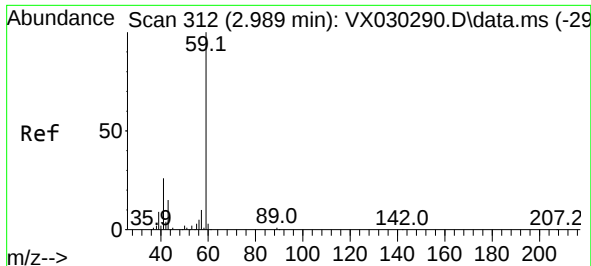
Tgt Ion: 64 Resp: 776
Ion Ratio Lower Upper
64 100
66 41.1 27.2 40.8#



#10
Methyl Iodide
Concen: 1.594 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.007 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Tgt Ion: 142 Resp: 147
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 6.182 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.024 min

Lab File: VX030331.D

Acq: 01 Aug 2022 18:38

Instrument :

MSVOA_X

ClientSampleId :

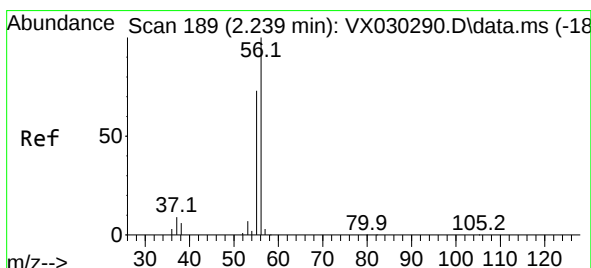
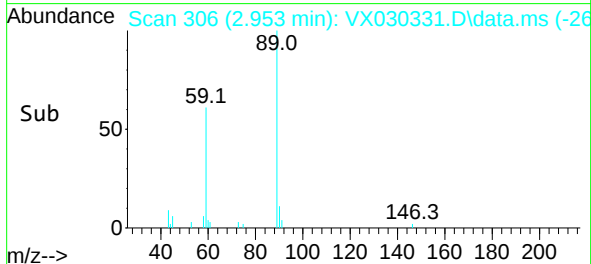
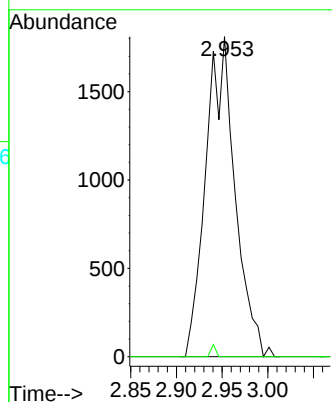
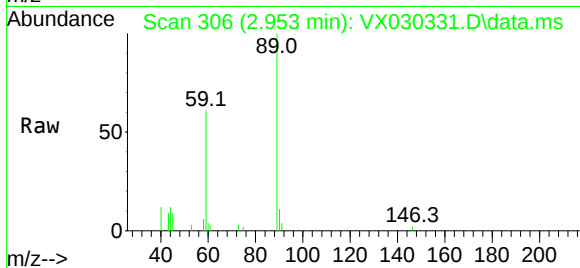
2-INCH

Tgt Ion: 59 Resp: 4034

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 1.453 ug/l

RT: 2.215 min Scan# 185

Delta R.T. -0.024 min

Lab File: VX030331.D

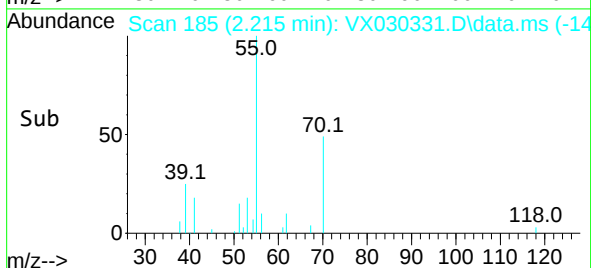
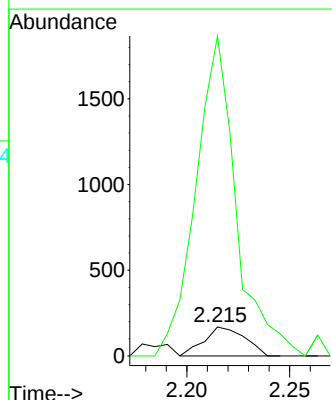
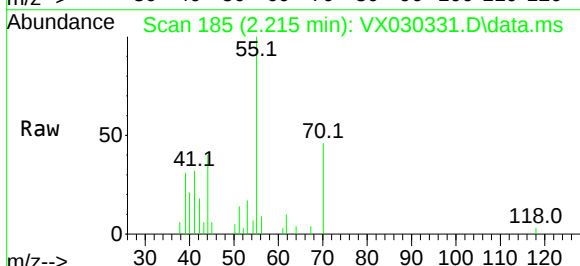
Acq: 01 Aug 2022 18:38

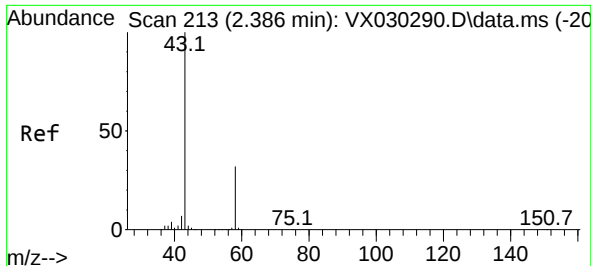
Tgt Ion: 56 Resp: 233

Ion Ratio Lower Upper

56 100

55 1094.8 56.6 84.8#

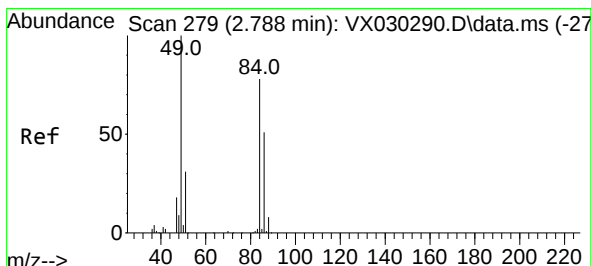
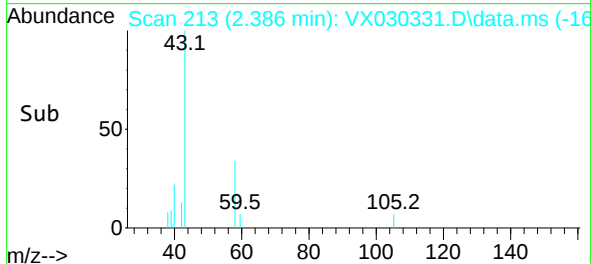
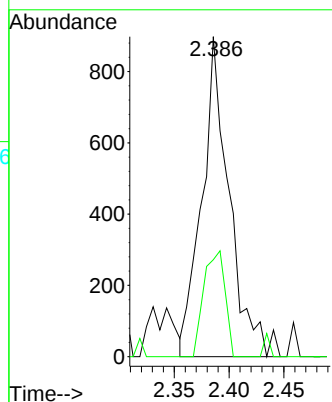
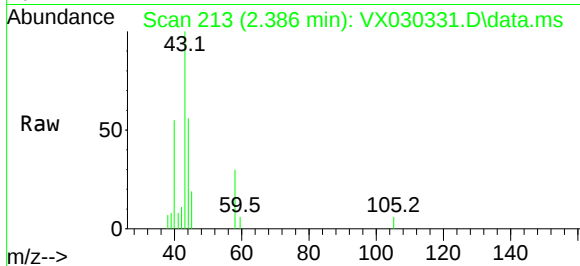




#16
Acetone
Concen: 1.141 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

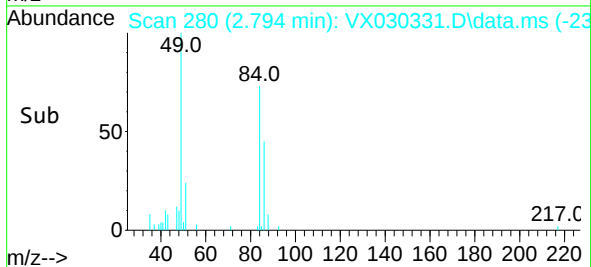
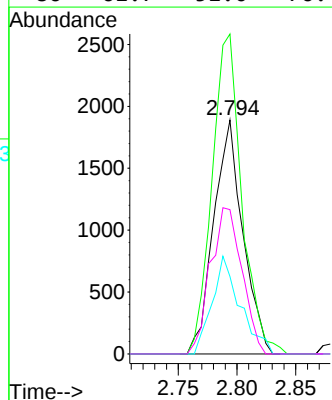
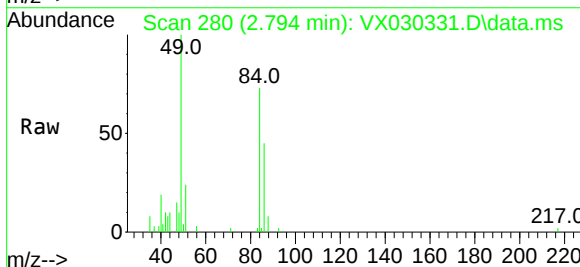
Instrument :
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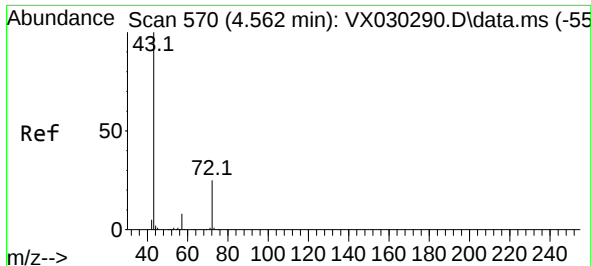
Tgt Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
58 30.3 27.7 41.5



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Tgt Ion: 84 Resp: 3263
Ion Ratio Lower Upper
84 100
49 136.8 93.8 140.6
51 33.1 29.4 44.0
86 61.7 51.0 76.4

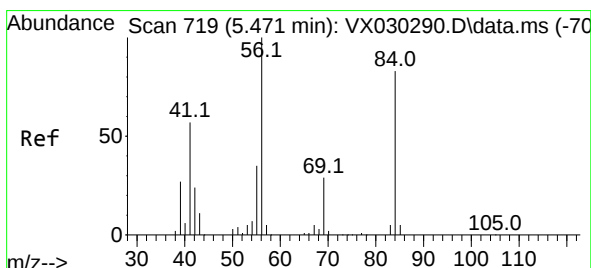
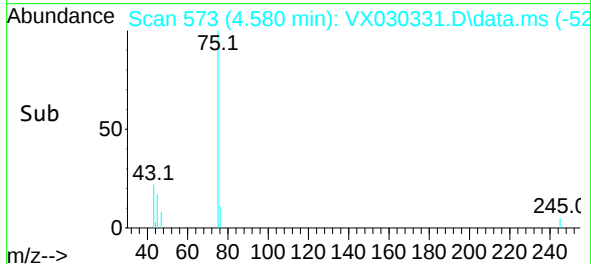
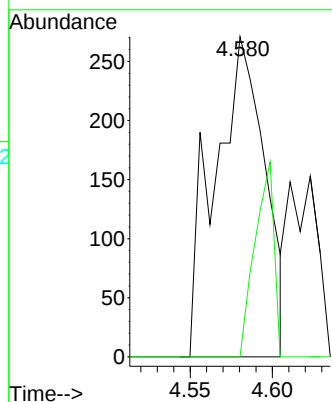
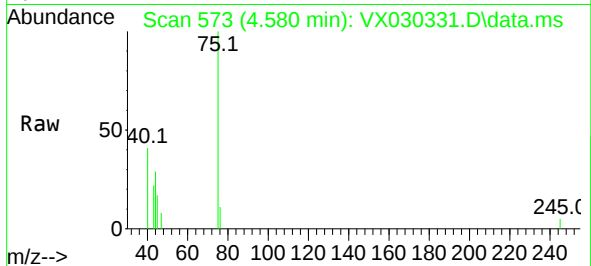




#25
2-Butanone
Concen: 0.252 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

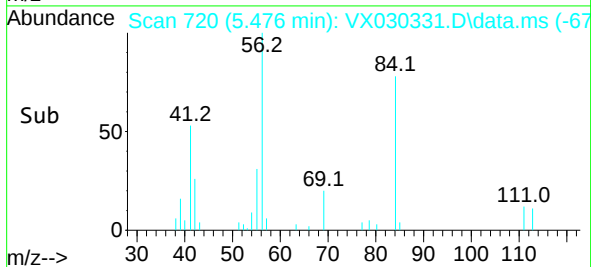
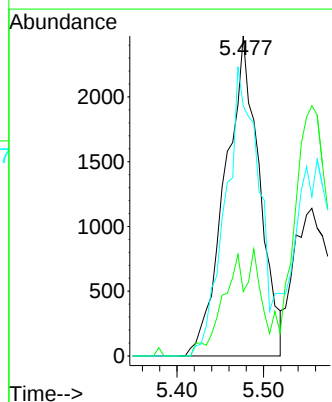
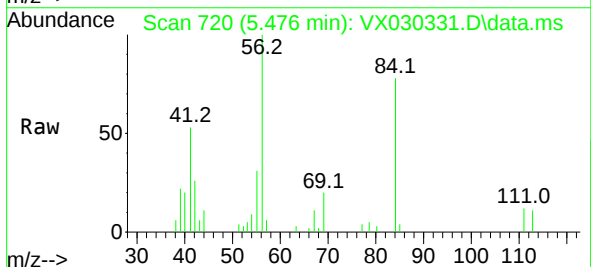
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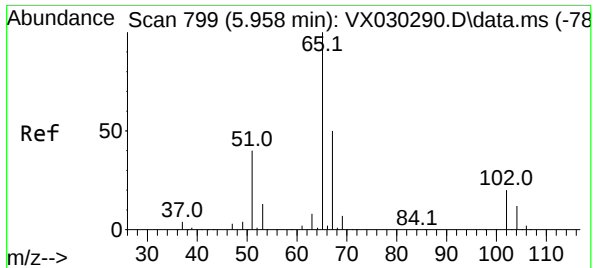
Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 1.749 ug/l
RT: 5.476 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Tgt Ion: 56 Resp: 6793
Ion Ratio Lower Upper
56 100
69 20.2 25.4 38.0#
84 78.1 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 56.540 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX030331.D

Acq: 01 Aug 2022 18:38

Instrument :

MSVOA_X

ClientSampleId :

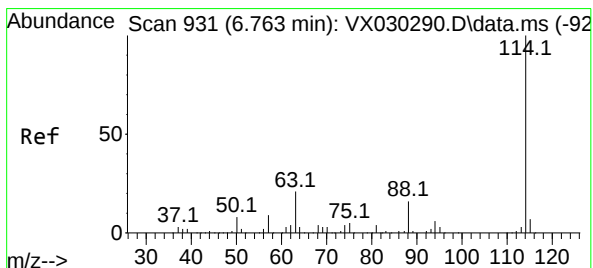
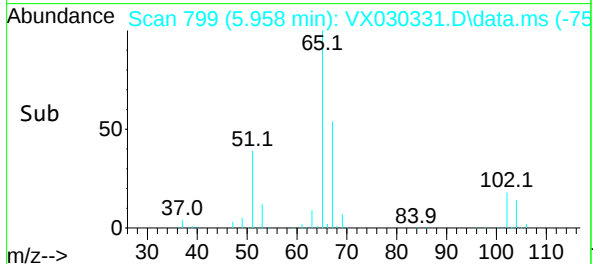
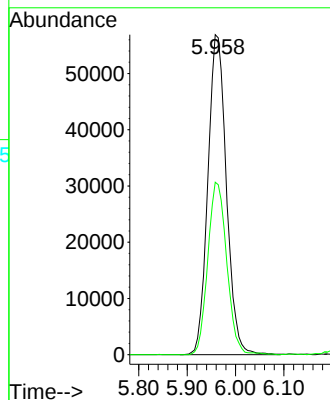
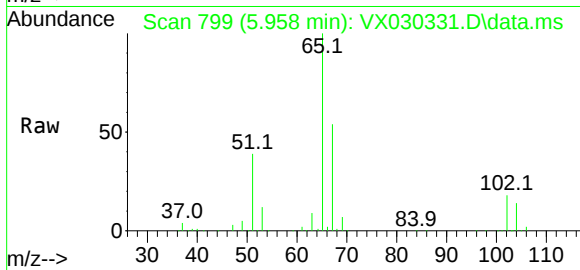
2-INCH

Tgt Ion: 65 Resp: 151255

Ion Ratio Lower Upper

65 100

67 55.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX030331.D

Acq: 01 Aug 2022 18:38

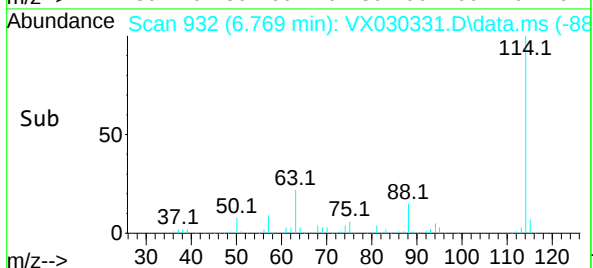
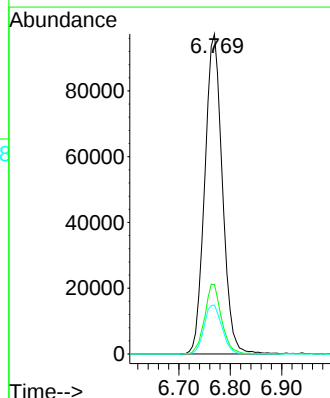
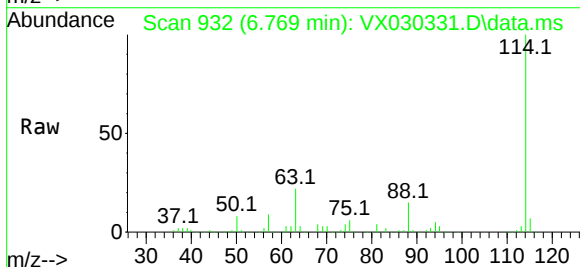
Tgt Ion: 114 Resp: 231186

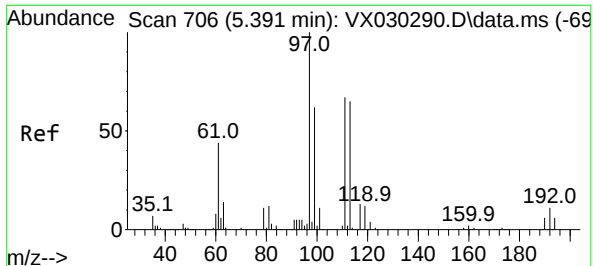
Ion Ratio Lower Upper

114 100

63 21.7 0.0 38.4

88 15.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 55.033 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030331.D

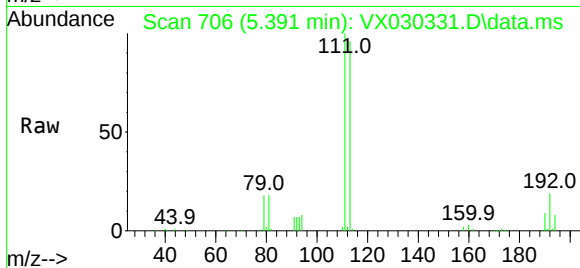
Acq: 01 Aug 2022 18:38

Instrument :

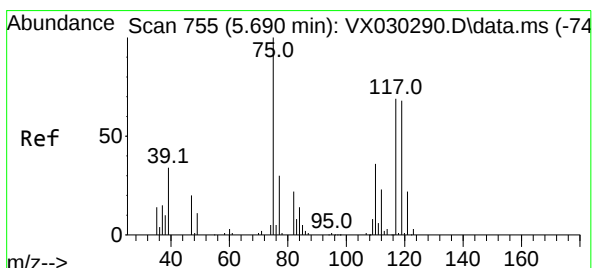
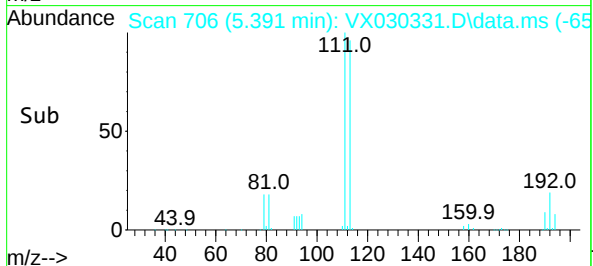
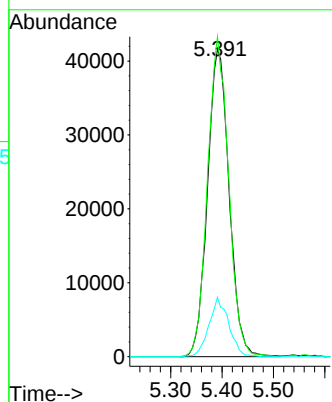
MSVOA_X

ClientSampleId :

2-INCH



Tgt Ion:	113	Resp:	121624
Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.2	124.8
192	17.6	14.8	22.2



#36

1,1-Dichloropropene

Concen: 3.608 ug/l

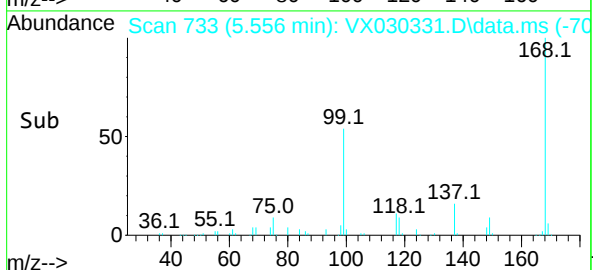
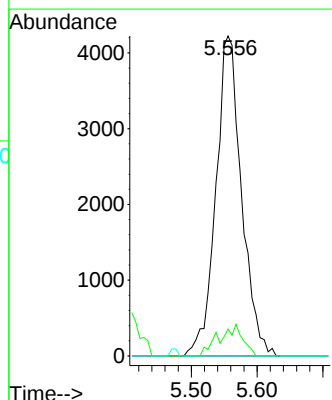
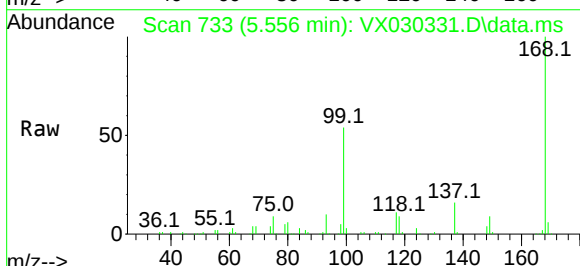
RT: 5.556 min Scan# 733

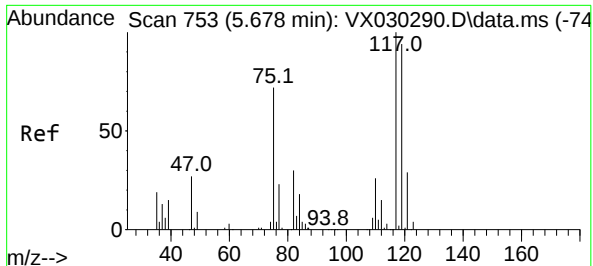
Delta R.T. -0.140 min

Lab File: VX030331.D

Acq: 01 Aug 2022 18:38

Tgt Ion:	75	Resp:	11474
Ion	Ratio	Lower	Upper
75	100		
110	6.3	19.3	57.9#
77	0.0	24.4	36.6#

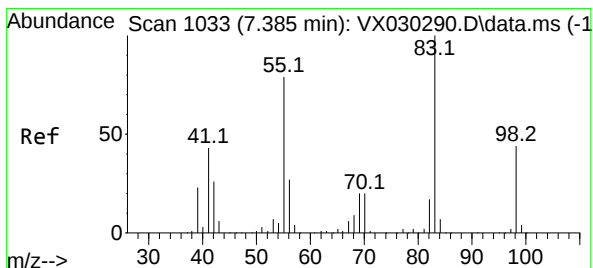
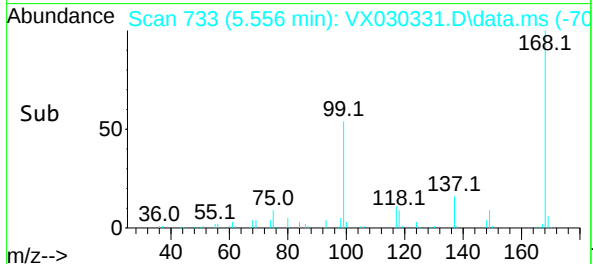
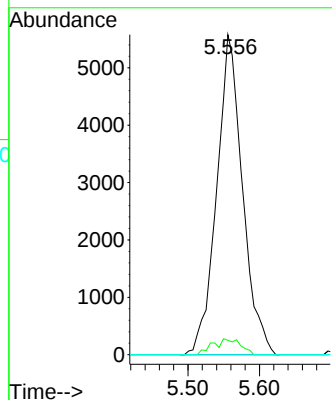
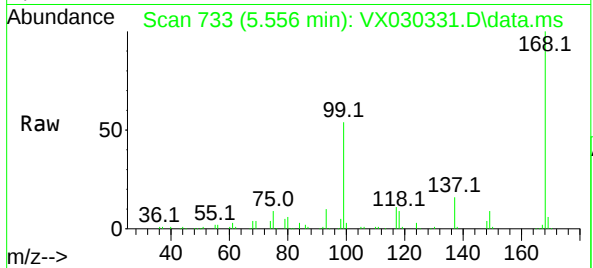




#38
Carbon Tetrachloride
Concen: 4.717 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

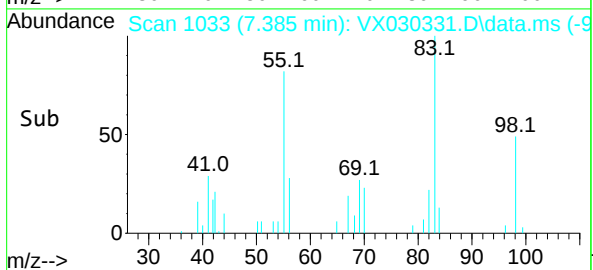
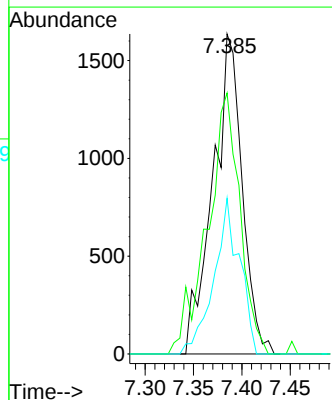
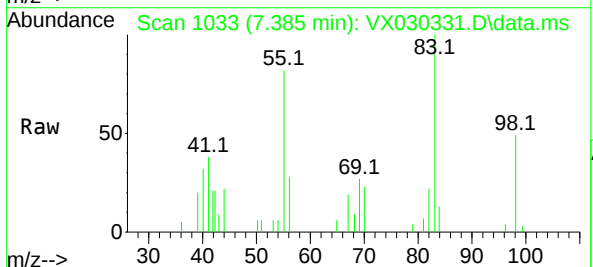
Instrument :
MSVOA_X
ClientSampleId :
2-INCH

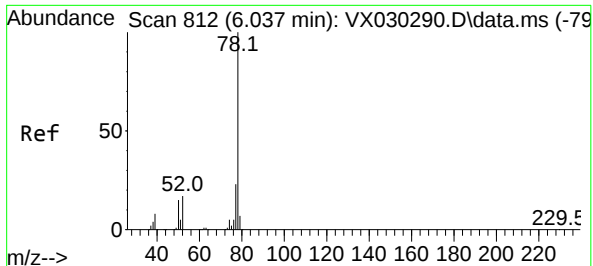
Tgt Ion:117 Resp: 14006
Ion Ratio Lower Upper
117 100
119 4.5 74.1 111.1#
121 0.0 25.8 38.8#



#39
Methylcyclohexane
Concen: 0.840 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.001 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Tgt Ion: 83 Resp: 3448
Ion Ratio Lower Upper
83 100
55 81.5 57.7 86.5
98 48.7 36.5 54.7

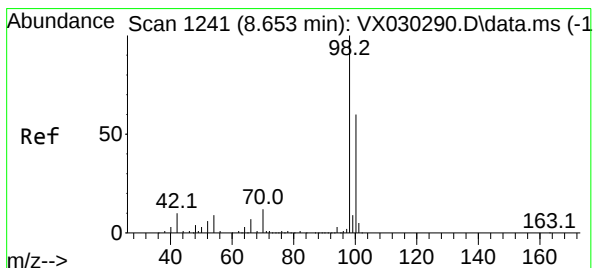
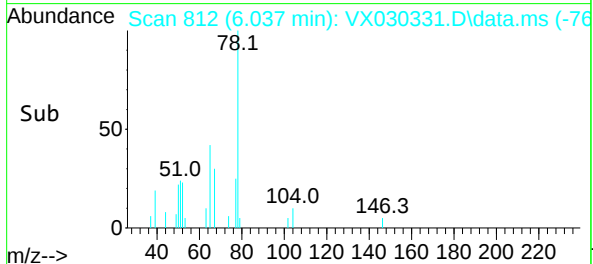
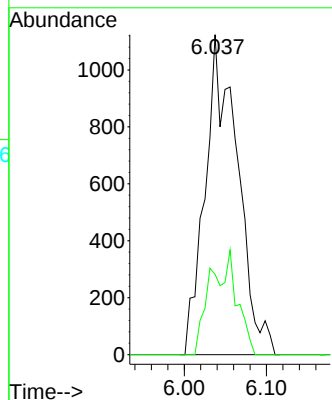
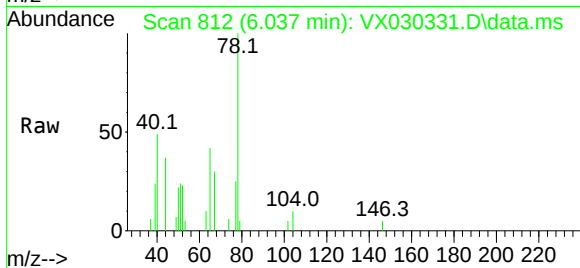




#40
Benzene
Concen: 0.308 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

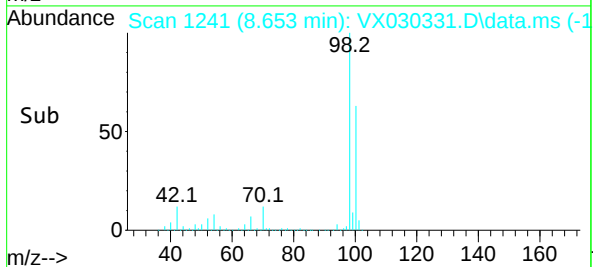
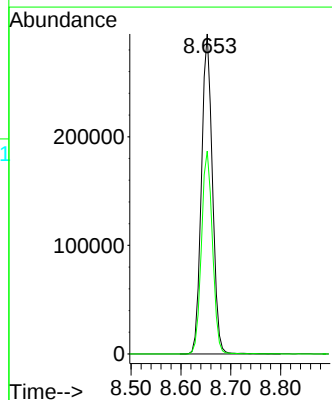
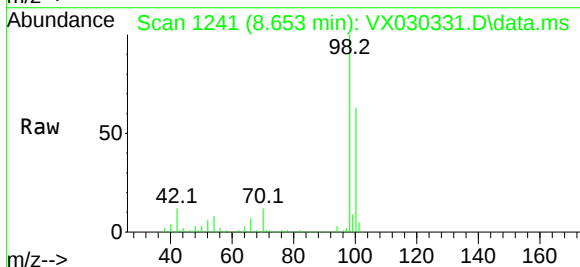
Instrument :
MSVOA_X
ClientSampleId :
2-INCH

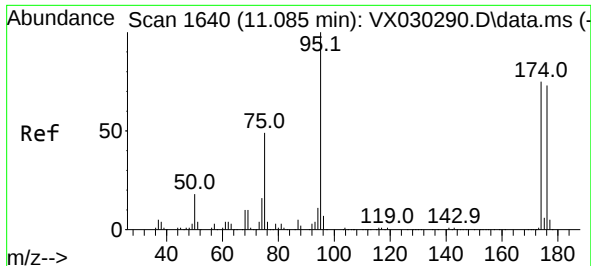
Tgt Ion: 78 Resp: 3083
Ion Ratio Lower Upper
78 100
77 25.1 18.0 27.0



#50
Toluene-d8
Concen: 52.539 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Tgt Ion: 98 Resp: 449659
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5

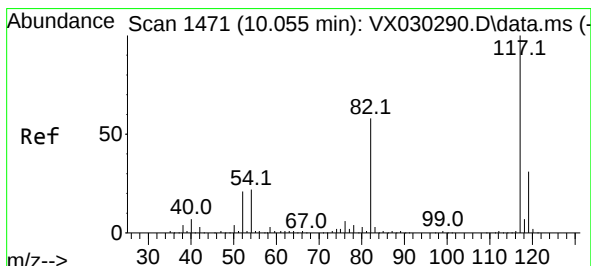
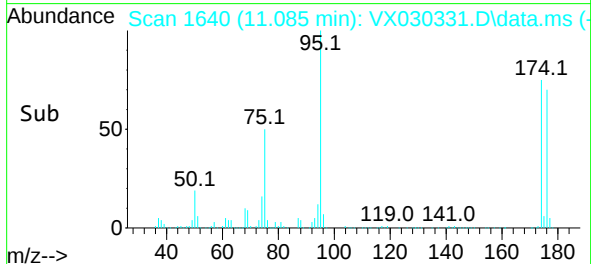
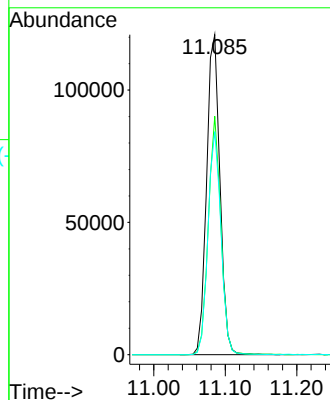
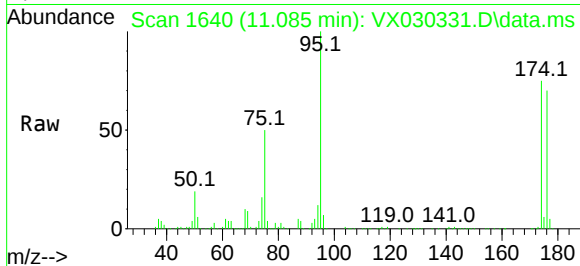




#62
4-Bromofluorobenzene
Concen: 49.380 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

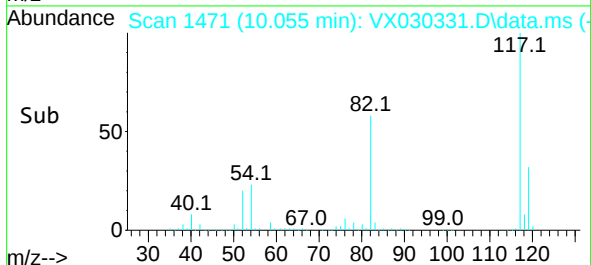
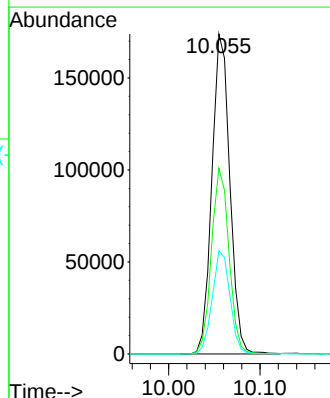
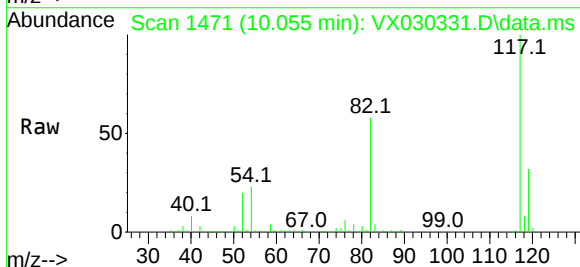
Instrument :
MSVOA_X
ClientSampleId :
2-INCH

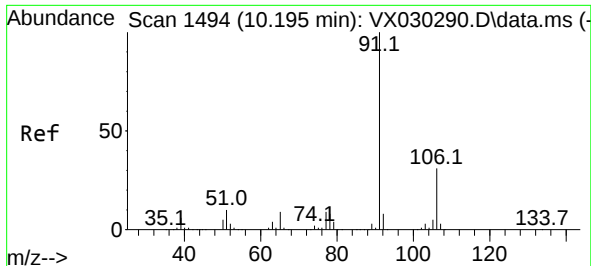
Tgt Ion: 95 Resp: 156848
Ion Ratio Lower Upper
95 100
174 70.2 0.0 149.0
176 67.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Tgt Ion: 117 Resp: 236935
Ion Ratio Lower Upper
117 100
82 58.1 42.7 64.1
119 32.2 25.4 38.2





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030331.D

Acq: 01 Aug 2022 18:38

Instrument :

MSVOA_X

ClientSampleId :

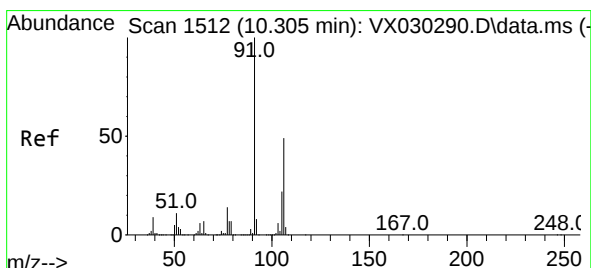
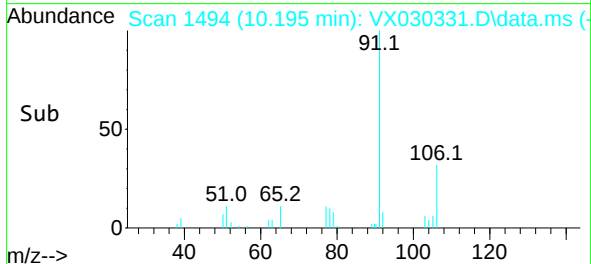
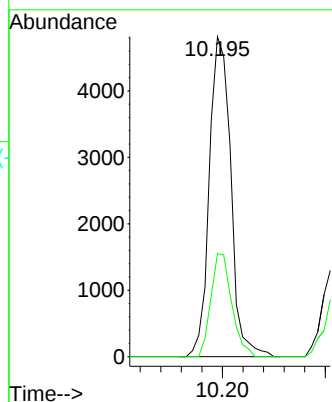
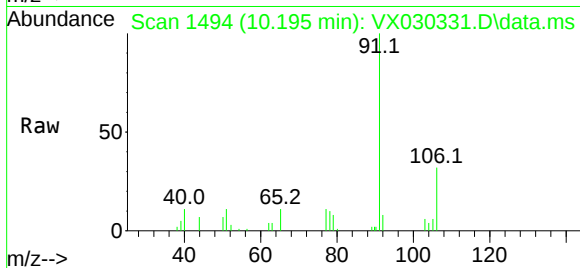
2-INCH

Tgt Ion: 91 Resp: 6993

Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3



#68

m/p-Xylenes

Concen: 0.210 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX030331.D

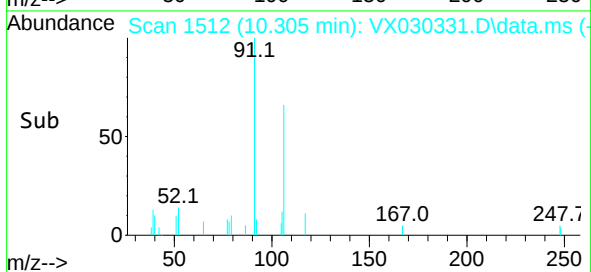
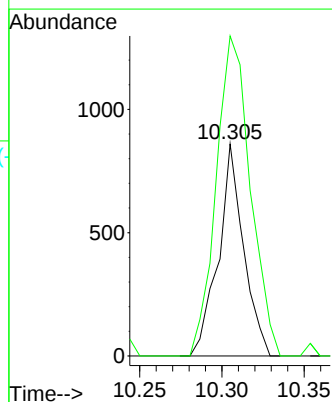
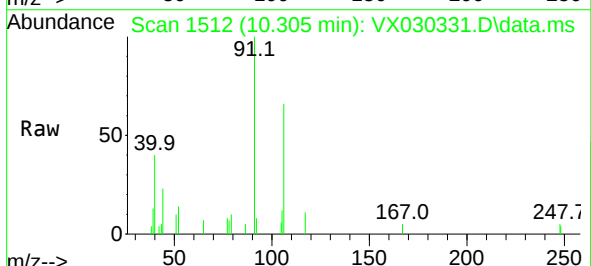
Acq: 01 Aug 2022 18:38

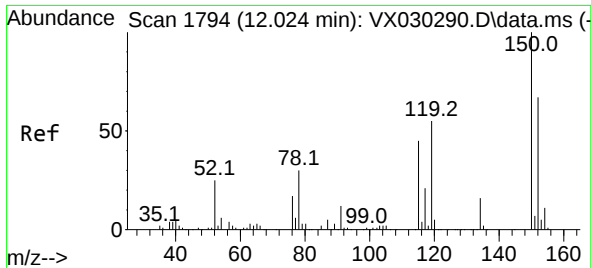
Tgt Ion: 106 Resp: 916

Ion Ratio Lower Upper

106 100

91 204.9 158.2 237.4

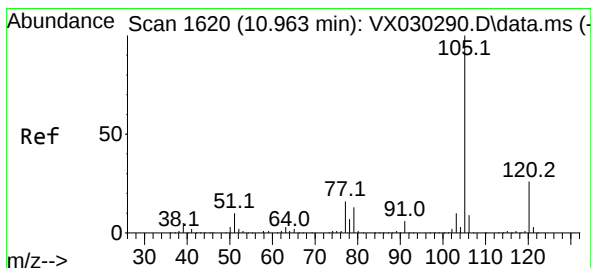
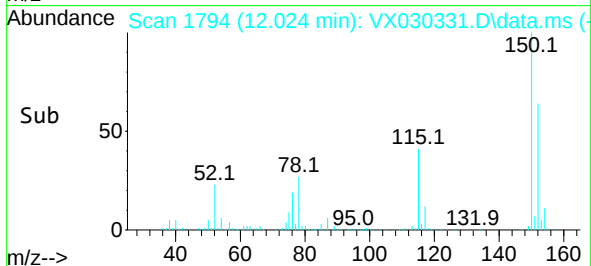
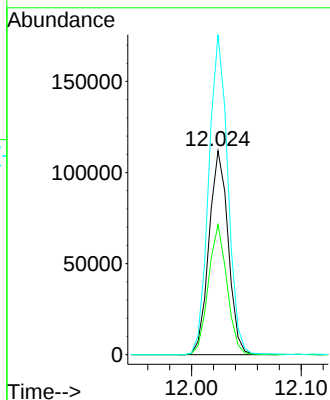
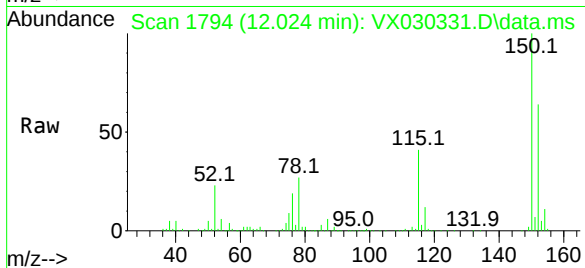




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

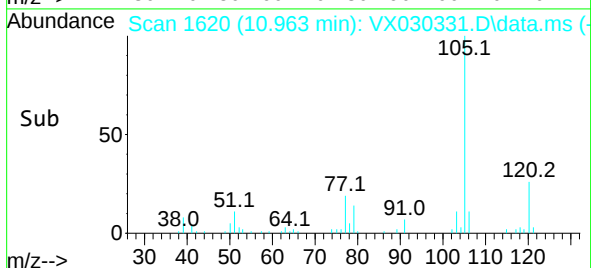
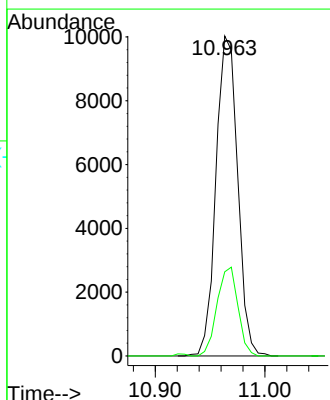
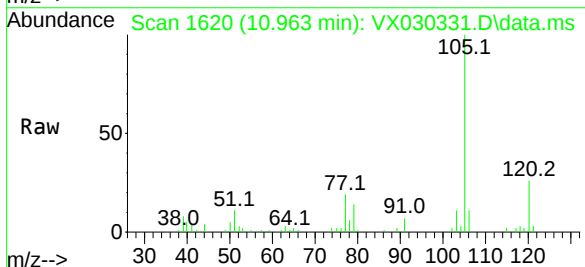
Instrument :
MSVOA_X
ClientSampleId :
2-INCH

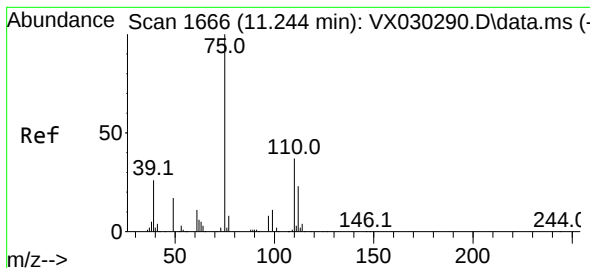
Tgt Ion:152 Resp: 136217
Ion Ratio Lower Upper
152 100
115 61.6 40.5 121.5
150 155.9 0.0 347.0



#73
Isopropylbenzene
Concen: 1.294 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Tgt Ion:105 Resp: 13762
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4





#76

1,2,3-Trichloropropane

Concen: 22.009 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.158 min

Lab File: VX030331.D

Acq: 01 Aug 2022 18:38

Instrument :

MSVOA_X

ClientSampleId :

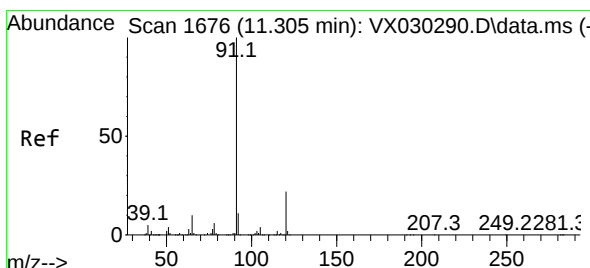
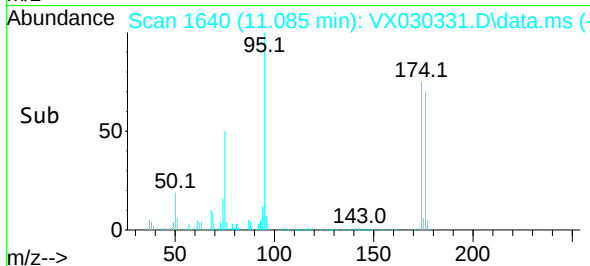
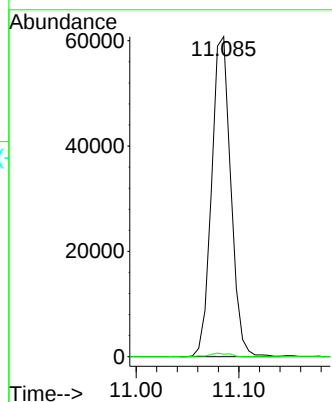
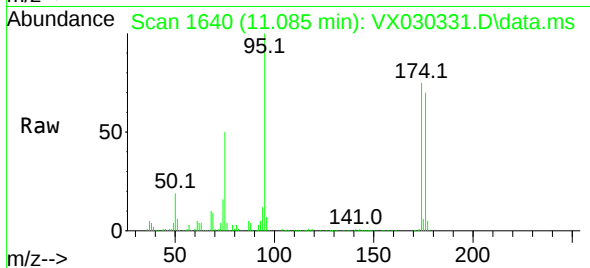
2-INCH

Tgt Ion: 75 Resp: 79025

Ion Ratio Lower Upper

75 100

77 1.2 19.8 59.3#



#78

n-propylbenzene

Concen: 3.230 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.005 min

Lab File: VX030331.D

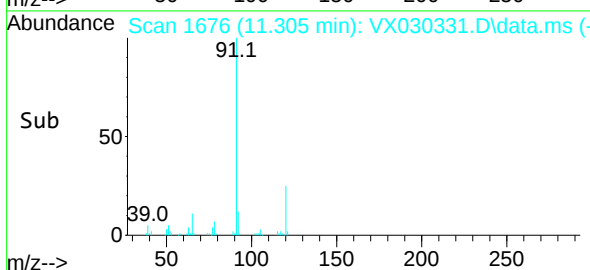
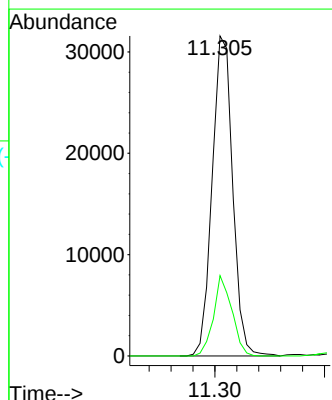
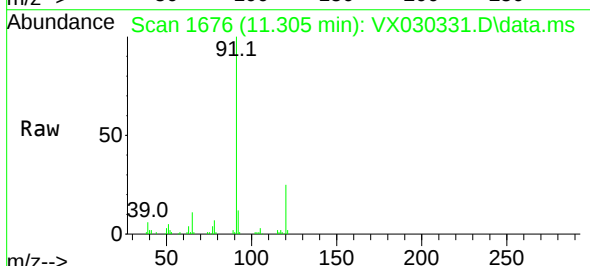
Acq: 01 Aug 2022 18:38

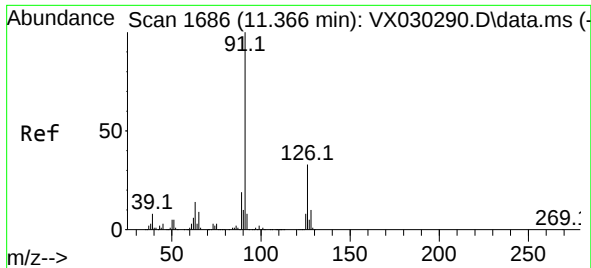
Tgt Ion: 91 Resp: 40992

Ion Ratio Lower Upper

91 100

120 22.5 11.6 34.8

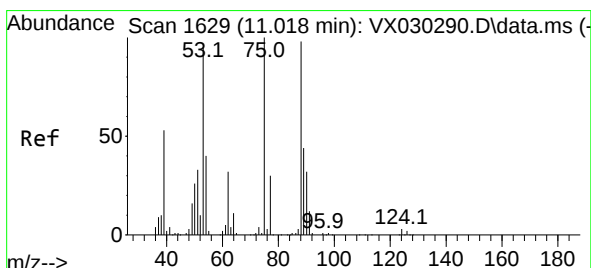
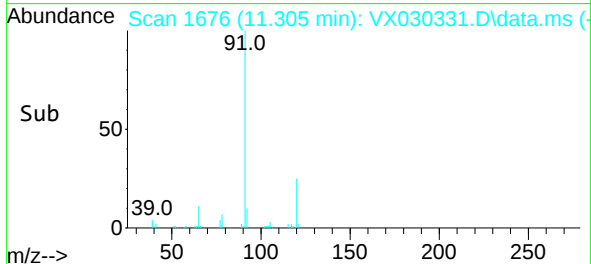
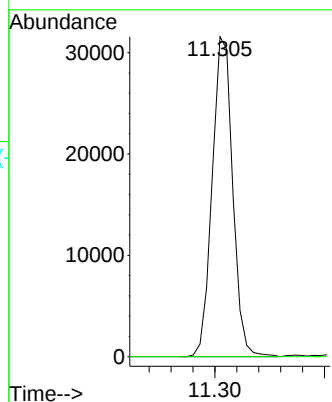
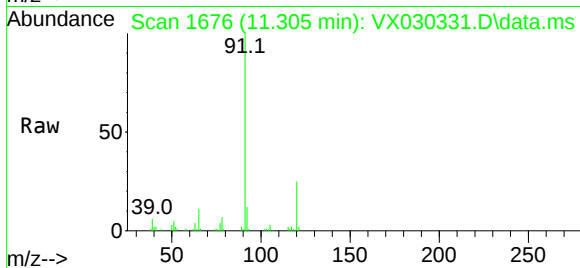




#79
2-Chlorotoluene
Concen: 5.114 ug/l
RT: 11.305 min Scan# 1686
Delta R.T. -0.060 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

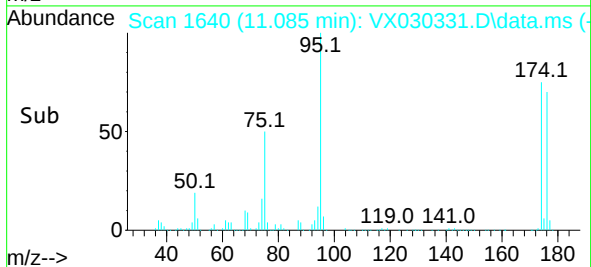
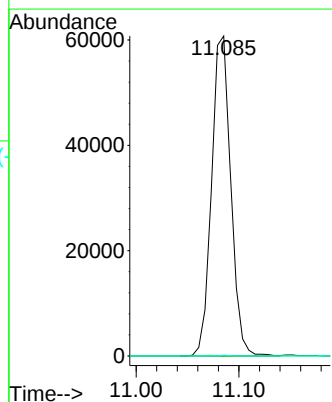
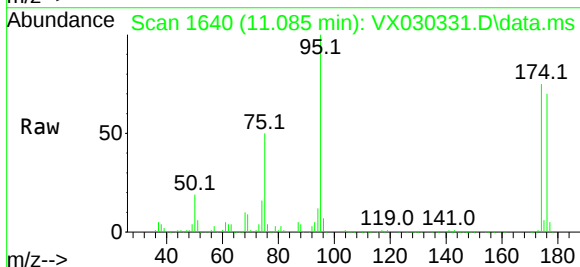
Instrument :
MSVOA_X
ClientSampleId :
2-INCH

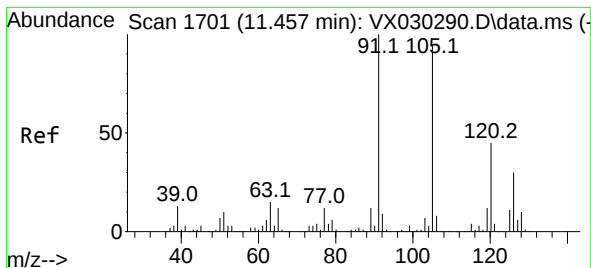
Tgt Ion: 91 Resp: 40992
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.025 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Tgt Ion: 75 Resp: 79025
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.1 34.8 52.2#





#82

4-Chlorotoluene

Concen: 4.681 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.152 min

Lab File: VX030331.D

Acq: 01 Aug 2022 18:38

Instrument :

MSVOA_X

ClientSampleId :

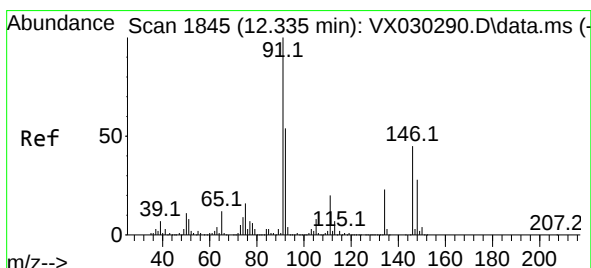
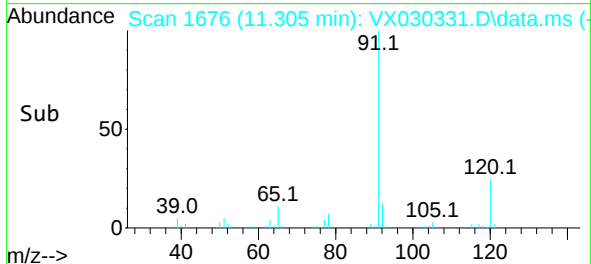
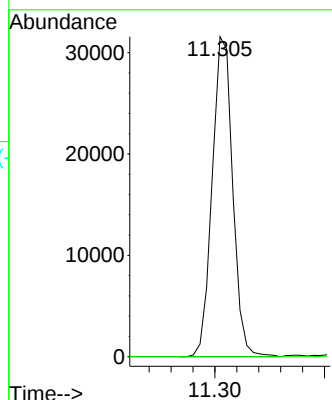
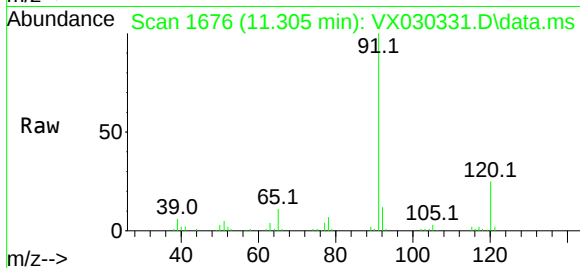
2-INCH

Tgt Ion: 91 Resp: 40992

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.9#



#89

n-Butylbenzene

Concen: 0.258 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX030331.D

Acq: 01 Aug 2022 18:38

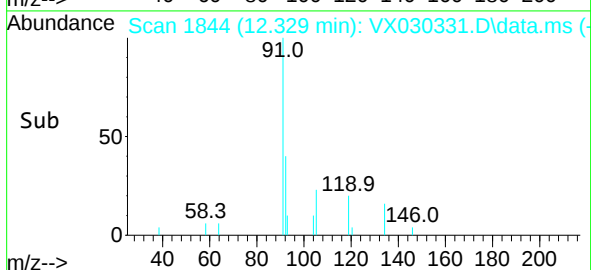
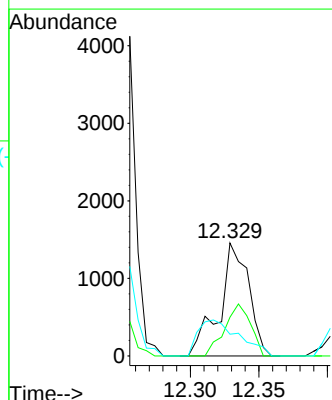
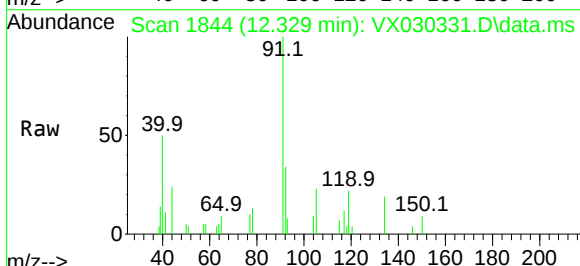
Tgt Ion: 91 Resp: 2171

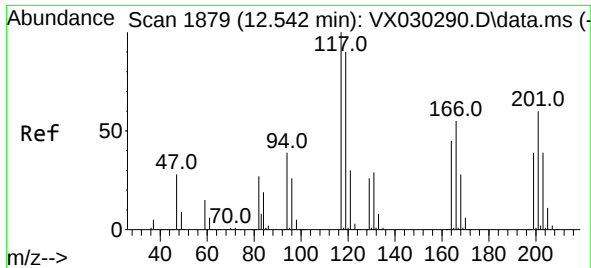
Ion Ratio Lower Upper

91 100

92 40.4 26.2 78.5

134 44.4 12.6 37.8#

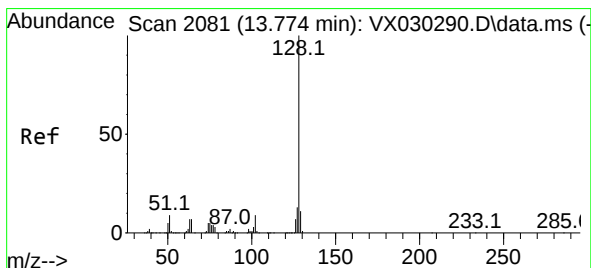
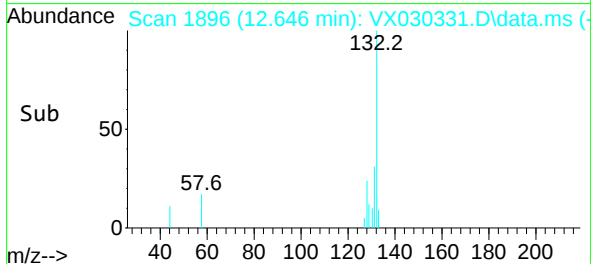
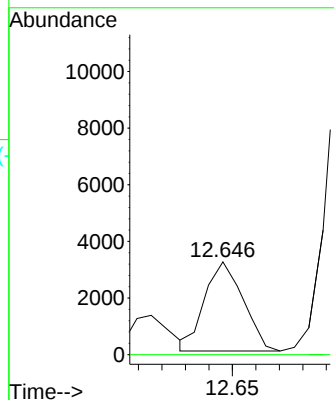
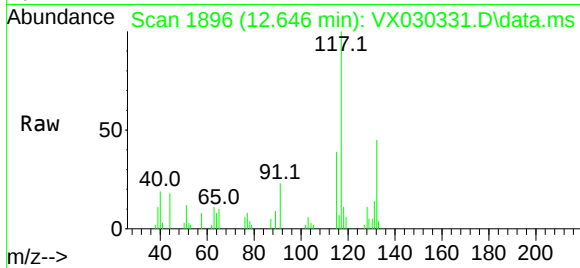




#90
Hexachloroethane
Concen: 2.298 ug/l
RT: 12.646 min Scan# 1879
Delta R.T. 0.104 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Instrument :
MSVOA_X
ClientSampleId :
2-INCH

Tgt Ion:117 Resp: 3576
Ion Ratio Lower Upper
117 100
201 0.0 34.2 102.5#



#95
Naphthalene
Concen: 0.531 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030331.D
Acq: 01 Aug 2022 18:38

Tgt Ion:128 Resp: 5732
Ion Ratio Lower Upper
128 100
127 11.4 10.2 15.2
129 13.4 8.6 13.0#

