

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013629.D
 Acq On : 05 May 2023 16:41
 Operator : KP/MD
 Sample : 02588-01
 Misc : 4.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-B-0-3-05012023

Quant Time: May 08 00:25:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	93	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	0.000	114	0	0.000	ug/l	-8.69
63) Chlorobenzene-d5	11.490	117	271	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.258	152	289	50.000	ug/l	-0.16
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50	49.044	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.080%
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	10.185	98	112	0.000	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	12.508	95	539	0.000	ug/l	0.03
Spiked Amount	50.000	Range	30 - 143	Recovery	=	0.000%#
Target Compounds						
						Qvalue
3) Chloromethane	2.125	50	86	72.566	ug/l	# 42
6) Chloroethane	2.784	64	309	379.051	ug/l	# 44
12) 1,1-Dichloroethene	4.058	96	18	18.623	ug/l	# 1
13) Acrolein	3.564	56	21	235.228	ug/l	# 16
14) Allyl chloride	4.515	41	23	12.825	ug/l	# 22
15) Acrylonitrile	4.985	53	48	140.797	ug/l	# 18
16) Acetone	4.058	43	18	44.834	ug/l	# 43
18) Methyl Acetate	4.564	43	20	15.083	ug/l	# 51
19) Methyl tert-butyl Ether	5.174	73	24	8.601	ug/l	# 53
20) Methylene Chloride	4.704	84	19	8.371	ug/l	# 10
22) Diisopropyl ether	6.240	45	20	5.706	ug/l	# 33
23) Vinyl Acetate	6.039	43	46	23.177	ug/l	# 72
27) cis-1,2-Dichloroethene	6.954	96	40	34.258	ug/l	# 1
28) Bromochloromethane	7.606	49	18	25.964	ug/l	# 7
29) Tetrahydrofuran	7.496	42	30	94.653	ug/l	# 32
30) Chloroform	7.728	83	20	10.296	ug/l	# 18
31) Cyclohexane	7.947	56	20	10.957	ug/l	# 14
64) Tetrachloroethene	10.697	164	114	55.321	ug/l	# 29
65) Chlorobenzene	11.502	112	42	7.115	ug/l	# 44
66) 1,1,1,2-Tetrachloroethane	11.611	131	57	25.817	ug/l	# 1
67) Ethyl Benzene	11.581	91	198	19.100	ug/l	# 43
68) m/p-Xylenes	11.697	106	148	37.556	ug/l	# 12
69) o-Xylene	12.044	106	345	92.567	ug/l	# 59
70) Styrene	12.050	104	210	33.699	ug/l	# 75
71) Bromoform	12.227	173	258	166.830	ug/l	# 1
73) Isopropylbenzene	12.258	105	639	29.233	ug/l	# 97
74) N-amyl acetate	12.136	43	555	71.349	ug/l	# 43
75) 1,1,2,2-Tetrachloroethane	12.508	83	1174	219.730	ug/l	# 71
76) 1,2,3-Trichloropropane	12.660	75	19	4.875	ug/l	# 100
77) Bromobenzene	12.605	156	85	16.048	ug/l	# 1
78) n-propylbenzene	12.520	91	454	16.862	ug/l	# 83
79) 2-Chlorotoluene	12.739	91	505	33.588	ug/l	# 98
80) 1,3,5-Trimethylbenzene	12.825	105	179	10.033	ug/l	# 84
81) trans-1,4-Dichloro-2-b...	12.380	75	47	24.667	ug/l	# 1
82) 4-Chlorotoluene	12.855	91	552	35.224	ug/l	# 88
83) tert-Butylbenzene	13.075	119	262	16.950	ug/l	# 1

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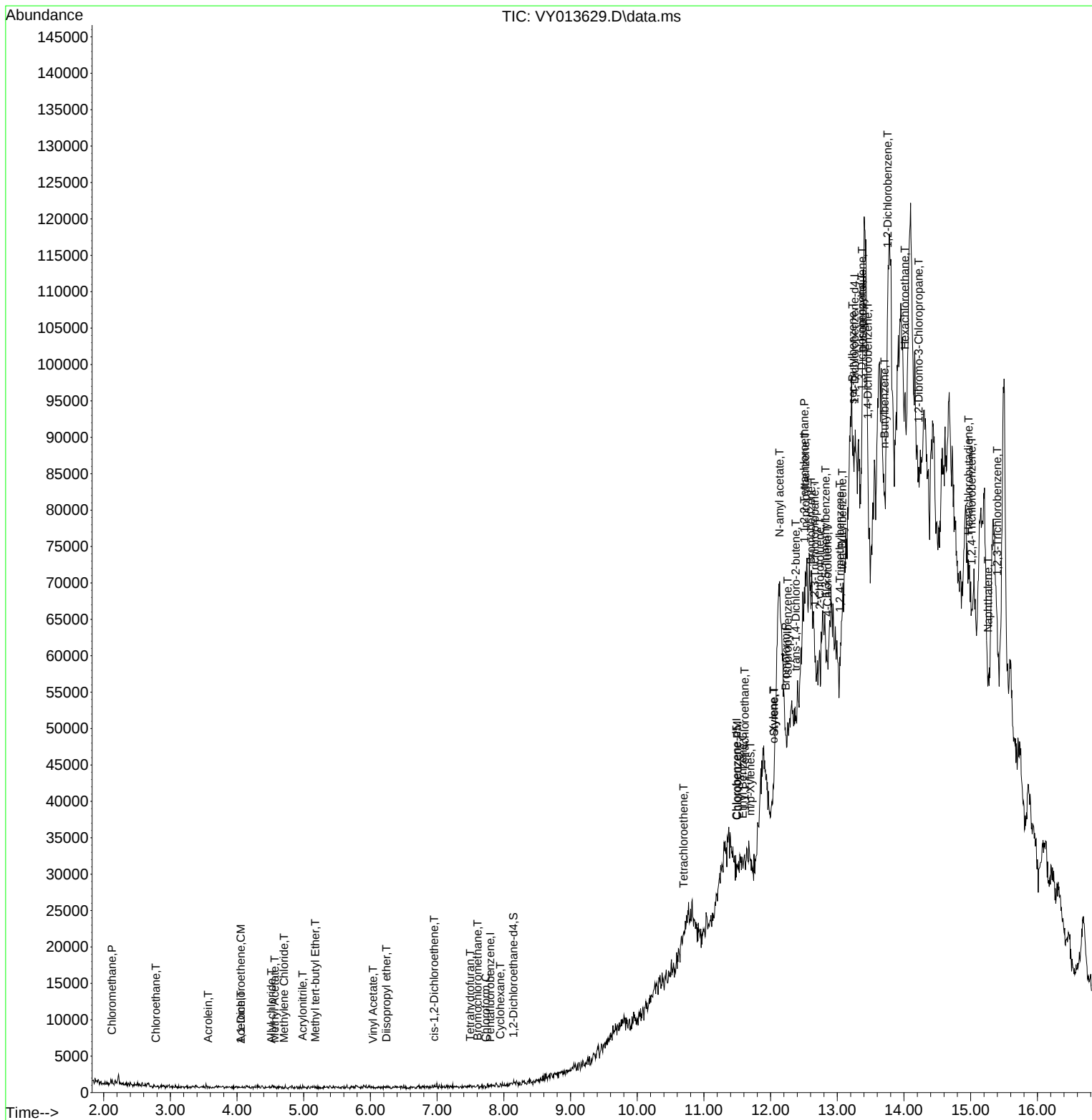
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

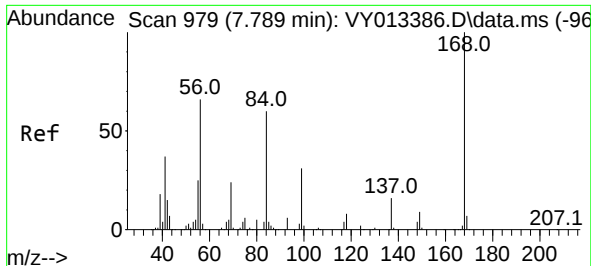
84) 1,2,4-Trimethylbenzene	13.038	105	891	51.367	ug/l	83
85) sec-Butylbenzene	13.227	105	690	29.744	ug/l	83
86) p-Isopropyltoluene	13.373	119	450	24.122	ug/l #	1
87) 1,3-Dichlorobenzene	13.367	146	436	43.208	ug/l #	45
88) 1,4-Dichlorobenzene	13.459	146	60	5.886	ug/l #	1
89) n-Butylbenzene	13.709	91	220	12.083	ug/l #	34
90) Hexachloroethane	14.013	117	295	75.135	ug/l	73
91) 1,2-Dichlorobenzene	13.757	146	381	41.812	ug/l #	44
92) 1,2-Dibromo-3-Chloropr...	14.221	75	164	173.799	ug/l	72
93) 1,2,4-Trichlorobenzene	15.013	180	50	9.203	ug/l #	1
94) Hexachlorobutadiene	14.971	225	33	10.437	ug/l #	19
95) Naphthalene	15.263	128	210	17.815	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.397	180	23	4.750	ug/l #	13

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

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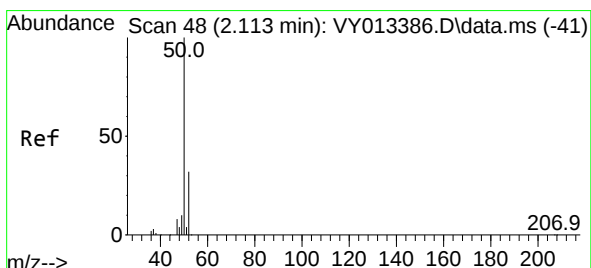
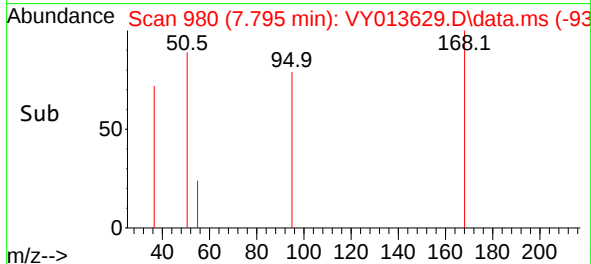
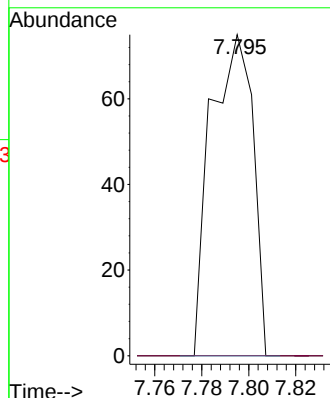
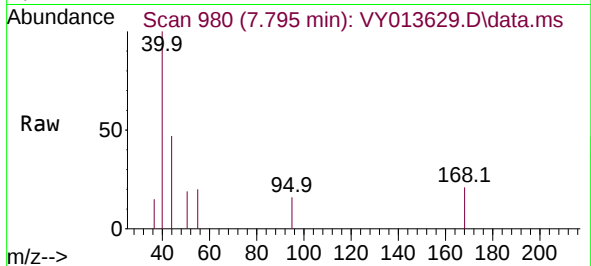




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
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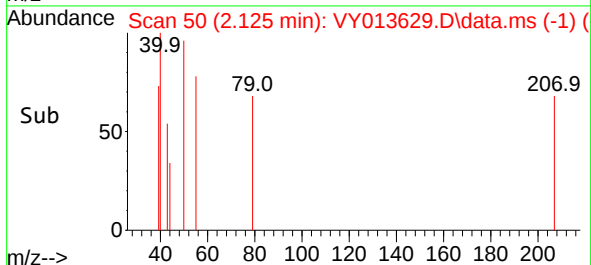
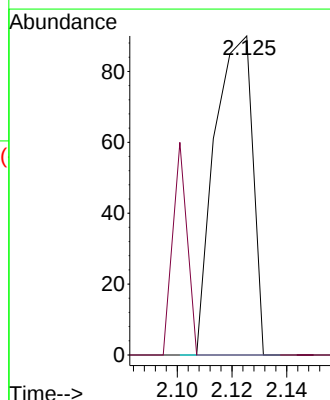
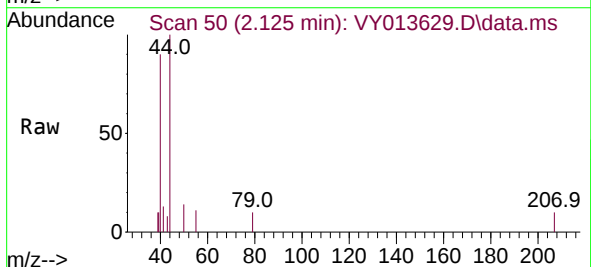
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MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

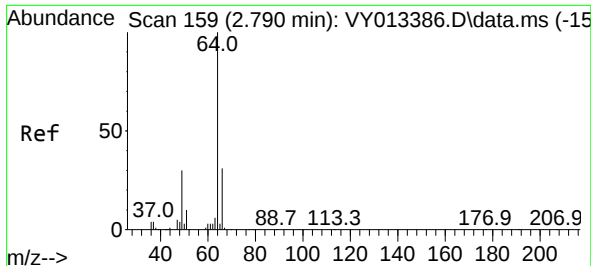
Tgt Ion:168 Resp: 93
Ion Ratio Lower Upper
168 100
99 0.0 41.8 62.6#



#3
Chloromethane
Concen: 72.566 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion: 50 Resp: 86
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

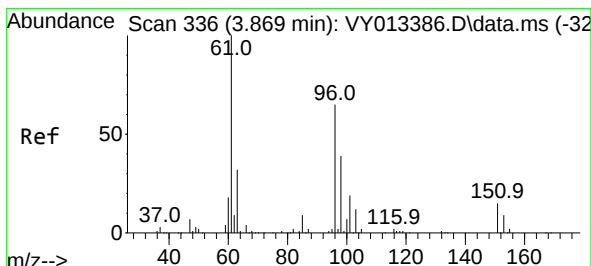
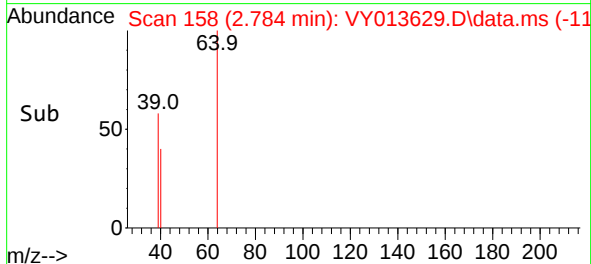
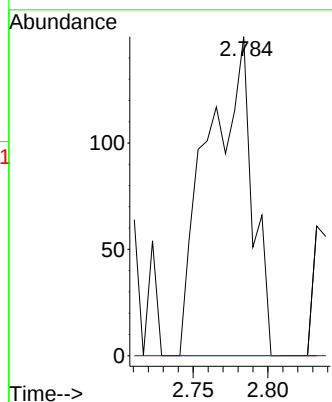
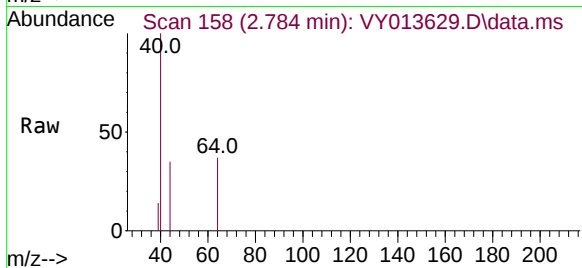




#6
Chloroethane
Concen: 379.051 ug/l
RT: 2.784 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

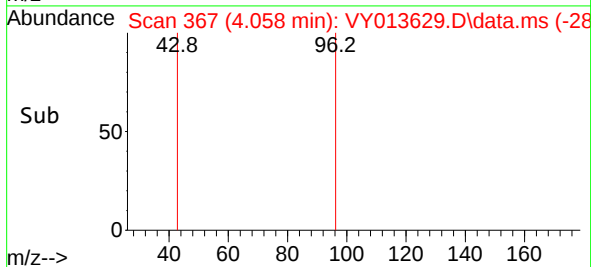
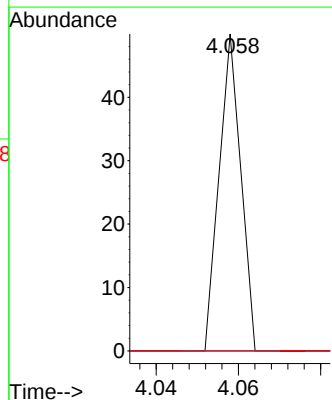
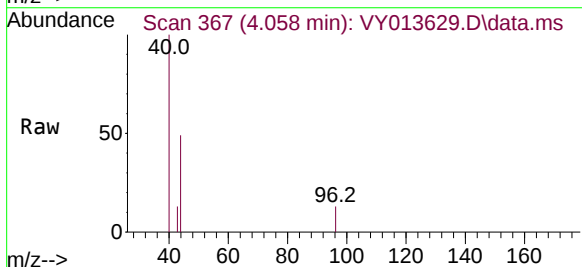
Instrument :
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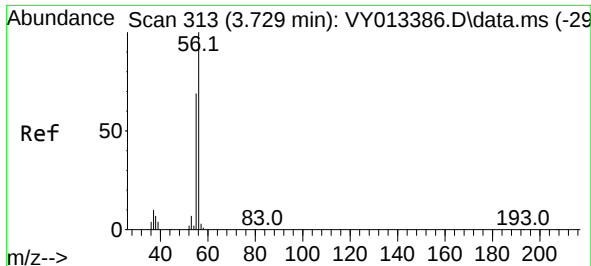
Tgt Ion: 64 Resp: 309
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#



#12
1,1-Dichloroethene
Concen: 18.623 ug/l
RT: 4.058 min Scan# 367
Delta R.T. 0.189 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion: 96 Resp: 18
Ion Ratio Lower Upper
96 100
61 0.0 123.9 185.9#
98 0.0 48.9 73.3#

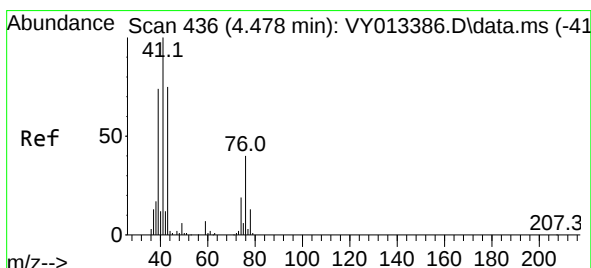
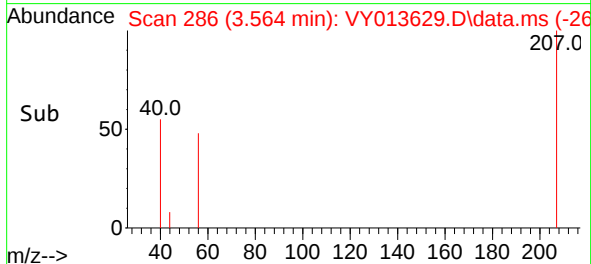
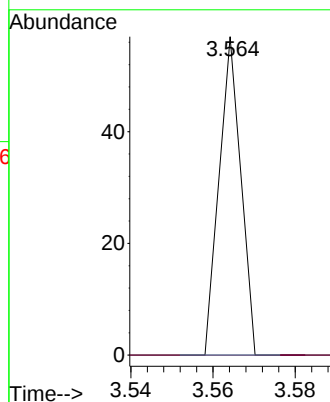
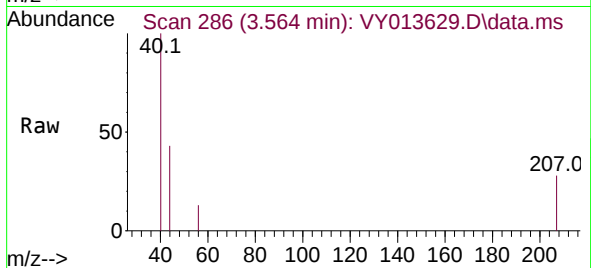




#13
Acrolein
Concen: 235.228 ug/l
RT: 3.564 min Scan# 21
Delta R.T. -0.165 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

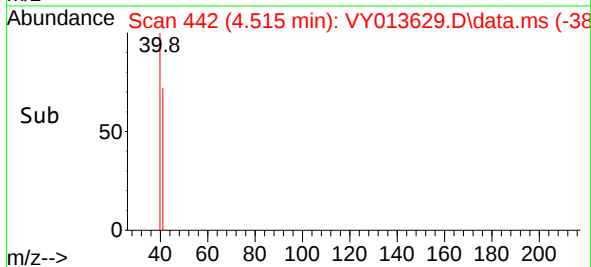
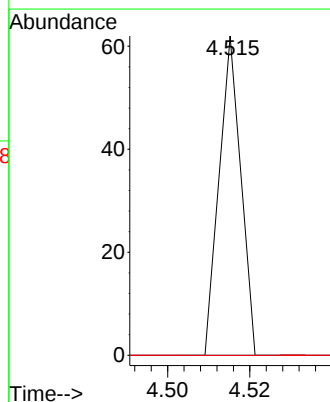
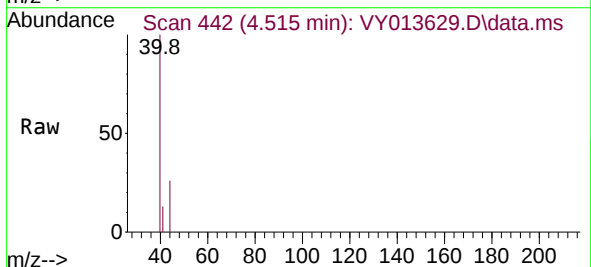
Instrument :
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ClientSampleId :
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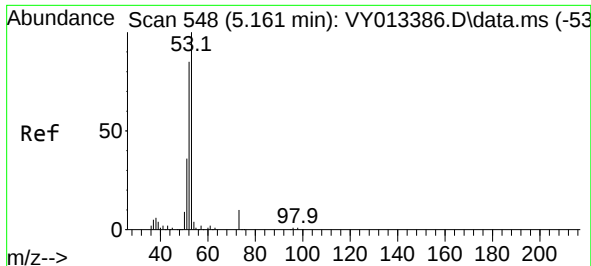
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#14
Allyl chloride
Concen: 12.825 ug/l
RT: 4.515 min Scan# 442
Delta R.T. 0.037 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion: 41 Resp: 23
Ion Ratio Lower Upper
41 100
39 0.0 56.6 85.0#
76 0.0 30.5 45.7#

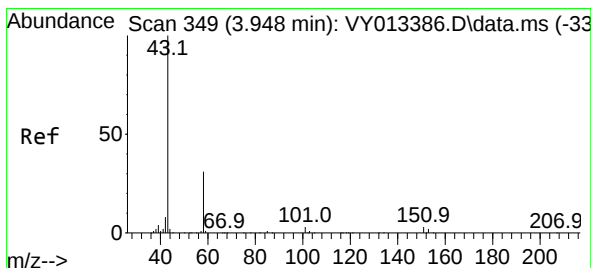
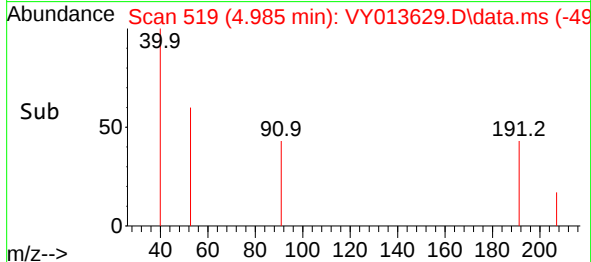
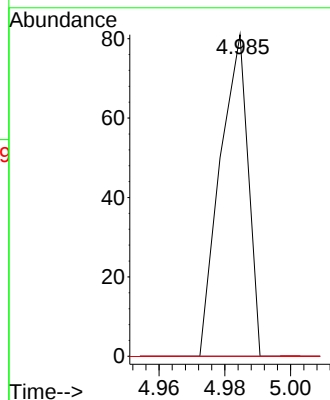
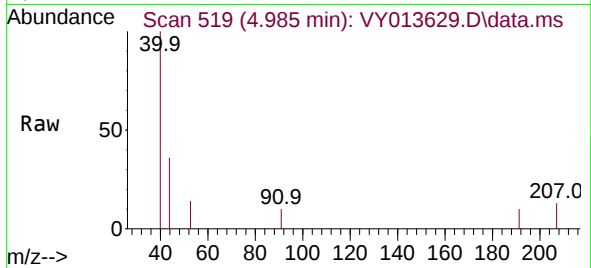




#15
Acrylonitrile
Concen: 140.797 ug/l
RT: 4.985 min Scan# 51
Delta R.T. -0.176 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

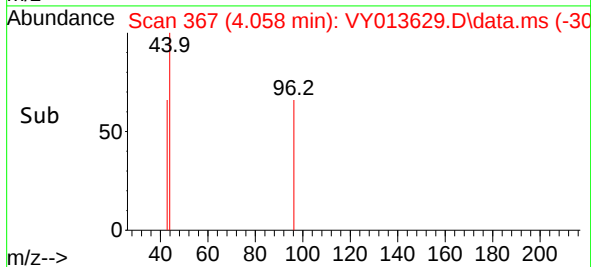
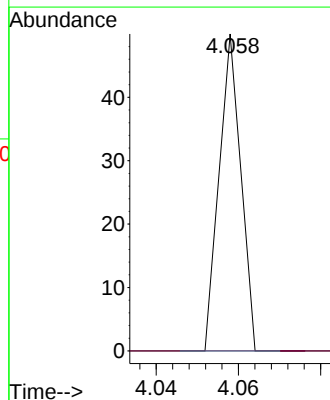
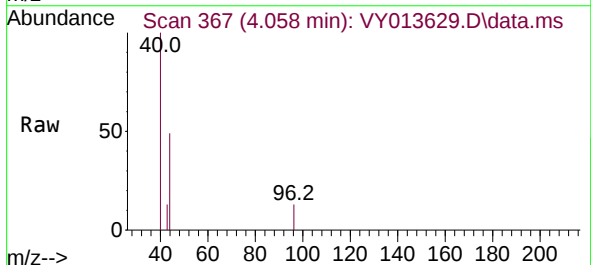
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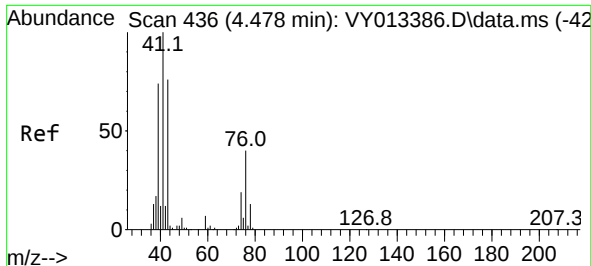
Tgt Ion: 53 Resp: 48
Ion Ratio Lower Upper
53 100
52 0.0 65.4 98.0#
51 0.0 29.3 43.9#



#16
Acetone
Concen: 44.834 ug/l
RT: 4.058 min Scan# 367
Delta R.T. 0.110 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion: 43 Resp: 18
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#

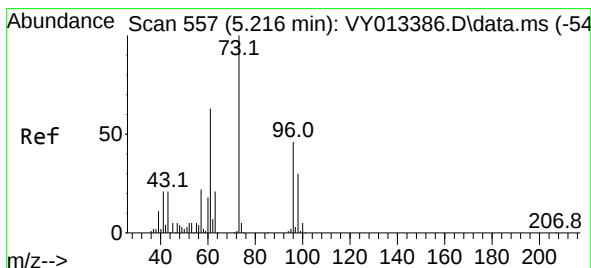
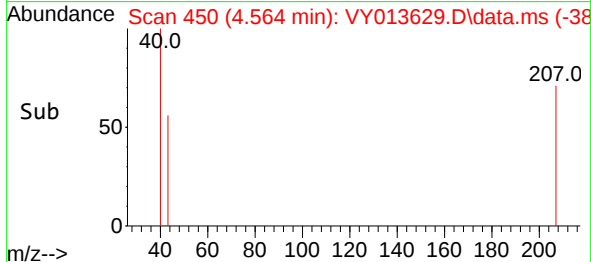
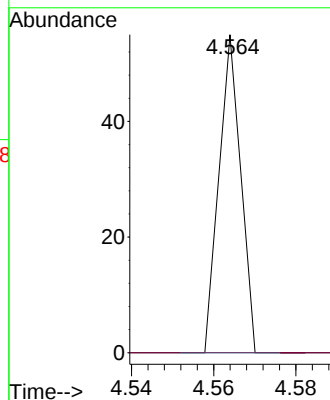
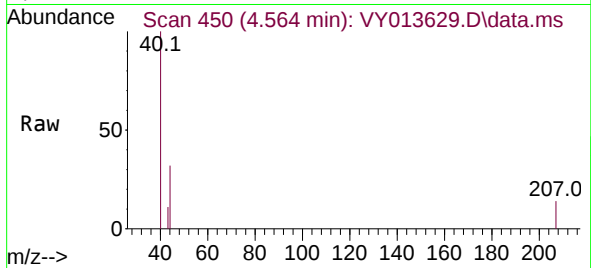




#18
Methyl Acetate
Concen: 15.083 ug/l
RT: 4.564 min Scan# 41
Delta R.T. 0.086 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

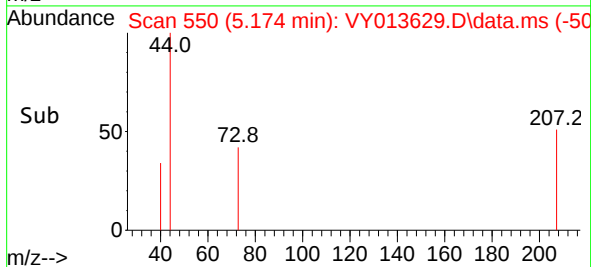
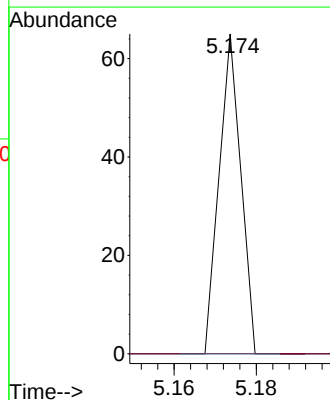
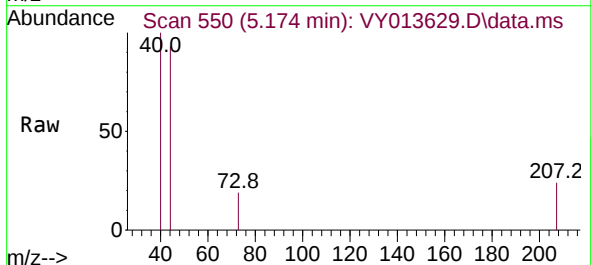
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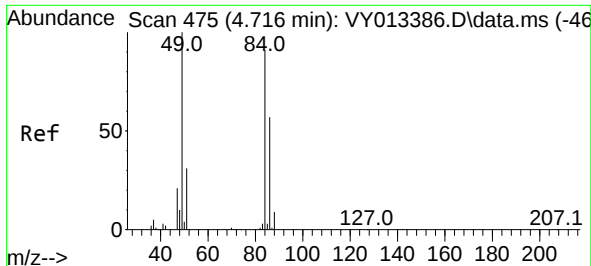
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 8.601 ug/l
RT: 5.174 min Scan# 550
Delta R.T. -0.042 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

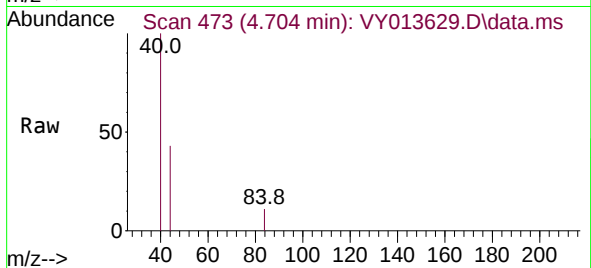
Tgt Ion: 73 Resp: 24
Ion Ratio Lower Upper
73 100
57 0.0 17.8 26.8#



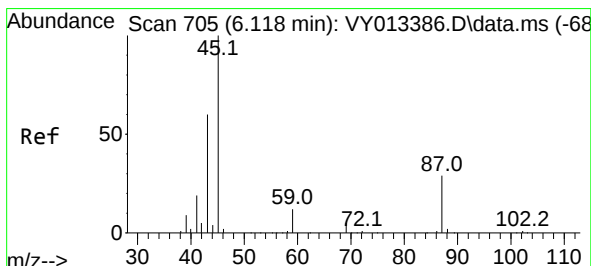
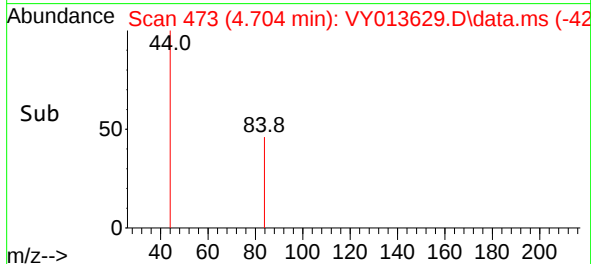
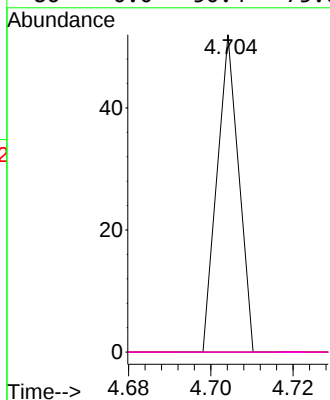


#20
Methylene Chloride
Concen: 8.371 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Instrument :
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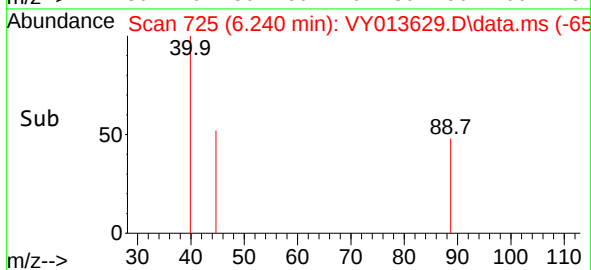
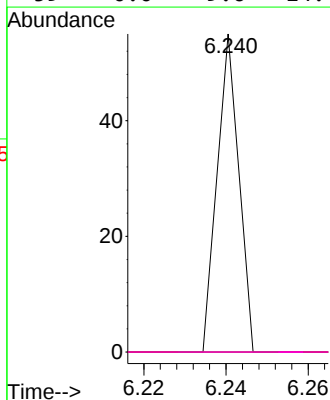
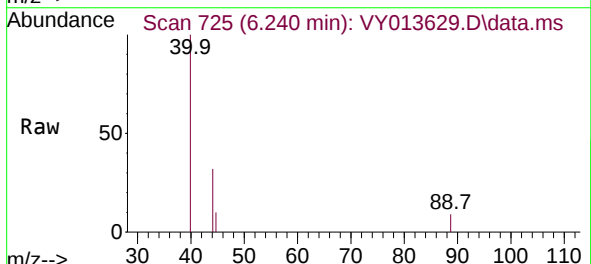


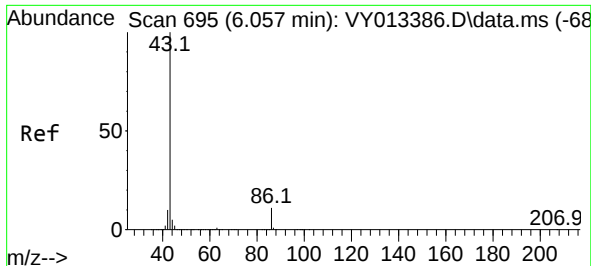
Tgt Ion:	84	Resp:	19
Ion	Ratio	Lower	Upper
84	100		
49	0.0	88.0	132.0#
51	0.0	27.4	41.0#
86	0.0	50.4	75.6#



#22
Diisopropyl ether
Concen: 5.706 ug/l
RT: 6.240 min Scan# 725
Delta R.T. 0.122 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion:	45	Resp:	20
Ion	Ratio	Lower	Upper
45	100		
43	0.0	48.4	72.6#
87	0.0	23.8	35.6#
59	0.0	9.6	14.4#

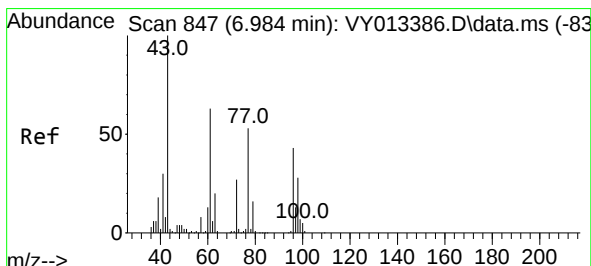
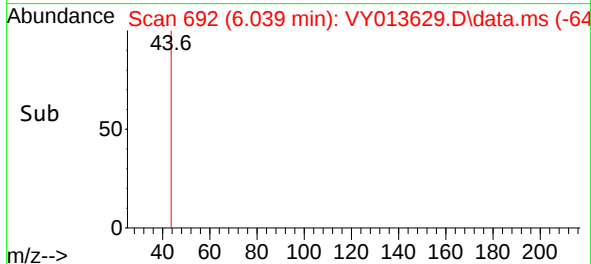
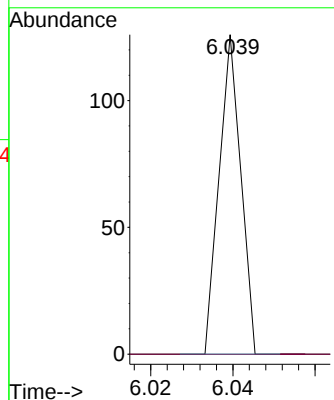
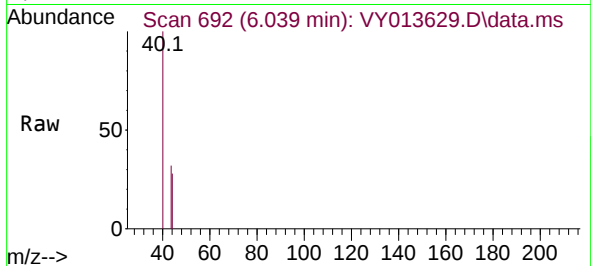




#23
 Vinyl Acetate
 Concen: 23.177 ug/l
 RT: 6.039 min Scan# 64
 Delta R.T. -0.018 min
 Lab File: VY013629.D
 Acq: 05 May 2023 16:41

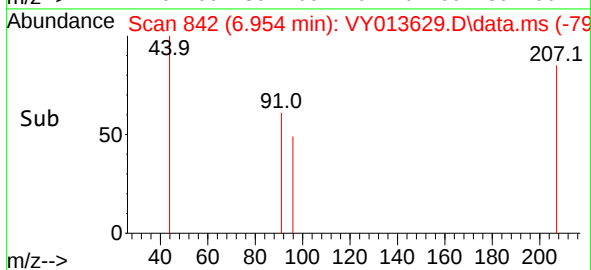
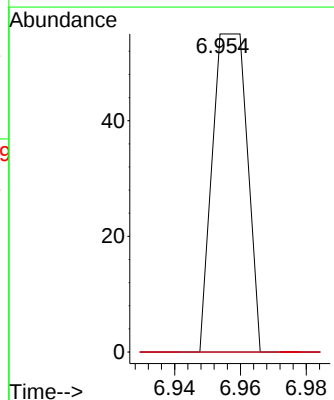
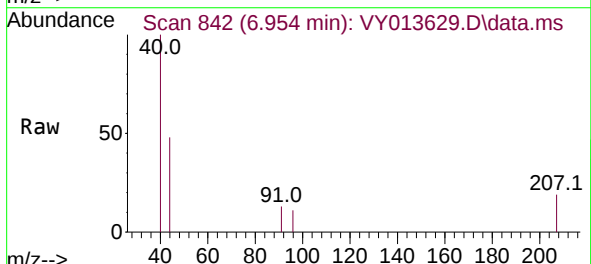
Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-B-0-3-05012023

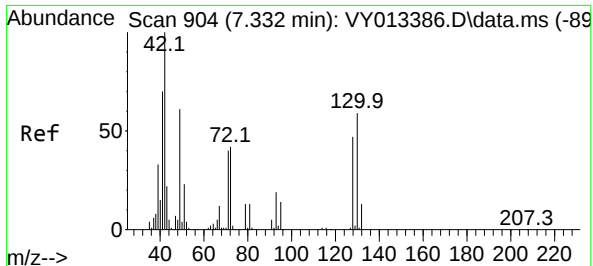
Tgt Ion: 43 Resp: 46
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#27
 cis-1,2-Dichloroethene
 Concen: 34.258 ug/l
 RT: 6.954 min Scan# 842
 Delta R.T. -0.030 min
 Lab File: VY013629.D
 Acq: 05 May 2023 16:41

Tgt Ion: 96 Resp: 40
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 285.0
 98 0.0 0.0 130.6

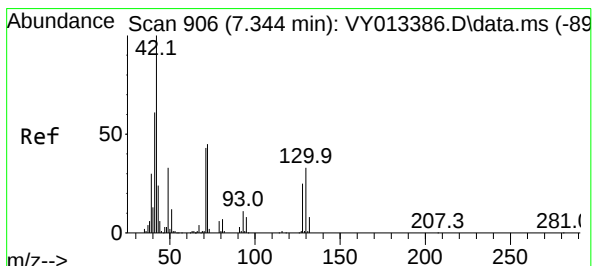
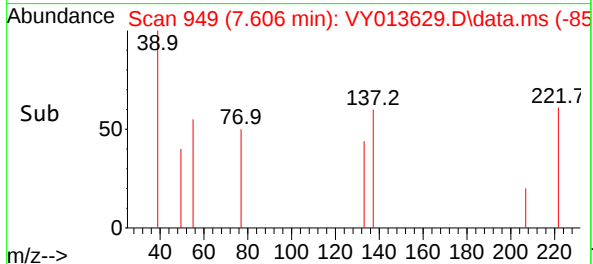
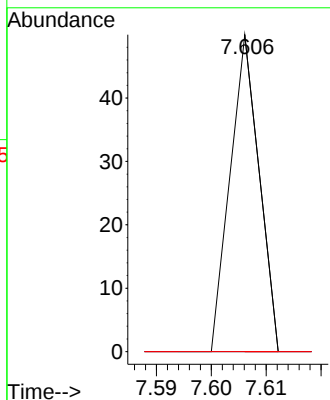
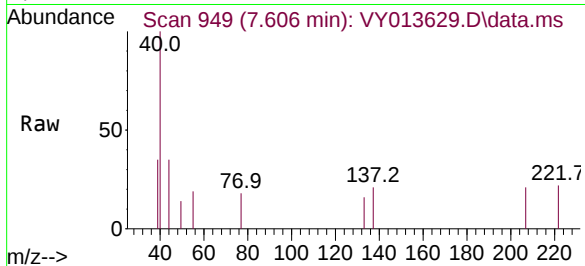




#28
Bromochloromethane
Concen: 25.964 ug/l
RT: 7.606 min Scan# 949
Delta R.T. 0.274 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

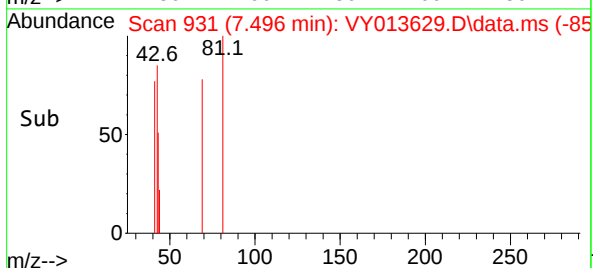
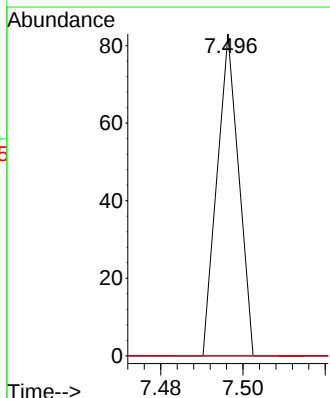
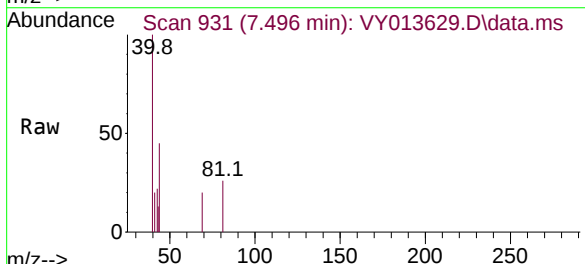
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

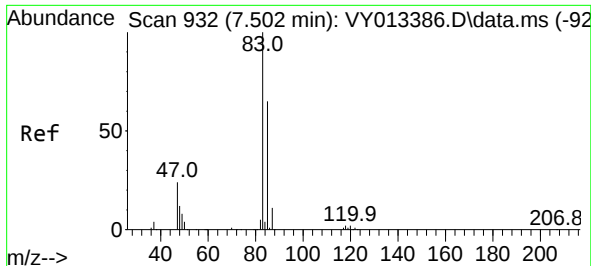
Tgt Ion: 49 Resp: 18
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 72.1 108.1#



#29
Tetrahydrofuran
Concen: 94.653 ug/l
RT: 7.496 min Scan# 931
Delta R.T. 0.152 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion: 42 Resp: 30
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 0.0 34.3 51.5#

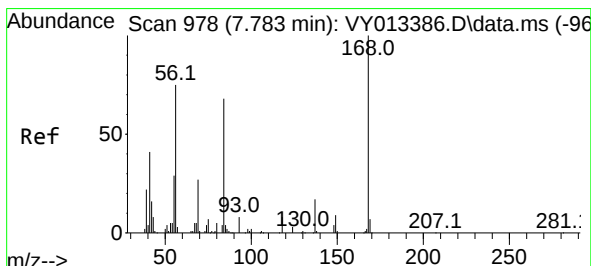
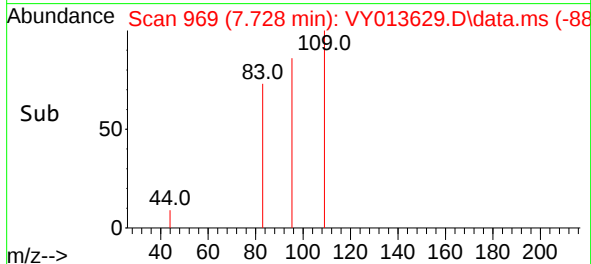
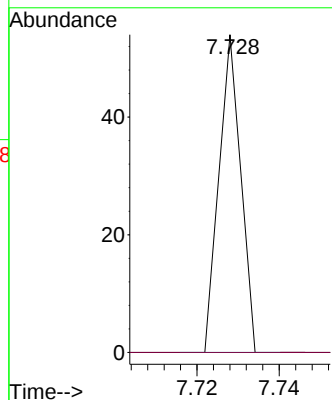
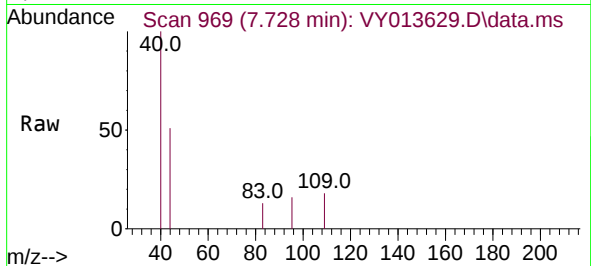




#30
Chloroform
Concen: 10.296 ug/l
RT: 7.728 min Scan# 910
Delta R.T. 0.226 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

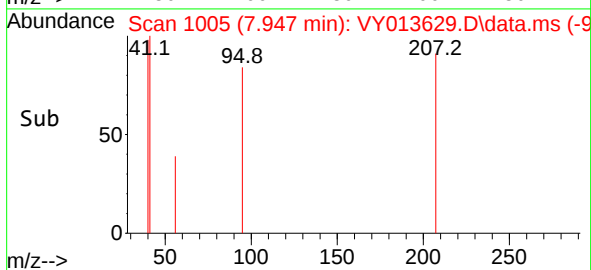
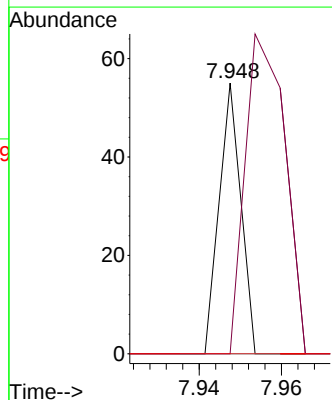
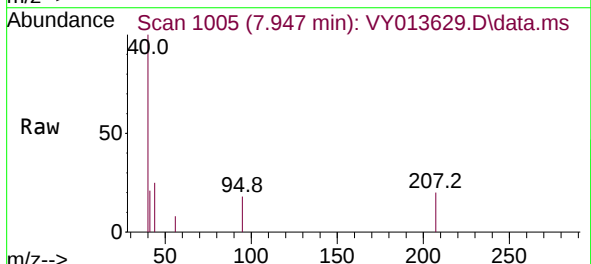
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

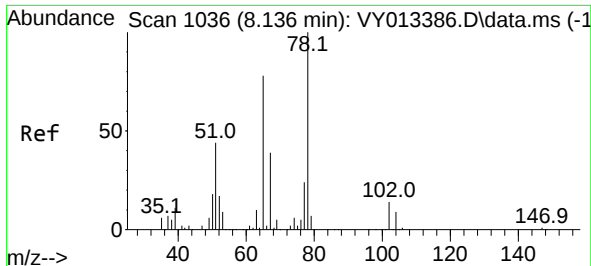
Tgt Ion: 83 Resp: 20
Ion Ratio Lower Upper
83 100
85 0.0 52.0 78.0#



#31
Cyclohexane
Concen: 10.957 ug/l
RT: 7.947 min Scan# 1005
Delta R.T. 0.164 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
69 0.0 29.2 43.8#
84 0.0 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 49.044 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

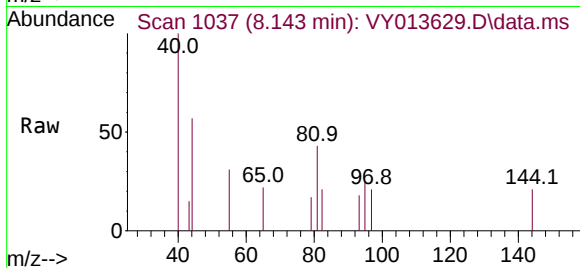
ZONE-B-0-3-05012023

Tgt Ion: 65 Resp: 50

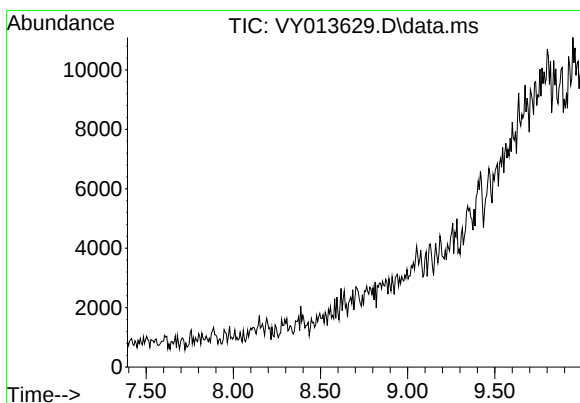
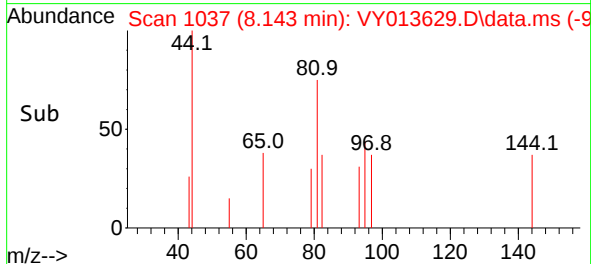
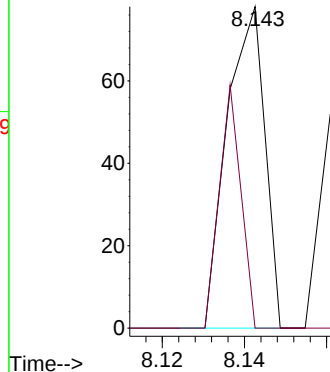
Ion Ratio Lower Upper

65 100

67 44.0 0.0 103.4



Abundance



#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 8.69 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

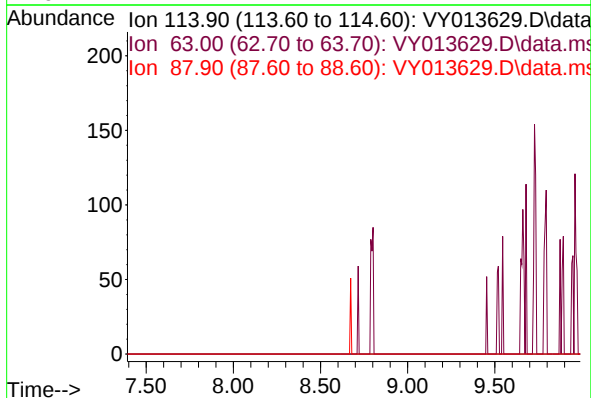
Tgt Ion: 114

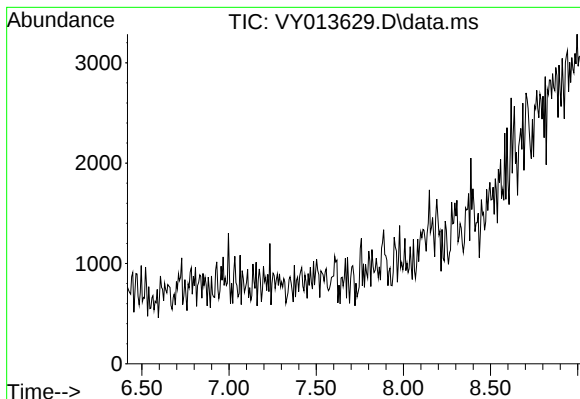
Sig Exp Ratio

114 100

63 18.3

88 14.4

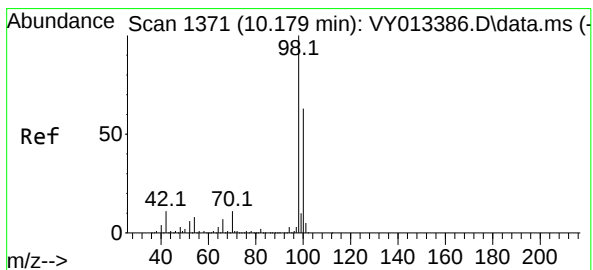
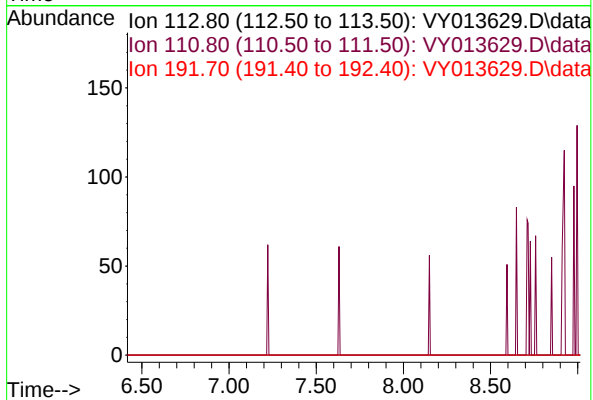




#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.72 min
 Lab File: VY013629.D
 Acq: 05 May 2023 16:41

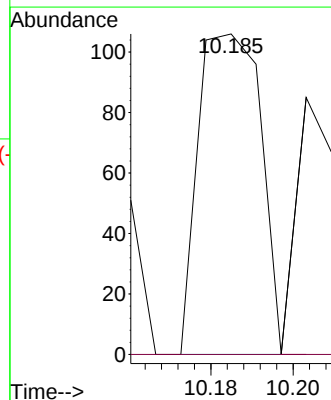
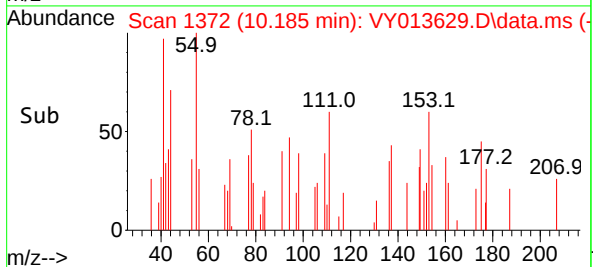
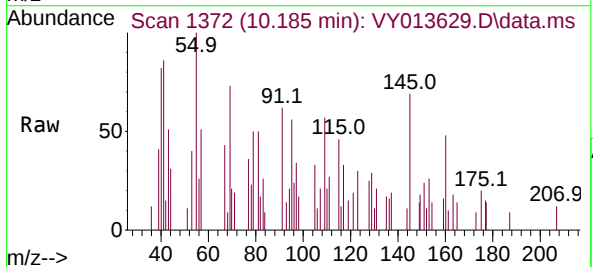
Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-B-0-3-05012023

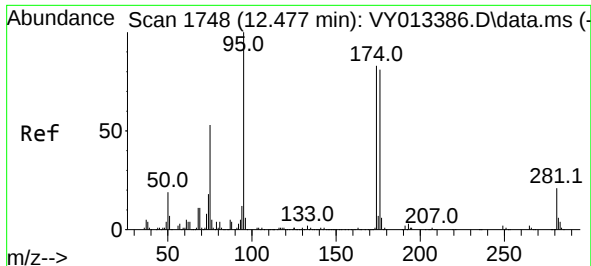
Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 102.7
 192 20.9



#50
 Toluene-d8
 Concen: 0.000 ug/l
 RT: 10.185 min Scan# 1372
 Delta R.T. 0.006 min
 Lab File: VY013629.D
 Acq: 05 May 2023 16:41

Tgt Ion: 98 Resp: 112
 Ion Ratio Lower Upper
 98 100
 100 0.0 50.5 75.7#

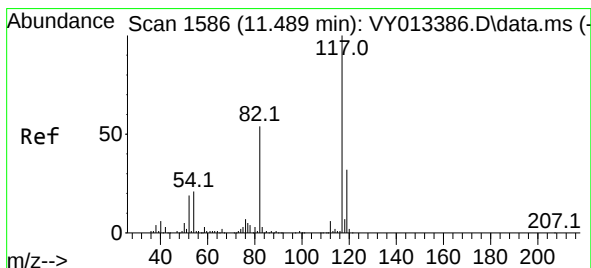
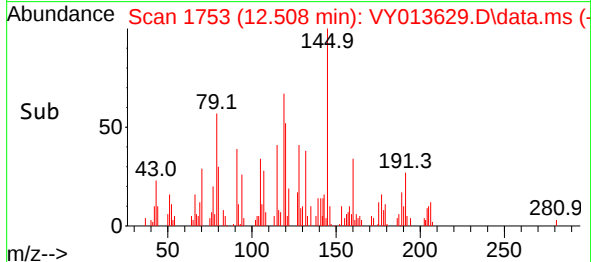
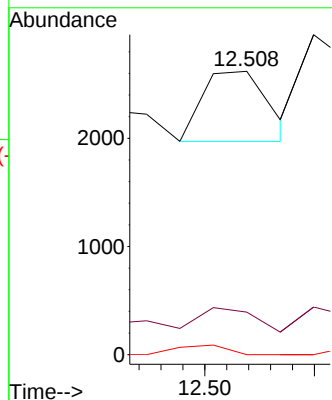
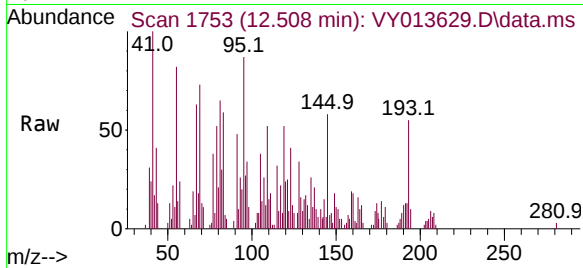




#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. 0.031 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

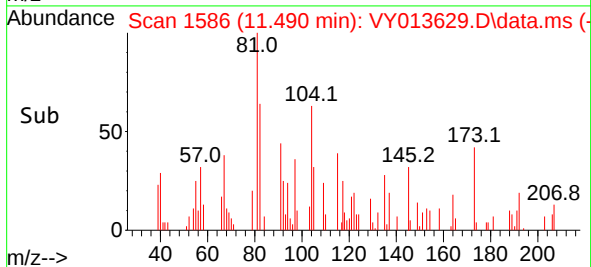
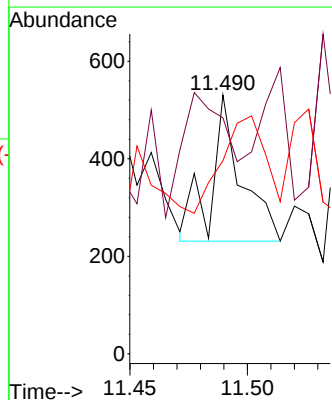
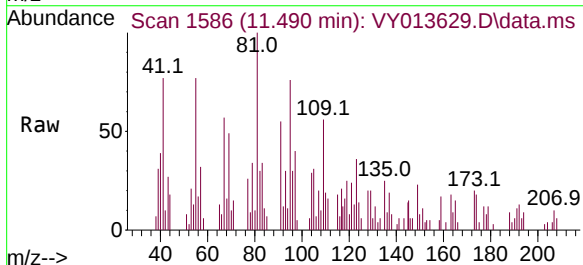
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

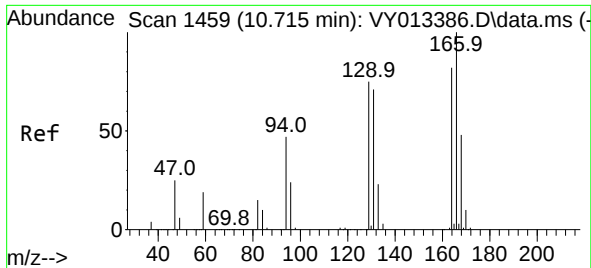
Tgt Ion: 95 Resp: 539
Ion Ratio Lower Upper
95 100
174 28.0 0.0 182.0
176 10.6 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion: 117 Resp: 271
Ion Ratio Lower Upper
117 100
82 22.0 43.0 64.6#
119 31.3 25.5 38.3

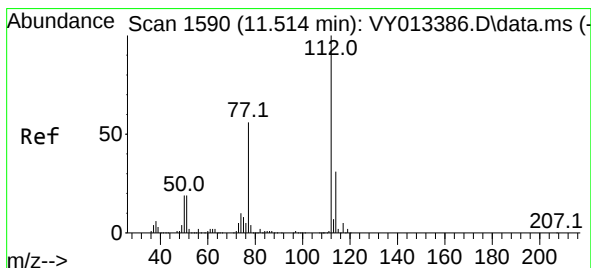
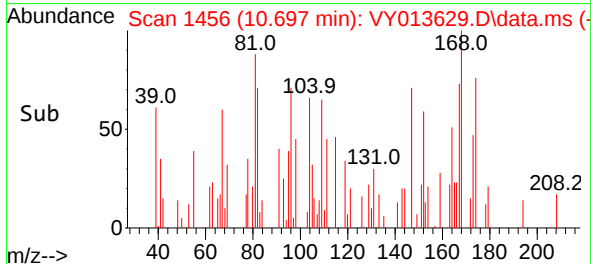
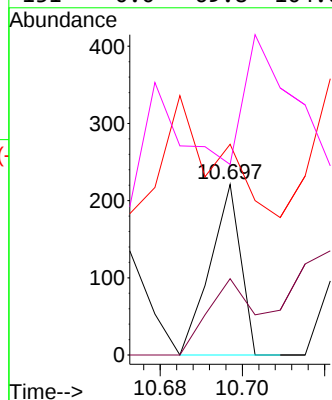
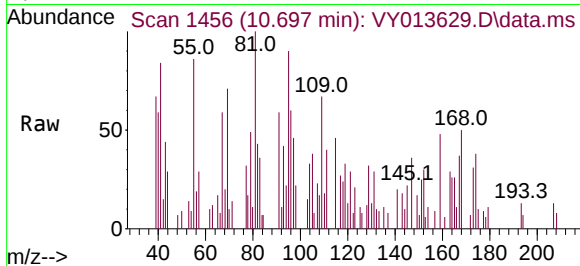




#64
Tetrachloroethene
Concen: 55.321 ug/l
RT: 10.697 min Scan# 1456
Delta R.T. -0.018 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

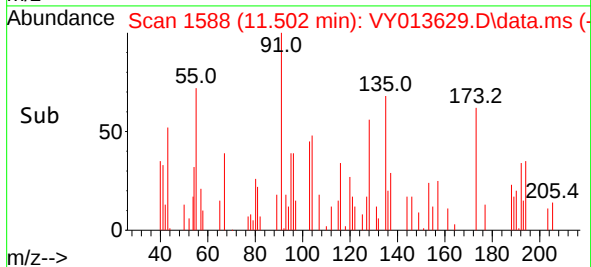
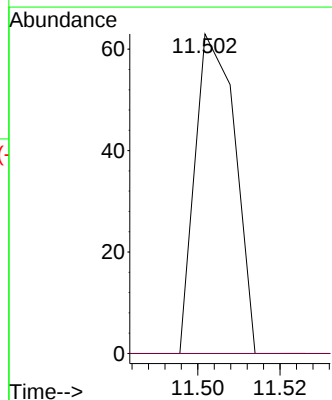
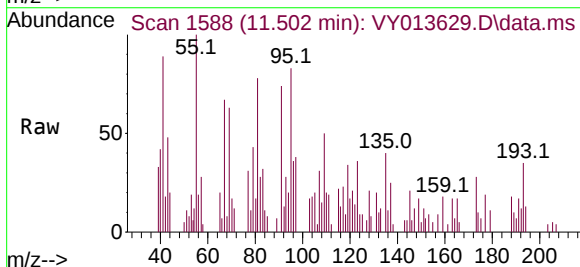
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

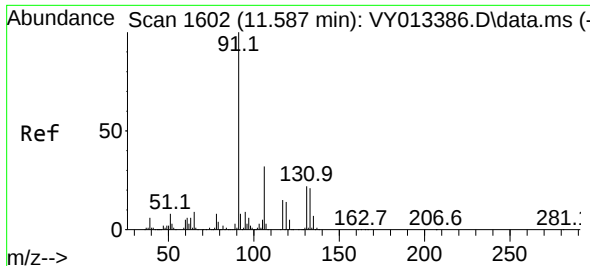
Tgt Ion:164	Resp:	114
Ion Ratio	Lower	Upper
164	100	
166	44.8	97.5 146.3#
129	43.0	72.6 109.0#
131	0.0	69.8 104.6#



#65
Chlorobenzene
Concen: 7.115 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.012 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion:112	Resp:	42
Ion Ratio	Lower	Upper
112	100	
114	0.0	24.9 37.3#

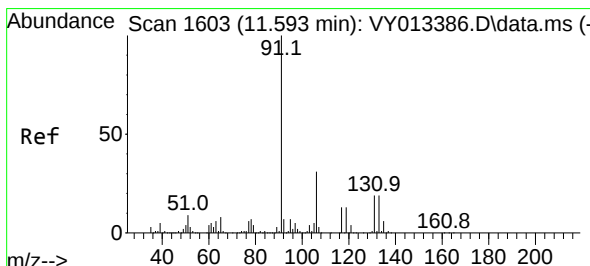
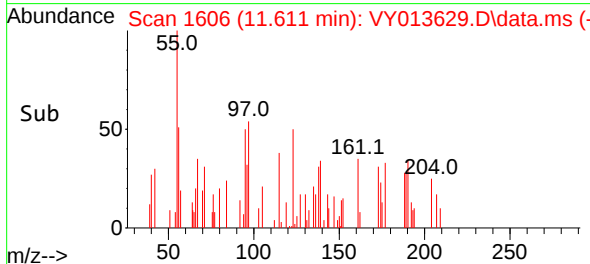
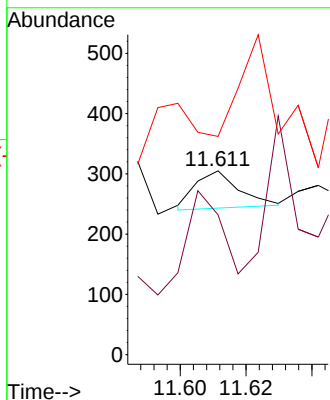
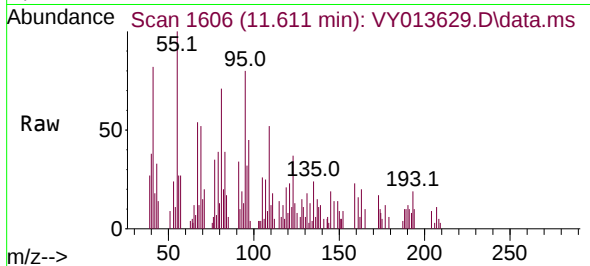




#66
1,1,1,2-Tetrachloroethane
Concen: 25.817 ug/l
RT: 11.611 min Scan# 1606
Delta R.T. 0.024 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

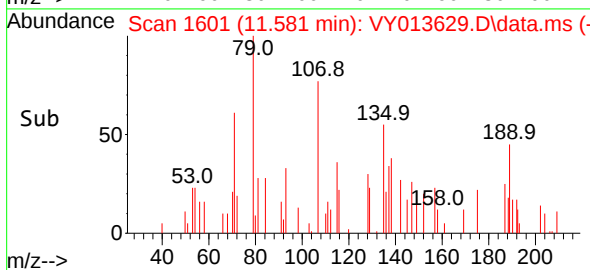
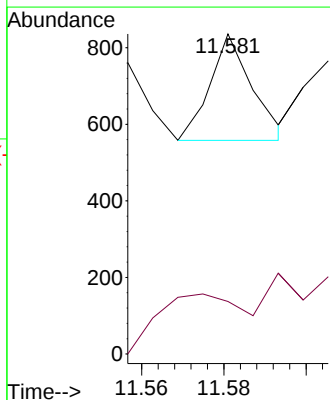
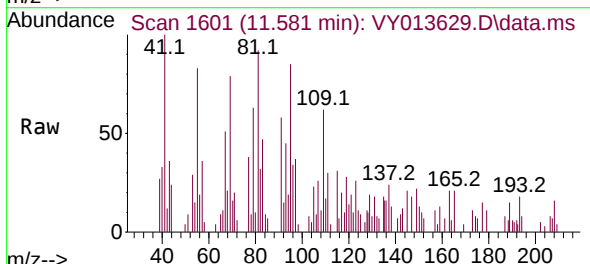
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

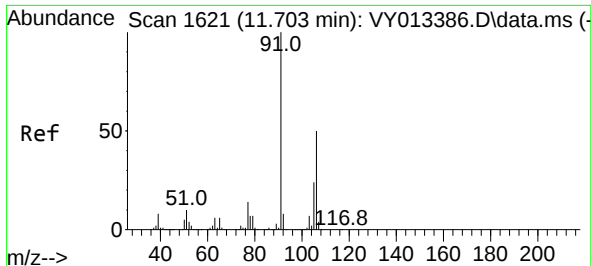
Tgt Ion:131 Resp: 57
Ion Ratio Lower Upper
131 100
133 266.7 47.7 143.1#
119 382.5 32.6 98.0#



#67
Ethyl Benzene
Concen: 19.100 ug/l
RT: 11.581 min Scan# 1601
Delta R.T. -0.012 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion: 91 Resp: 198
Ion Ratio Lower Upper
91 100
106 0.0 25.1 37.7#

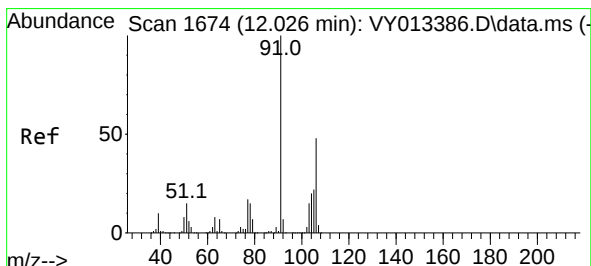
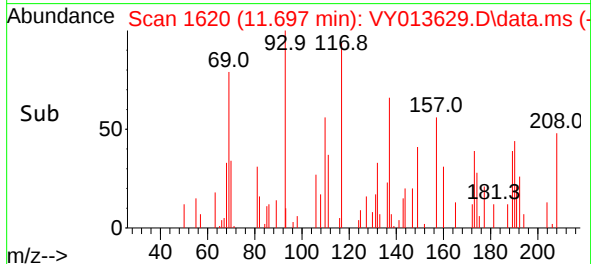
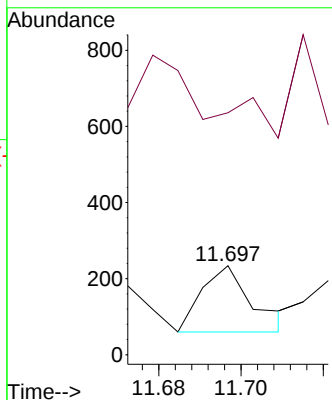
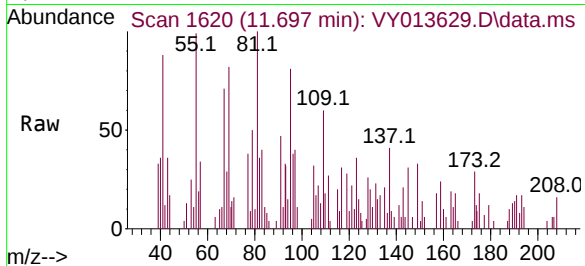




#68
m/p-Xylenes
Concen: 37.556 ug/l
RT: 11.697 min Scan# 1167
Delta R.T. -0.006 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

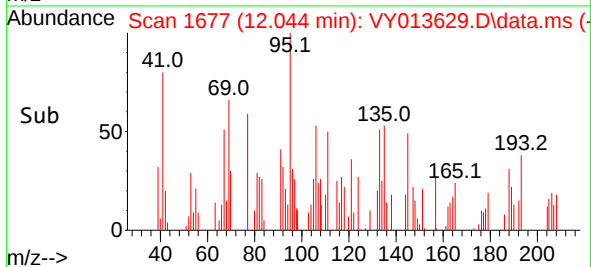
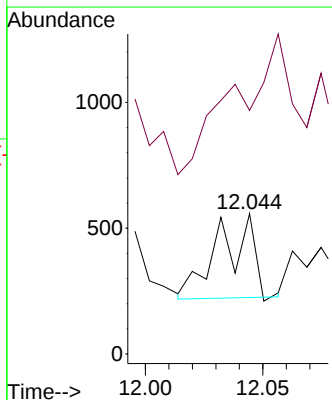
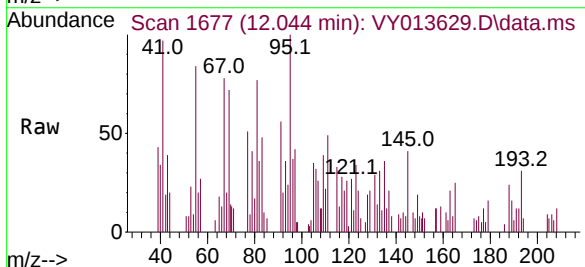
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

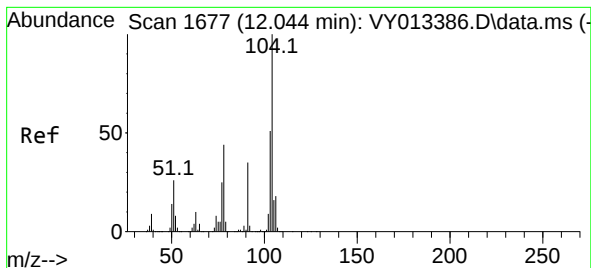
Tgt Ion:106 Resp: 148
Ion Ratio Lower Upper
106 100
91 67.6 160.9 241.3#



#69
o-Xylene
Concen: 92.567 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.018 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion:106 Resp: 345
Ion Ratio Lower Upper
106 100
91 275.7 105.5 316.4





#70

Styrene

Concen: 33.699 ug/l

RT: 12.050 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-B-0-3-05012023

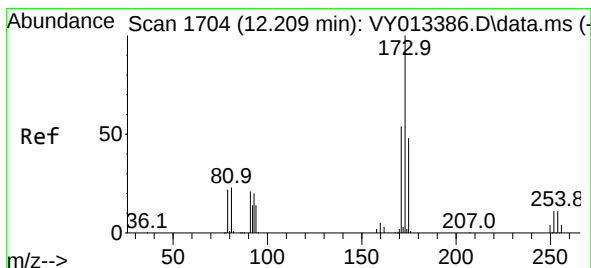
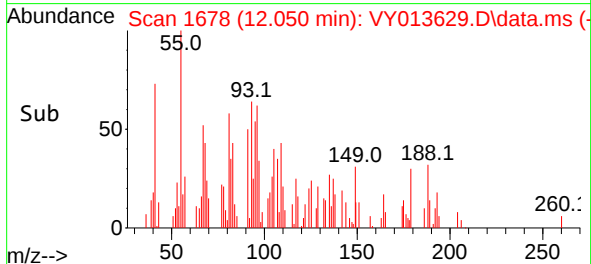
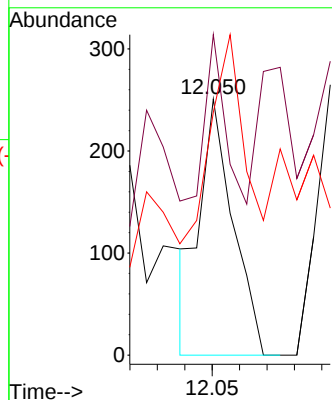
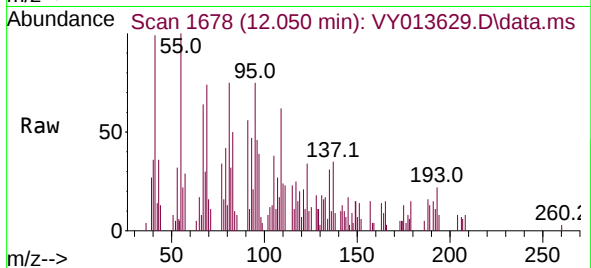
Tgt Ion:104 Resp: 210

Ion Ratio Lower Upper

104 100

78 37.1 40.3 60.5#

103 78.6 45.0 67.4#



#71

Bromoform

Concen: 166.830 ug/l

RT: 12.227 min Scan# 1707

Delta R.T. 0.018 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

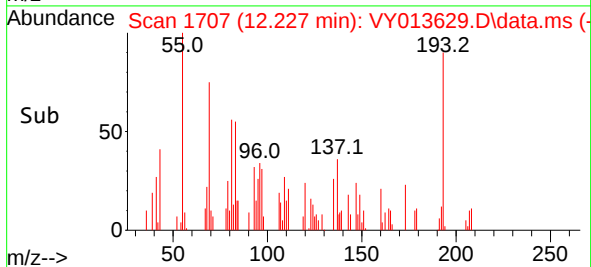
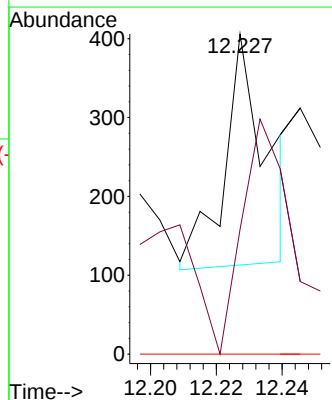
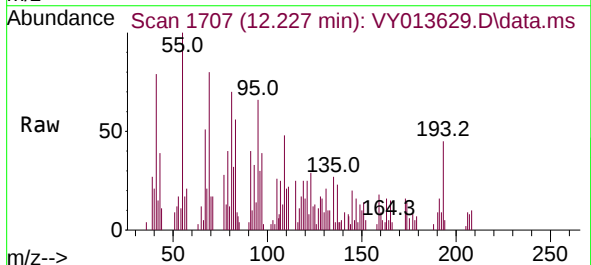
Tgt Ion:173 Resp: 258

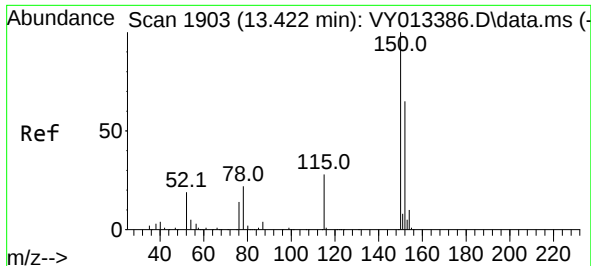
Ion Ratio Lower Upper

173 100

175 122.5 24.3 72.8#

254 0.0 0.2 0.2#

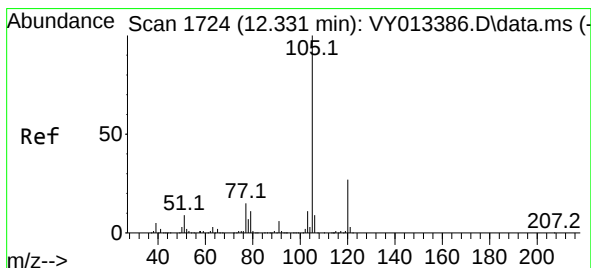
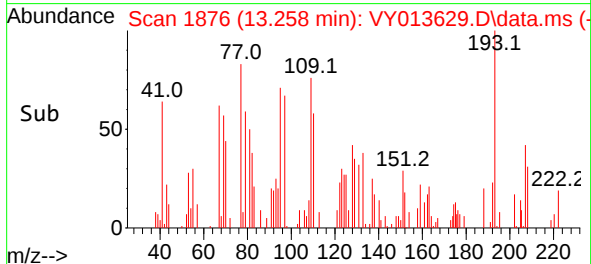
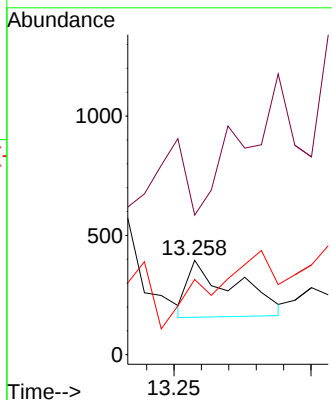
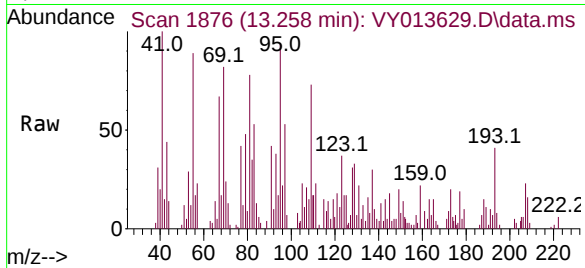




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.258 min Scan# 1712
Delta R.T. -0.164 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

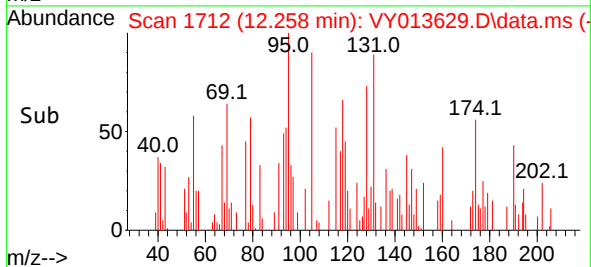
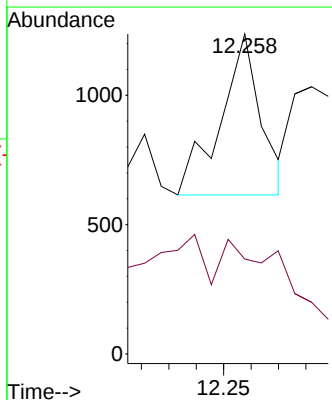
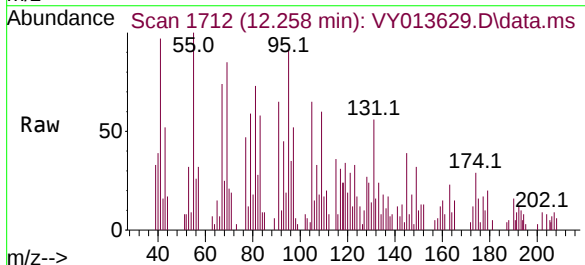
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

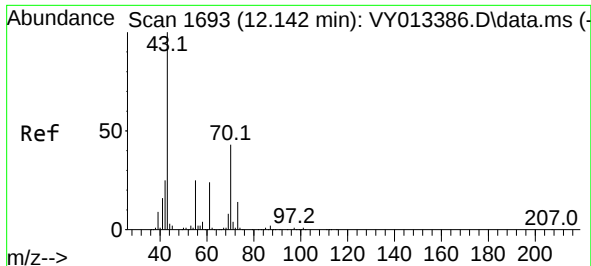
Tgt Ion:152 Resp: 289
Ion Ratio Lower Upper
152 100
115 78.2 28.1 84.2
150 92.0 0.0 352.0



#73
Isopropylbenzene
Concen: 29.233 ug/l
RT: 12.258 min Scan# 1712
Delta R.T. -0.073 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

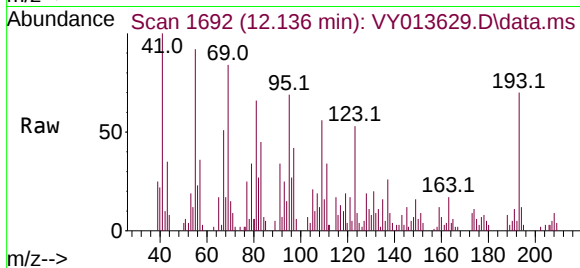
Tgt Ion:105 Resp: 639
Ion Ratio Lower Upper
105 100
120 28.6 13.7 41.0



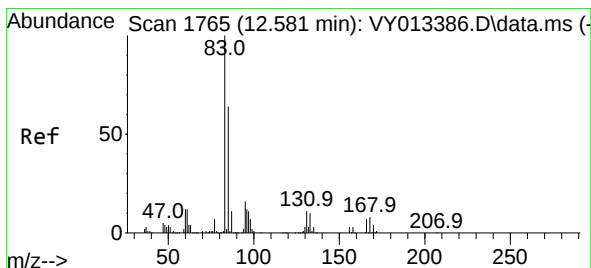
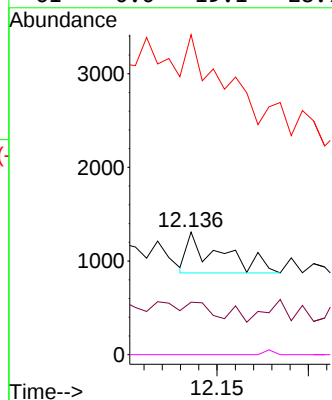
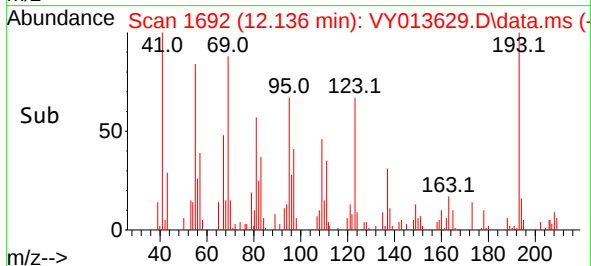


#74
N-amy1 acetate
Concen: 71.349 ug/l
RT: 12.136 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

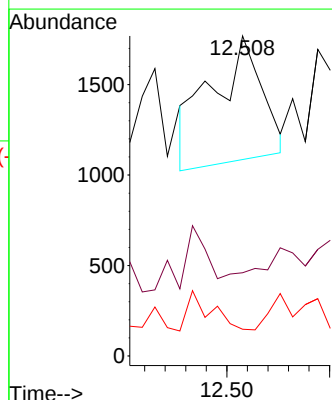
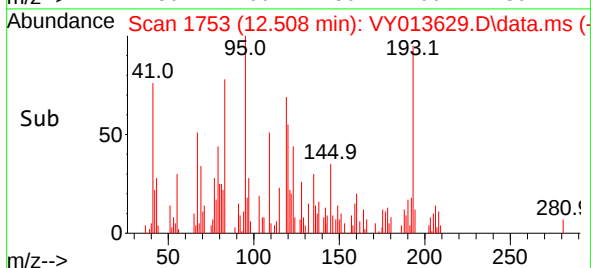
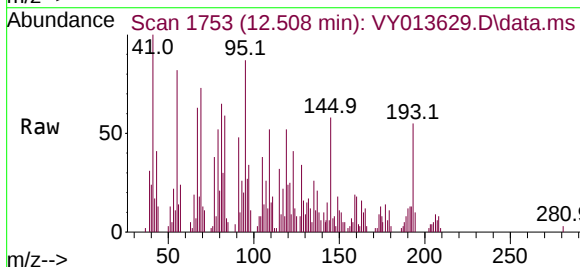


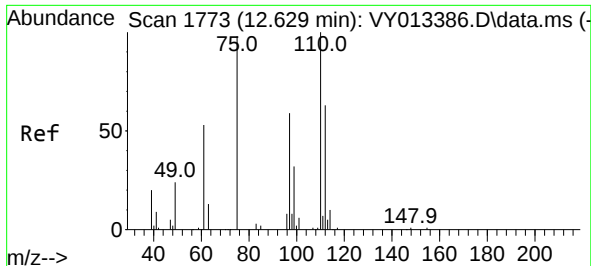
Tgt Ion: 43 Resp: 555
Ion Ratio Lower Upper
43 100
70 0.0 33.0 49.4#
55 0.0 19.8 29.6#
61 0.0 19.1 28.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 219.730 ug/l
RT: 12.508 min Scan# 1753
Delta R.T. -0.073 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion: 83 Resp: 1174
Ion Ratio Lower Upper
83 100
131 10.1 5.7 17.0
85 37.3 31.8 95.4

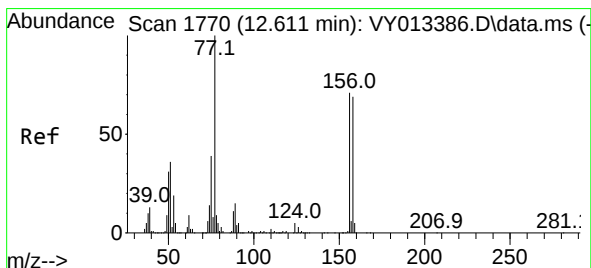
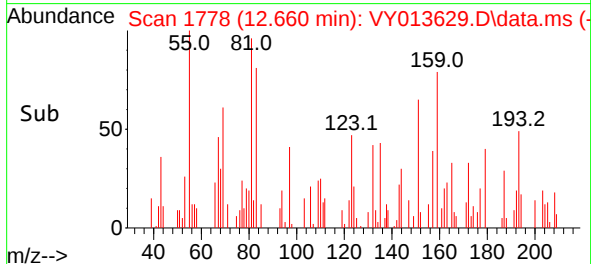
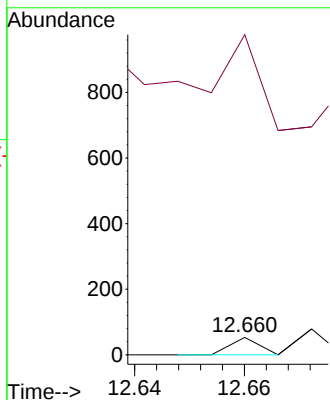
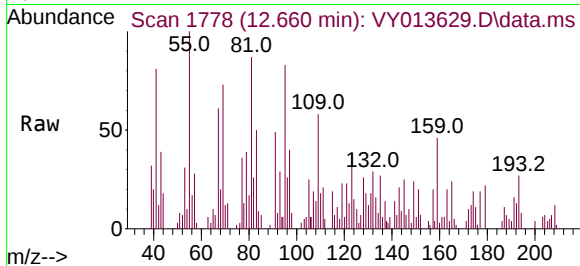




#76
1,2,3-Trichloropropane
Concen: 4.875 ug/l
RT: 12.660 min Scan# 1778
Delta R.T. 0.031 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

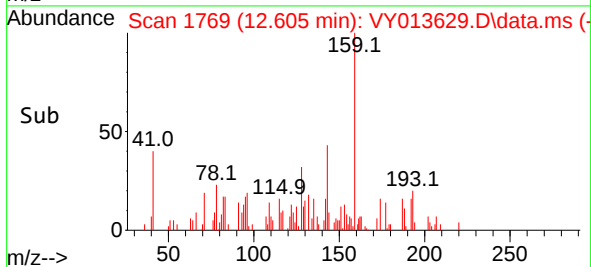
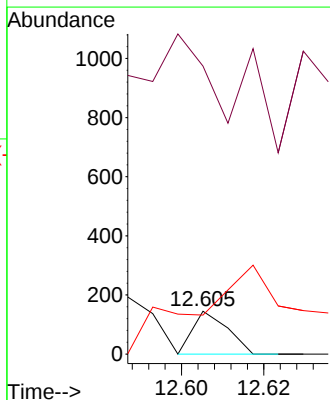
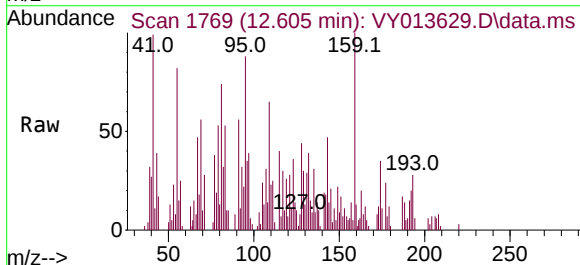
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

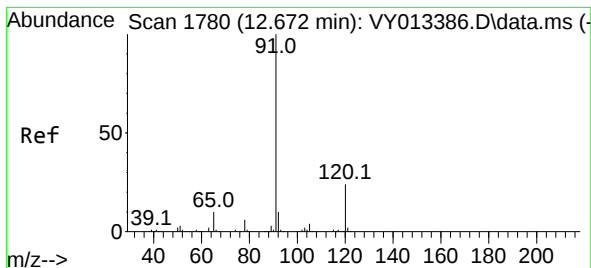
Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 16.048 ug/l
RT: 12.605 min Scan# 1769
Delta R.T. -0.006 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion: 156 Resp: 85
Ion Ratio Lower Upper
156 100
77 0.0 87.6 262.9#
158 598.8 48.5 145.5#





#78

n-propylbenzene

Concen: 16.862 ug/l

RT: 12.520 min Scan# 1755

Delta R.T. -0.152 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

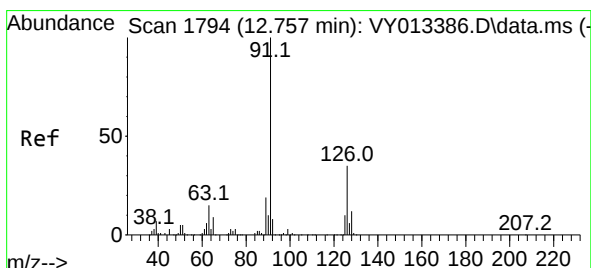
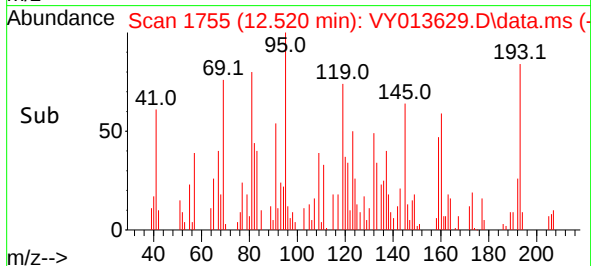
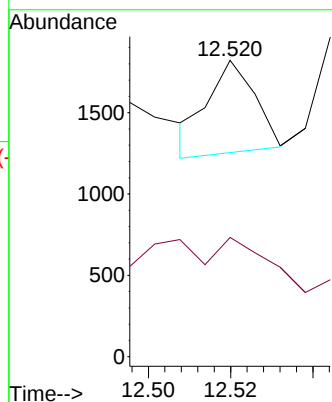
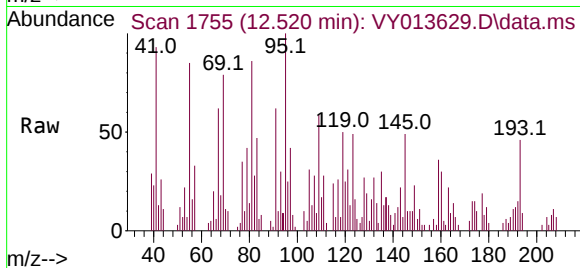
ZONE-B-0-3-05012023

Tgt Ion: 91 Resp: 454

Ion Ratio Lower Upper

91 100

120 32.2 11.9 35.9



#79

2-Chlorotoluene

Concen: 33.588 ug/l

RT: 12.739 min Scan# 1791

Delta R.T. -0.018 min

Lab File: VY013629.D

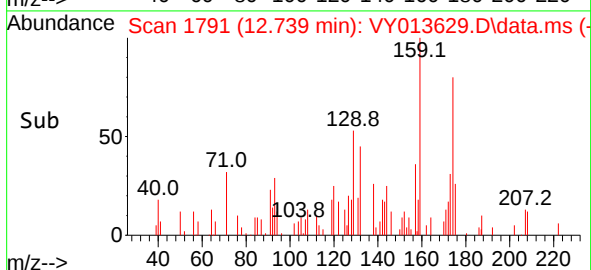
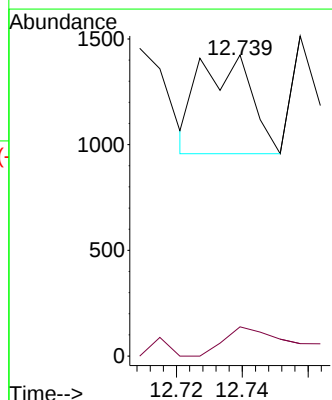
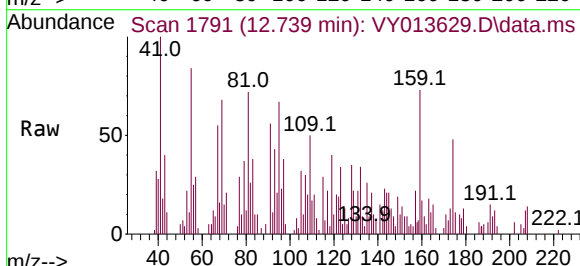
Acq: 05 May 2023 16:41

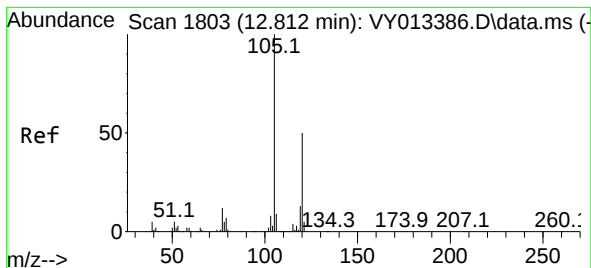
Tgt Ion: 91 Resp: 505

Ion Ratio Lower Upper

91 100

126 36.8 17.8 53.4





#80

1,3,5-Trimethylbenzene

Concen: 10.033 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.013 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

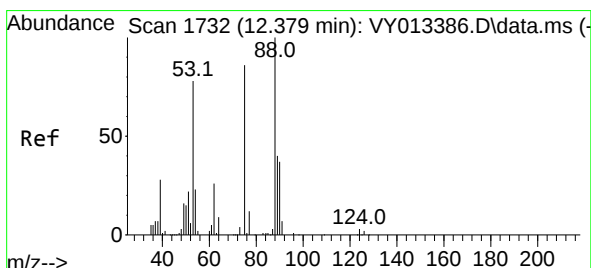
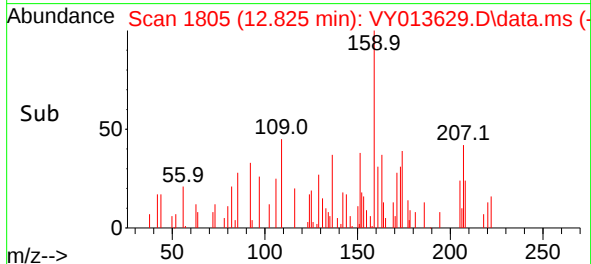
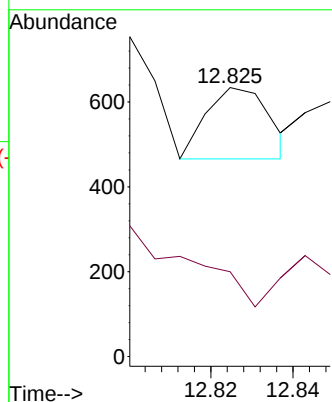
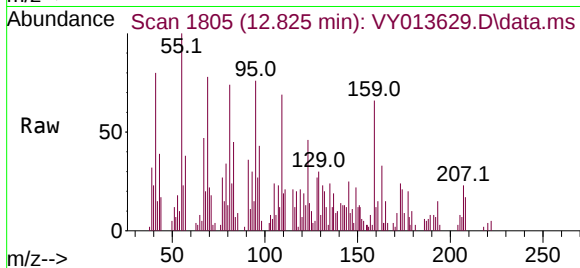
ZONE-B-0-3-05012023

Tgt Ion:105 Resp: 179

Ion Ratio Lower Upper

105 100

120 60.3 24.7 74.1



#81

trans-1,4-Dichloro-2-butene

Concen: 24.667 ug/l

RT: 12.380 min Scan# 1732

Delta R.T. 0.001 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

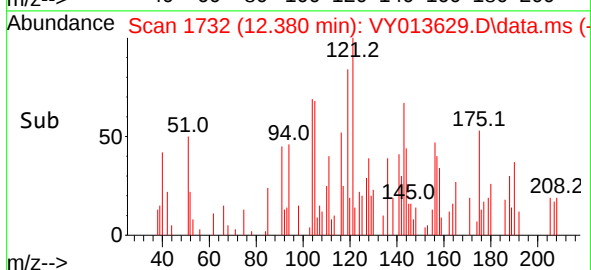
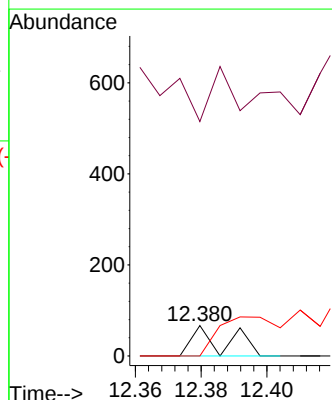
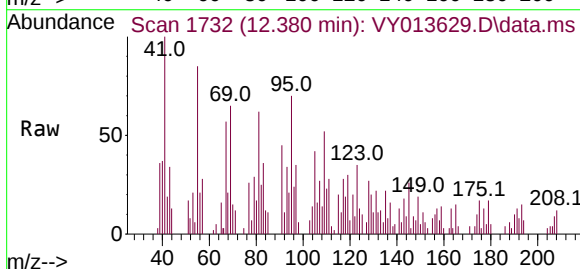
Tgt Ion: 75 Resp: 47

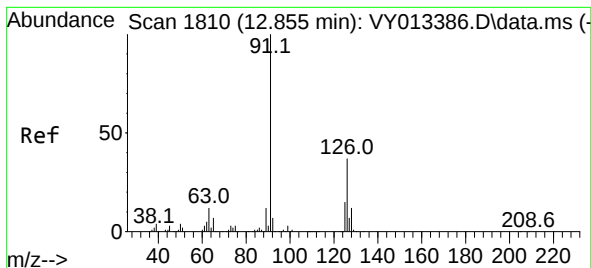
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 234.0 38.0 57.0#





#82

4-Chlorotoluene

Concen: 35.224 ug/l

RT: 12.855 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

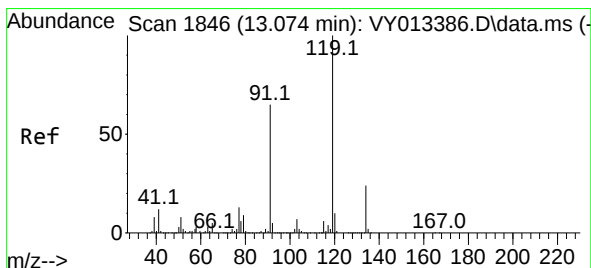
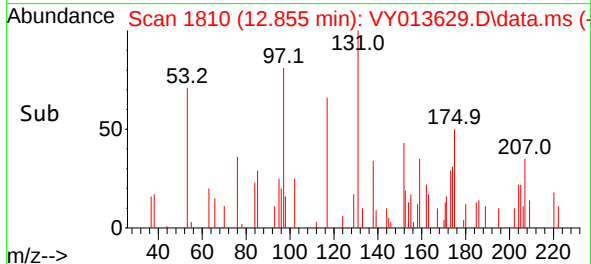
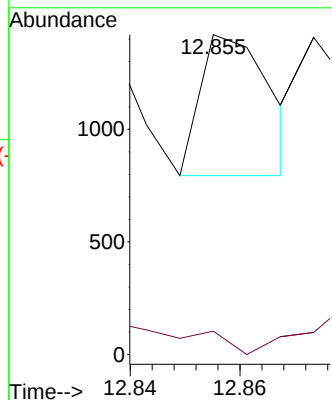
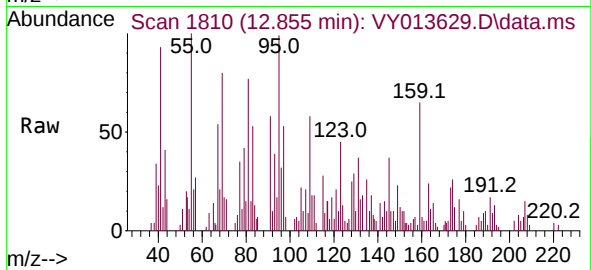
ZONE-B-0-3-05012023

Tgt Ion: 91 Resp: 552

Ion Ratio Lower Upper

91 100

126 28.6 17.9 53.8



#83

tert-Butylbenzene

Concen: 16.950 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.001 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

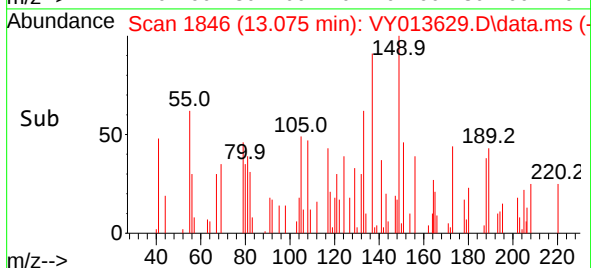
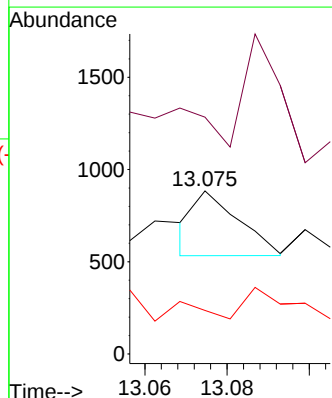
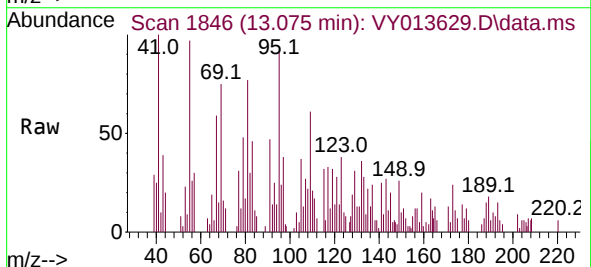
Tgt Ion: 119 Resp: 262

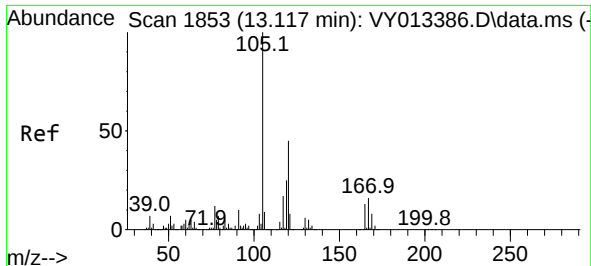
Ion Ratio Lower Upper

119 100

91 156.1 32.2 96.6#

134 130.9 13.0 38.9#

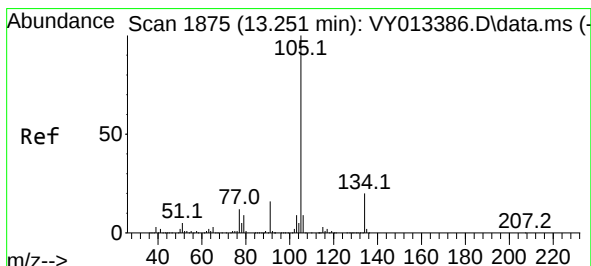
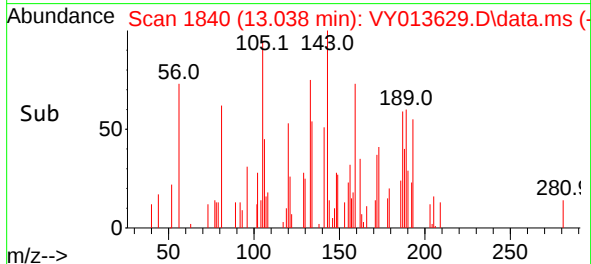
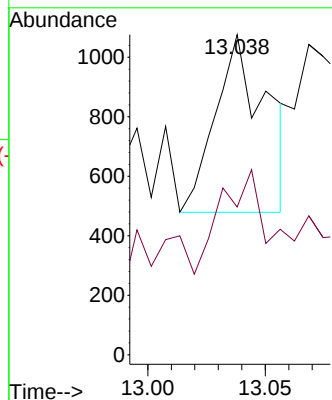
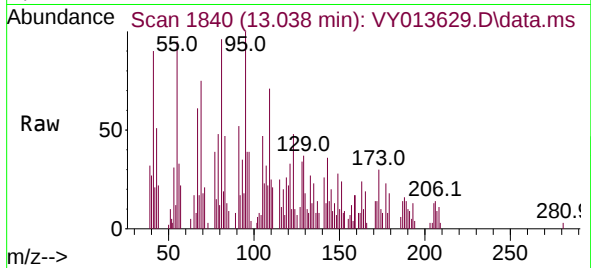




#84
1,2,4-Trimethylbenzene
Concen: 51.367 ug/l
RT: 13.038 min Scan# 1840
Delta R.T. -0.079 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

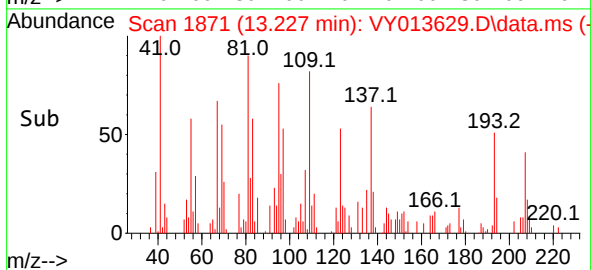
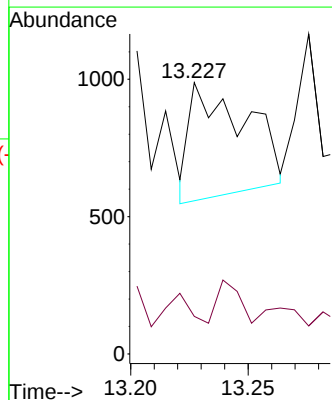
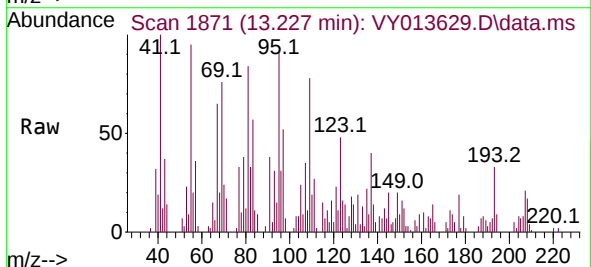
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

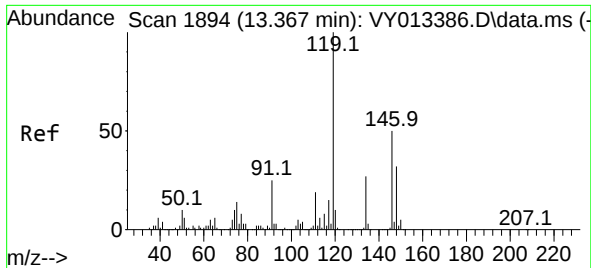
Tgt Ion:105 Resp: 891
Ion Ratio Lower Upper
105 100
120 55.6 22.3 66.9



#85
sec-Butylbenzene
Concen: 29.744 ug/l
RT: 13.227 min Scan# 1871
Delta R.T. -0.024 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion:105 Resp: 690
Ion Ratio Lower Upper
105 100
134 12.8 10.3 30.9

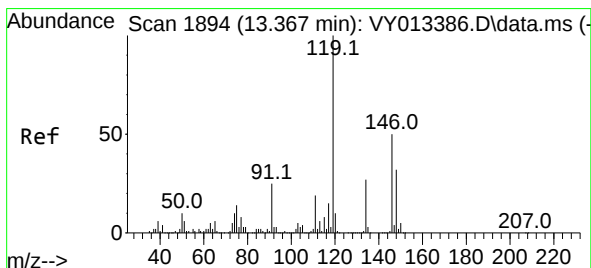
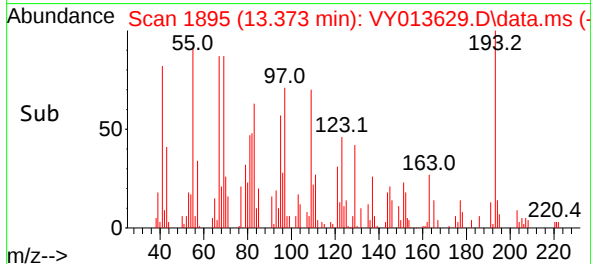
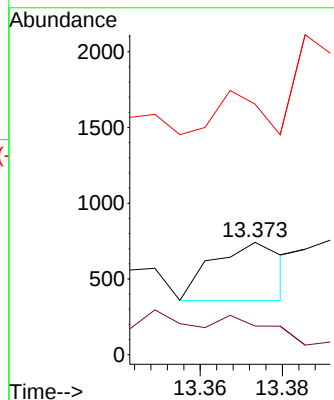
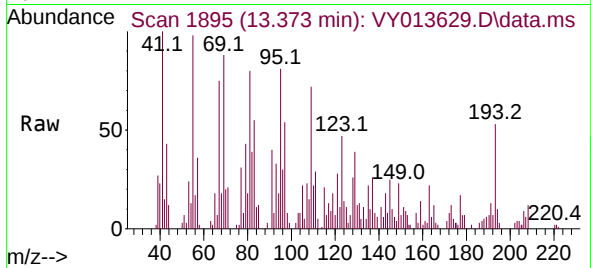




#86
p-Isopropyltoluene
Concen: 24.122 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

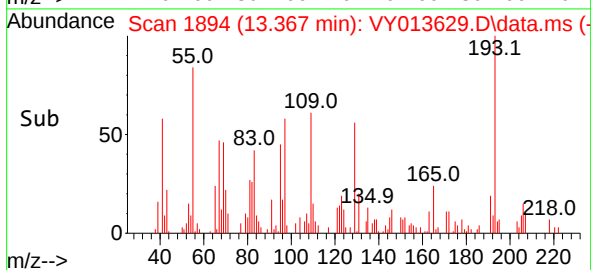
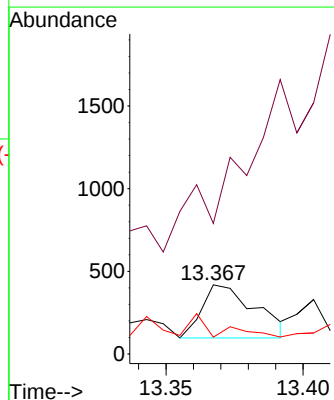
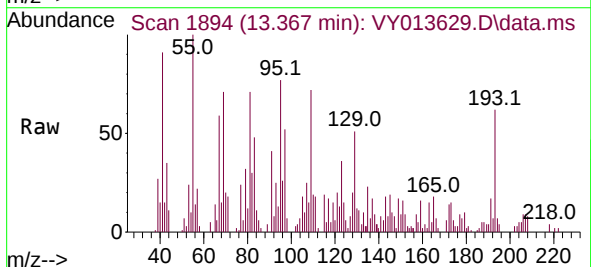
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-0-3-05012023

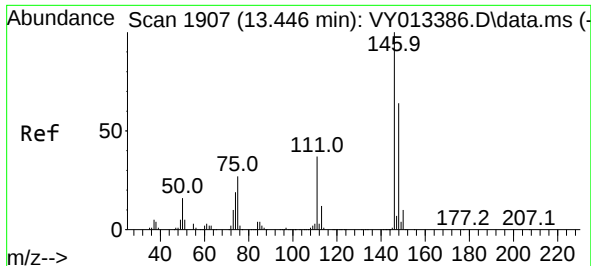
Tgt Ion:119 Resp: 450
Ion Ratio Lower Upper
119 100
134 0.0 13.4 40.2#
91 178.2 12.1 36.3#



#87
1,3-Dichlorobenzene
Concen: 43.208 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY013629.D
Acq: 05 May 2023 16:41

Tgt Ion:146 Resp: 436
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.9#
148 25.0 31.9 95.7#





#88

1,4-Dichlorobenzene

Concen: 5.886 ug/l

RT: 13.459 min Scan# 1909

Delta R.T. 0.013 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-B-0-3-05012023

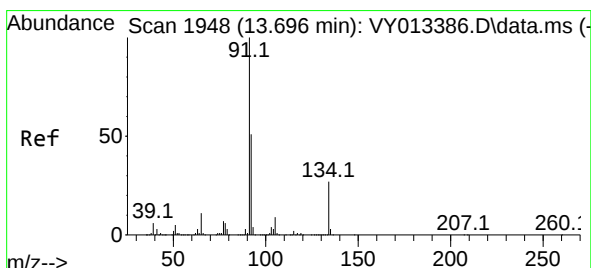
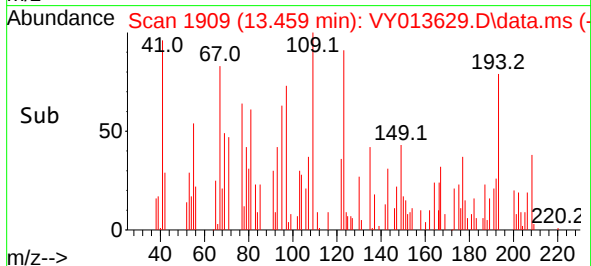
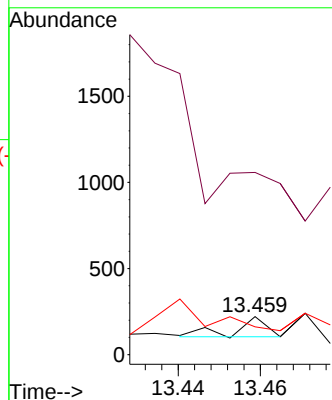
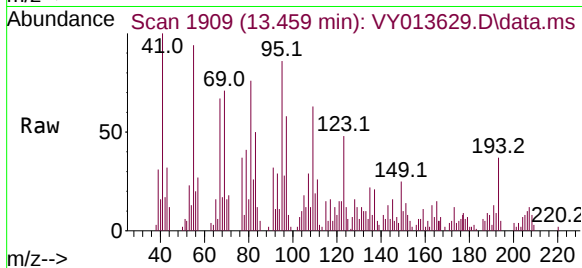
Tgt Ion:146 Resp: 60

Ion Ratio Lower Upper

146 100

111 0.0 18.9 56.5#

148 256.7 31.9 95.5#



#89

n-Butylbenzene

Concen: 12.083 ug/l

RT: 13.709 min Scan# 1950

Delta R.T. 0.013 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

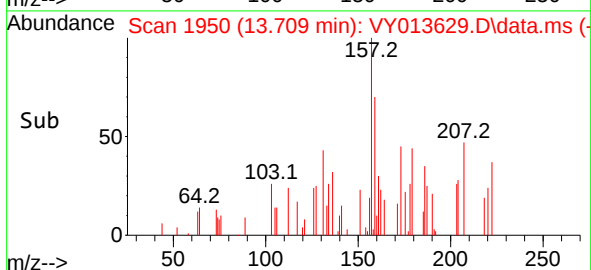
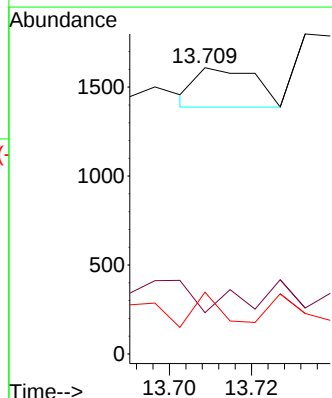
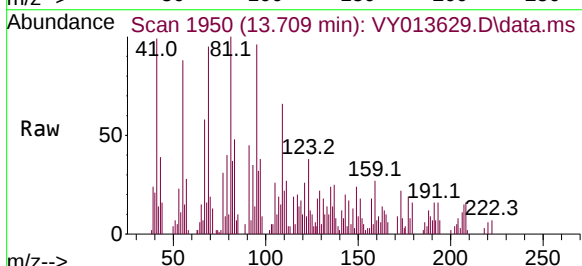
Tgt Ion: 91 Resp: 220

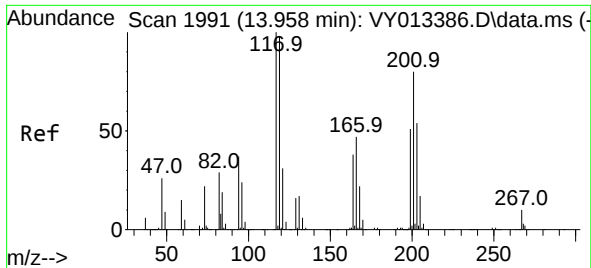
Ion Ratio Lower Upper

91 100

92 0.0 25.8 77.3#

134 0.0 13.5 40.4#





#90

Hexachloroethane

Concen: 75.135 ug/l

RT: 14.013 min Scan# 2000

Delta R.T. 0.055 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

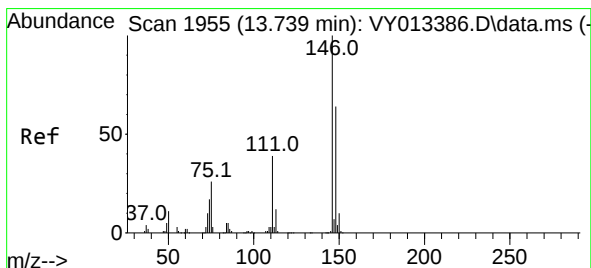
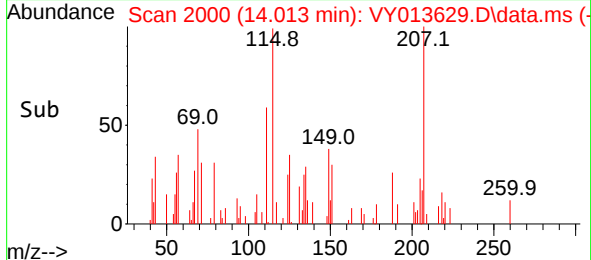
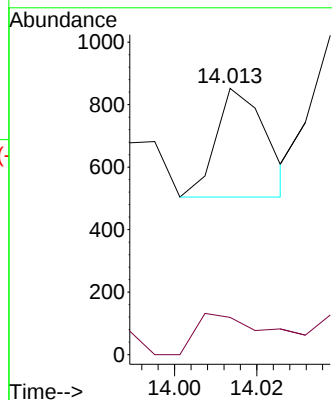
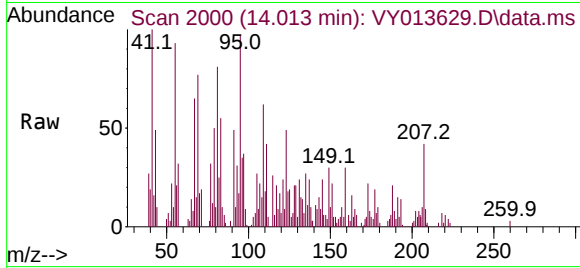
ZONE-B-0-3-05012023

Tgt Ion:117 Resp: 295

Ion Ratio Lower Upper

117 100

201 58.6 41.6 124.8



#91

1,2-Dichlorobenzene

Concen: 41.812 ug/l

RT: 13.757 min Scan# 1958

Delta R.T. 0.018 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

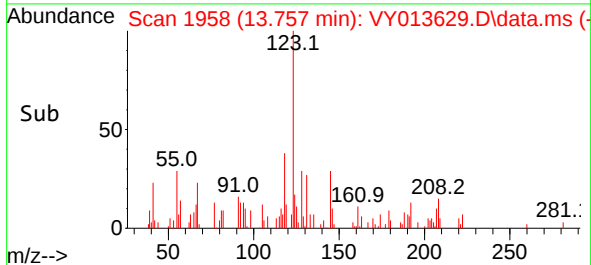
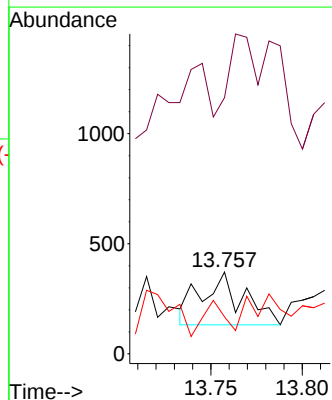
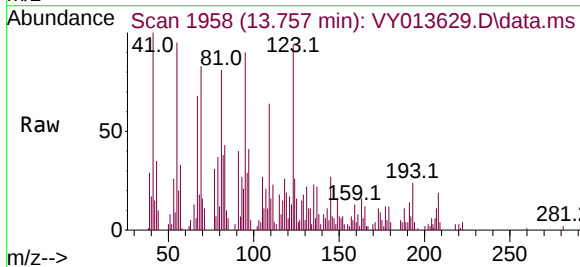
Tgt Ion:146 Resp: 381

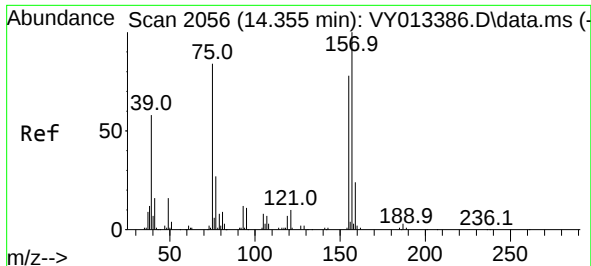
Ion Ratio Lower Upper

146 100

111 93.4 19.8 59.4#

148 34.9 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 173.799 ug/l

RT: 14.221 min Scan# 2056

Delta R.T. -0.134 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-B-0-3-05012023

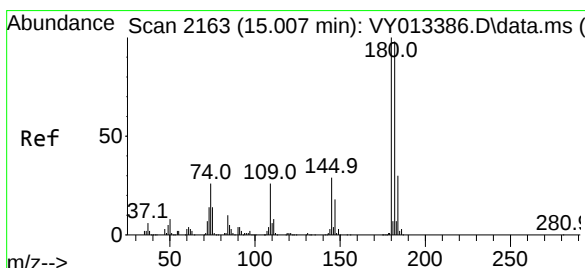
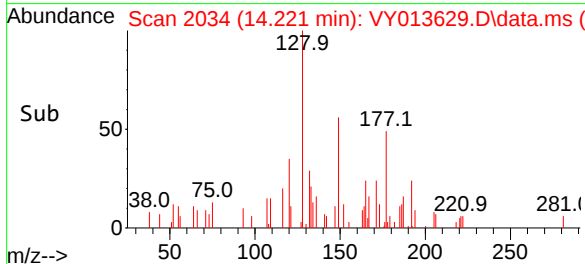
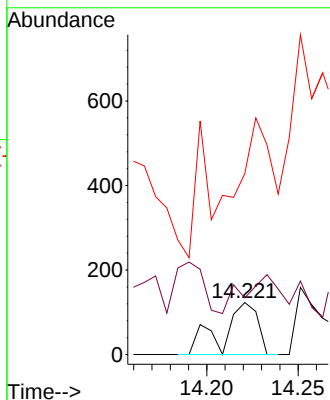
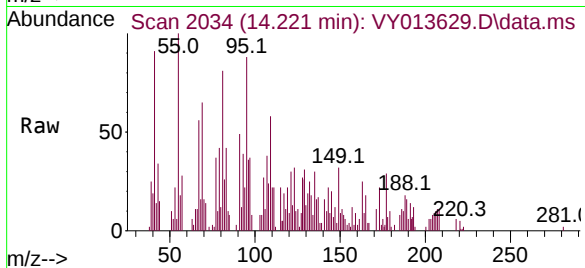
Tgt Ion: 75 Resp: 164

Ion Ratio Lower Upper

75 100

155 115.2 44.6 134.0

157 84.1 57.6 172.7



#93

1,2,4-Trichlorobenzene

Concen: 9.203 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

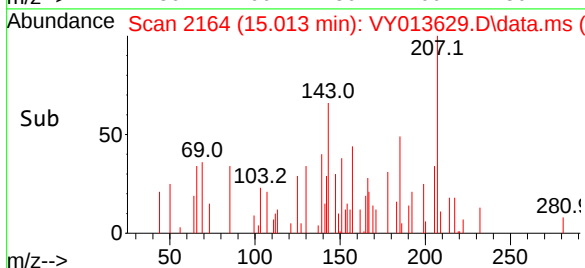
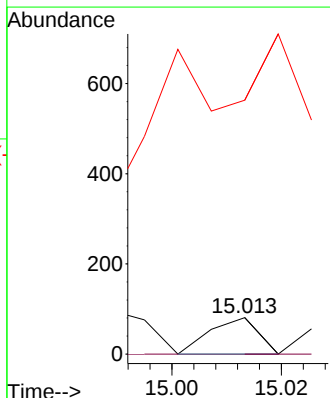
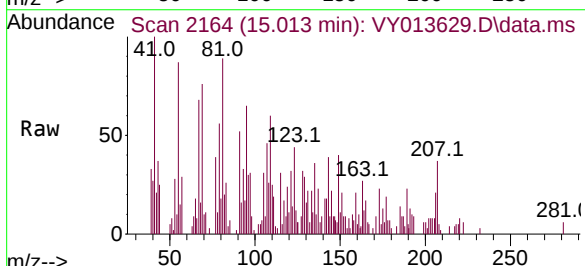
Tgt Ion:180 Resp: 50

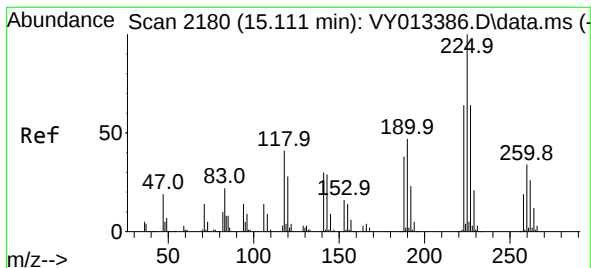
Ion Ratio Lower Upper

180 100

182 0.0 48.5 145.5#

145 484.0 15.0 45.0#





#94

Hexachlorobutadiene

Concen: 10.437 ug/l

RT: 14.971 min Scan# 21

Delta R.T. -0.140 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-B-0-3-05012023

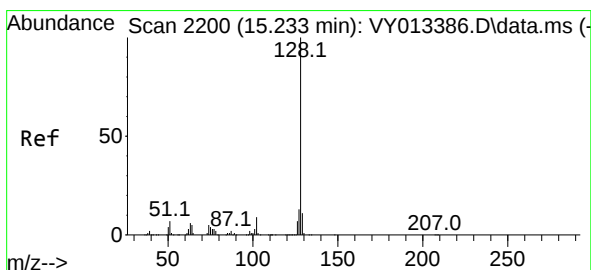
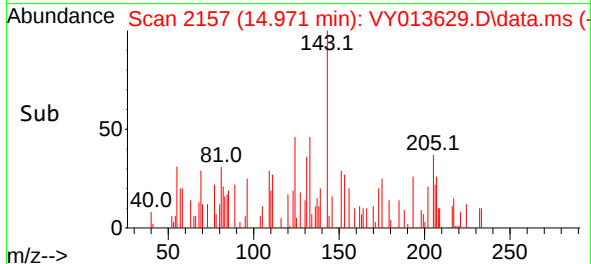
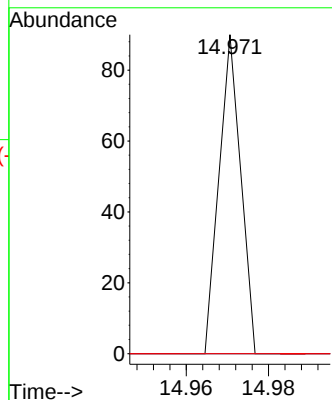
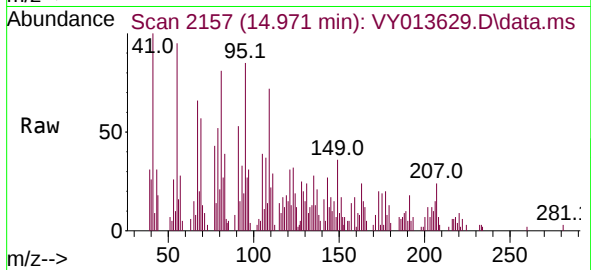
Tgt Ion:225 Resp: 33

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.2#

227 0.0 32.0 96.0#



#95

Naphthalene

Concen: 17.815 ug/l

RT: 15.263 min Scan# 2205

Delta R.T. 0.030 min

Lab File: VY013629.D

Acq: 05 May 2023 16:41

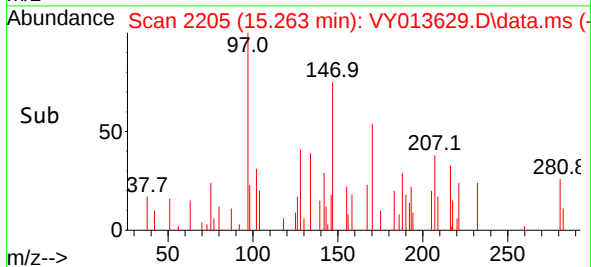
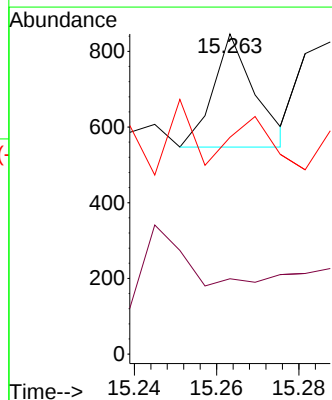
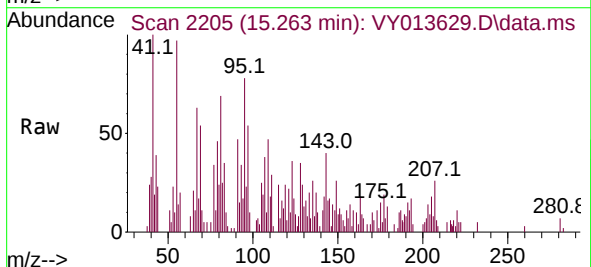
Tgt Ion:128 Resp: 210

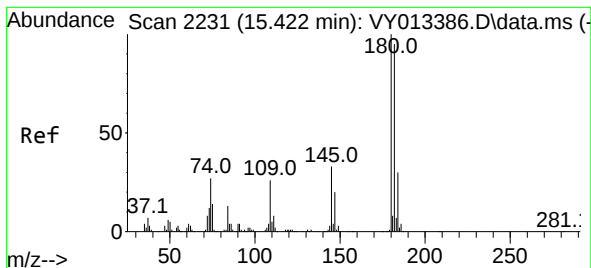
Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.8 13.2#





#96

1,2,3-Trichlorobenzene

Concen: 4.750 ug/l

RT: 15.397 min Scan# 21

Delta R.T. -0.025 min

Lab File: VY013629.D

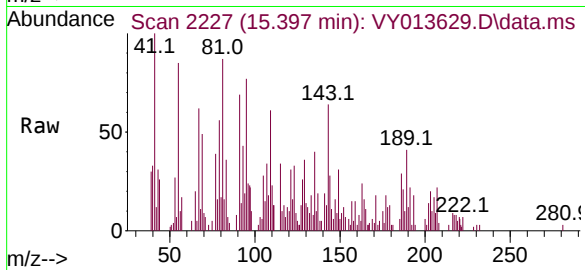
Acq: 05 May 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-B-0-3-05012023



Tgt Ion:180 Resp: 23

Ion Ratio Lower Upper

180 100

182 0.0 47.1 141.3#

145 0.0 15.9 47.7#

