

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013761.D
 Acq On : 16 May 2023 15:52
 Operator : KP/MD
 Sample : 02802-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1639

Quant Time: May 17 07:48:49 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	7.789	168	492	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	1158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	984	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	190	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	753	139.615	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 279.220%#	
35) Dibromofluoromethane	7.710	113	491	67.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 134.820%	
50) Toluene-d8	10.173	98	1299	50.136	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.280%	
62) 4-Bromofluorobenzene	12.477	95	591	67.661	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 135.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	180	28.710	ug/l	# 42
4) Vinyl Chloride	2.156	62	45	7.208	ug/l	# 43
6) Chloroethane	2.784	64	18	4.174	ug/l	# 44
7) Trichlorofluoromethane	3.131	101	20	2.115	ug/l	# 18
13) Acrolein	3.832	56	38	74.419	ug/l	# 16
14) Allyl chloride	4.485	41	50	5.270	ug/l	# 22
16) Acetone	3.912	43	45	21.187	ug/l	# 43
18) Methyl Acetate	4.509	43	62	8.838	ug/l	# 51
19) Methyl tert-butyl Ether	5.113	73	19	1.287	ug/l	# 53
20) Methylene Chloride	4.698	84	48	Below Cal	#	10
22) Diisopropyl ether	6.173	45	22	1.186	ug/l	# 33
23) Vinyl Acetate	6.118	43	23	2.191	ug/l	# 72
25) 2-Butanone	6.948	43	30	11.137	ug/l	# 47
27) cis-1,2-Dichloroethene	6.856	96	23	3.723	ug/l	# 1
28) Bromochloromethane	7.216	49	42	11.451	ug/l	# 7
29) Tetrahydrofuran	7.338	42	44	26.241	ug/l	# 32
31) Cyclohexane	7.832	56	21	2.175	ug/l	# 77
32) 1,1,1-Trichloroethane	7.856	97	19	2.072	ug/l	# 24
36) 1,1-Dichloropropene	7.905	75	19	1.572	ug/l	# 40
37) Ethyl Acetate	7.045	43	19	2.089	ug/l	# 69
38) Carbon Tetrachloride	7.850	117	20	1.579	ug/l	# 11
39) Methylcyclohexane	9.057	83	30	2.105	ug/l	# 19
41) Methacrylonitrile	7.307	41	241	56.855	ug/l	# 29
43) Isopropyl Acetate	8.124	43	20	1.303	ug/l	# 53
44) Trichloroethene	8.947	130	172	18.991	ug/l	# 2
45) 1,2-Dichloropropane	9.435	63	21	2.359	ug/l	# 44
48) Methyl methacrylate	9.258	41	292	41.410	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.069	43	31	3.623	ug/l	# 37
55) 1,1,2-Trichloroethane	10.368	97	22	3.119	ug/l	# 16
56) Ethyl methacrylate	10.569	69	42	4.292	ug/l	# 25
58) 2-Chloroethyl Vinyl ether	9.606	63	25	6.812	ug/l	# 45
59) 2-Hexanone	10.892	43	52	8.361	ug/l	# 87
71) Bromoform	11.995	173	30	5.343	ug/l	# 29
73) Isopropylbenzene	12.300	105	46	3.201	ug/l	# 48
74) N-amyl acetate	12.142	43	69	13.492	ug/l	# 27
75) 1,1,2,2-Tetrachloroethane	12.514	83	26	7.402	ug/l	# 26

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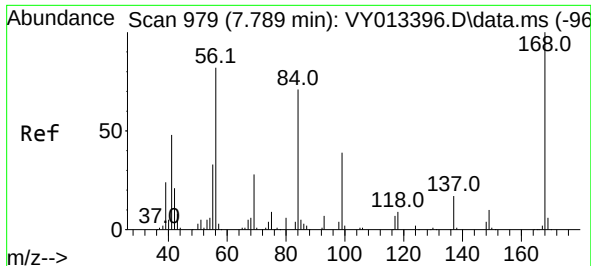
Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1639

Quant Time: May 17 07:48:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

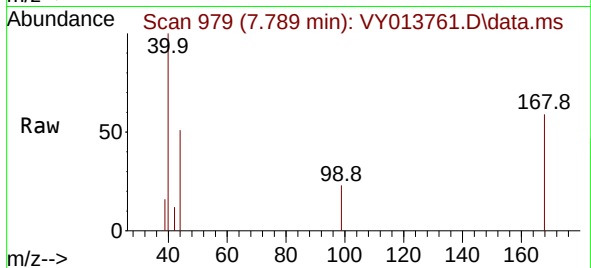
76) 1,2,3-Trichloropropane	12.630	75	44	17.172	ug/l #	100
77) Bromobenzene	12.599	156	22	6.318	ug/l #	32
78) n-propylbenzene	12.666	91	19	1.073	ug/l #	51
79) 2-Chlorotoluene	12.684	91	53	5.362	ug/l	77
80) 1,3,5-Trimethylbenzene	13.081	105	53	4.519	ug/l #	28
81) trans-1,4-Dichloro-2-b...	12.319	75	19	15.168	ug/l #	1
82) 4-Chlorotoluene	12.684	91	53	5.144	ug/l	78
84) 1,2,4-Trimethylbenzene	13.117	105	26	2.280	ug/l #	31
85) sec-Butylbenzene	13.282	105	48	3.147	ug/l #	56
86) p-Isopropyltoluene	13.367	119	19	1.549	ug/l #	1
89) n-Butylbenzene	13.684	91	110	9.189	ug/l #	34
90) Hexachloroethane	14.080	117	35	13.559	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.306	75	19	30.627	ug/l #	1
95) Naphthalene	15.239	128	47	6.065	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.330	180	19	5.968	ug/l #	13

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

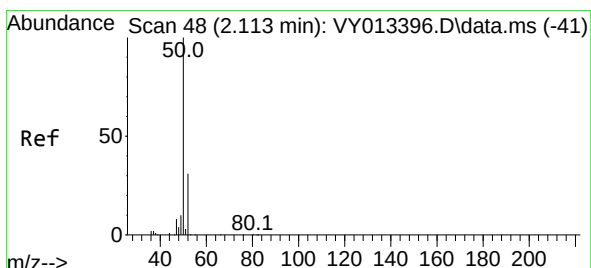
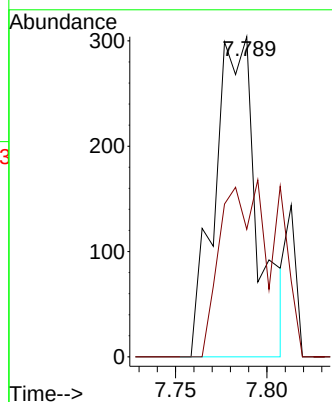
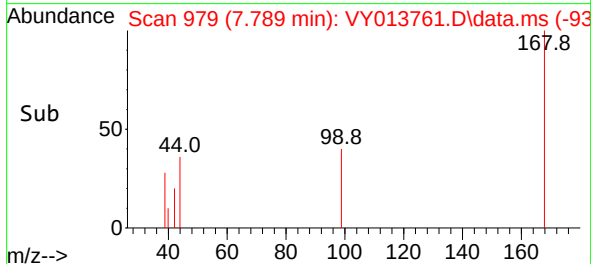


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013761.D
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MSVOA_Y
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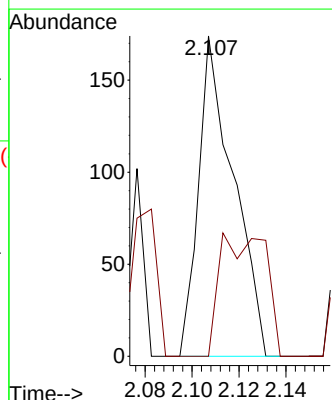
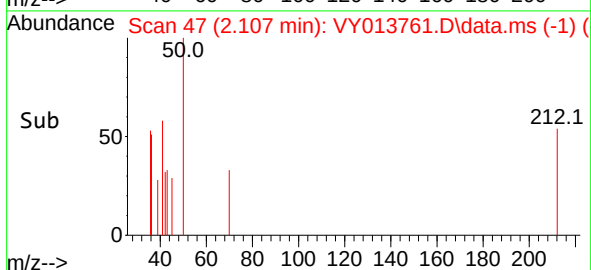
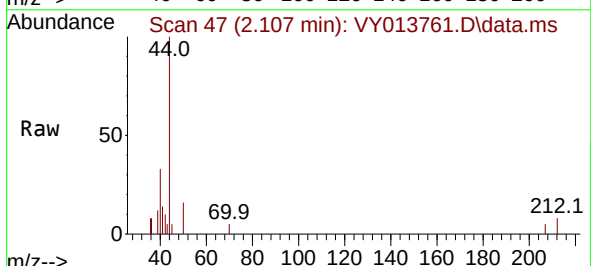


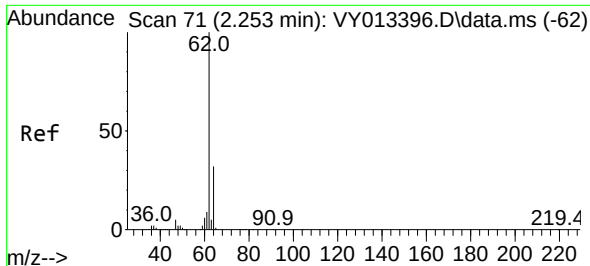
Tgt Ion:168 Resp: 492
Ion Ratio Lower Upper
168 100
99 39.8 41.8 62.6#



#3
Chloromethane
Concen: 28.710 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion: 50 Resp: 180
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

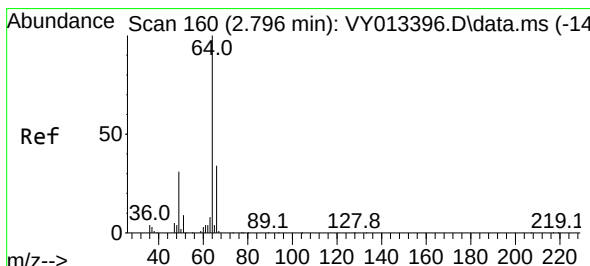
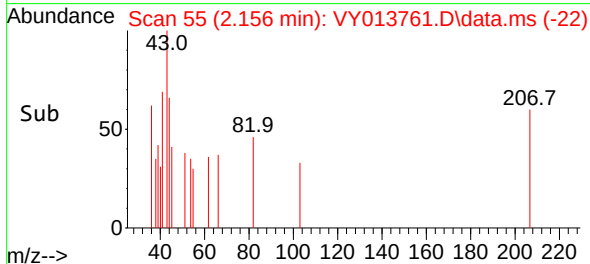
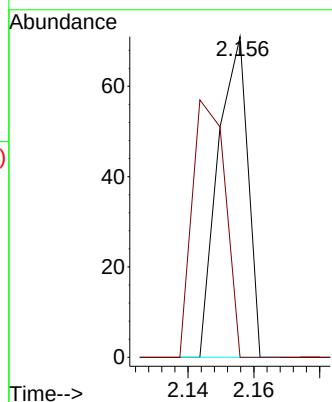
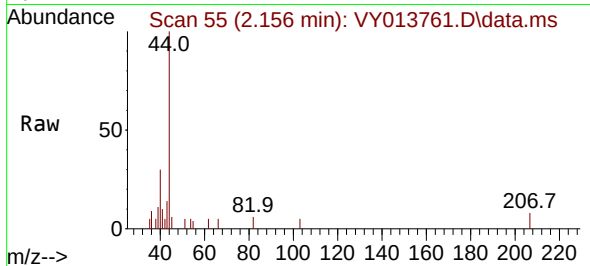




#4
 Vinyl Chloride
 Concen: 7.208 ug/l
 RT: 2.156 min Scan# 51
 Delta R.T. -0.097 min
 Lab File: VY013761.D
 Acq: 16 May 2023 15:52

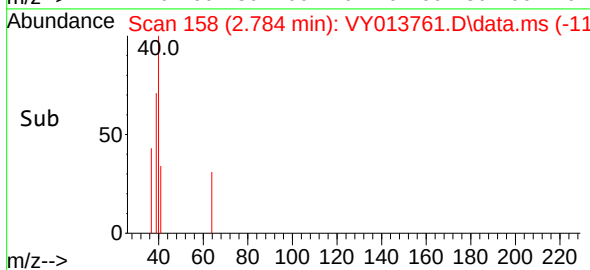
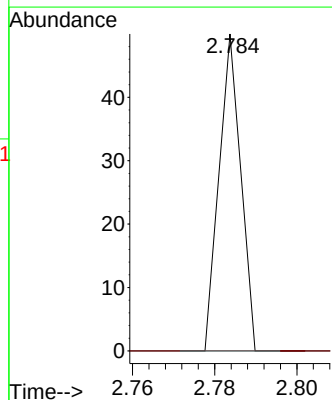
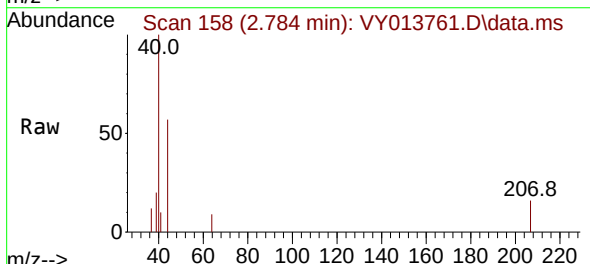
Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1639

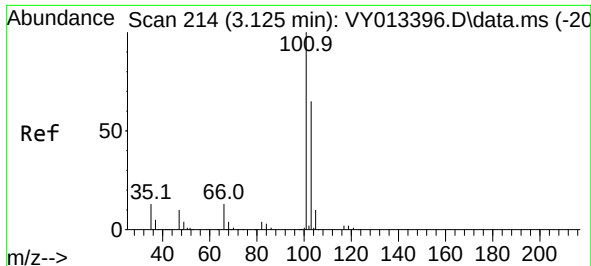
Tgt Ion: 62 Resp: 45
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.0#



#6
 Chloroethane
 Concen: 4.174 ug/l
 RT: 2.784 min Scan# 158
 Delta R.T. -0.006 min
 Lab File: VY013761.D
 Acq: 16 May 2023 15:52

Tgt Ion: 64 Resp: 18
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.6 37.0#

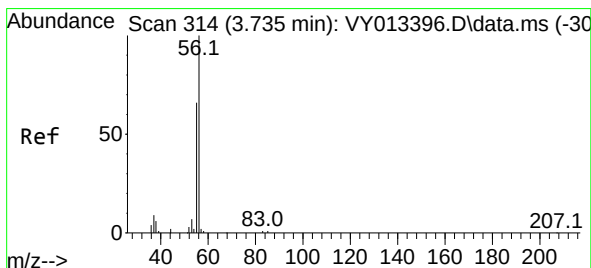
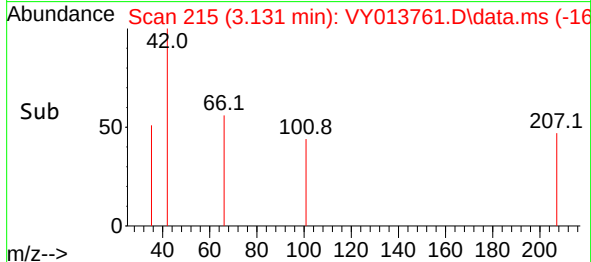
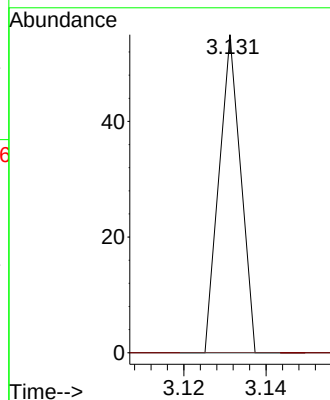
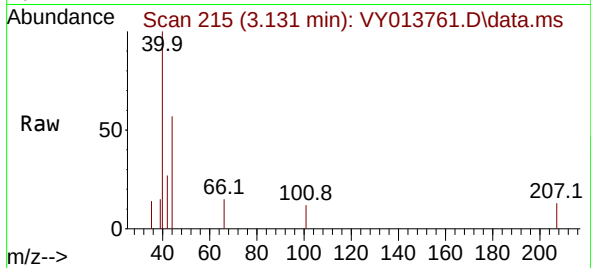




#7
Trichlorofluoromethane
Concen: 2.115 ug/l
RT: 3.131 min Scan# 214
Delta R.T. 0.006 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

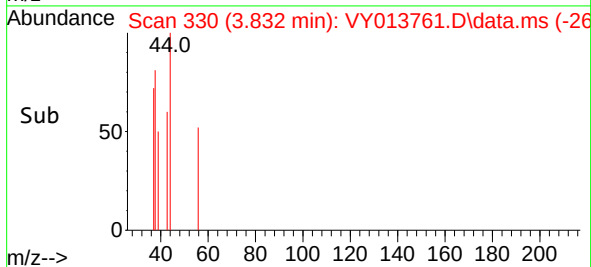
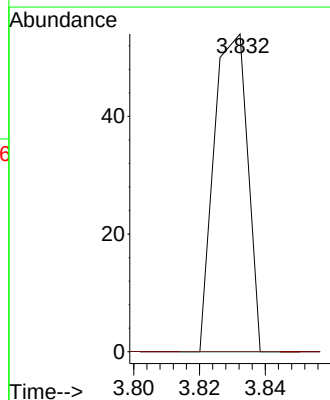
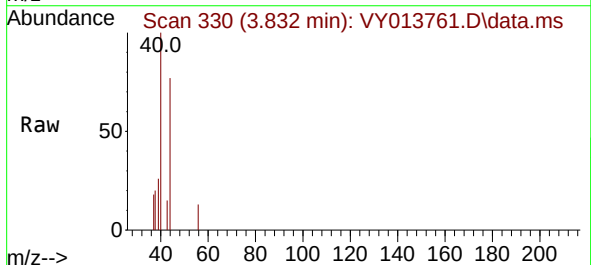
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

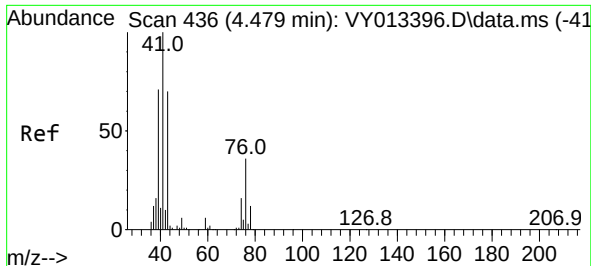
Tgt Ion:101 Resp: 20
Ion Ratio Lower Upper
101 100
103 0.0 51.6 77.4#



#13
Acrolein
Concen: 74.419 ug/l
RT: 3.832 min Scan# 330
Delta R.T. 0.103 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion: 56 Resp: 38
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

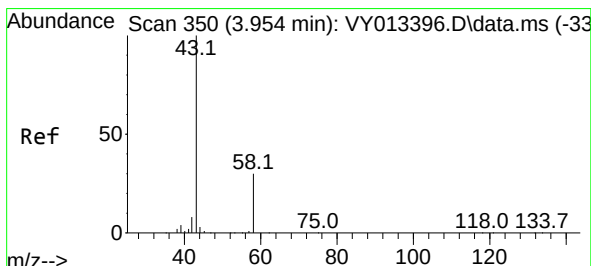
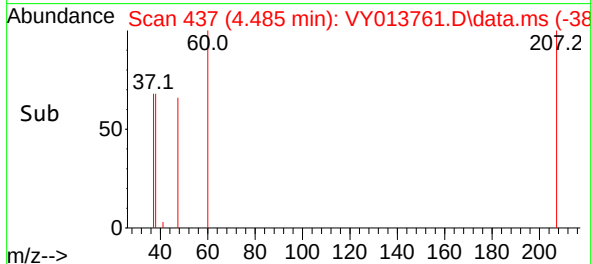
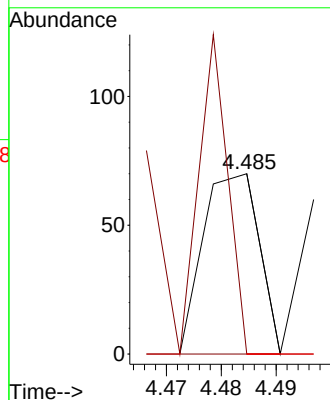
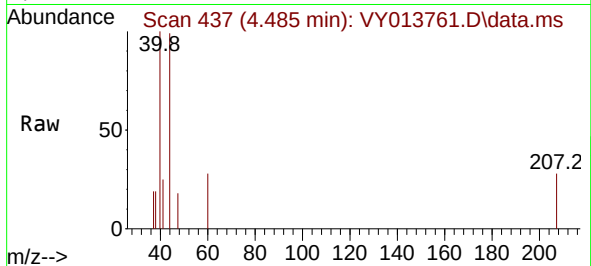




#14
 Allyl chloride
 Concen: 5.270 ug/l
 RT: 4.485 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VY013761.D
 Acq: 16 May 2023 15:52

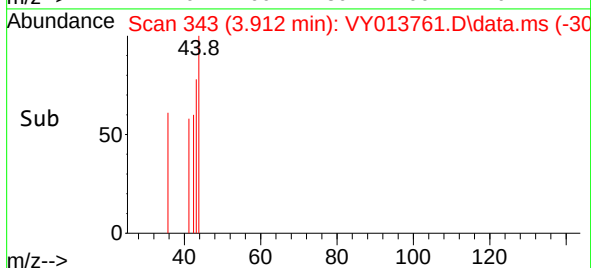
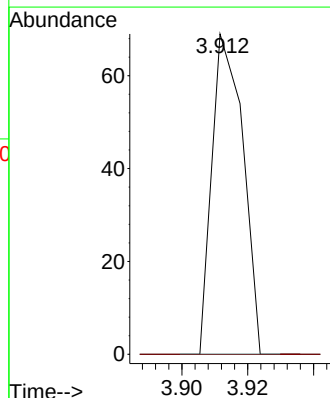
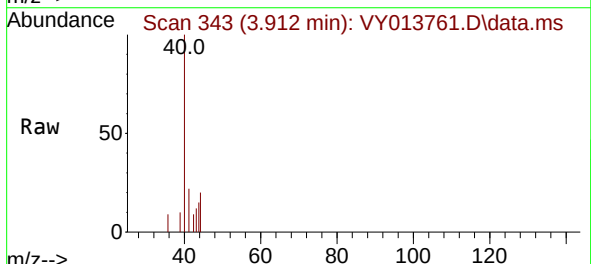
Instrument :
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 ClientSampleId :
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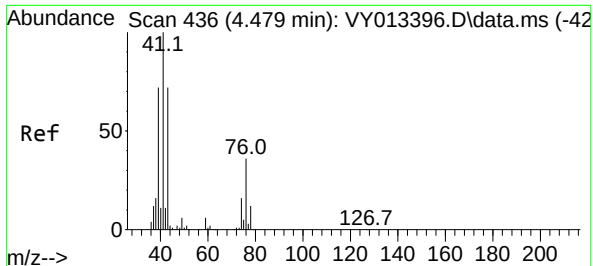
Tgt Ion: 41 Resp: 50
 Ion Ratio Lower Upper
 41 100
 39 0.0 56.6 85.0#
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 21.187 ug/l
 RT: 3.912 min Scan# 343
 Delta R.T. -0.036 min
 Lab File: VY013761.D
 Acq: 16 May 2023 15:52

Tgt Ion: 43 Resp: 45
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.4 38.0#

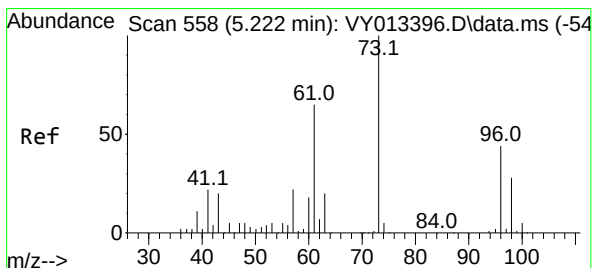
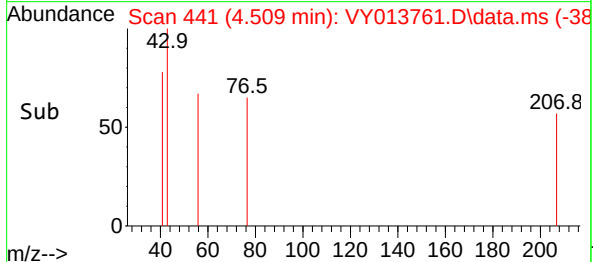
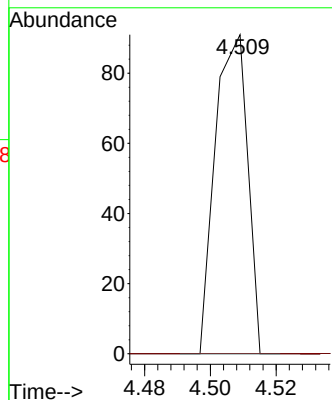
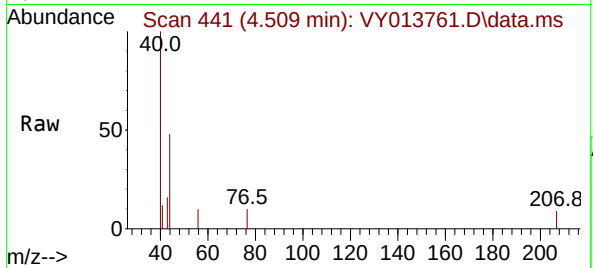




#18
Methyl Acetate
Concen: 8.838 ug/l
RT: 4.509 min Scan# 441
Delta R.T. 0.031 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

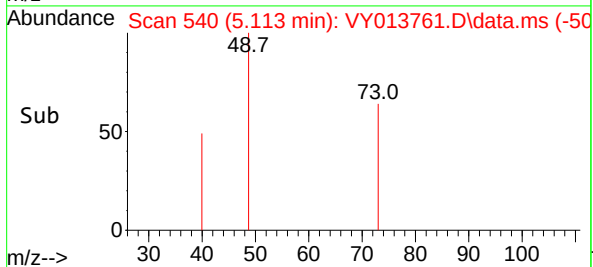
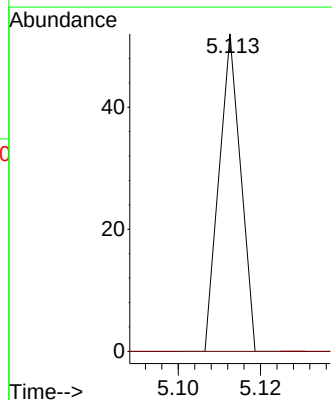
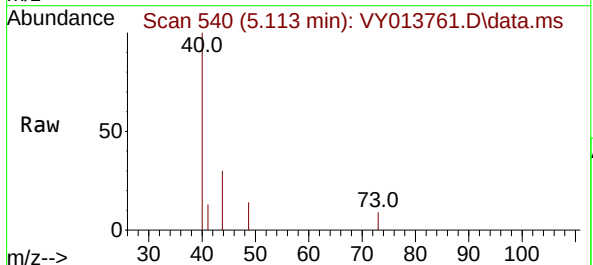
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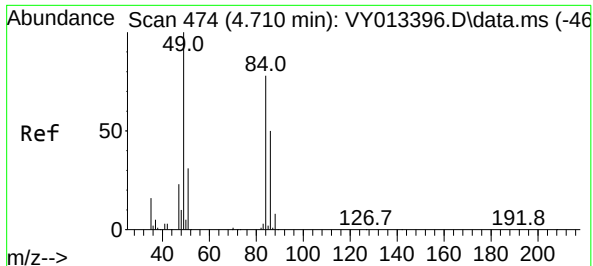
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#19
Methyl tert-butyl Ether
Concen: 1.287 ug/l
RT: 5.113 min Scan# 540
Delta R.T. -0.103 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

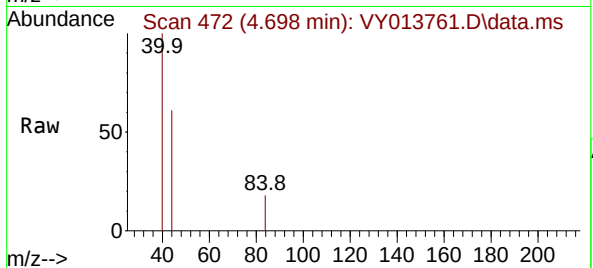
Tgt Ion: 73 Resp: 19
Ion Ratio Lower Upper
73 100
57 0.0 17.8 26.8#



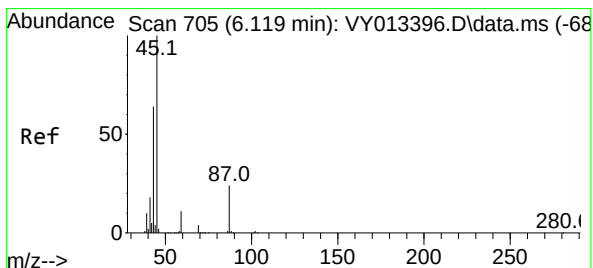
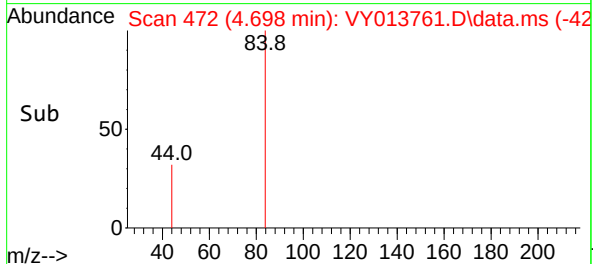
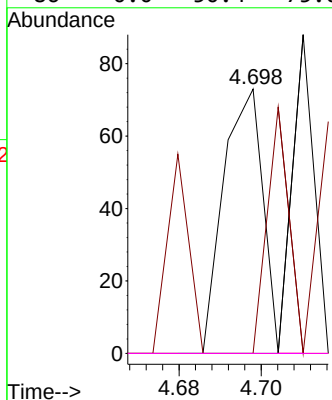


#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

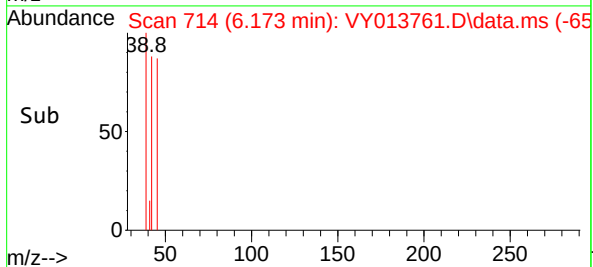
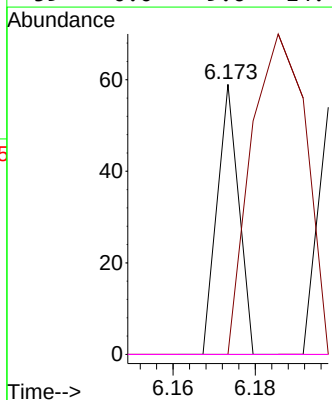
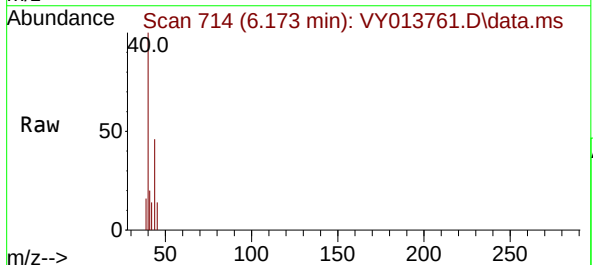


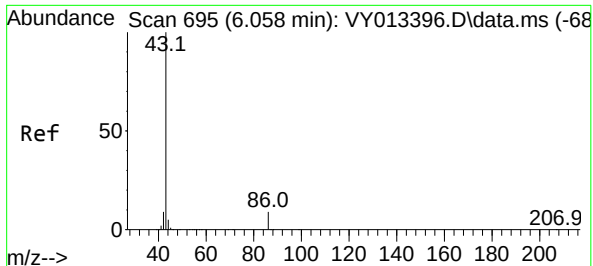
Tgt Ion:	84	Resp:	48
Ion	Ratio	Lower	Upper
84	100		
49	0.0	88.0	132.0#
51	0.0	27.4	41.0#
86	0.0	50.4	75.6#



#22
Diisopropyl ether
Concen: 1.186 ug/l
RT: 6.173 min Scan# 714
Delta R.T. 0.055 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion:	45	Resp:	22
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: 2.191 ug/l

RT: 6.118 min Scan# 705

Delta R.T. 0.061 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

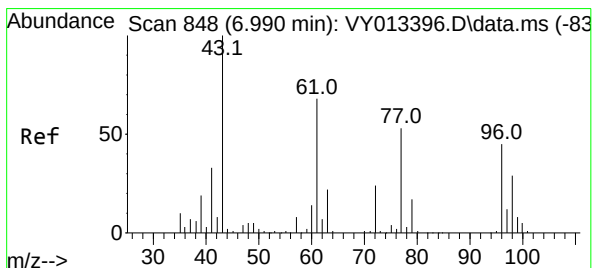
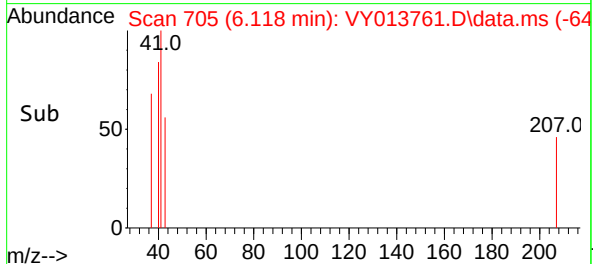
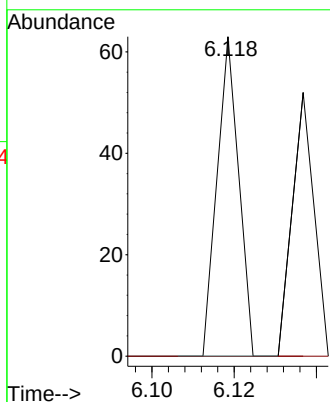
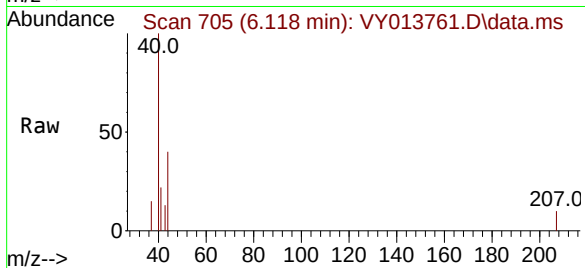
ORA-1639

Tgt Ion: 43 Resp: 23

Ion Ratio Lower Upper

43 100

86 0.0 8.5 12.7#



#25

2-Butanone

Concen: 11.137 ug/l

RT: 6.948 min Scan# 841

Delta R.T. -0.036 min

Lab File: VY013761.D

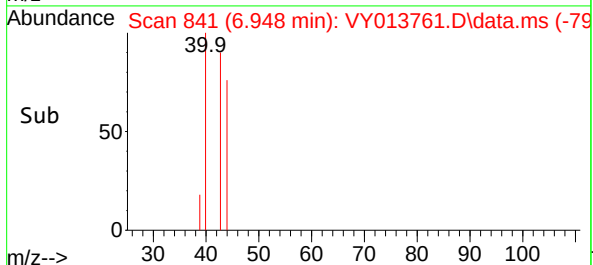
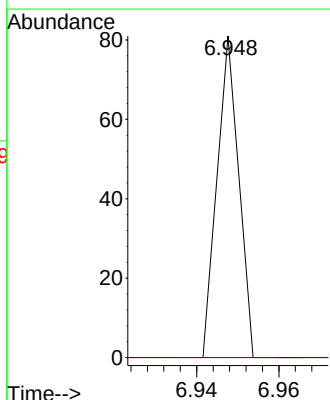
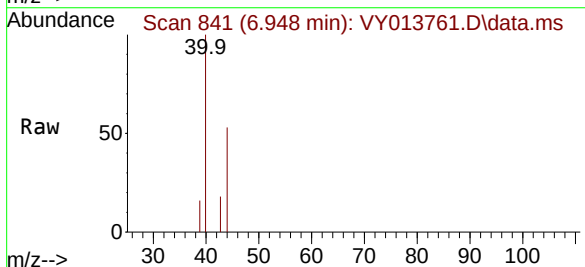
Acq: 16 May 2023 15:52

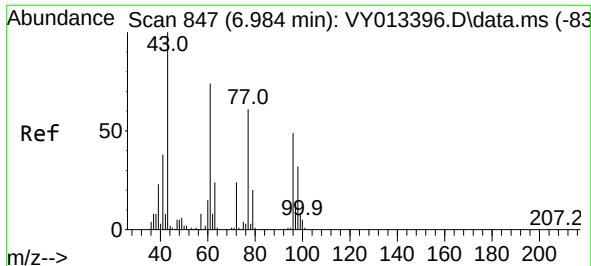
Tgt Ion: 43 Resp: 30

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 3.723 ug/l

RT: 6.856 min Scan# 81

Delta R.T. -0.128 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1639

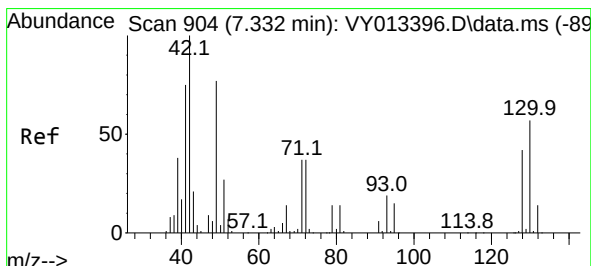
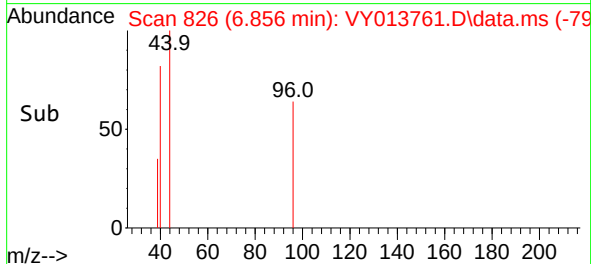
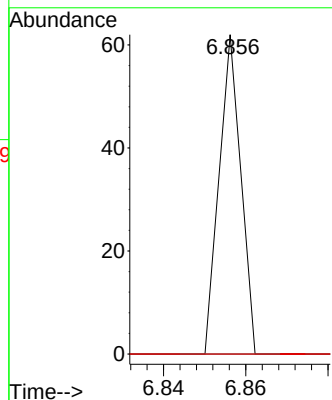
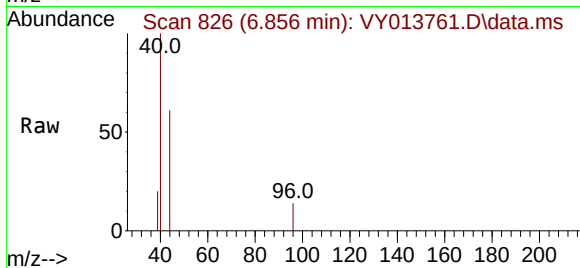
Tgt Ion: 96 Resp: 23

Ion Ratio Lower Upper

96 100

61 0.0 0.0 285.0

98 0.0 0.0 130.6



#28

Bromochloromethane

Concen: 11.451 ug/l

RT: 7.216 min Scan# 885

Delta R.T. -0.116 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

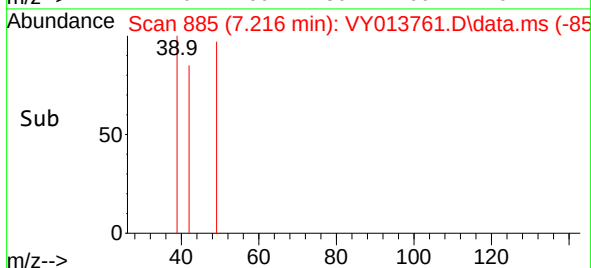
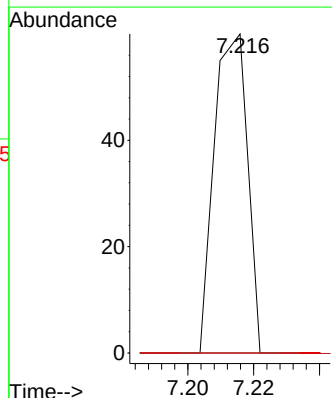
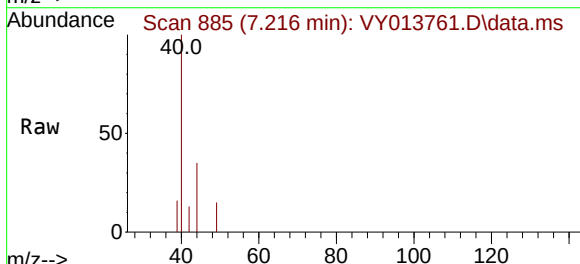
Tgt Ion: 49 Resp: 42

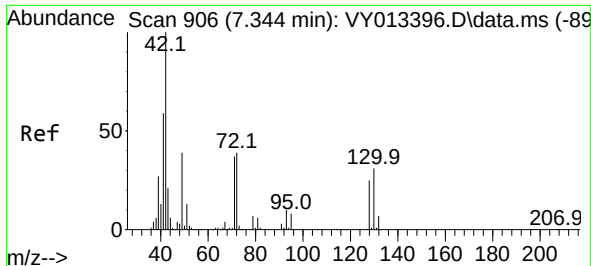
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

130 0.0 72.1 108.1#





#29

Tetrahydrofuran

Concen: 26.241 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1639

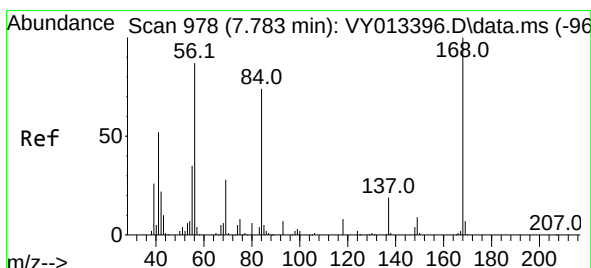
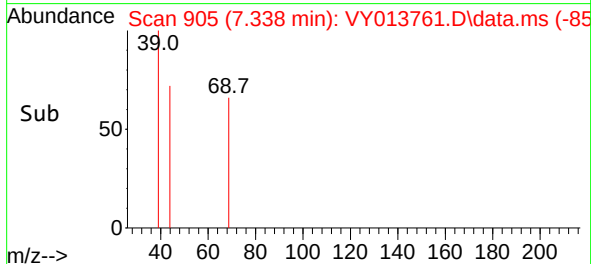
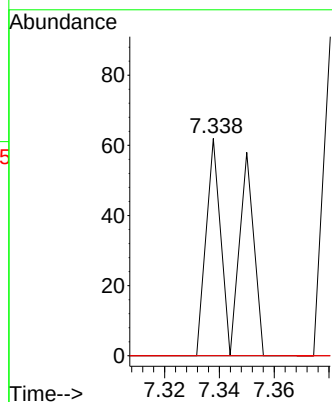
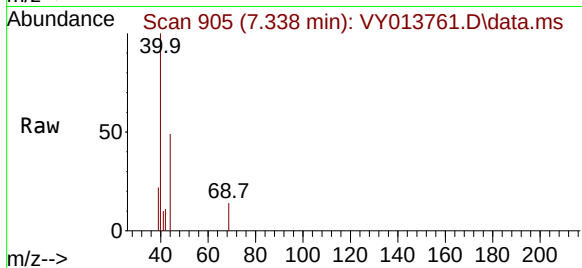
Tgt Ion: 42 Resp: 44

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 34.3 51.5#



#31

Cyclohexane

Concen: 2.175 ug/l

RT: 7.832 min Scan# 986

Delta R.T. 0.049 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

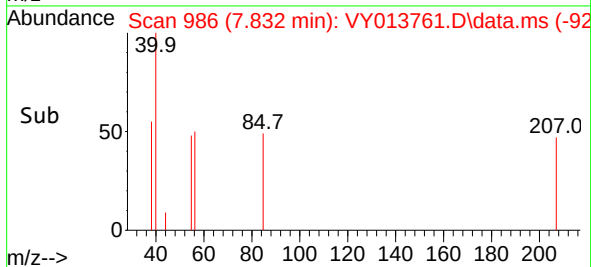
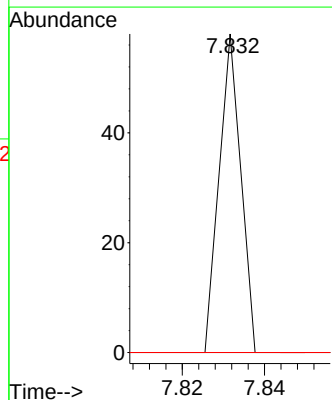
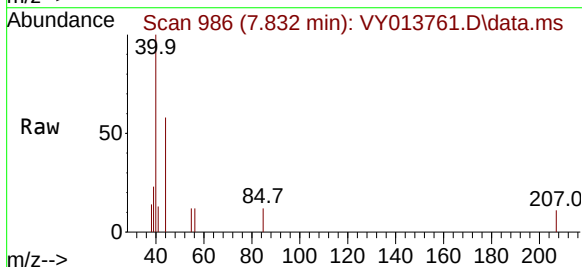
Tgt Ion: 56 Resp: 21

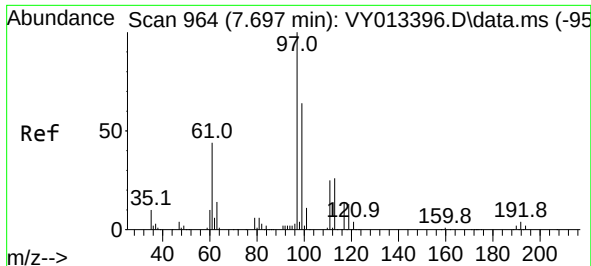
Ion Ratio Lower Upper

56 100

69 0.0 29.2 43.8#

84 98.3 73.0 109.6

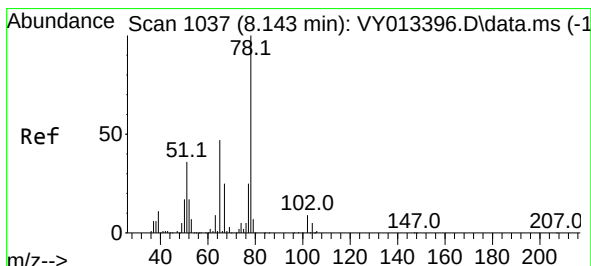
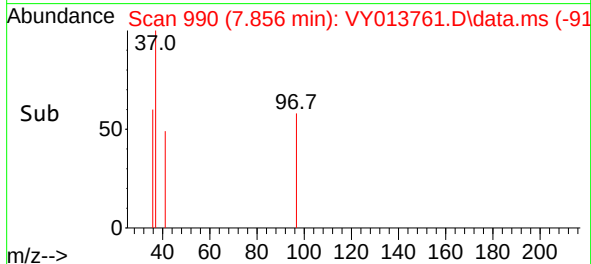
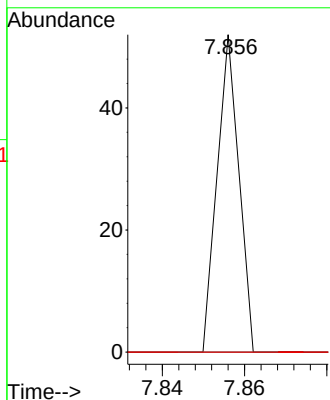
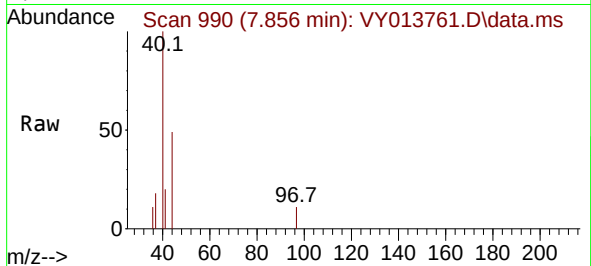




#32
1,1,1-Trichloroethane
Concen: 2.072 ug/l
RT: 7.856 min Scan# 91
Delta R.T. 0.159 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

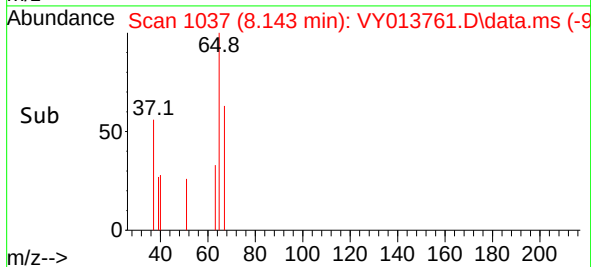
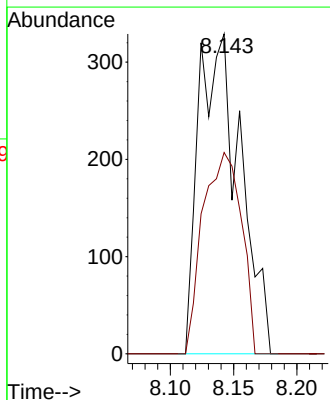
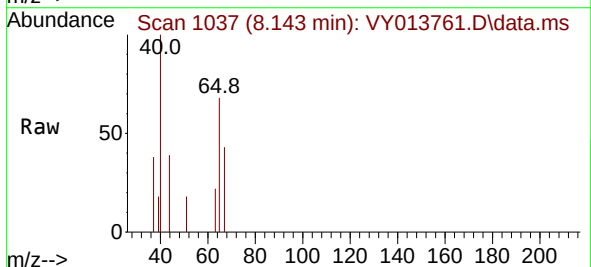
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

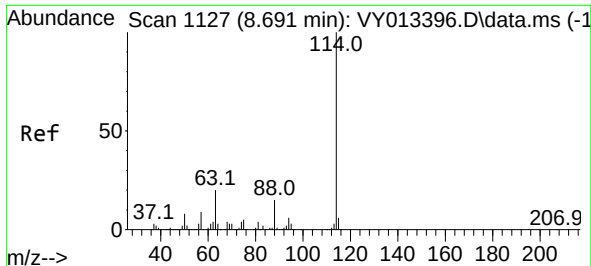
Tgt Ion: 97 Resp: 19
Ion Ratio Lower Upper
97 100
99 0.0 52.2 78.2#
61 0.0 33.8 50.8#



#33
1,2-Dichloroethane-d4
Concen: 139.615 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion: 65 Resp: 753
Ion Ratio Lower Upper
65 100
67 58.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1639

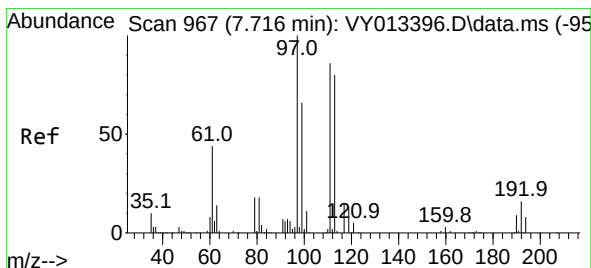
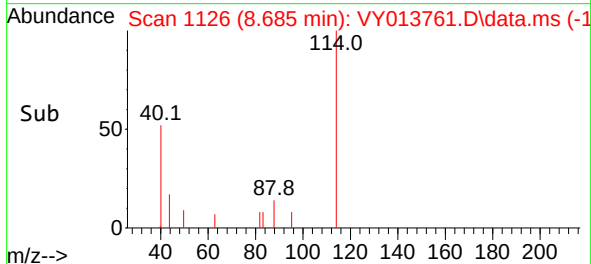
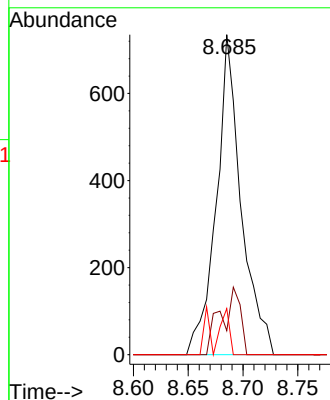
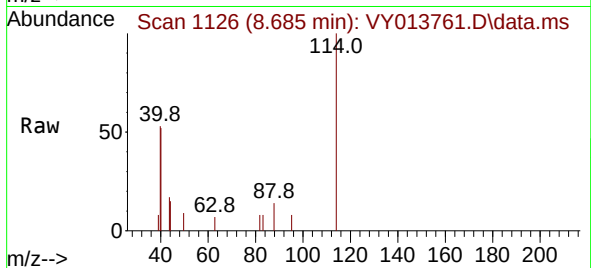
Tgt Ion:114 Resp: 1158

Ion Ratio Lower Upper

114 100

63 7.5 0.0 36.6

88 14.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 67.415 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

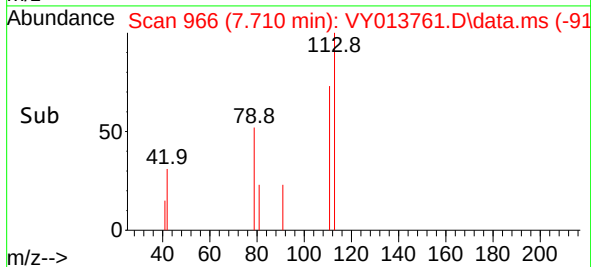
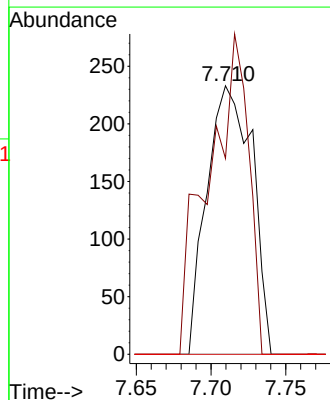
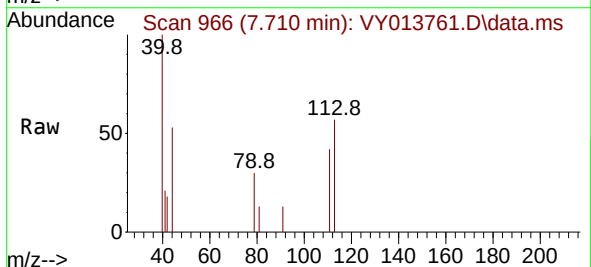
Tgt Ion:113 Resp: 491

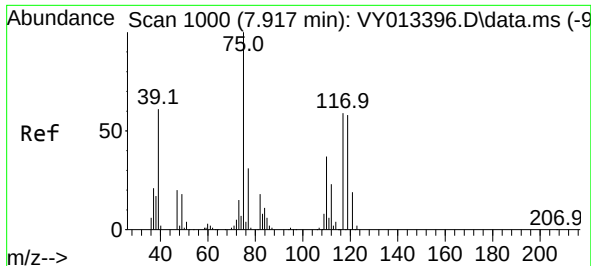
Ion Ratio Lower Upper

113 100

111 105.9 82.2 123.2

192 0.0 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 1.572 ug/l

RT: 7.905 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1639

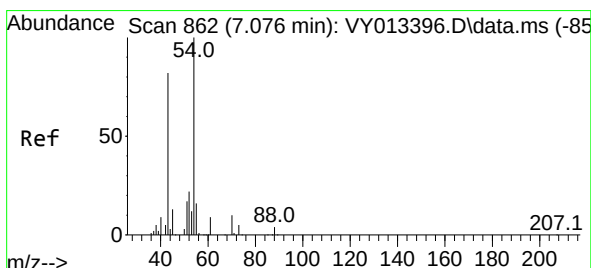
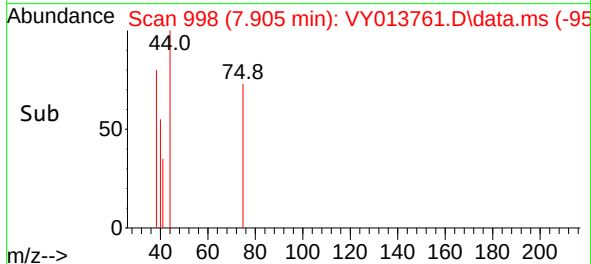
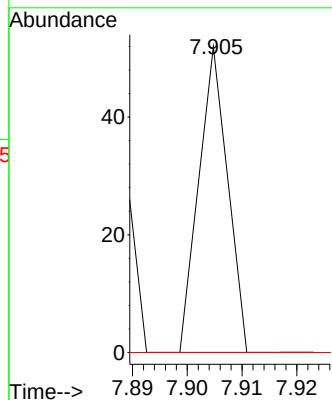
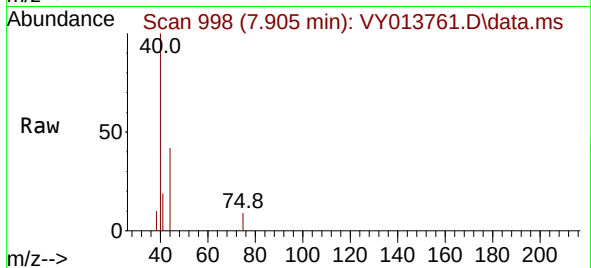
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

110 0.0 18.7 56.1#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 2.089 ug/l

RT: 7.045 min Scan# 857

Delta R.T. -0.024 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

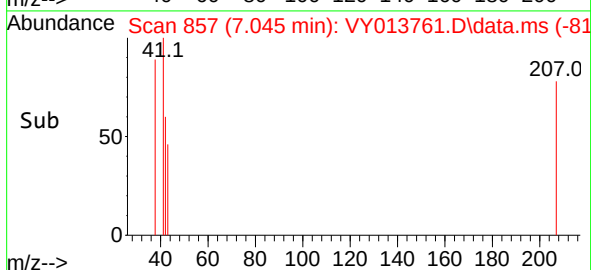
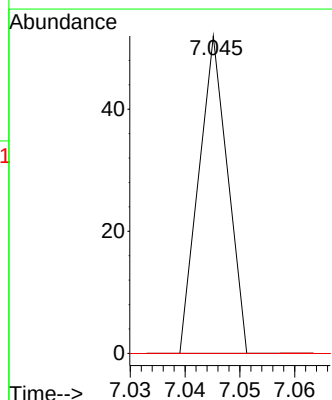
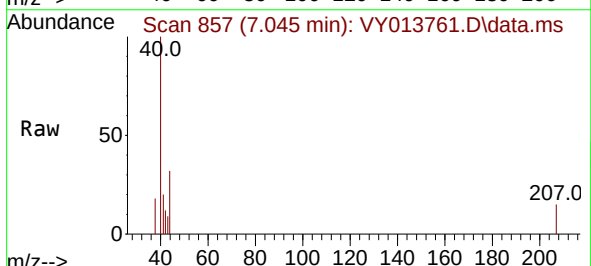
Tgt Ion: 43 Resp: 19

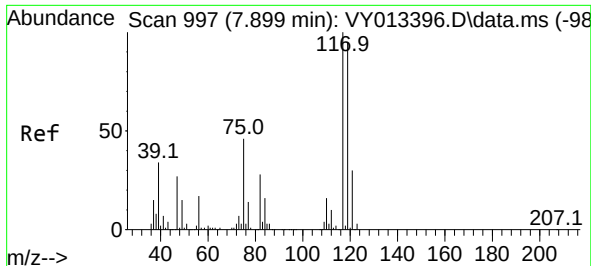
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 0.0 7.9 11.9#

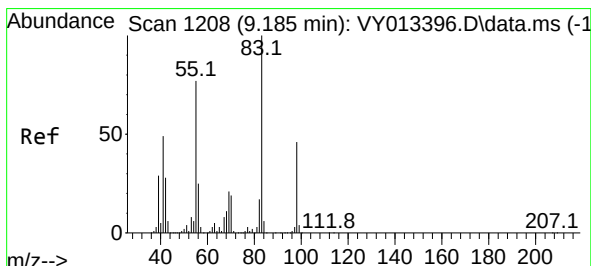
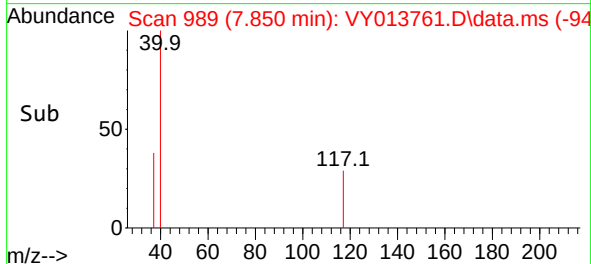
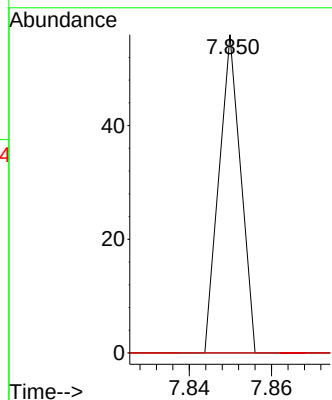
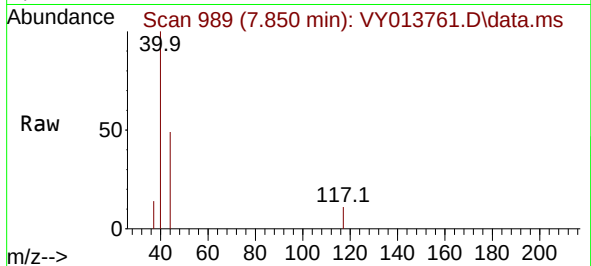




#38
Carbon Tetrachloride
Concen: 1.579 ug/l
RT: 7.850 min Scan# 91
Delta R.T. -0.049 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

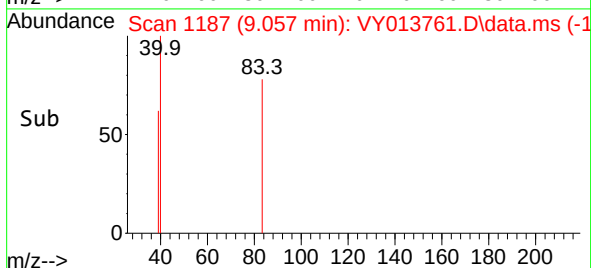
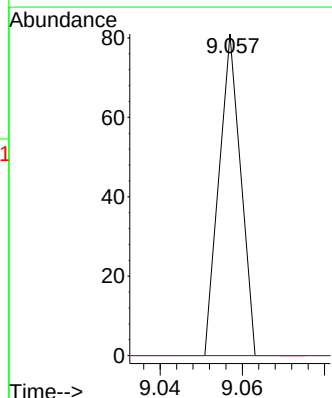
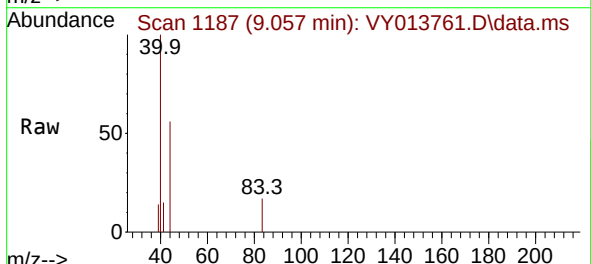
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

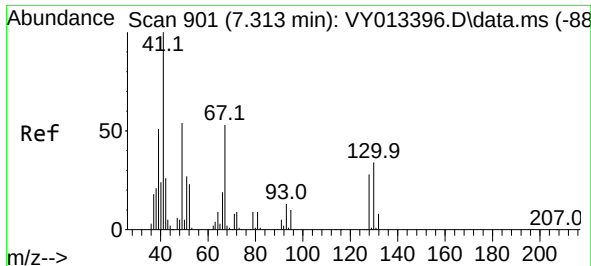
Tgt Ion: 117 Resp: 20
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#39
Methylcyclohexane
Concen: 2.105 ug/l
RT: 9.057 min Scan# 1187
Delta R.T. -0.122 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion: 83 Resp: 30
Ion Ratio Lower Upper
83 100
55 0.0 59.0 88.4#
98 0.0 37.0 55.4#

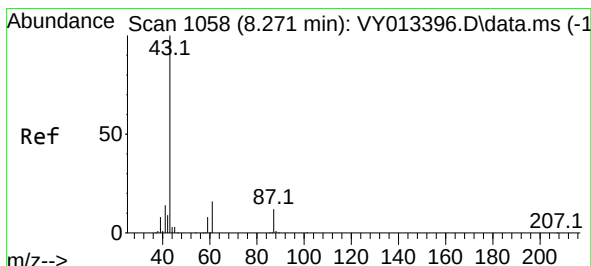
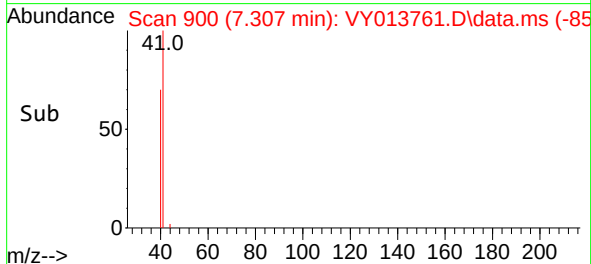
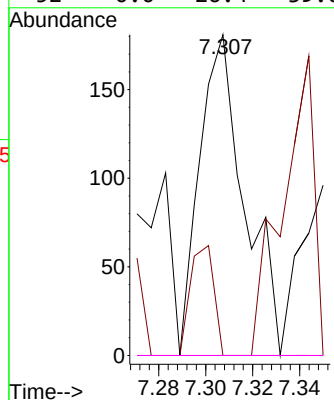
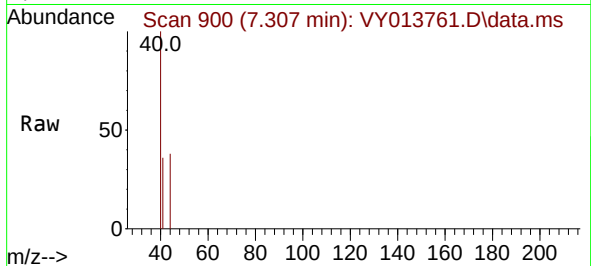




#41
Methacrylonitrile
Concen: 56.855 ug/l
RT: 7.307 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

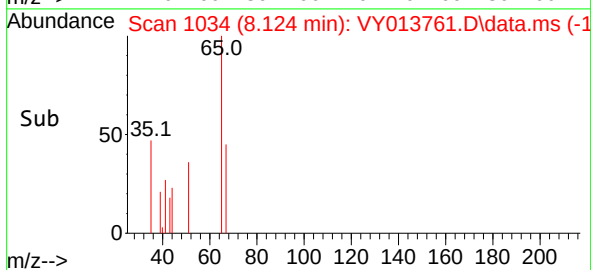
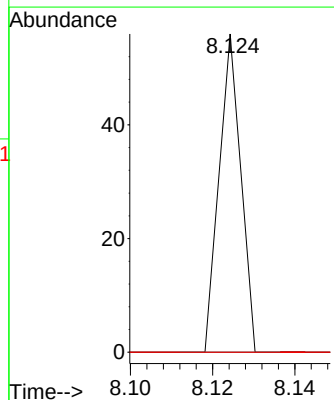
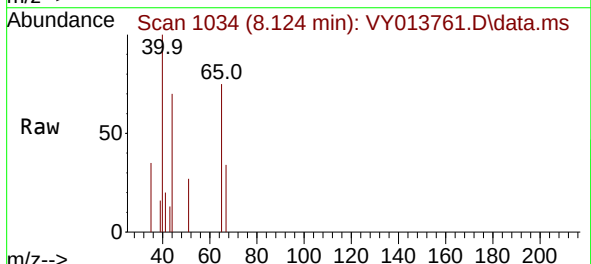
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

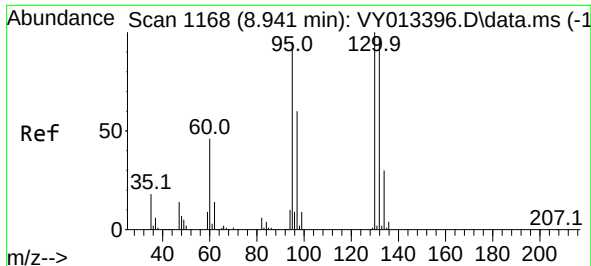
Tgt Ion:	41	Resp:	241
Ion	Ratio	Lower	Upper
41	100		
39	17.8	44.2	66.4#
67	0.0	62.9	94.3#
52	0.0	26.4	39.6#



#43
Isopropyl Acetate
Concen: 1.303 ug/l
RT: 8.124 min Scan# 1034
Delta R.T. -0.146 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion:	43	Resp:	20
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.2	33.4#
87	0.0	11.0	16.6#

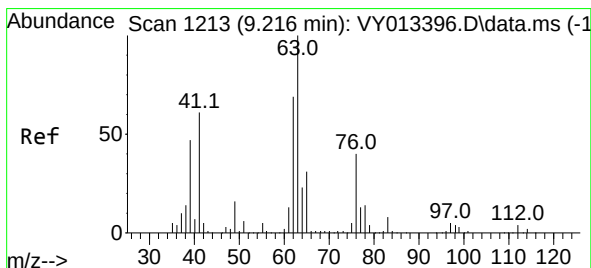
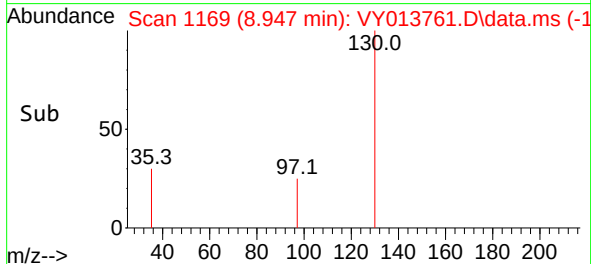
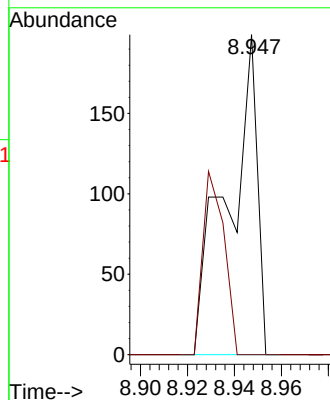
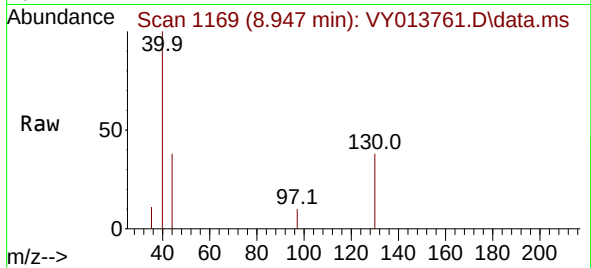




#44
Trichloroethene
Concen: 18.991 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.012 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

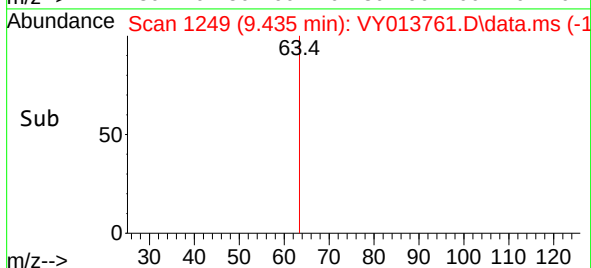
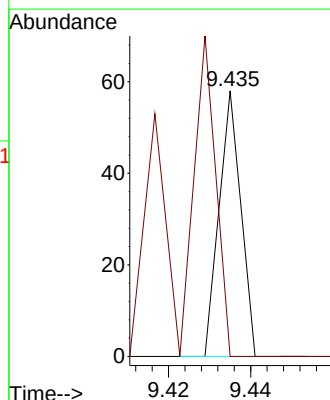
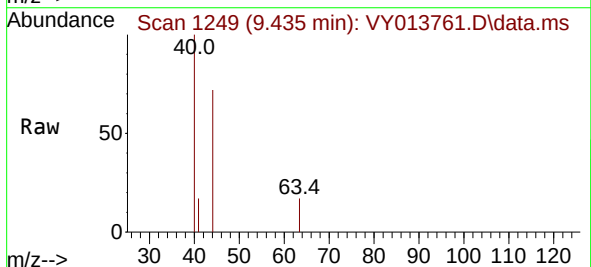
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

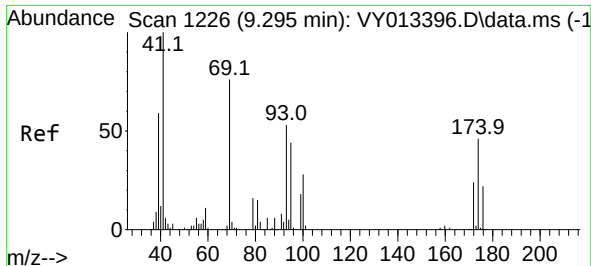
Tgt Ion:130 Resp: 172
Ion Ratio Lower Upper
130 100
95 0.0 0.0 188.8



#45
1,2-Dichloropropane
Concen: 2.359 ug/l
RT: 9.435 min Scan# 1249
Delta R.T. 0.220 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion: 63 Resp: 21
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 41.410 ug/l

RT: 9.258 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1639

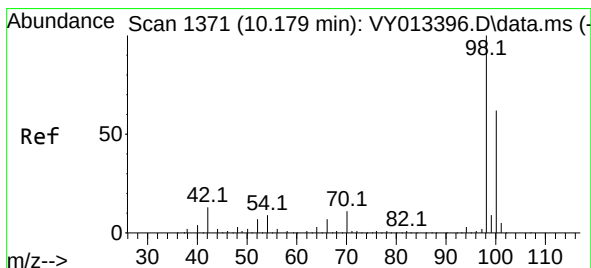
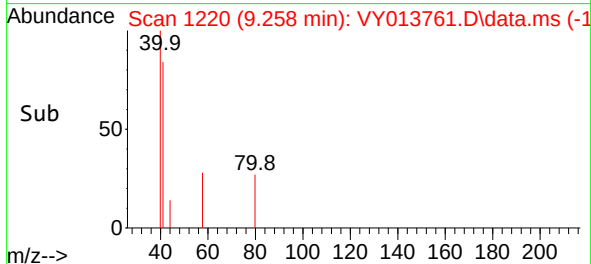
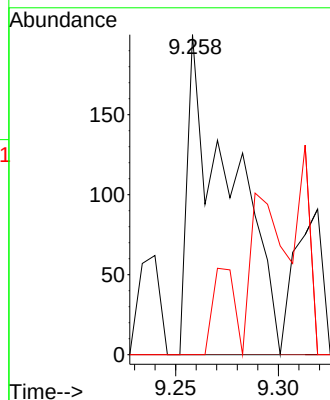
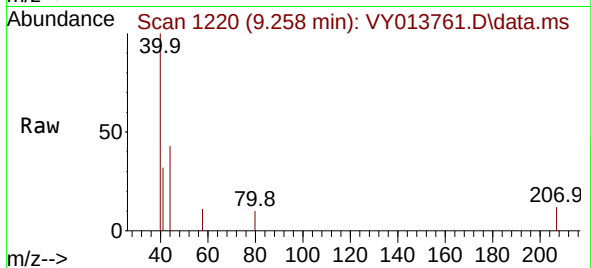
Tgt Ion: 41 Resp: 292

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

39 0.0 47.9 71.9#



#50

Toluene-d8

Concen: 50.136 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY013761.D

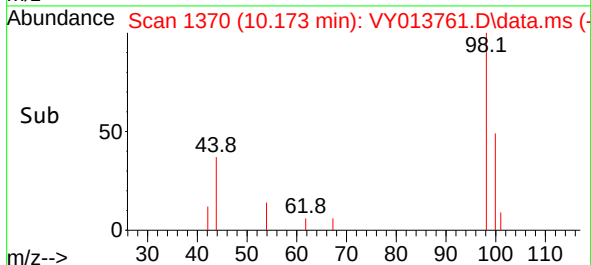
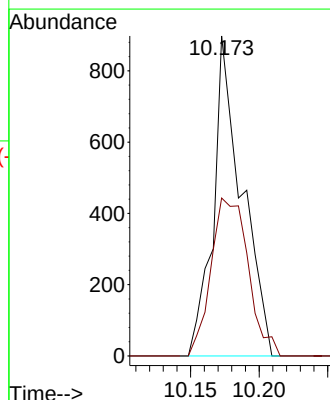
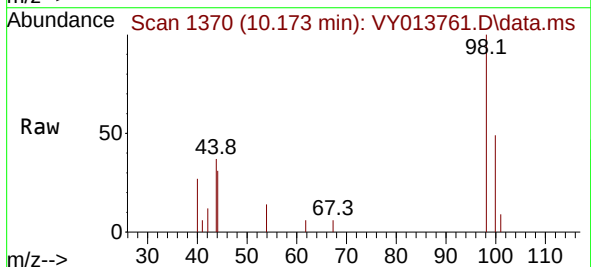
Acq: 16 May 2023 15:52

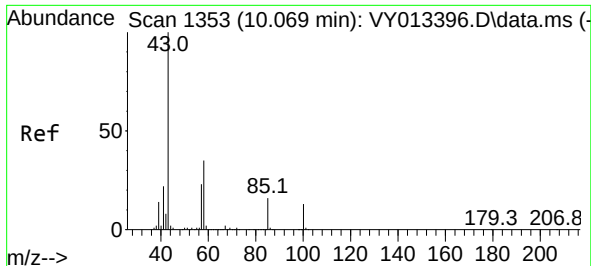
Tgt Ion: 98 Resp: 1299

Ion Ratio Lower Upper

98 100

100 64.1 50.5 75.7

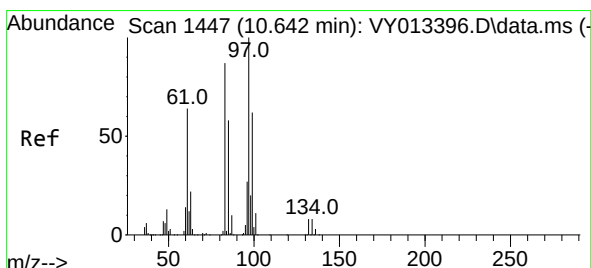
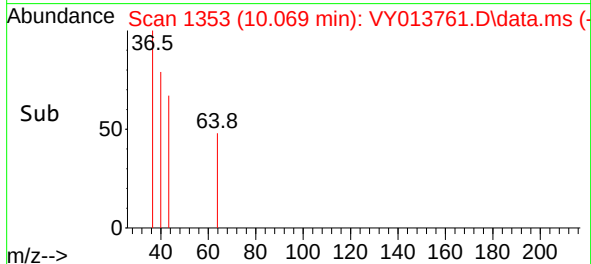
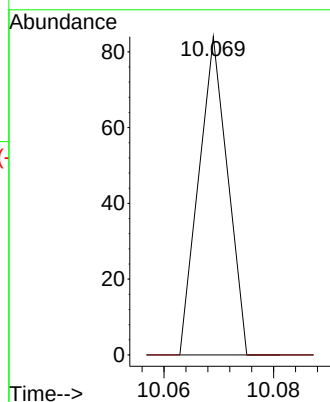
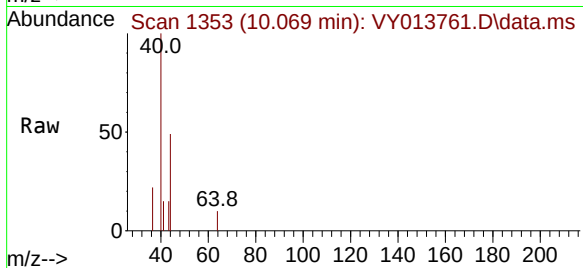




#51
4-Methyl-2-Pentanone
Concen: 3.623 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

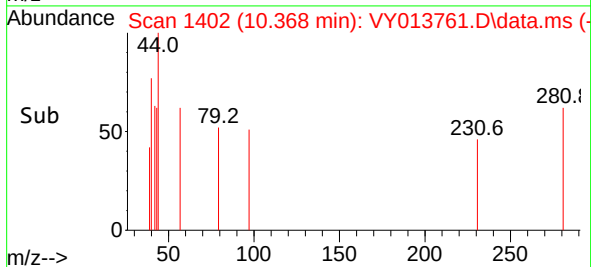
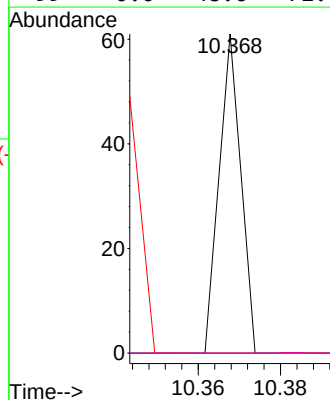
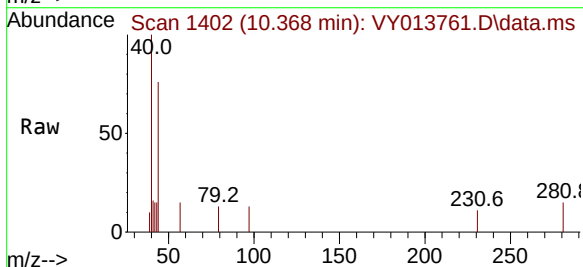
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

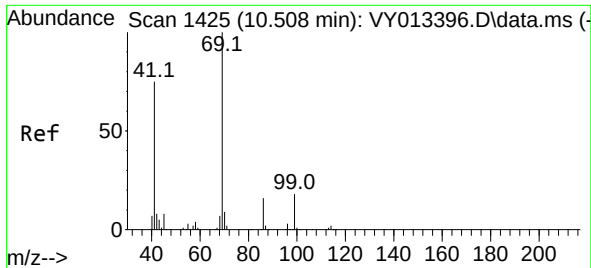
Tgt Ion: 43 Resp: 31
Ion Ratio Lower Upper
43 100
58 0.0 30.6 46.0#



#55
1,1,2-Trichloroethane
Concen: 3.119 ug/l
RT: 10.368 min Scan# 1402
Delta R.T. -0.274 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion: 97 Resp: 22
Ion Ratio Lower Upper
97 100
83 0.0 66.4 99.6#
85 0.0 45.6 68.4#
99 0.0 48.6 72.8#

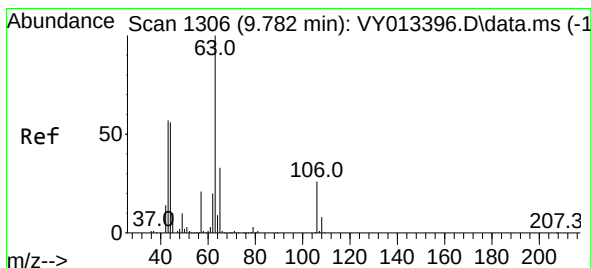
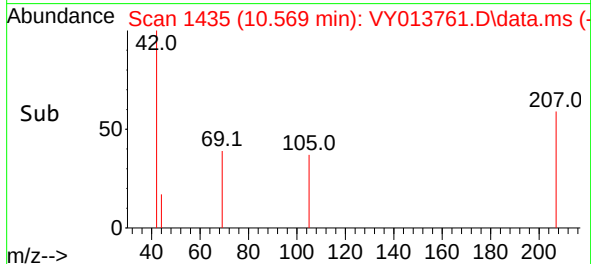
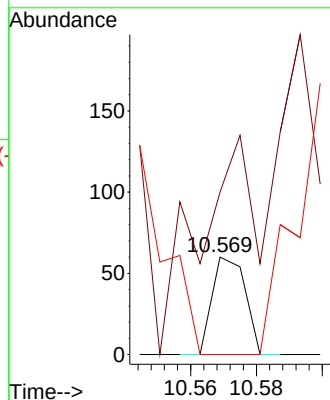
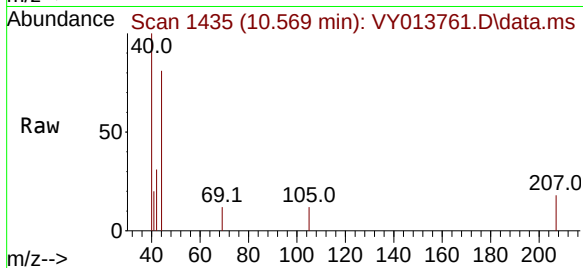




#56
Ethyl methacrylate
Concen: 4.292 ug/l
RT: 10.569 min Scan# 1425
Delta R.T. 0.061 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

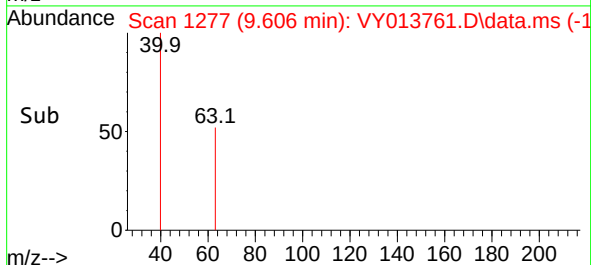
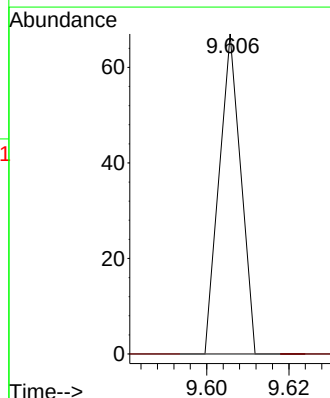
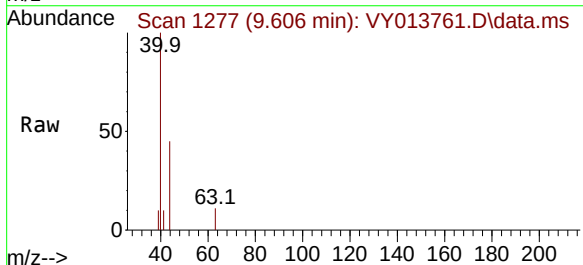
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

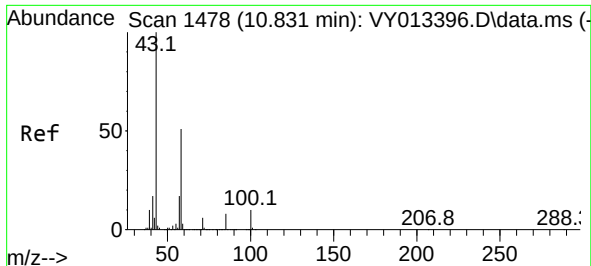
Tgt Ion: 69 Resp: 42
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 29.0 43.6#



#58
2-Chloroethyl Vinyl ether
Concen: 6.812 ug/l
RT: 9.606 min Scan# 1277
Delta R.T. -0.176 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

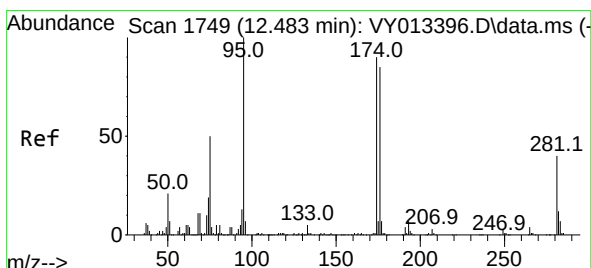
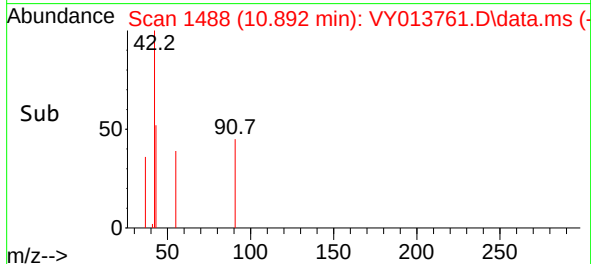
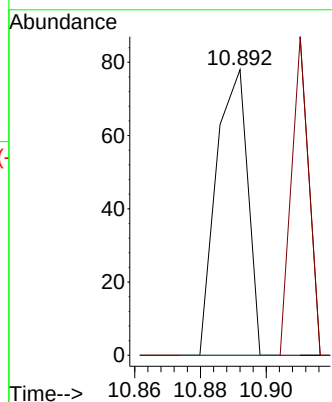
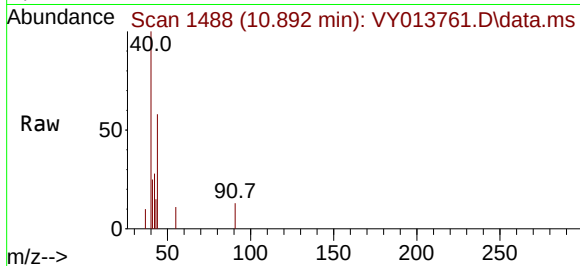




#59
2-Hexanone
Concen: 8.361 ug/l
RT: 10.892 min Scan# 1478
Delta R.T. 0.061 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

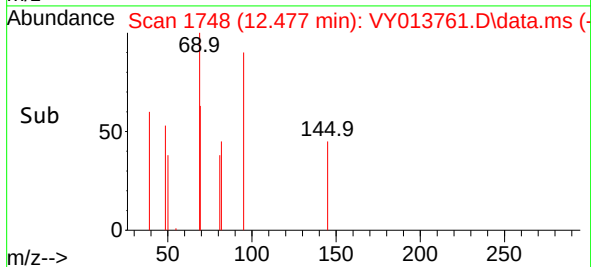
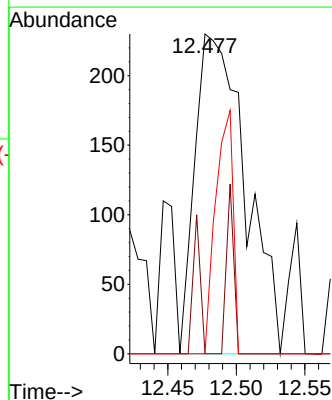
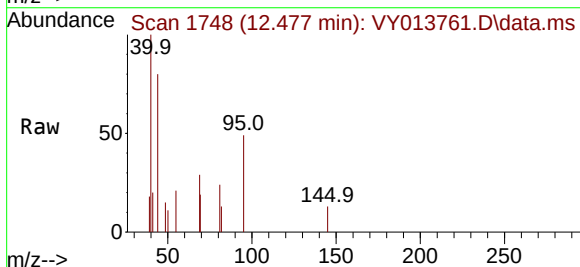
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

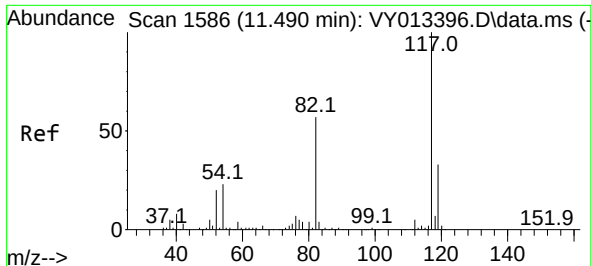
Tgt Ion: 43 Resp: 52
Ion Ratio Lower Upper
43 100
58 61.5 26.3 78.8



#62
4-Bromofluorobenzene
Concen: 67.661 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion: 95 Resp: 591
Ion Ratio Lower Upper
95 100
174 6.3 0.0 182.0
176 0.0 0.0 175.4

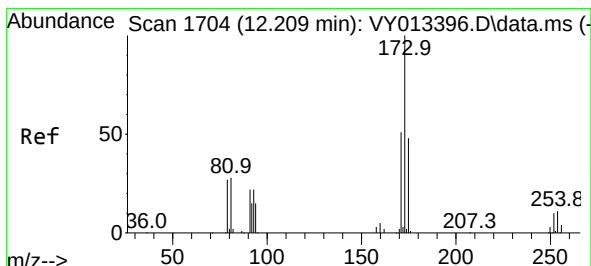
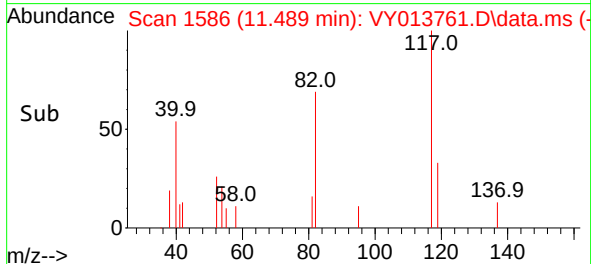
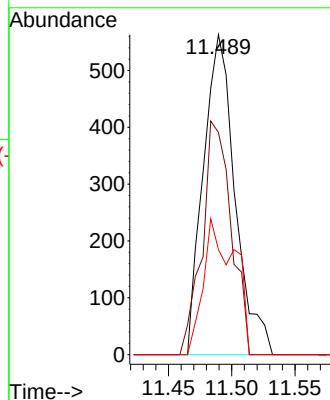
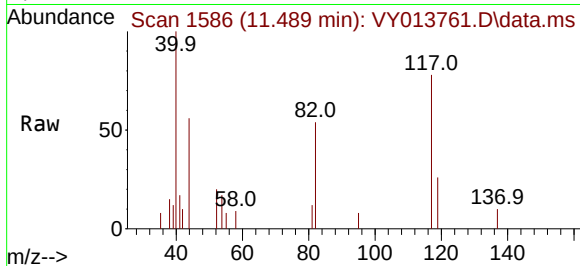




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

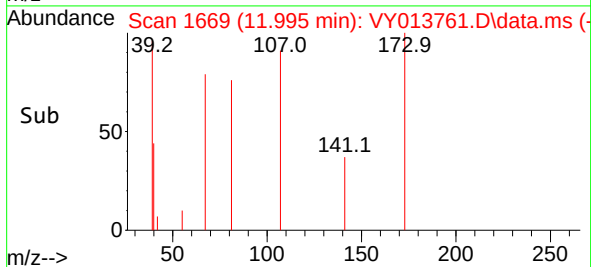
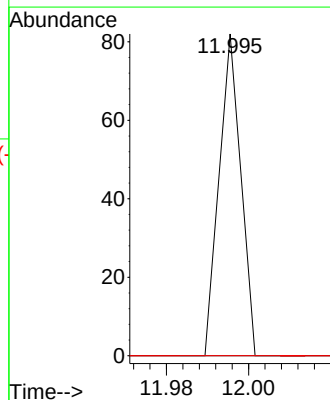
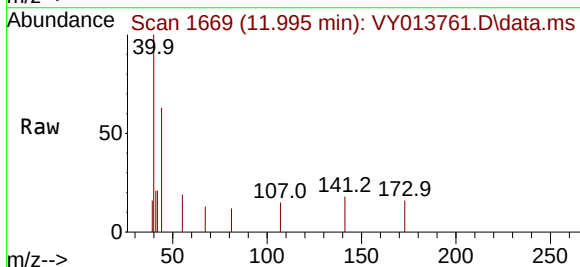
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

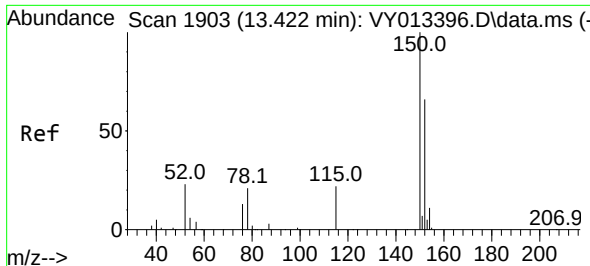
Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.4	43.0	64.6#
119	32.9	25.5	38.3



#71
Bromoform
Concen: 5.343 ug/l
RT: 11.995 min Scan# 1669
Delta R.T. -0.214 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.3	72.8#
254	0.0	0.2	0.2#

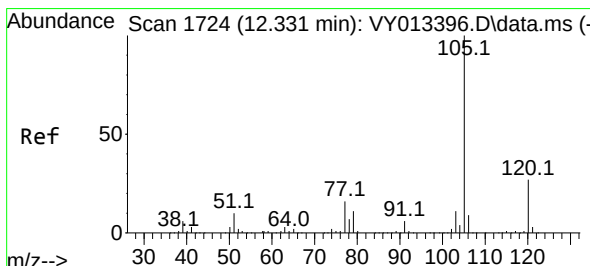
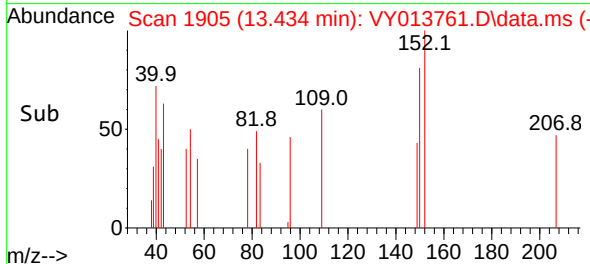
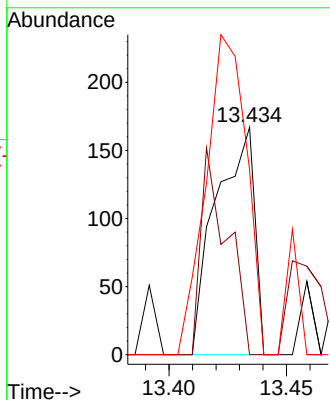
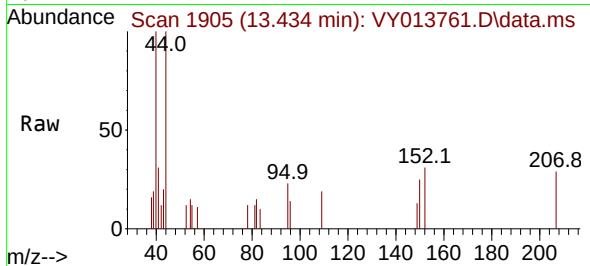




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.012 min
 Lab File: VY013761.D
 Acq: 16 May 2023 15:52

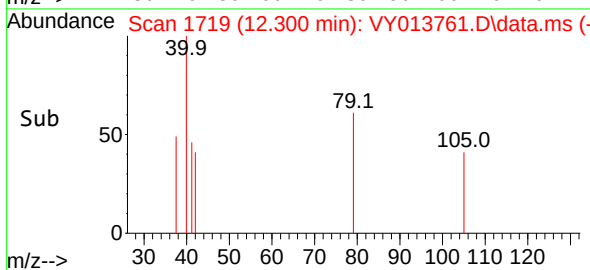
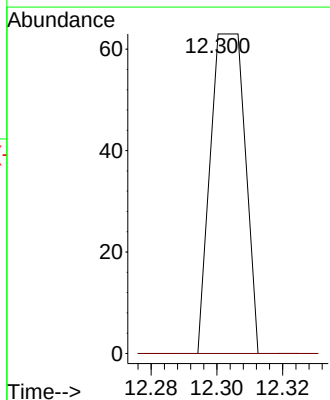
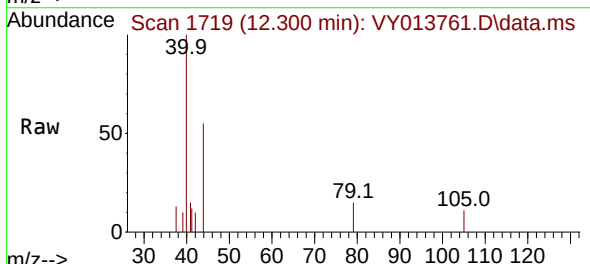
Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1639

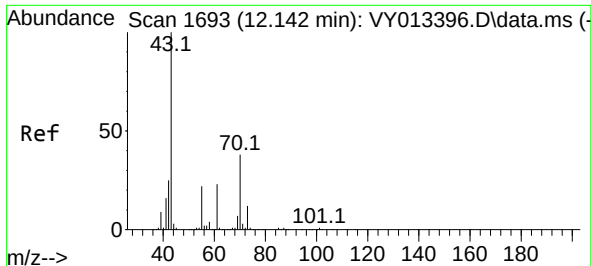
Tgt Ion	Ratio	Lower	Upper
152	100		
115	35.3	28.1	84.2
150	17.9	0.0	352.0



#73
 Isopropylbenzene
 Concen: 3.201 ug/l
 RT: 12.300 min Scan# 1719
 Delta R.T. -0.031 min
 Lab File: VY013761.D
 Acq: 16 May 2023 15:52

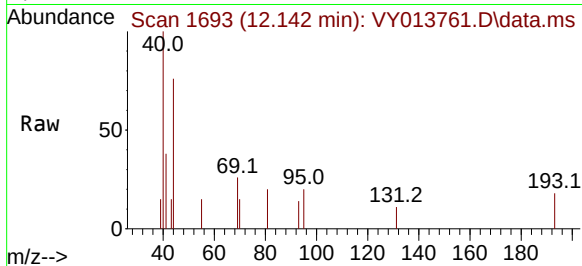
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.7	41.0



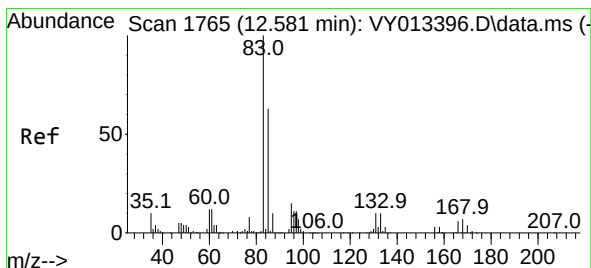
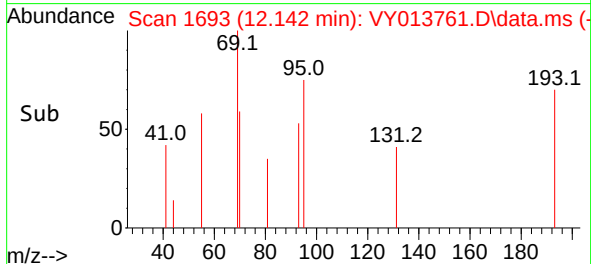
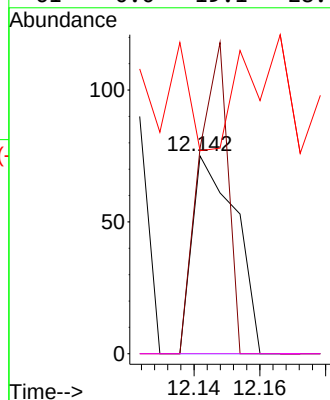


#74
N-amy1 acetate
Concen: 13.492 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

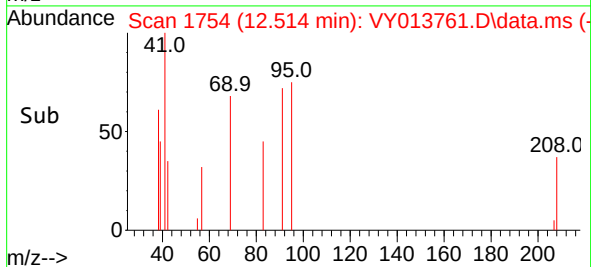
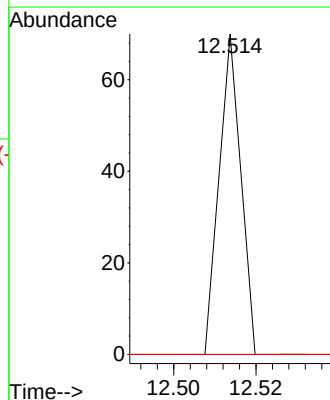
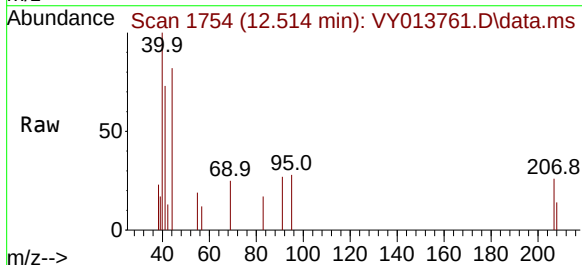


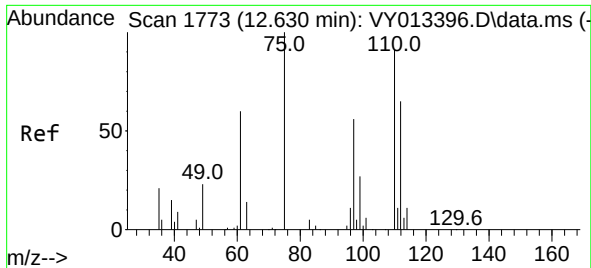
Tgt Ion:	43	Resp:	69
Ion	Ratio	Lower	Upper
43	100		
70	104.3	33.0	49.4#
55	0.0	19.8	29.6#
61	0.0	19.1	28.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 7.402 ug/l
RT: 12.514 min Scan# 1754
Delta R.T. -0.067 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion:	83	Resp:	26
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.7	17.0#
85	0.0	31.8	95.4#

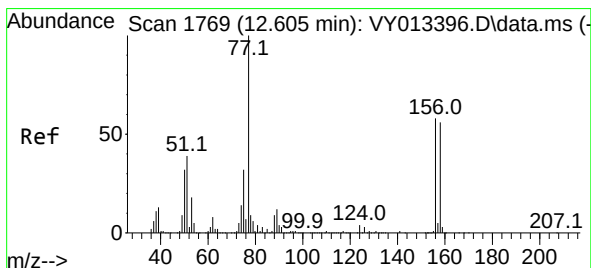
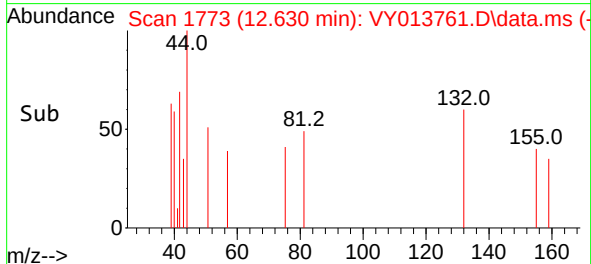
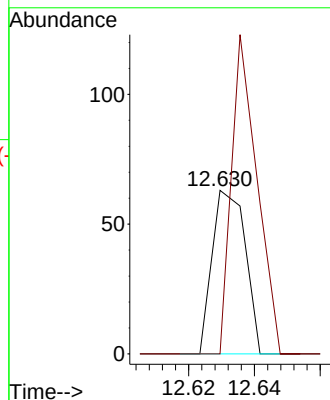
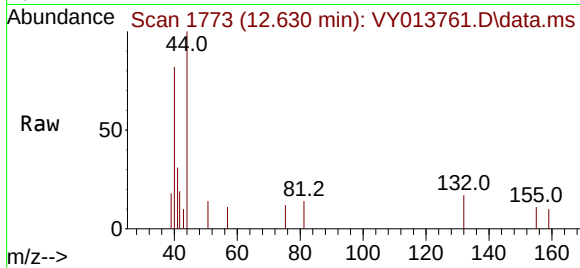




#76
1,2,3-Trichloropropane
Concen: 17.172 ug/l
RT: 12.630 min Scan# 1773
Delta R.T. 0.001 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

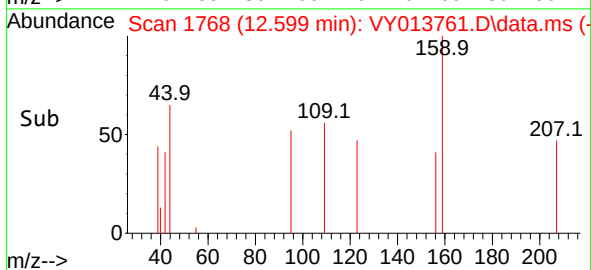
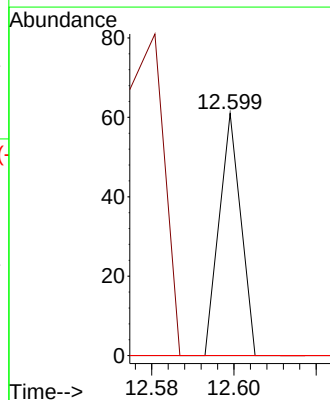
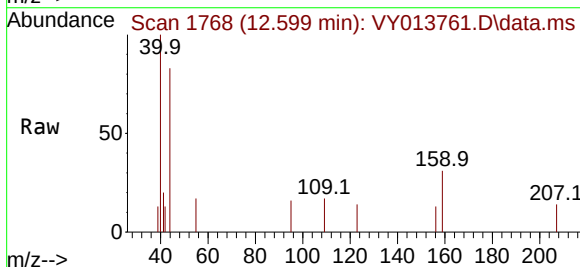
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

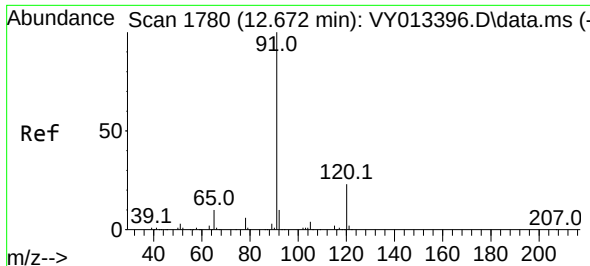
Tgt Ion: 75 Resp: 44
Ion Ratio Lower Upper
75 100
77 150.0 0.0 0.0#



#77
Bromobenzene
Concen: 6.318 ug/l
RT: 12.599 min Scan# 1768
Delta R.T. -0.012 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion: 156 Resp: 22
Ion Ratio Lower Upper
156 100
77 245.5 87.6 262.9
158 0.0 48.5 145.5#

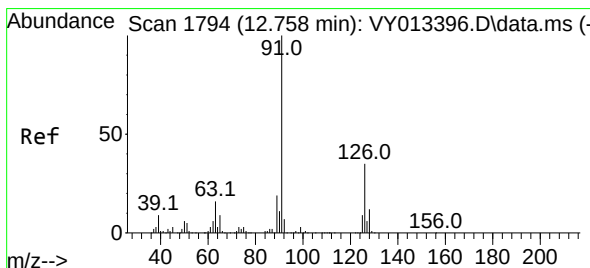
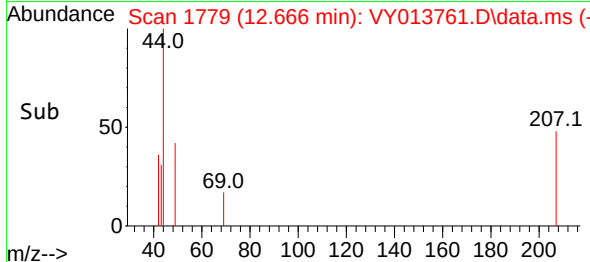
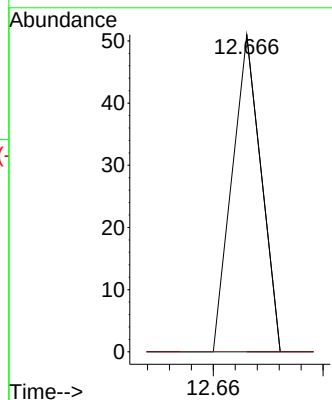
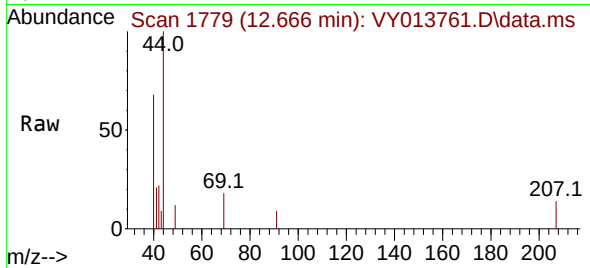




#78
n-propylbenzene
Concen: 1.073 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

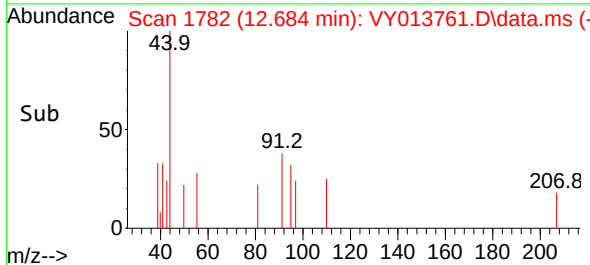
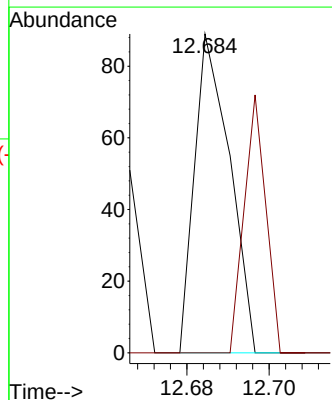
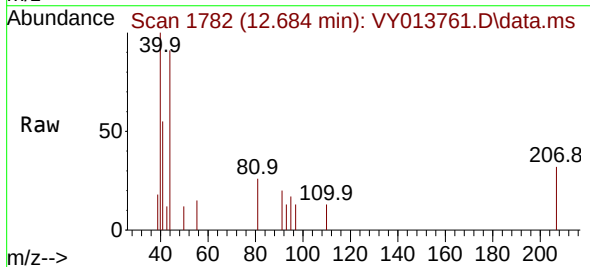
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

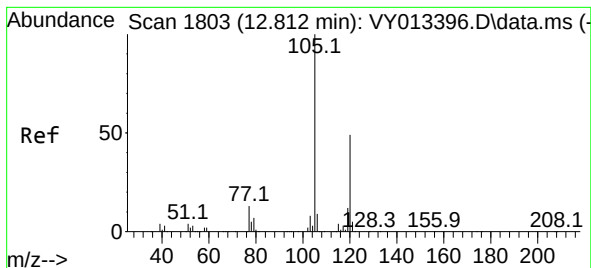
Tgt Ion: 91 Resp: 19
Ion Ratio Lower Upper
91 100
120 0.0 11.9 35.9#



#79
2-Chlorotoluene
Concen: 5.362 ug/l
RT: 12.684 min Scan# 1782
Delta R.T. -0.073 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

Tgt Ion: 91 Resp: 53
Ion Ratio Lower Upper
91 100
126 49.1 17.8 53.4





#80

1,3,5-Trimethylbenzene

Concen: 4.519 ug/l

RT: 13.081 min Scan# 11

Delta R.T. 0.269 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

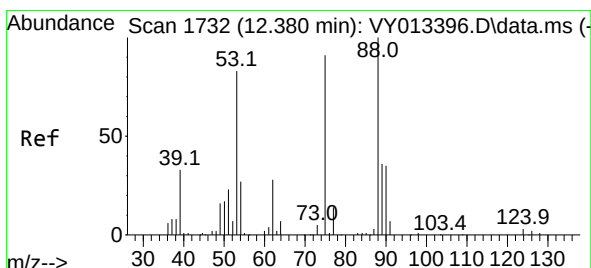
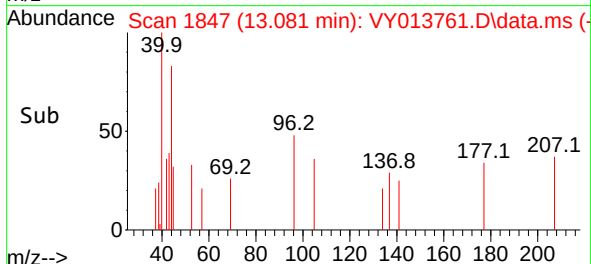
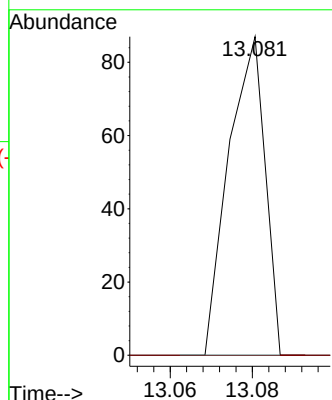
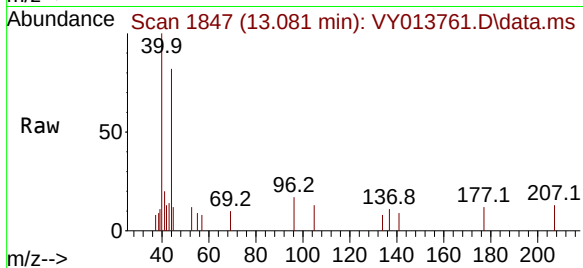
ORA-1639

Tgt Ion:105 Resp: 53

Ion Ratio Lower Upper

105 100

120 0.0 24.7 74.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 15.168 ug/l

RT: 12.319 min Scan# 1722

Delta R.T. -0.060 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

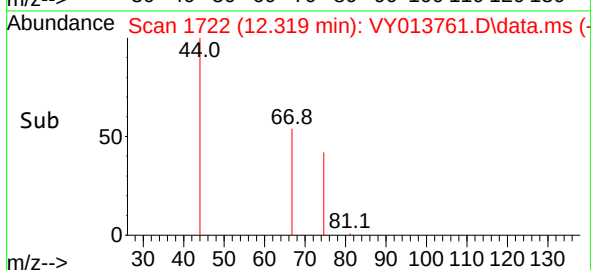
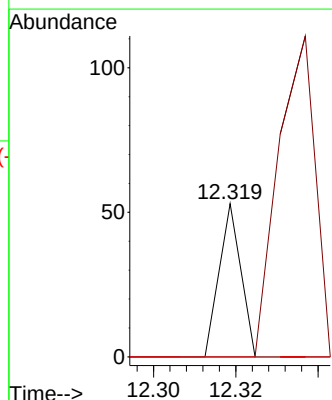
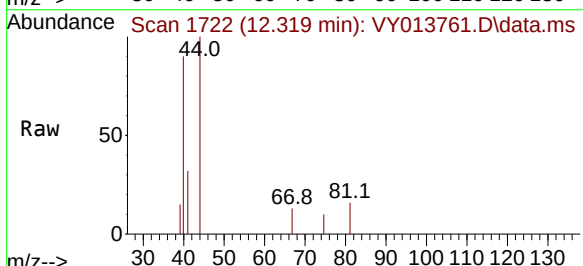
Tgt Ion: 75 Resp: 19

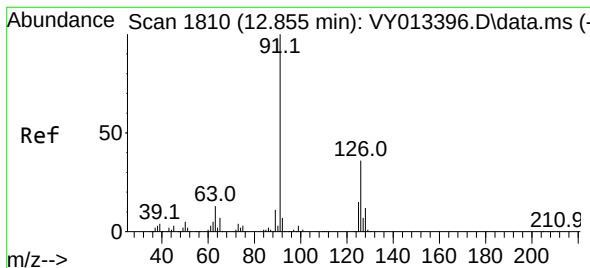
Ion Ratio Lower Upper

75 100

53 363.2 73.2 109.8#

89 0.0 38.0 57.0#





#82

4-Chlorotoluene

Concen: 5.144 ug/l

RT: 12.684 min Scan# 11

Delta R.T. -0.171 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

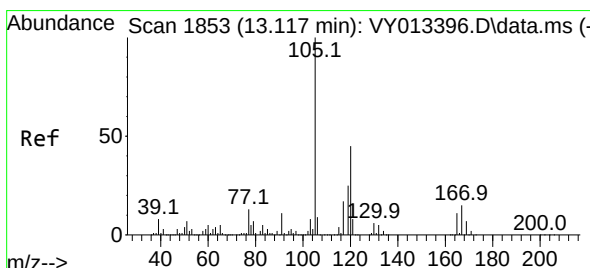
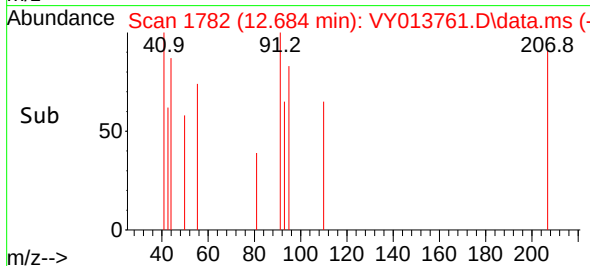
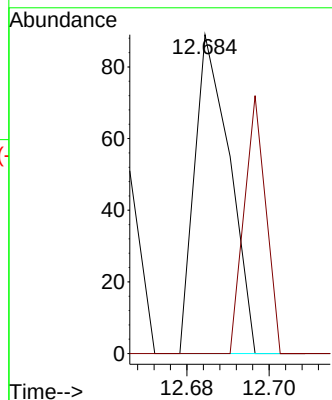
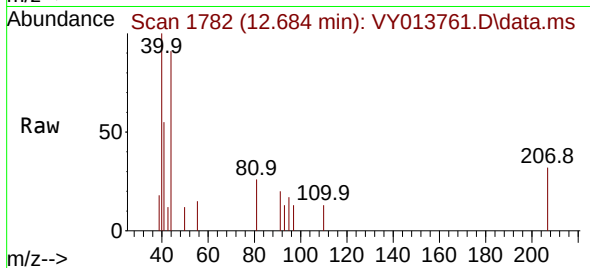
ORA-1639

Tgt Ion: 91 Resp: 53

Ion Ratio Lower Upper

91 100

126 49.1 17.9 53.8



#84

1,2,4-Trimethylbenzene

Concen: 2.280 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013761.D

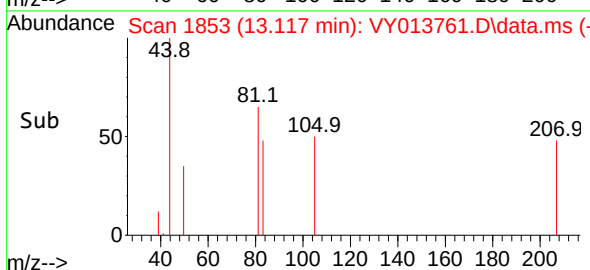
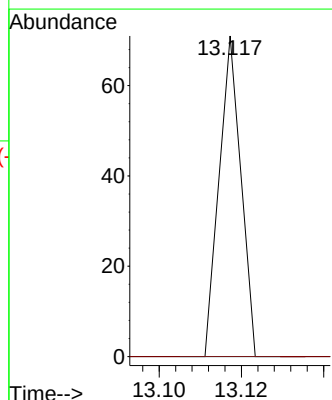
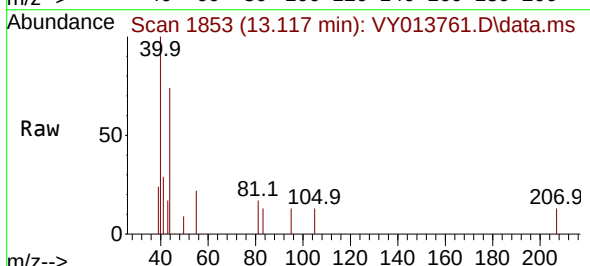
Acq: 16 May 2023 15:52

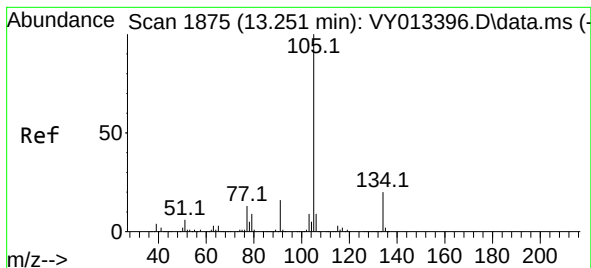
Tgt Ion: 105 Resp: 26

Ion Ratio Lower Upper

105 100

120 0.0 22.3 66.9#





#85

sec-Butylbenzene

Concen: 3.147 ug/l

RT: 13.282 min Scan# 1880

Delta R.T. 0.031 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

Instrument :

MSVOA_Y

ClientSampleId :

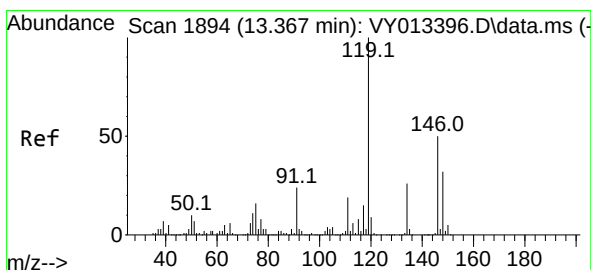
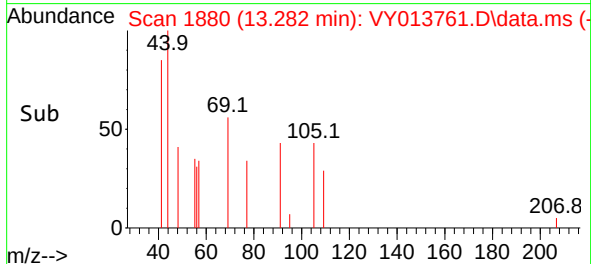
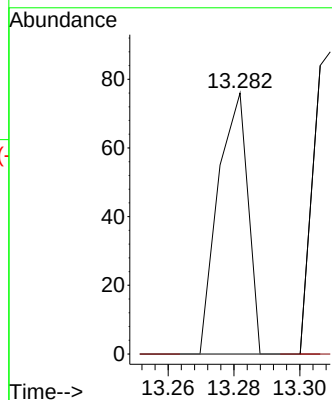
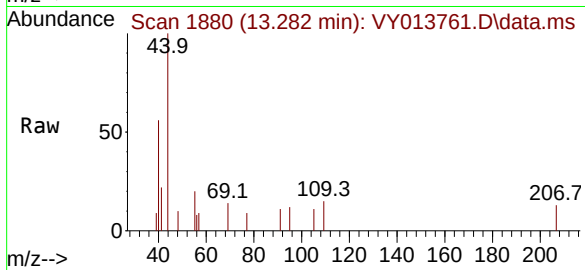
ORA-1639

Tgt Ion:105 Resp: 48

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.9#



#86

p-Isopropyltoluene

Concen: 1.549 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

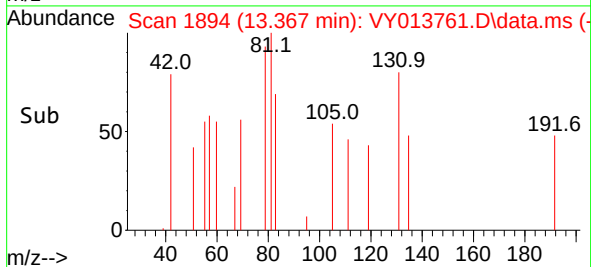
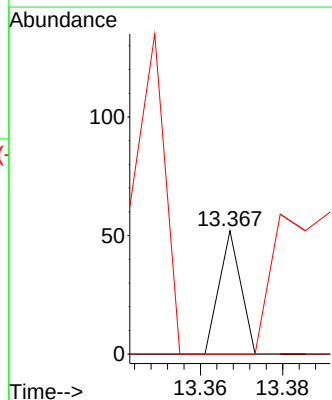
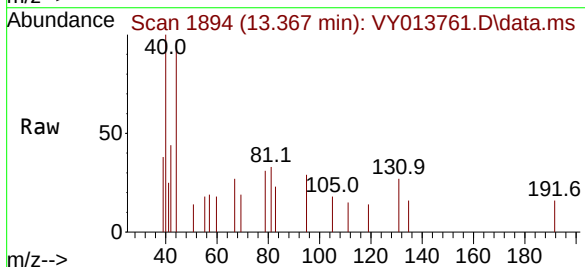
Tgt Ion:119 Resp: 19

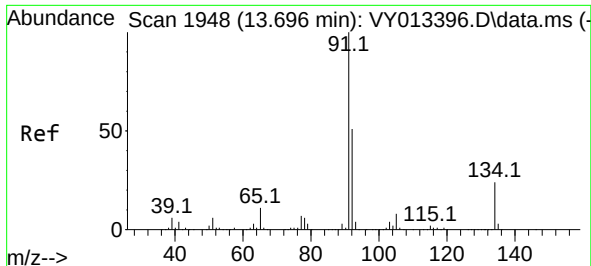
Ion Ratio Lower Upper

119 100

134 0.0 13.4 40.2#

91 378.9 12.1 36.3#





#89

n-Butylbenzene

Concen: 9.189 ug/l

RT: 13.684 min Scan# 1946

Delta R.T. -0.012 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

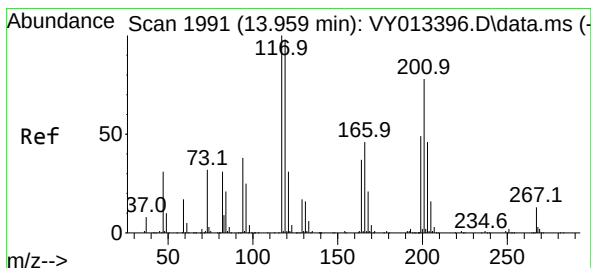
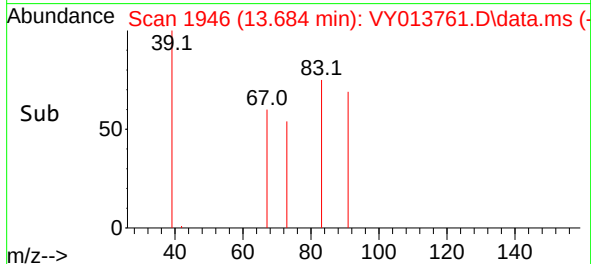
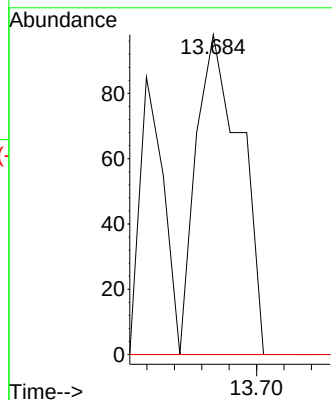
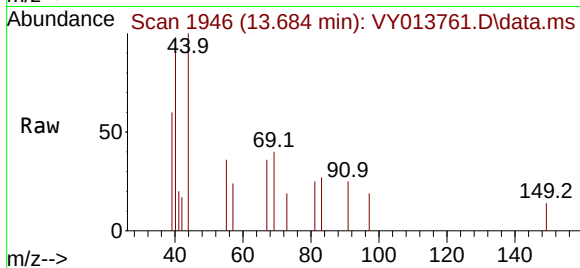
Instrument :

MSVOA_Y

ClientSampleId :

ORA-1639

Tgt Ion: 91	Resp:	110
Ion Ratio	Lower	Upper
91	100	
92	0.0	25.8 77.3#
134	0.0	13.5 40.4#



#90

Hexachloroethane

Concen: 13.559 ug/l

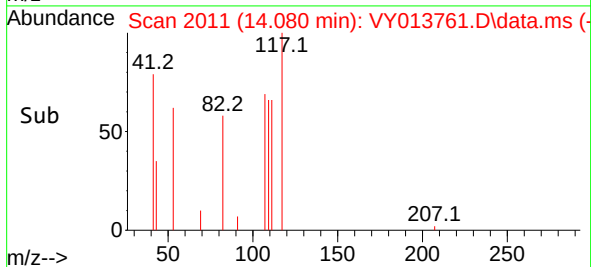
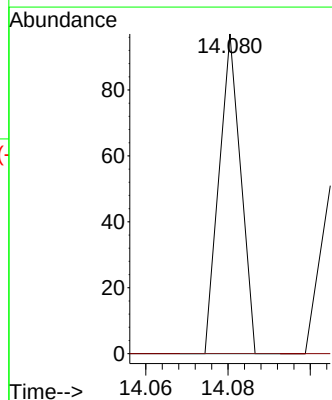
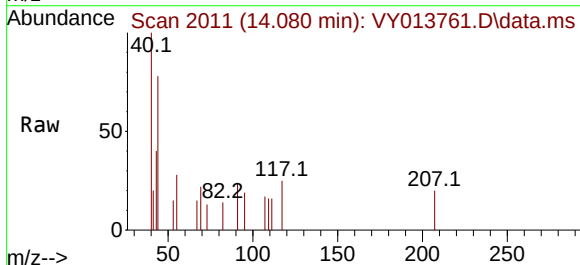
RT: 14.080 min Scan# 2011

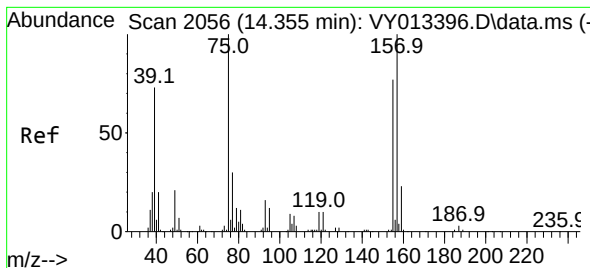
Delta R.T. 0.122 min

Lab File: VY013761.D

Acq: 16 May 2023 15:52

Tgt Ion: 117	Resp:	35
Ion Ratio	Lower	Upper
117	100	
201	0.0	41.6 124.8#

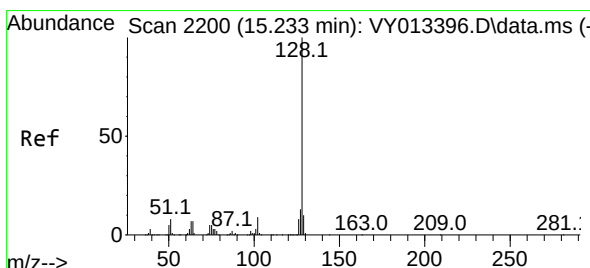
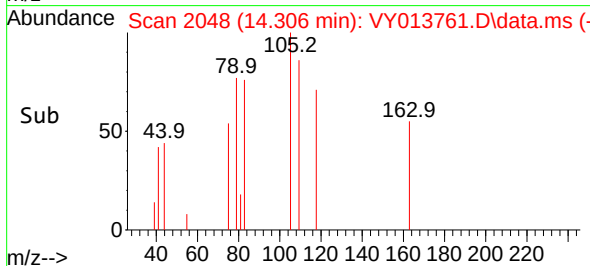
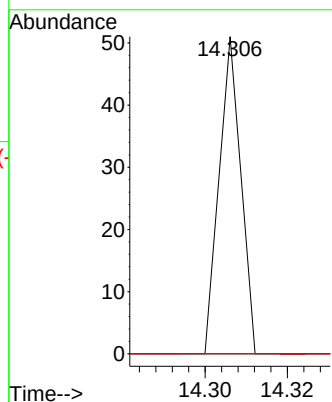
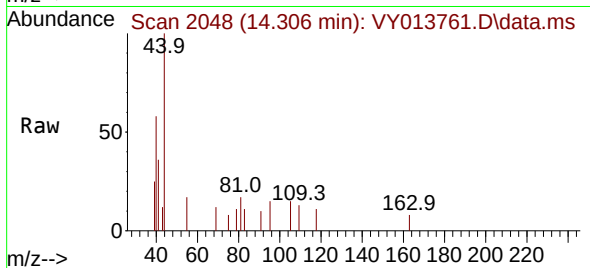




#92
1,2-Dibromo-3-Chloropropane
Concen: 30.627 ug/l
RT: 14.306 min Scan# 2056
Delta R.T. -0.049 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

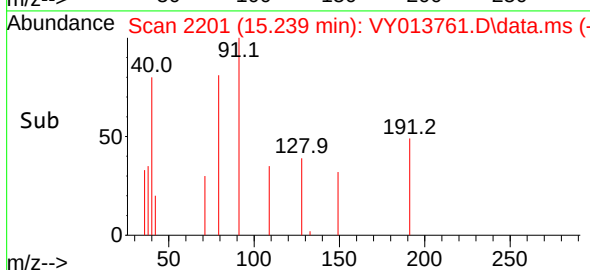
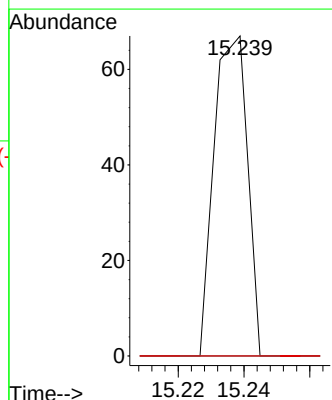
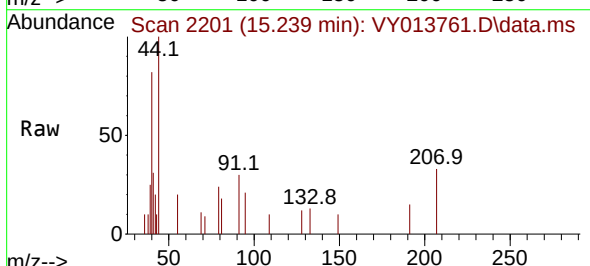
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1639

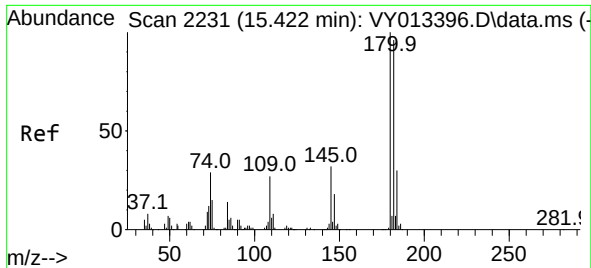
Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
155 0.0 44.6 134.0#
157 0.0 57.6 172.7#



#95
Naphthalene
Concen: 6.065 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY013761.D
Acq: 16 May 2023 15:52

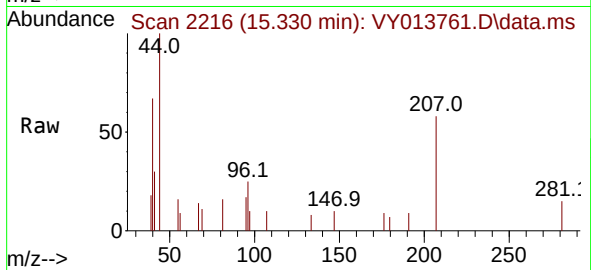
Tgt Ion: 128 Resp: 47
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 5.968 ug/l
 RT: 15.330 min Scan# 21
 Delta R.T. -0.092 min
 Lab File: VY013761.D
 Acq: 16 May 2023 15:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1639



Tgt Ion:180 Resp: 19
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.1 141.3#
 145 0.0 15.9 47.7#

