

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
 Data File : VY020628.D
 Acq On : 18 Dec 2024 12:05
 Operator : SY/MD
 Sample : P5227-01
 Misc : 4.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1A

Quant Time: Dec 18 14:21:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	159	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	1573	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	354	203.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 406.580%#	
35) Dibromofluoromethane	7.628	113	129	21.842	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 43.680%#	
50) Toluene-d8	10.103	98	1053	50.939	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	12.408	95	1050	129.850	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 259.700%#	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.867	85	41	20.645	ug/l	# 41
3) Chloromethane	2.062	50	97	65.919	ug/l	# 41
4) Vinyl Chloride	2.428	62	22	16.063	ug/l	# 43
5) Bromomethane	2.617	94	65	73.831	ug/l	# 3
10) Methyl Iodide	4.001	142	39	17.053	ug/l	# 14
11) Tert butyl alcohol	4.842	59	167	Below Cal		# 75
14) Allyl chloride	4.360	41	46	13.171	ug/l	# 24
15) Acrylonitrile	5.068	53	49	101.909	ug/l	# 1
16) Acetone	3.873	43	1627	4820.653	ug/l	98
17) Carbon Disulfide	4.104	76	132	20.346	ug/l	# 75
18) Methyl Acetate	4.110	43	124	104.659	ug/l	# 51
19) Methyl tert-butyl Ether	5.141	73	30	5.832	ug/l	# 52
20) Methylene Chloride	4.616	84	2395	1106.171	ug/l	92
23) Vinyl Acetate	5.964	43	173	43.088	ug/l	# 73
25) 2-Butanone	6.890	43	439	678.352	ug/l	# 49
26) 2,2-Dichloropropane	6.872	77	399	101.631	ug/l	# 54
27) cis-1,2-Dichloroethene	6.903	96	45	17.494	ug/l	# 1
28) Bromochloromethane	7.439	49	149	106.366	ug/l	# 15
29) Tetrahydrofuran	7.268	42	282	690.268	ug/l	# 49
30) Chloroform	7.421	83	1859	492.672	ug/l	92
36) 1,1-Dichloropropene	7.829	75	44	4.086	ug/l	# 42
37) Ethyl Acetate	6.988	43	198	39.087	ug/l	# 69
38) Carbon Tetrachloride	8.037	117	172	14.436	ug/l	# 11
40) Benzene	8.067	78	328	10.391	ug/l	# 50
41) Methacrylonitrile	7.183	41	26	9.708	ug/l	# 19
43) Isopropyl Acetate	8.030	43	614	64.023	ug/l	# 17
47) Bromodichloromethane	9.427	83	21	1.994	ug/l	# 24
48) Methyl methacrylate	9.231	41	44	9.651	ug/l	# 14
51) 4-Methyl-2-Pentanone	9.993	43	562	111.021	ug/l	# 72
52) Toluene	10.176	92	247	12.591	ug/l	84
53) t-1,3-Dichloropropene	10.390	75	74	7.541	ug/l	# 43
54) cis-1,3-Dichloropropene	9.853	75	92	7.911	ug/l	# 36
55) 1,1,2-Trichloroethane	10.500	97	64	12.415	ug/l	# 14
56) Ethyl methacrylate	10.311	69	19	2.541	ug/l	# 1
57) 1,3-Dichloropropane	10.871	76	23	2.503	ug/l	# 42
59) 2-Hexanone	10.762	43	234	71.998	ug/l	# 24

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

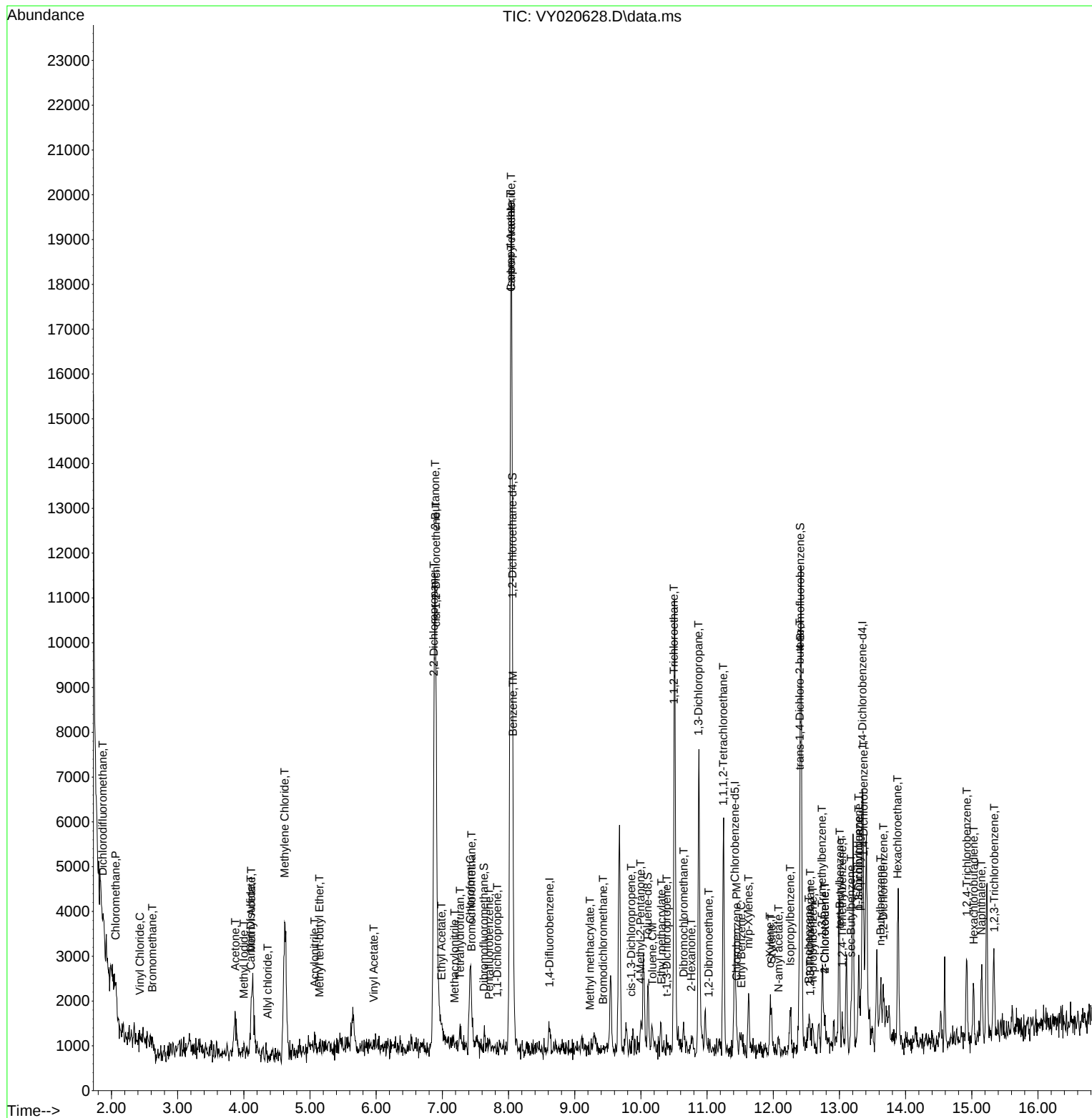
60) Dibromochloromethane	10.646	129	53	7.688	ug/l #	11
61) 1,2-Dibromoethane	11.024	107	21	4.380	ug/l #	3
65) Chlorobenzene	11.444	112	361	8.472	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	11.243	131	79	5.422	ug/l #	1
67) Ethyl Benzene	11.518	91	541	6.882	ug/l #	45
68) m/p-Xylenes	11.627	106	440	15.053	ug/l	86
69) o-Xylene	11.950	106	239	8.763	ug/l	94
70) Styrene	11.975	104	463	10.161	ug/l	92
73) Isopropylbenzene	12.255	105	452	3.293	ug/l #	49
74) N-amyl acetate	12.079	43	214	6.661	ug/l #	61
76) 1,2,3-Trichloropropane	12.560	75	158	9.669	ug/l #	100
77) Bromobenzene	12.536	156	191	6.388	ug/l	84
78) n-propylbenzene	12.597	91	684	4.136	ug/l	88
79) 2-Chlorotoluene	12.780	91	576	6.190	ug/l	84
80) 1,3,5-Trimethylbenzene	12.737	105	497	4.462	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.402	75	614	78.873	ug/l #	12
82) 4-Chlorotoluene	12.780	91	576	5.967	ug/l	84
83) tert-Butylbenzene	13.005	119	483	4.788	ug/l	90
84) 1,2,4-Trimethylbenzene	13.042	105	553	5.062	ug/l	100
85) sec-Butylbenzene	13.176	105	683	4.657	ug/l #	77
86) p-Isopropyltoluene	13.292	119	611	5.053	ug/l	90
87) 1,3-Dichlorobenzene	13.292	146	677	11.470	ug/l	85
88) 1,4-Dichlorobenzene	13.365	146	661	11.307	ug/l	81
89) n-Butylbenzene	13.621	91	813	7.094	ug/l	94
90) Hexachloroethane	13.877	117	90	3.756	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	580	11.341	ug/l	87
93) 1,2,4-Trichlorobenzene	14.926	180	803	25.958	ug/l	92
94) Hexachlorobutadiene	15.029	225	373	18.445	ug/l	77
95) Naphthalene	15.145	128	1466	27.643	ug/l	96
96) 1,2,3-Trichlorobenzene	15.340	180	741	28.351	ug/l	94

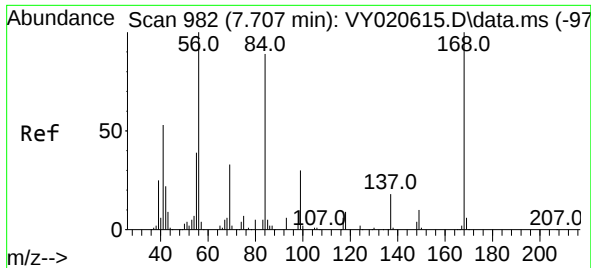
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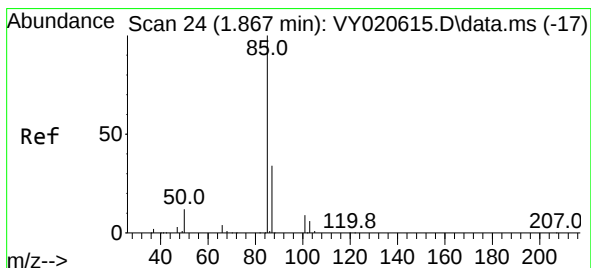
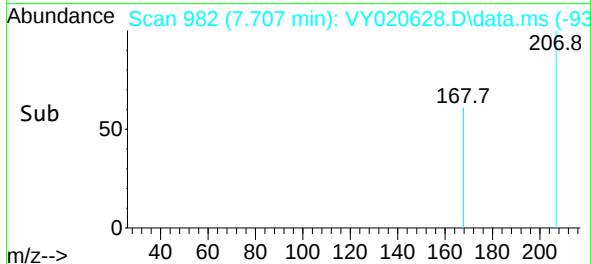
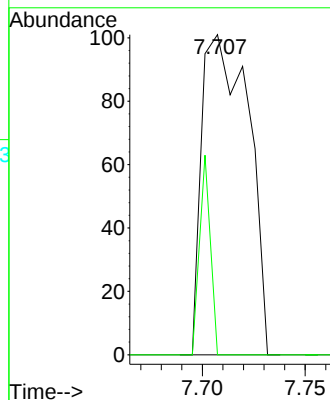
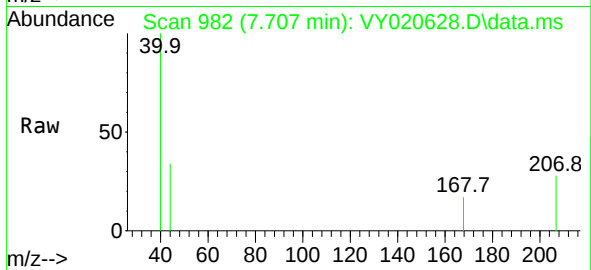




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

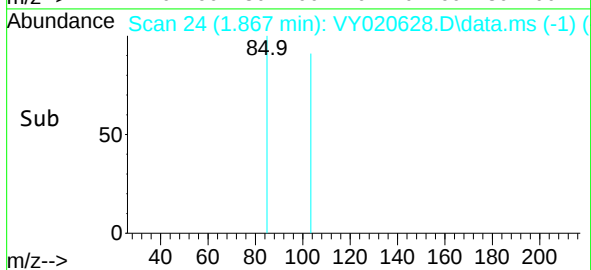
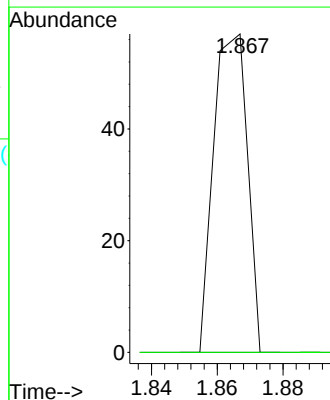
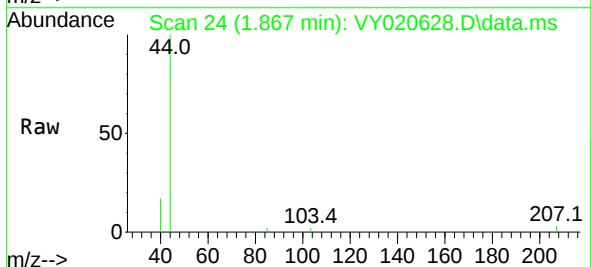
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

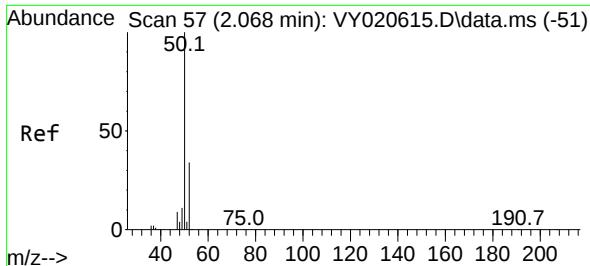
Tgt Ion:168 Resp: 159
Ion Ratio Lower Upper
168 100
99 0.0 47.0 70.6#



#2
Dichlorodifluoromethane
Concen: 20.645 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion: 85 Resp: 41
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.3#

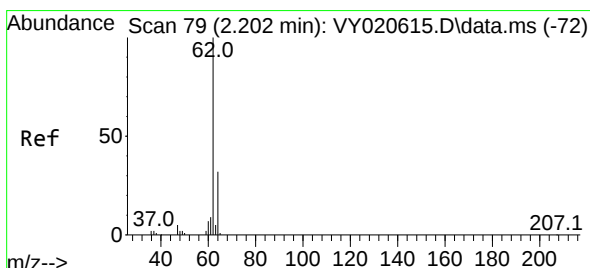
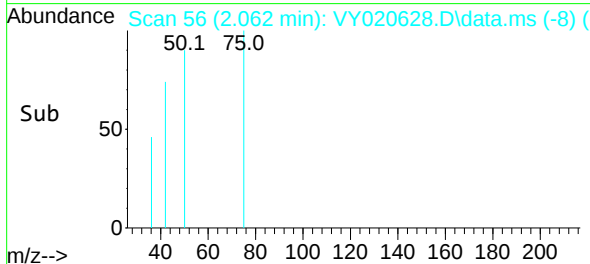
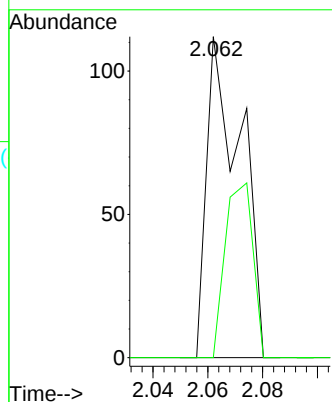
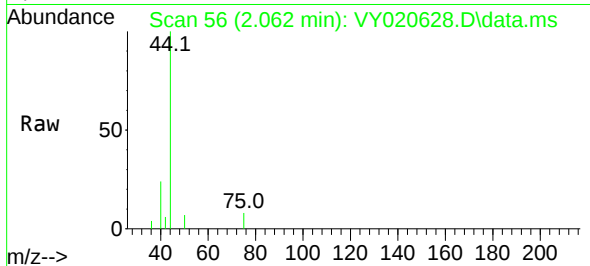




#3
Chloromethane
Concen: 65.919 ug/l
RT: 2.062 min Scan# 50
Delta R.T. -0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

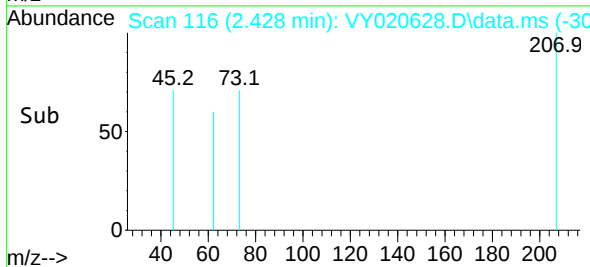
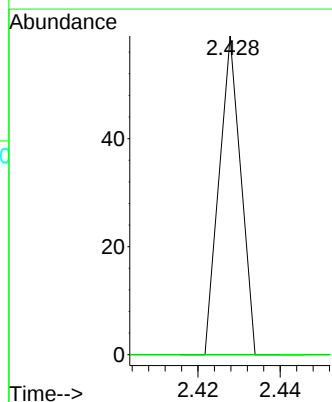
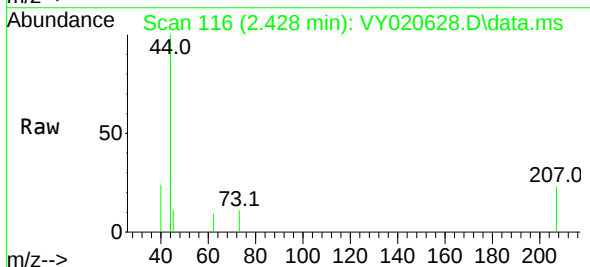
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

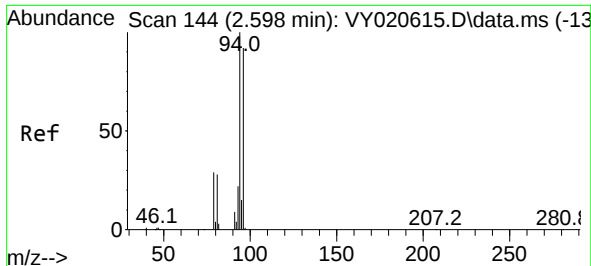
Tgt Ion: 50 Resp: 97
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#4
Vinyl Chloride
Concen: 16.063 ug/l
RT: 2.428 min Scan# 116
Delta R.T. 0.226 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion: 62 Resp: 22
Ion Ratio Lower Upper
62 100
64 0.0 25.3 37.9#

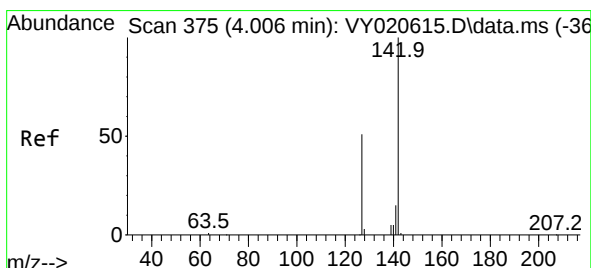
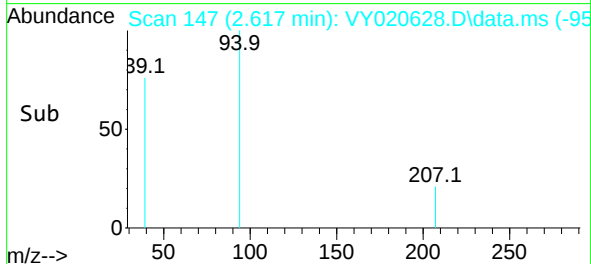
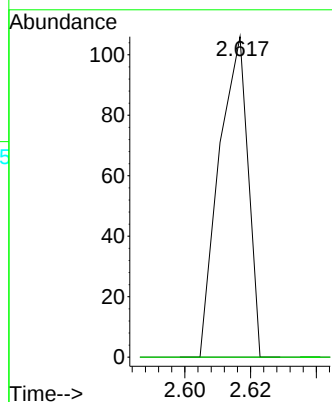
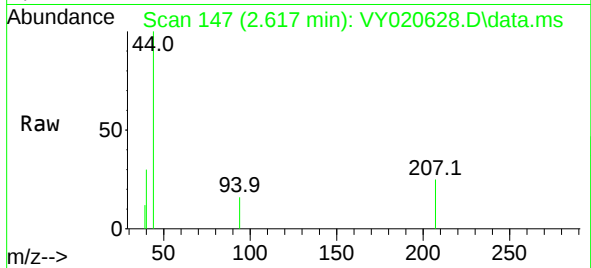




#5
Bromomethane
Concen: 73.831 ug/l
RT: 2.617 min Scan# 144
Delta R.T. 0.019 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

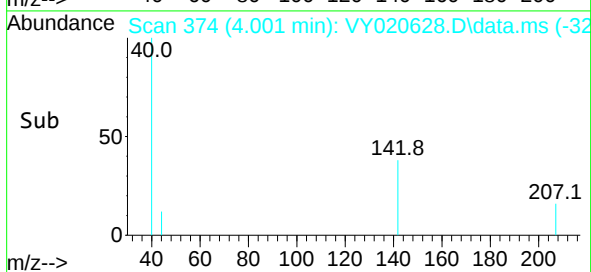
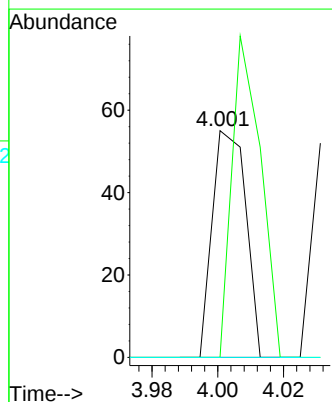
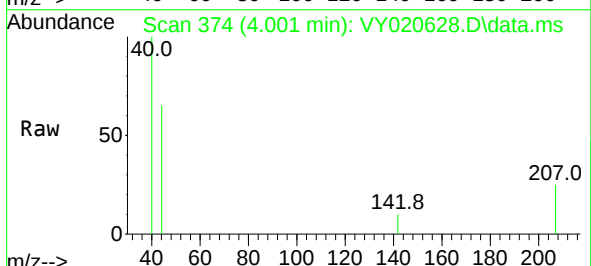
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

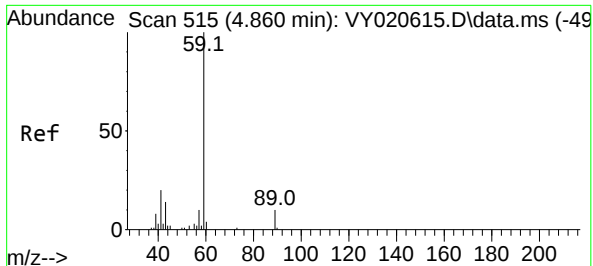
Tgt Ion: 94 Resp: 65
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.6#



#10
Methyl Iodide
Concen: 17.053 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.005 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion:142 Resp: 39
Ion Ratio Lower Upper
142 100
127 120.5 40.6 61.0#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.842 min Scan# 515

Delta R.T. -0.018 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

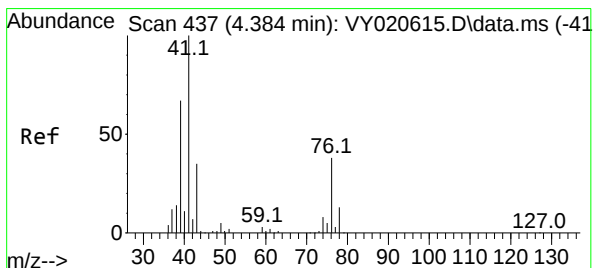
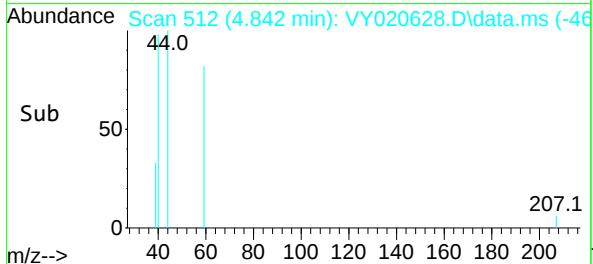
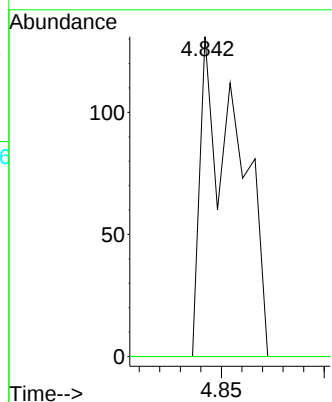
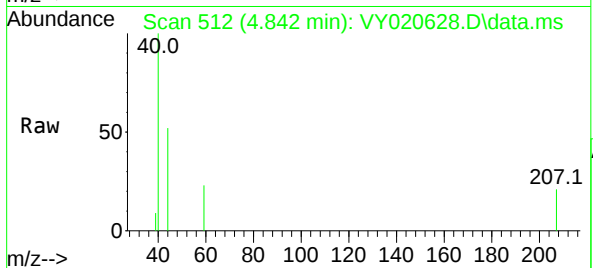
COMP-1A

Tgt Ion: 59 Resp: 167

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



#14

Allyl chloride

Concen: 13.171 ug/l

RT: 4.360 min Scan# 433

Delta R.T. -0.024 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

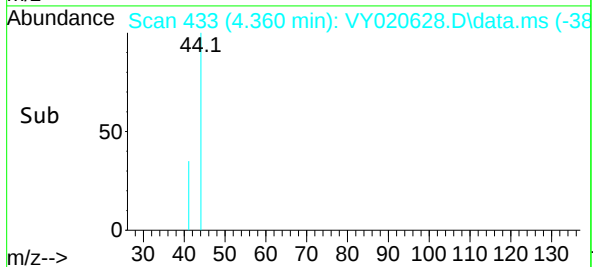
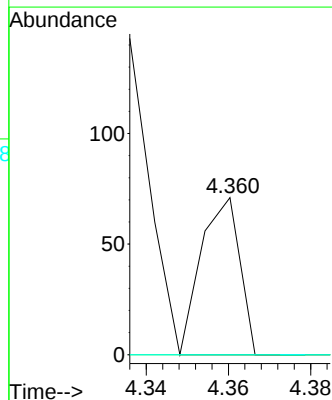
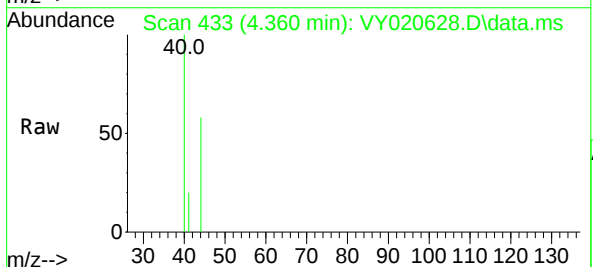
Tgt Ion: 41 Resp: 46

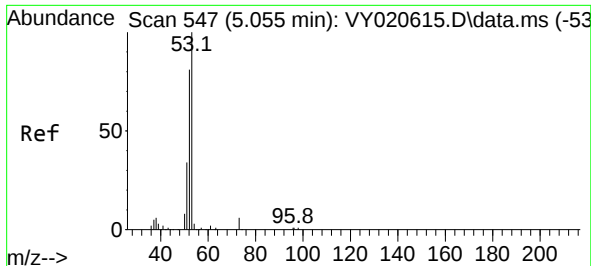
Ion Ratio Lower Upper

41 100

39 0.0 53.0 79.4#

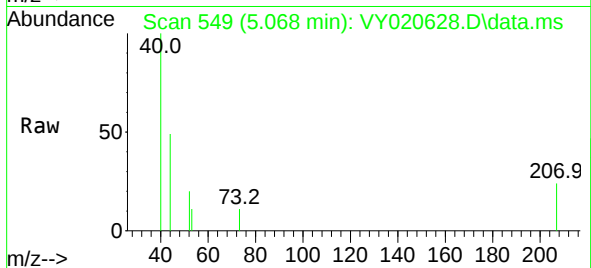
76 0.0 29.5 44.3#



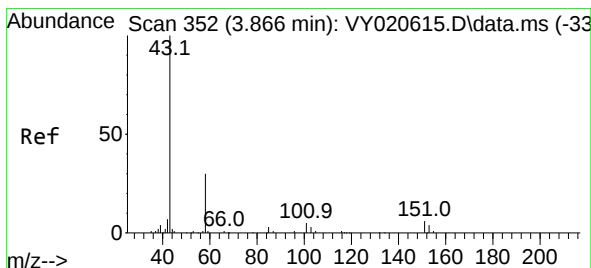
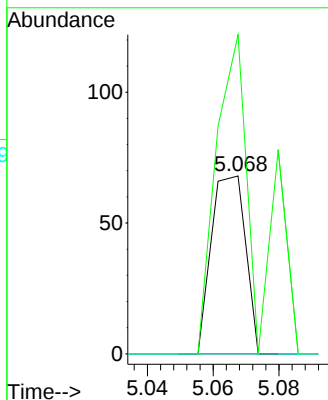
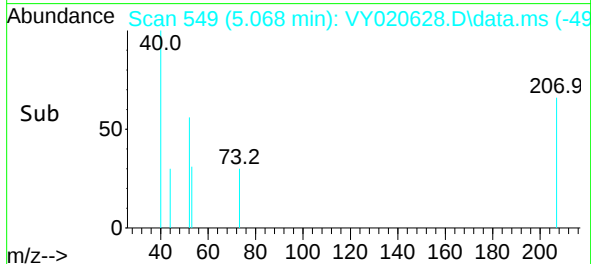


#15
Acrylonitrile
Concen: 101.909 ug/l
RT: 5.068 min Scan# 549
Delta R.T. 0.013 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

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ClientSampleId :
COMP-1A

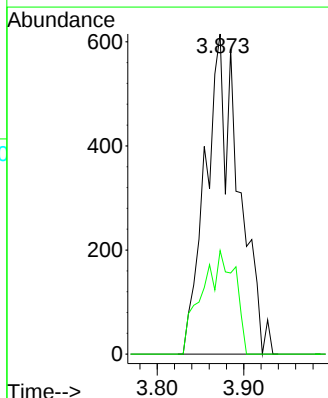
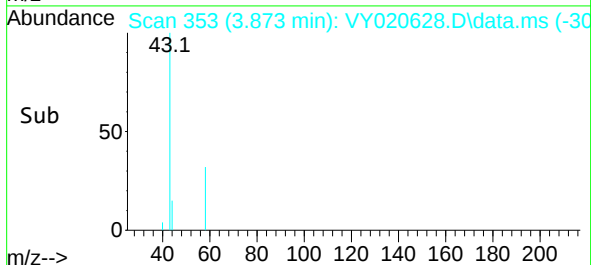
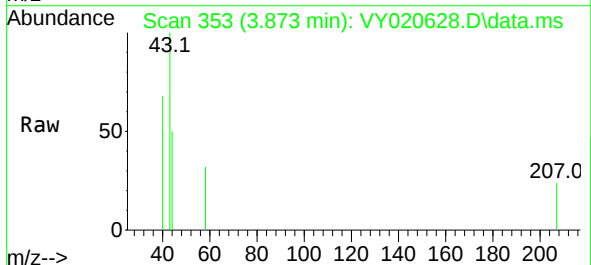


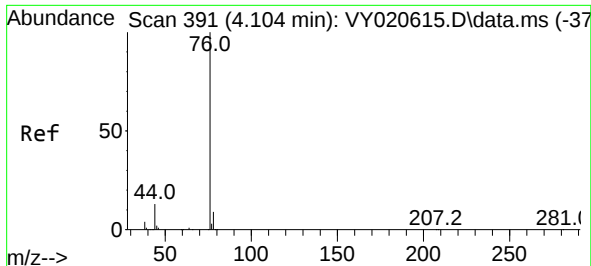
Tgt Ion: 53 Resp: 49
Ion Ratio Lower Upper
53 100
52 214.3 64.5 96.7#
51 0.0 29.4 44.0#



#16
Acetone
Concen: 4820.653 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.007 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion: 43 Resp: 1627
Ion Ratio Lower Upper
43 100
58 32.4 25.0 37.6

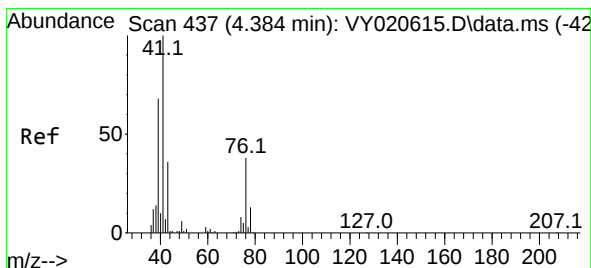
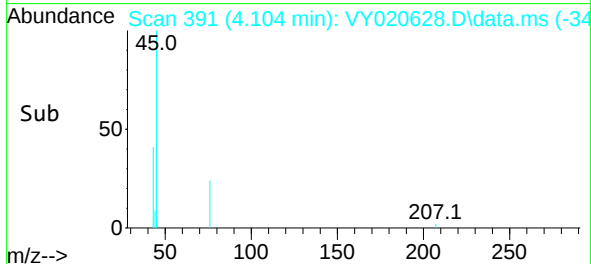
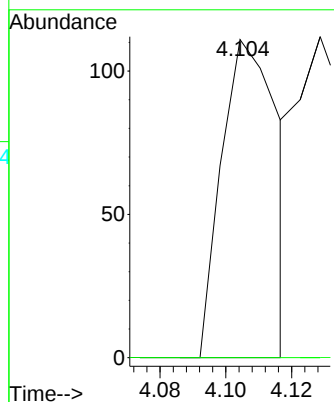
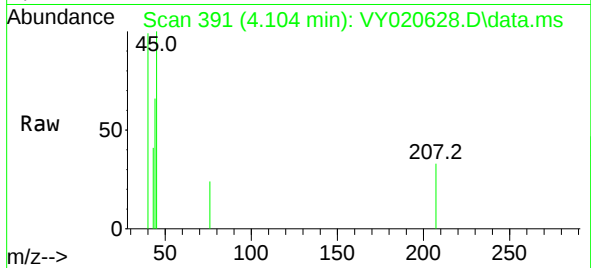




#17
Carbon Disulfide
Concen: 20.346 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

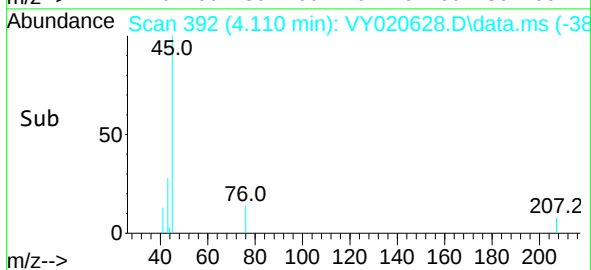
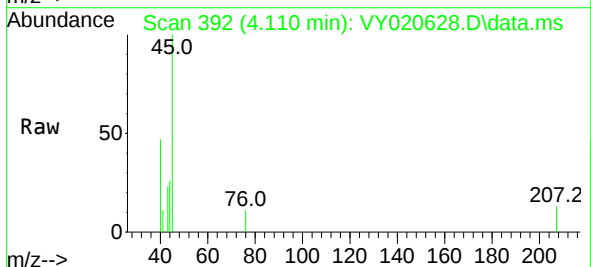
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

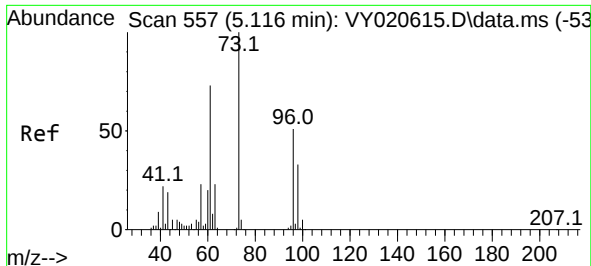
Tgt Ion: 76 Resp: 132
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 104.659 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.274 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#





#19

Methyl tert-butyl Ether

Concen: 5.832 ug/l

RT: 5.141 min Scan# 5

Delta R.T. 0.025 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

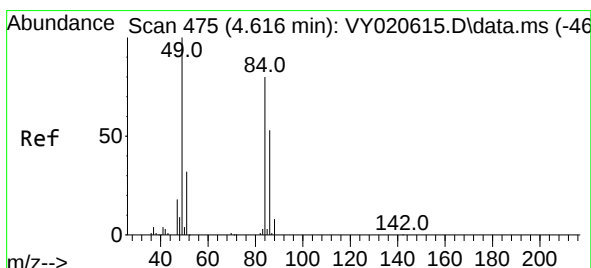
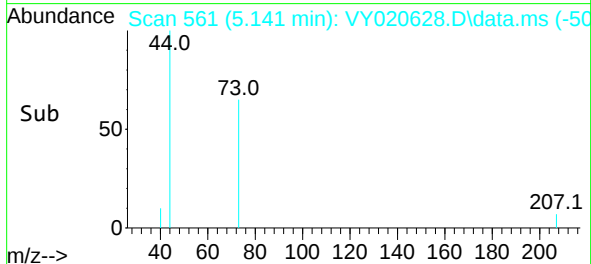
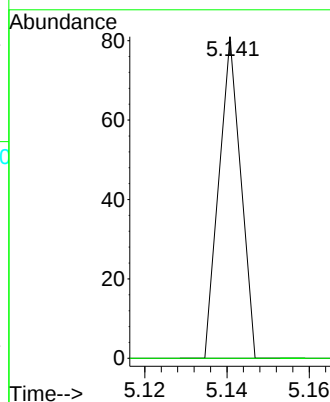
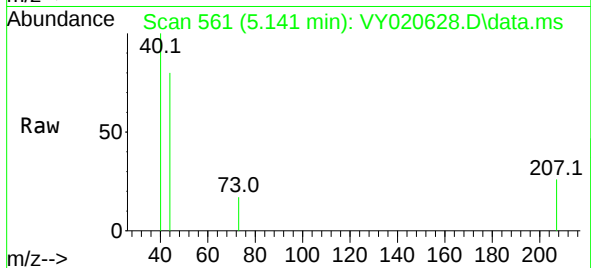
COMP-1A

Tgt Ion: 73 Resp: 30

Ion Ratio Lower Upper

73 100

57 0.0 18.5 27.7#



#20

Methylene Chloride

Concen: 1106.171 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Tgt Ion: 84 Resp: 2395

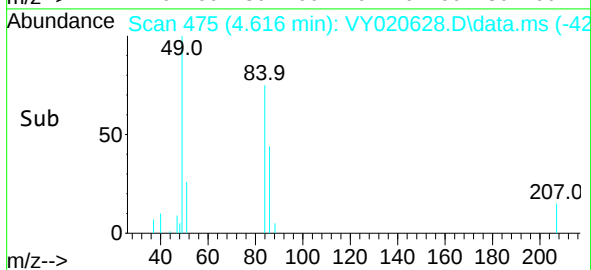
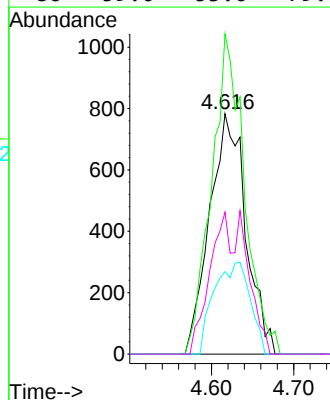
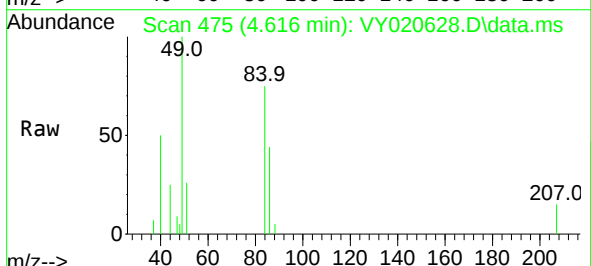
Ion Ratio Lower Upper

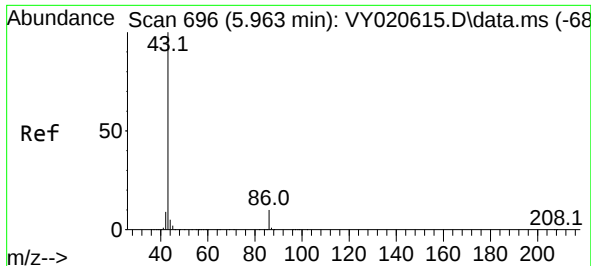
84 100

49 133.2 100.7 151.1

51 34.4 32.2 48.2

86 59.0 53.0 79.6

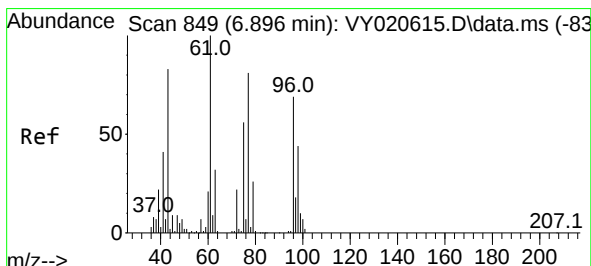
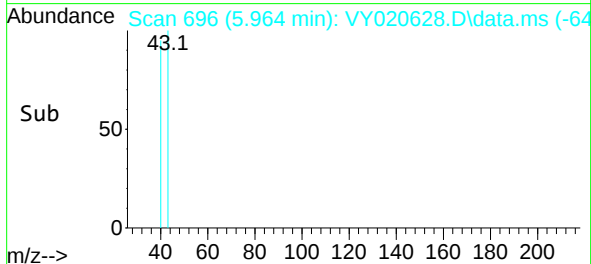
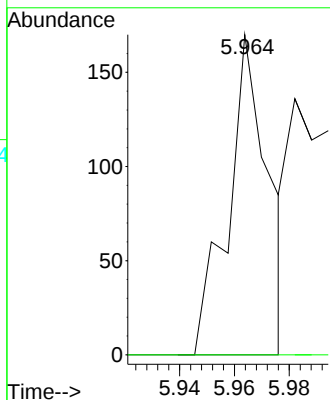
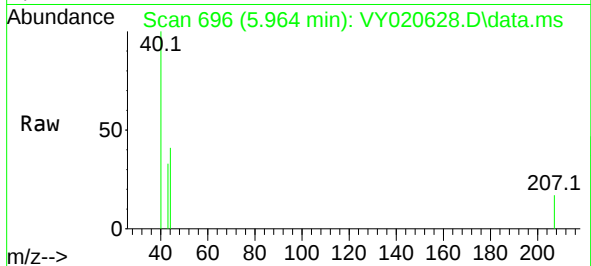




#23
 Vinyl Acetate
 Concen: 43.088 ug/l
 RT: 5.964 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VY020628.D
 Acq: 18 Dec 2024 12:05

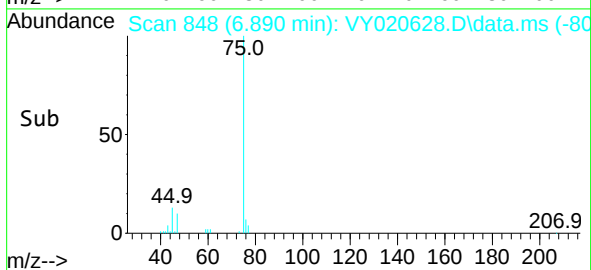
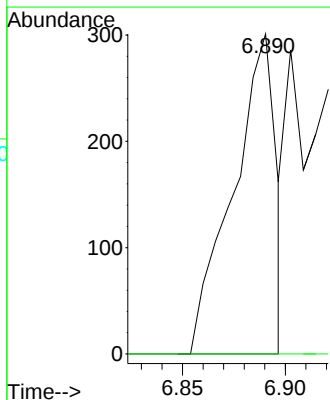
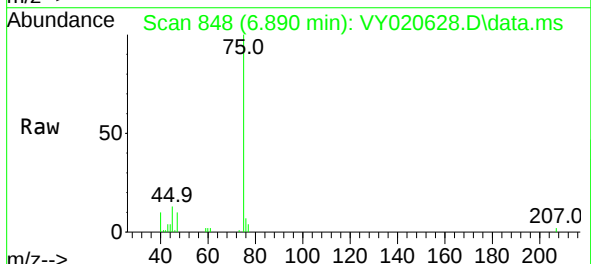
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1A

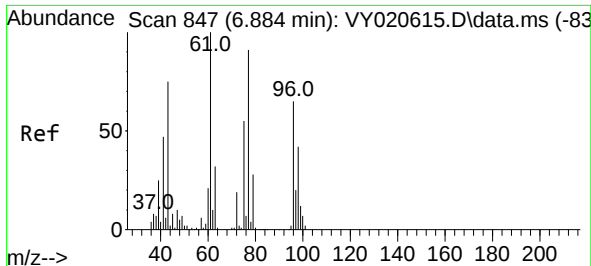
Tgt Ion: 43 Resp: 173
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.1 12.1#



#25
 2-Butanone
 Concen: 678.352 ug/l
 RT: 6.890 min Scan# 848
 Delta R.T. -0.006 min
 Lab File: VY020628.D
 Acq: 18 Dec 2024 12:05

Tgt Ion: 43 Resp: 439
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.6 31.0#





#26

2,2-Dichloropropane

Concen: 101.631 ug/l

RT: 6.872 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

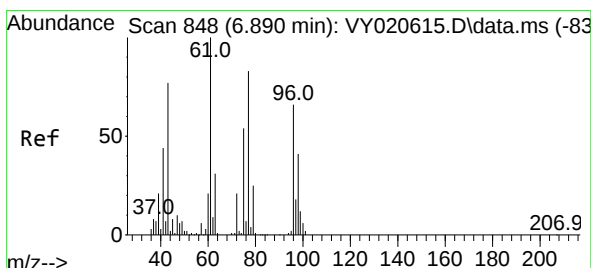
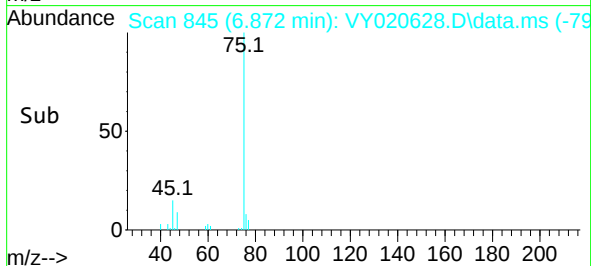
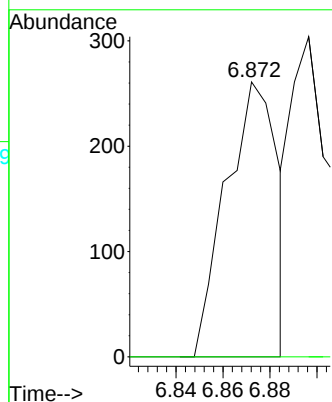
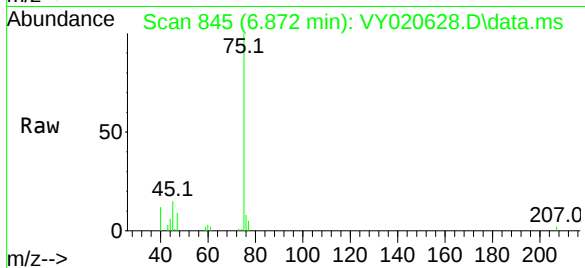
COMP-1A

Tgt Ion: 77 Resp: 399

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.6#



#27

cis-1,2-Dichloroethene

Concen: 17.494 ug/l

RT: 6.903 min Scan# 850

Delta R.T. 0.013 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

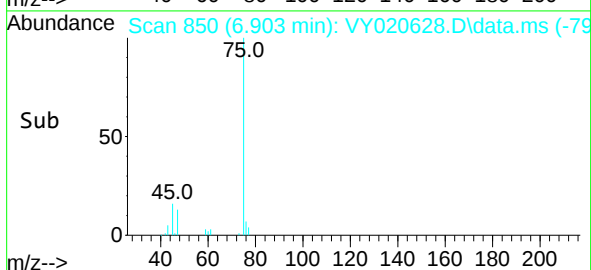
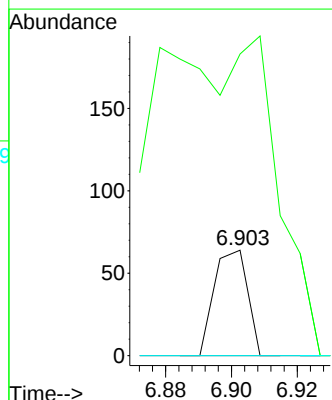
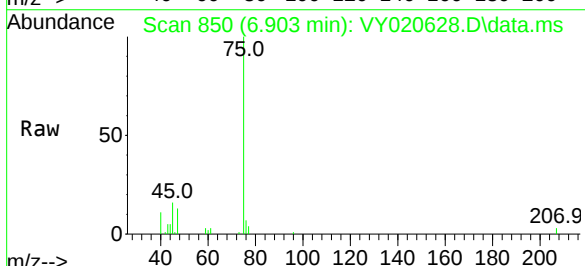
Tgt Ion: 96 Resp: 45

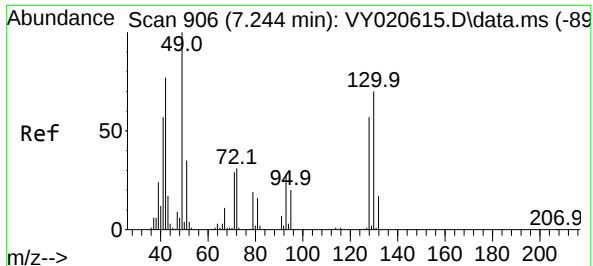
Ion Ratio Lower Upper

96 100

61 0.0 0.0 306.2

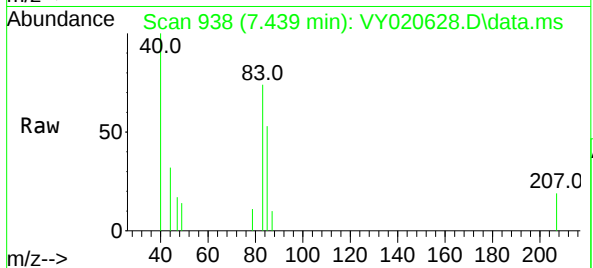
98 0.0 0.0 127.2



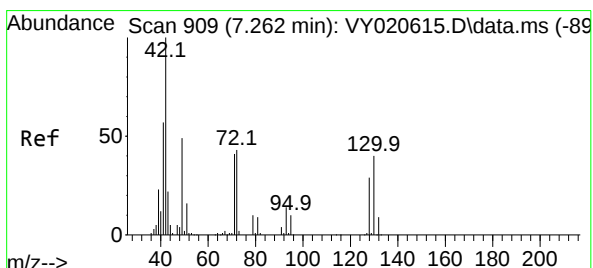
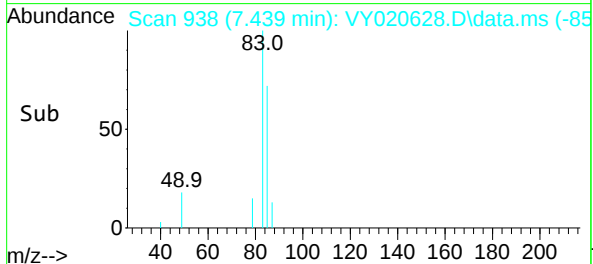
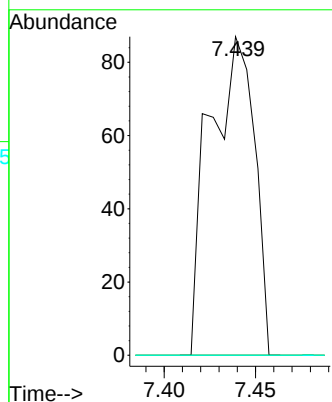


#28
Bromochloromethane
Concen: 106.366 ug/l
RT: 7.439 min Scan# 910
Delta R.T. 0.195 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

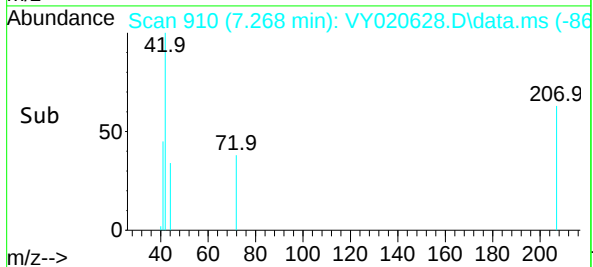
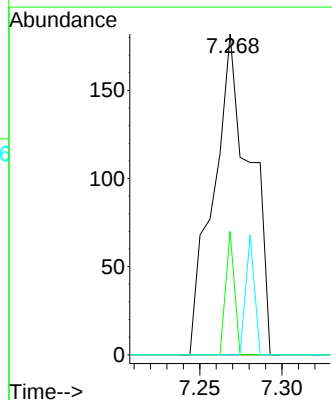
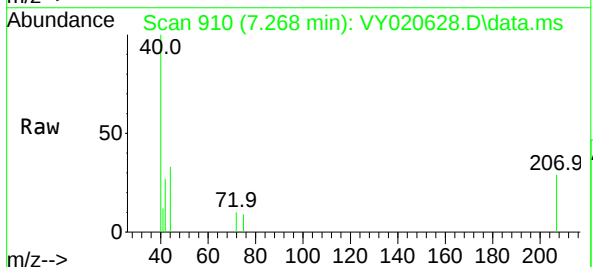


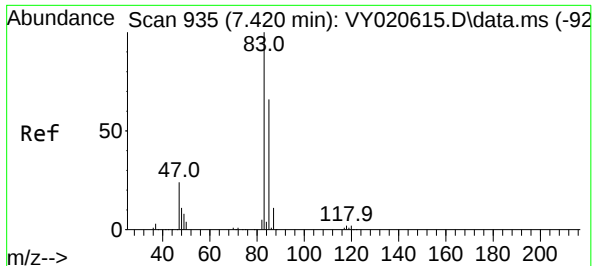
Tgt Ion: 49 Resp: 149
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.3 87.5#



#29
Tetrahydrofuran
Concen: 690.268 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion: 42 Resp: 282
Ion Ratio Lower Upper
42 100
72 9.2 34.0 51.0#
71 8.9 31.6 47.4#





#30

Chloroform

Concen: 492.672 ug/l

RT: 7.421 min Scan# 91

Delta R.T. 0.001 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

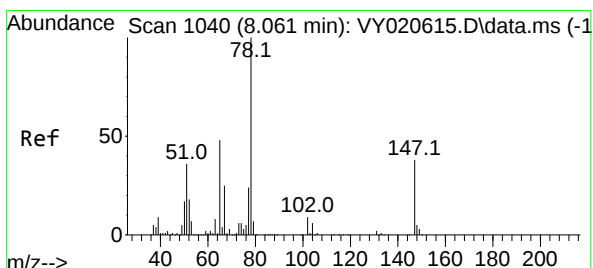
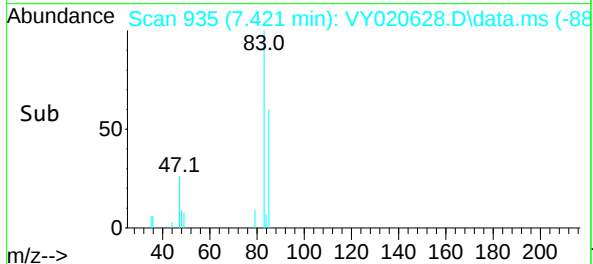
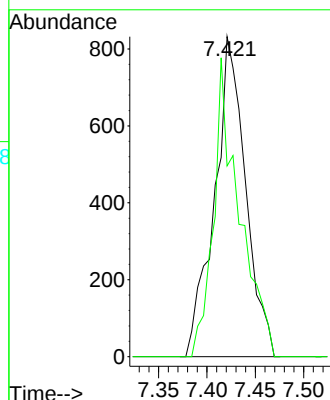
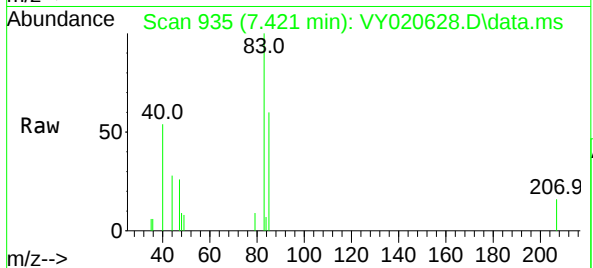
COMP-1A

Tgt Ion: 83 Resp: 1859

Ion Ratio Lower Upper

83 100

85 59.6 52.7 79.1



#33

1,2-Dichloroethane-d4

Concen: 203.286 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY020628.D

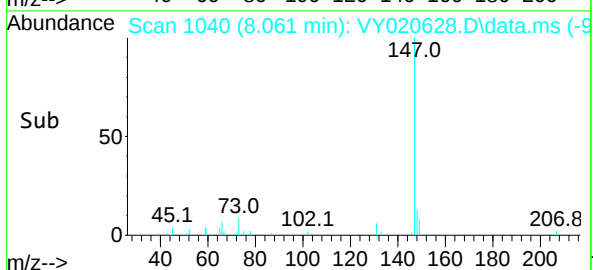
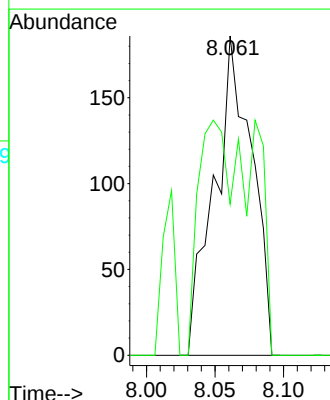
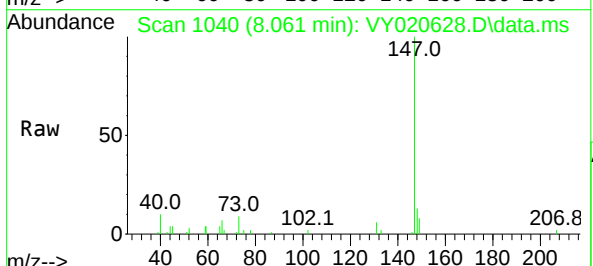
Acq: 18 Dec 2024 12:05

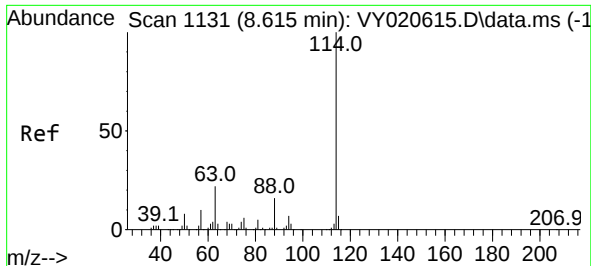
Tgt Ion: 65 Resp: 354

Ion Ratio Lower Upper

65 100

67 59.6 0.0 108.0

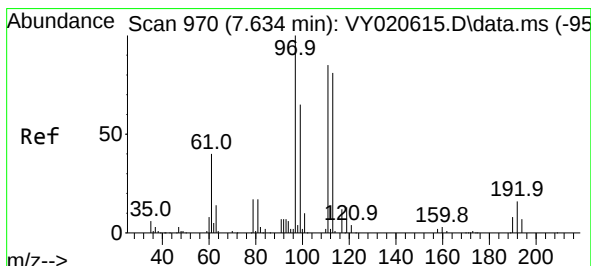
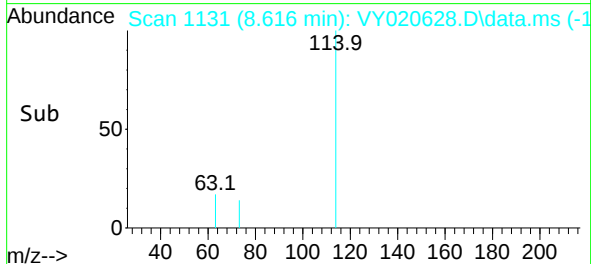
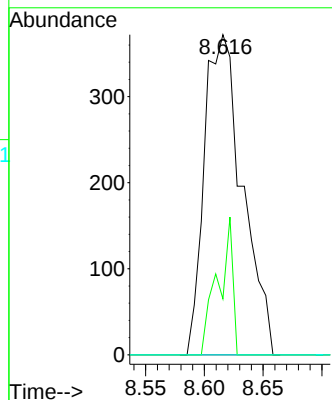
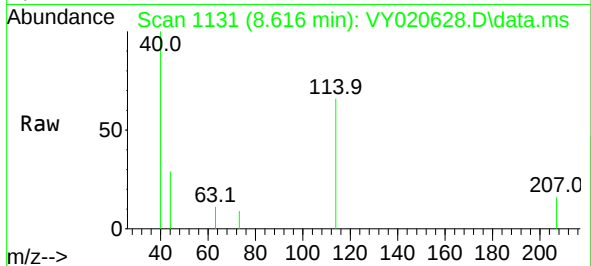




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

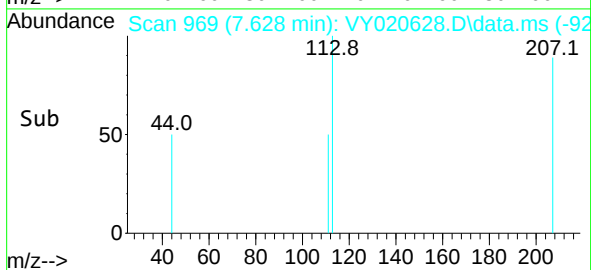
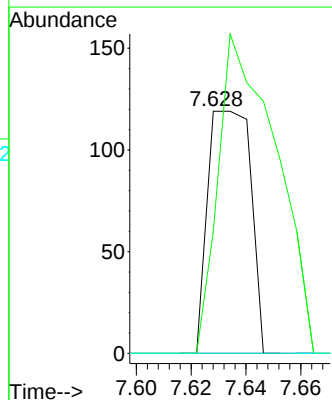
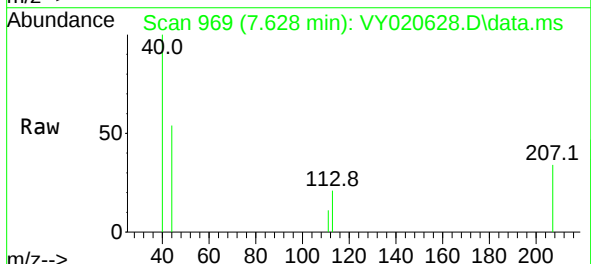
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

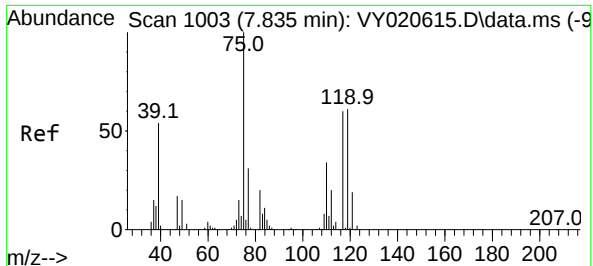
Tgt Ion:	114	Resp:	838
Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	44.0
88	0.0	0.0	32.8



#35
Dibromofluoromethane
Concen: 21.842 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion:	113	Resp:	129
Ion	Ratio	Lower	Upper
113	100		
111	178.3	82.9	124.3#
192	0.0	15.7	23.5#





#36

1,1-Dichloropropene

Concen: 4.086 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. -0.006 min

Lab File: VY020628.D

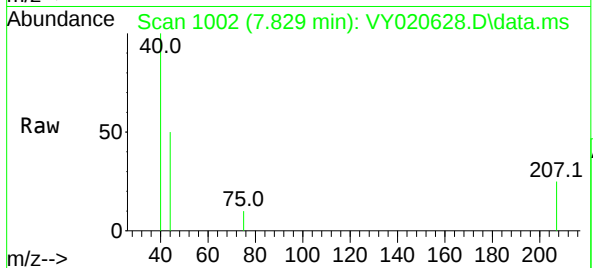
Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1A



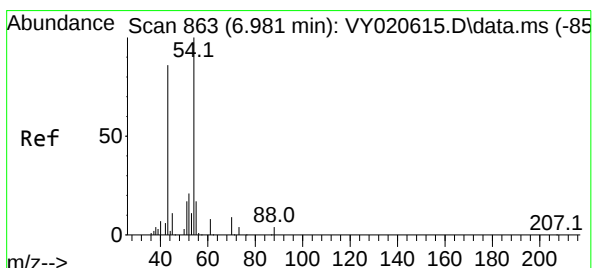
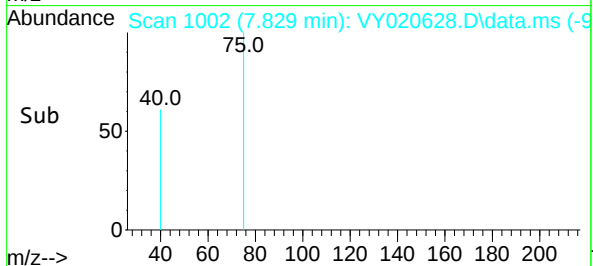
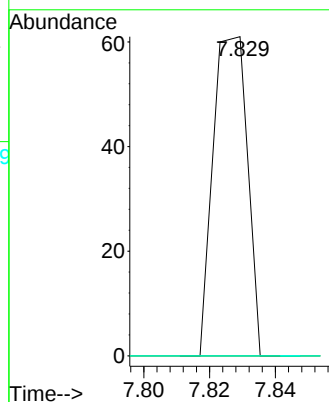
Tgt Ion: 75 Resp: 44

Ion Ratio Lower Upper

75 100

110 0.0 16.8 50.4#

77 0.0 25.0 37.6#



#37

Ethyl Acetate

Concen: 39.087 ug/l

RT: 6.988 min Scan# 864

Delta R.T. 0.006 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

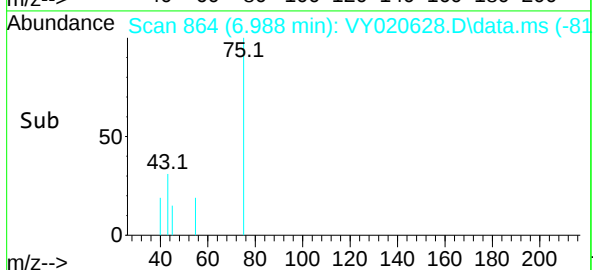
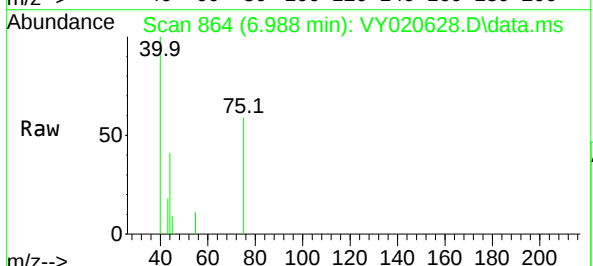
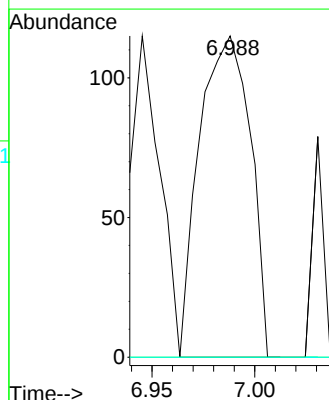
Tgt Ion: 43 Resp: 198

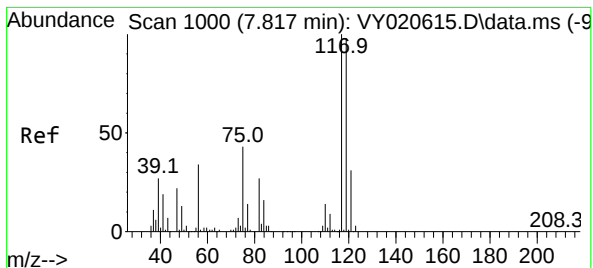
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.0 7.9 11.9#





#38

Carbon Tetrachloride

Concen: 14.436 ug/l

RT: 8.037 min Scan# 1

Delta R.T. 0.220 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1A

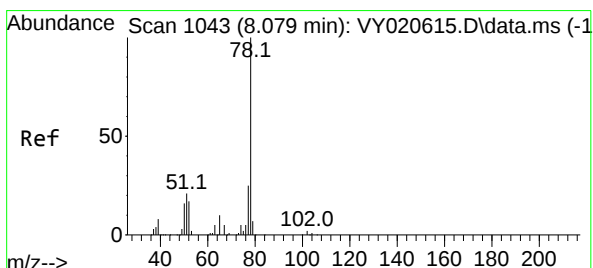
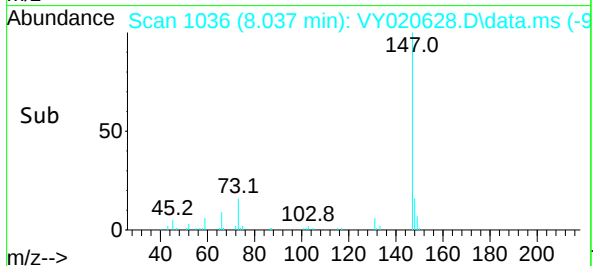
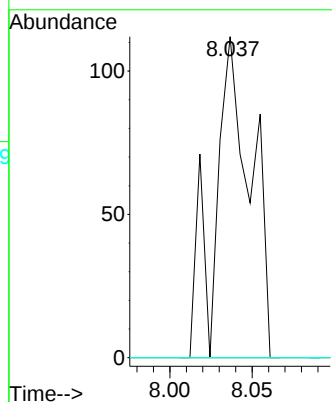
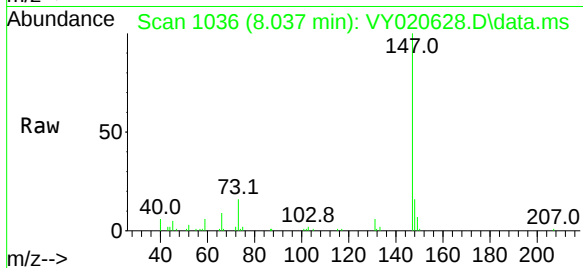
Tgt Ion:117 Resp: 172

Ion Ratio Lower Upper

117 100

119 0.0 78.3 117.5#

121 0.0 25.1 37.7#



#40

Benzene

Concen: 10.391 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VY020628.D

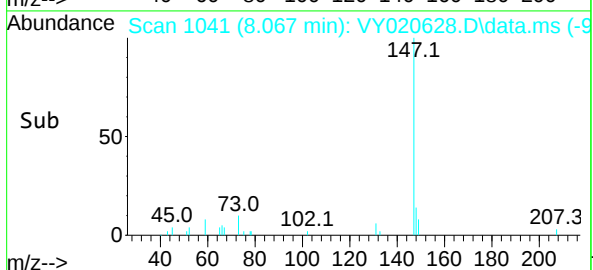
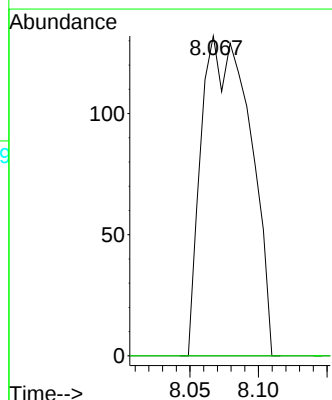
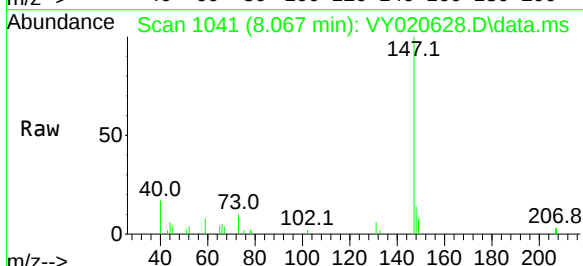
Acq: 18 Dec 2024 12:05

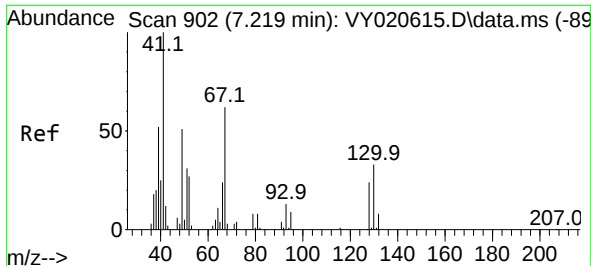
Tgt Ion: 78 Resp: 328

Ion Ratio Lower Upper

78 100

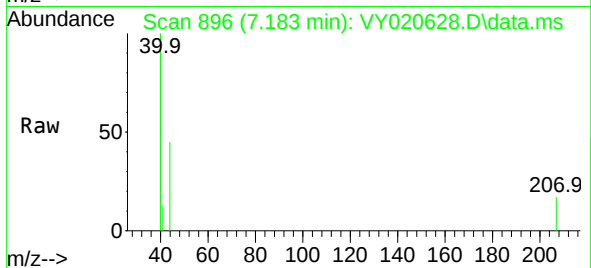
77 0.0 20.1 30.1#



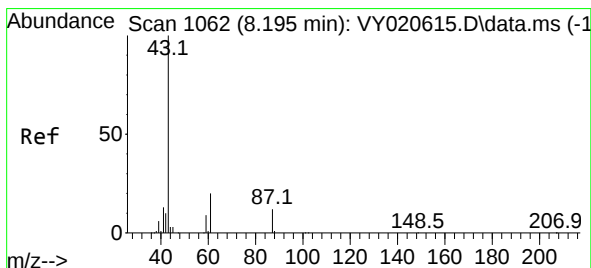
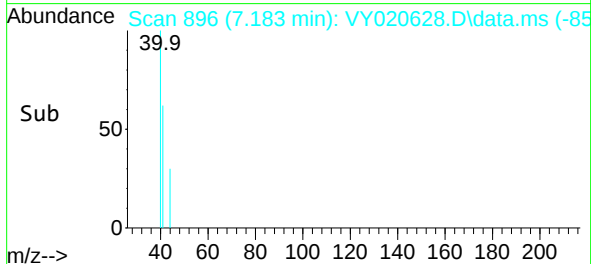
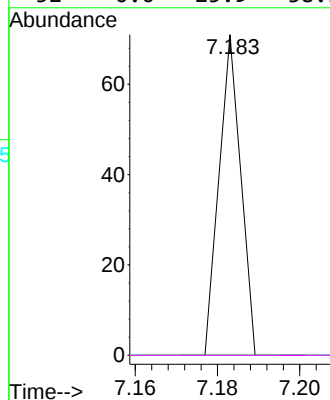


#41
Methacrylonitrile
Concen: 9.708 ug/l
RT: 7.183 min Scan# 89
Delta R.T. -0.036 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

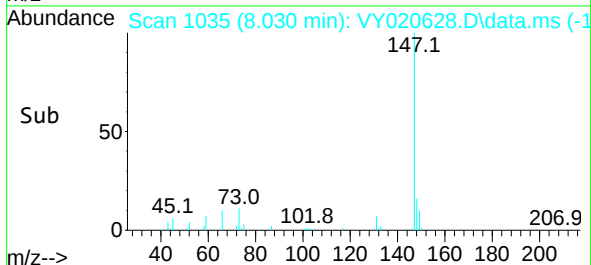
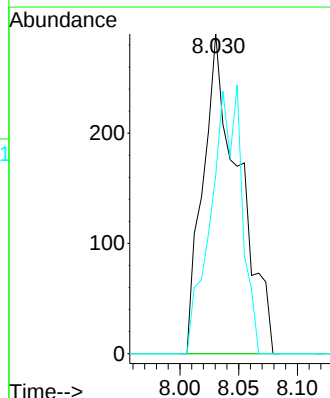
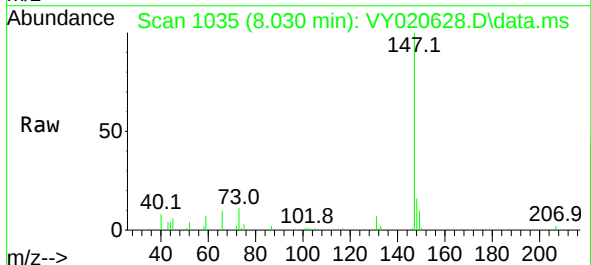


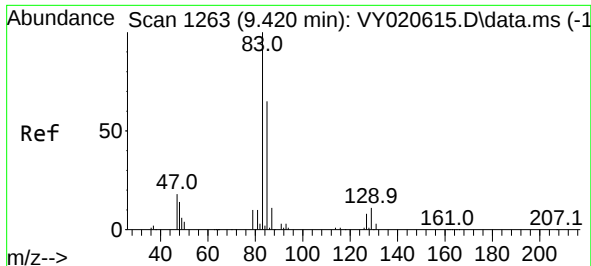
Tgt Ion:	41	Resp:	26
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.6	80.4#
67	0.0	62.0	93.0#
52	0.0	25.9	38.9#



#43
Isopropyl Acetate
Concen: 64.023 ug/l
RT: 8.030 min Scan# 1035
Delta R.T. -0.164 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion:	43	Resp:	614
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.6#
87	71.8	10.2	15.4#

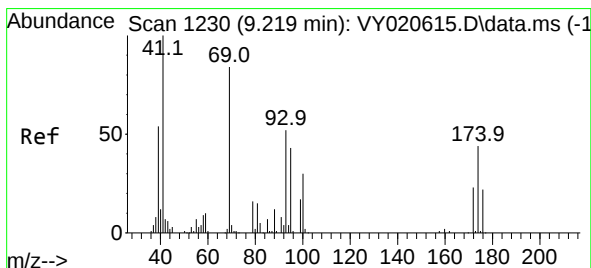
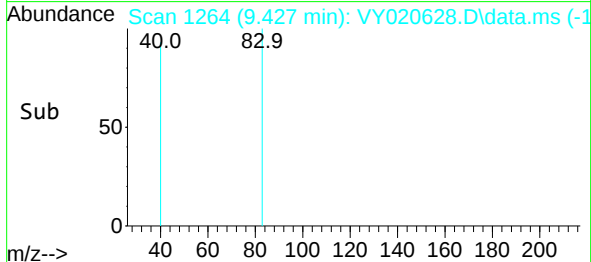
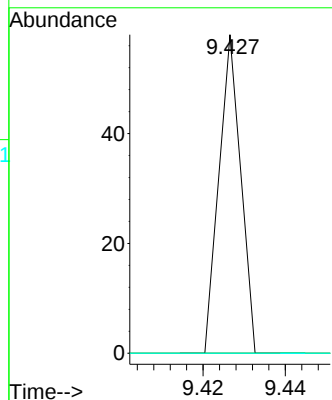
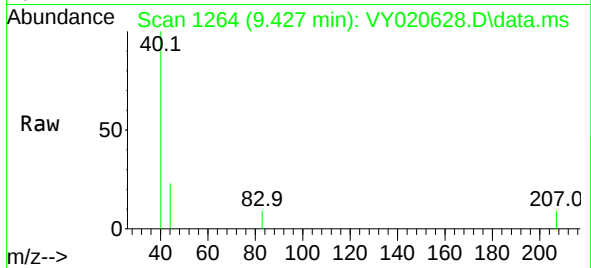




#47
 Bromodichloromethane
 Concen: 1.994 ug/l
 RT: 9.427 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY020628.D
 Acq: 18 Dec 2024 12:05

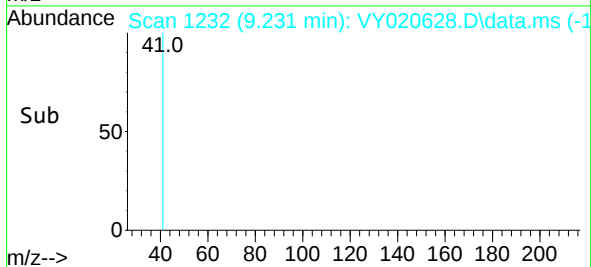
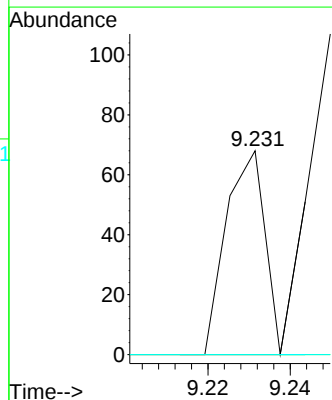
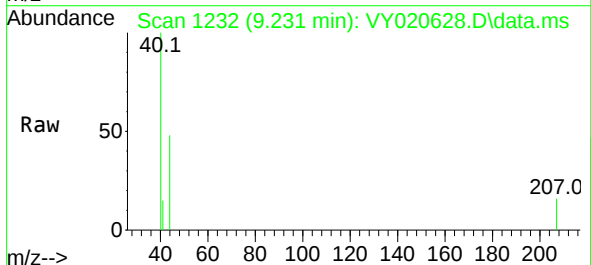
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1A

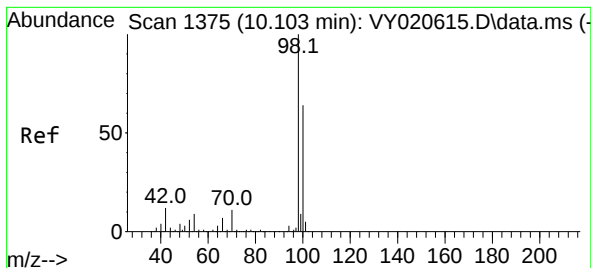
Tgt Ion: 83 Resp: 21
 Ion Ratio Lower Upper
 83 100
 85 0.0 52.1 78.1#
 127 0.0 6.7 10.1#



#48
 Methyl methacrylate
 Concen: 9.651 ug/l
 RT: 9.231 min Scan# 1232
 Delta R.T. 0.013 min
 Lab File: VY020628.D
 Acq: 18 Dec 2024 12:05

Tgt Ion: 41 Resp: 44
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.2 100.8#
 39 0.0 42.2 63.4#





#50

Toluene-d8

Concen: 50.939 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

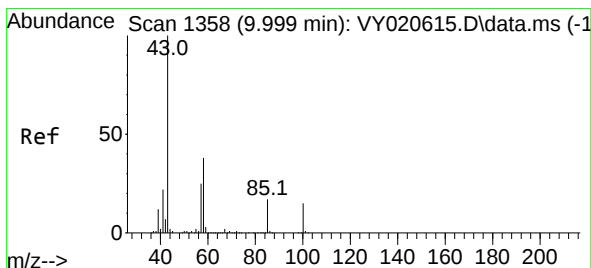
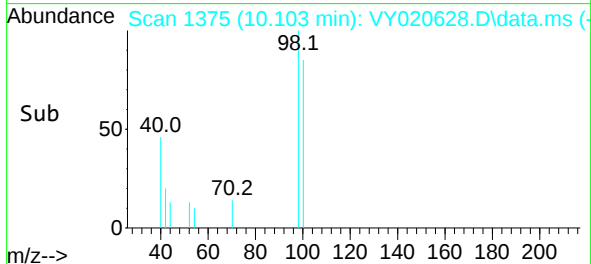
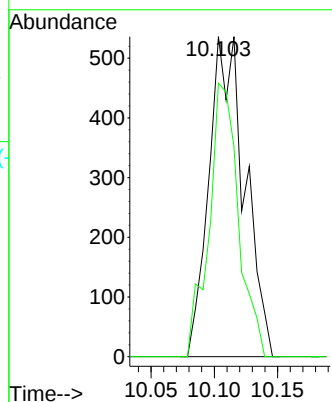
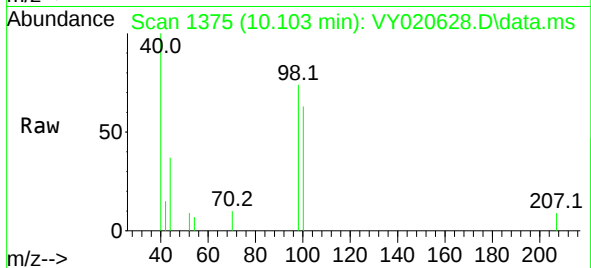
COMP-1A

Tgt Ion: 98 Resp: 1053

Ion Ratio Lower Upper

98 100

100 70.4 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 111.021 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. -0.006 min

Lab File: VY020628.D

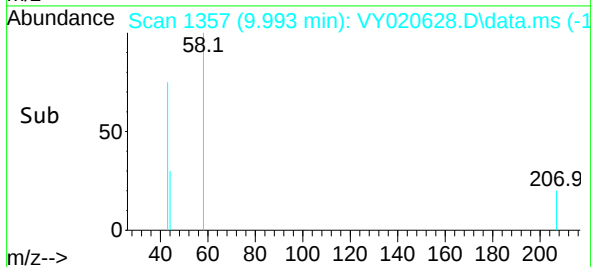
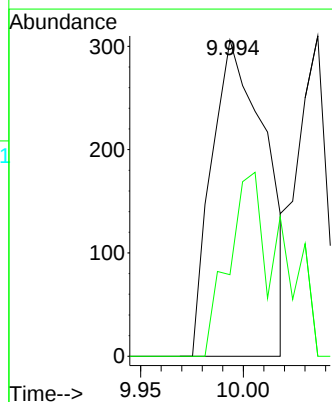
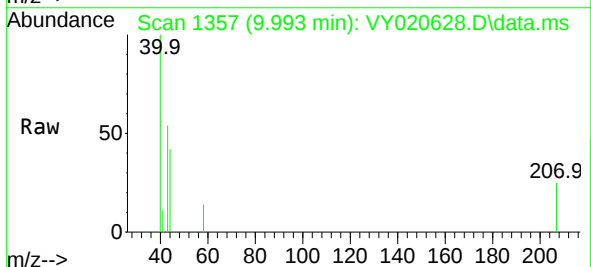
Acq: 18 Dec 2024 12:05

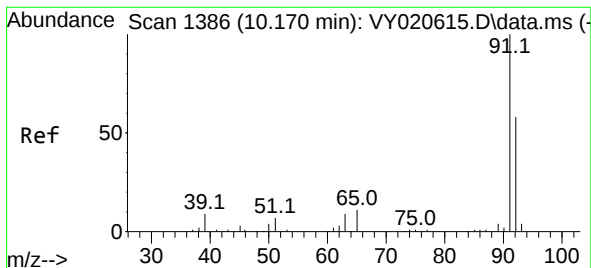
Tgt Ion: 43 Resp: 562

Ion Ratio Lower Upper

43 100

58 56.2 31.4 47.2#





#52

Toluene

Concen: 12.591 ug/l

RT: 10.176 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

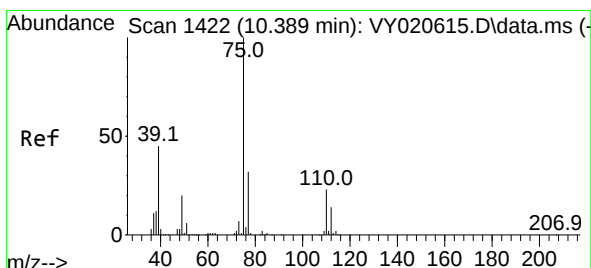
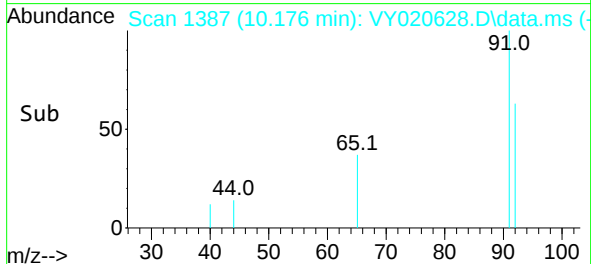
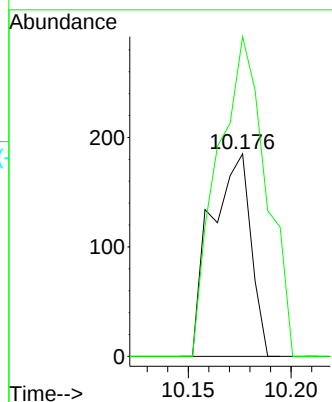
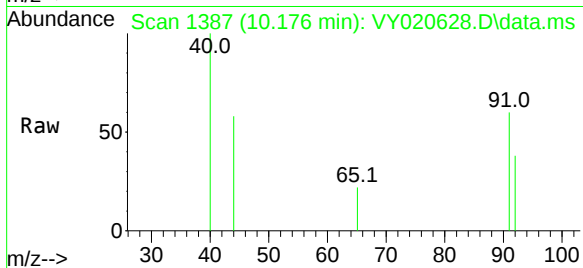
COMP-1A

Tgt Ion: 92 Resp: 247

Ion Ratio Lower Upper

92 100

91 193.9 137.4 206.0



#53

t-1,3-Dichloropropene

Concen: 7.541 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VY020628.D

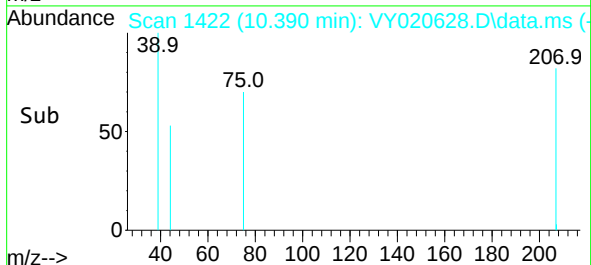
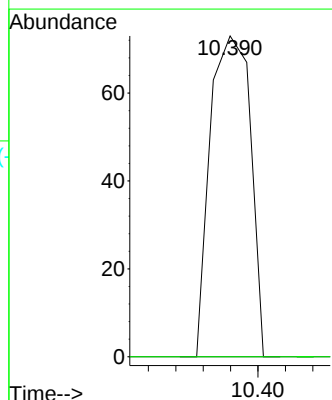
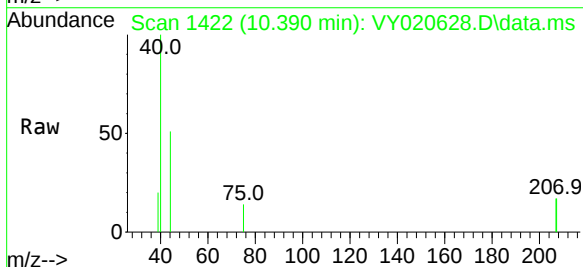
Acq: 18 Dec 2024 12:05

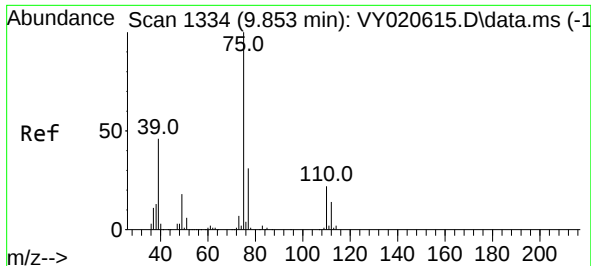
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

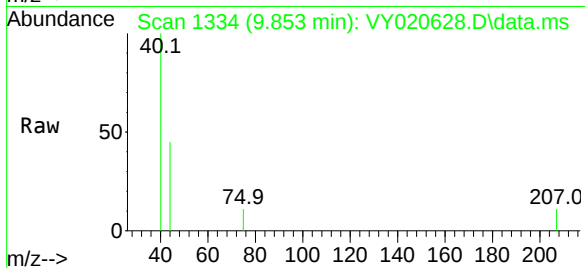
77 0.0 25.4 38.2#



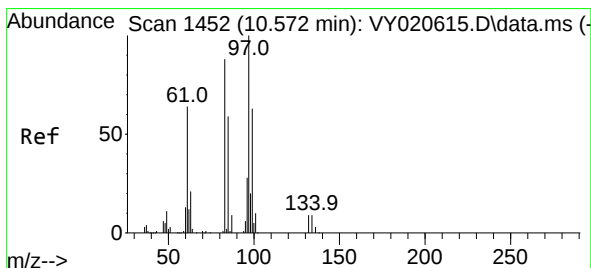
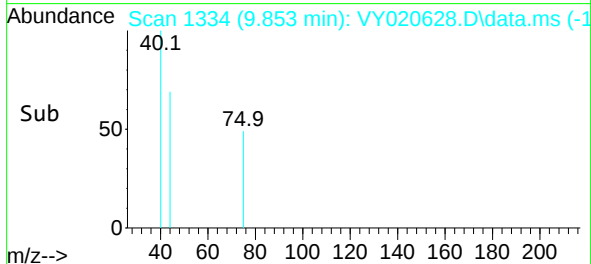
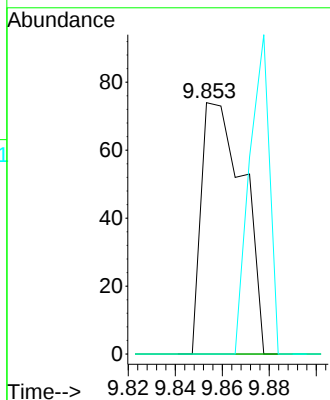


#54
cis-1,3-Dichloropropene
Concen: 7.911 ug/l
RT: 9.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

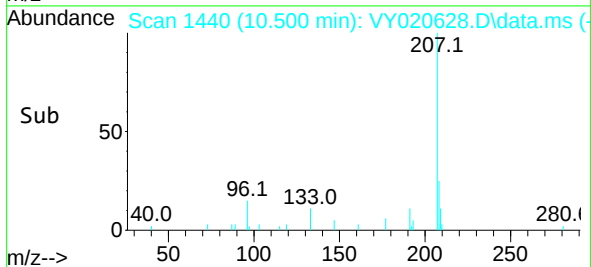
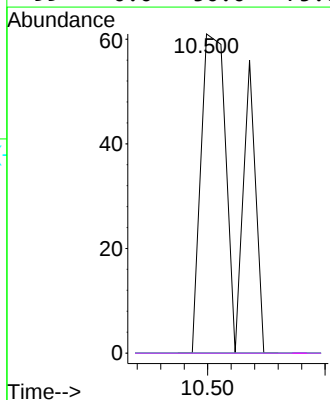
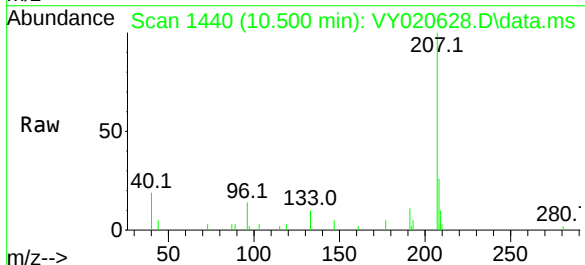


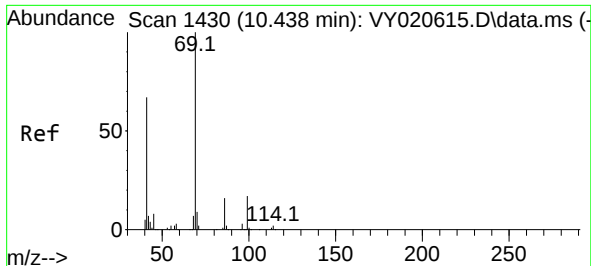
Tgt Ion: 75 Resp: 92
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 0.0 36.4 54.6#



#55
1,1,2-Trichloroethane
Concen: 12.415 ug/l
RT: 10.500 min Scan# 1440
Delta R.T. -0.073 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

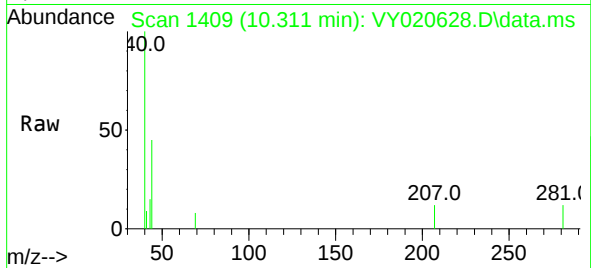
Tgt Ion: 97 Resp: 64
Ion Ratio Lower Upper
97 100
83 0.0 70.4 105.6#
85 0.0 47.2 70.8#
99 0.0 50.0 75.0#



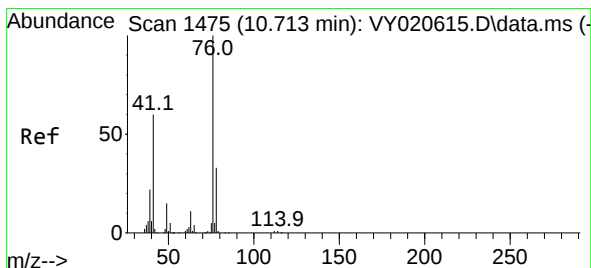
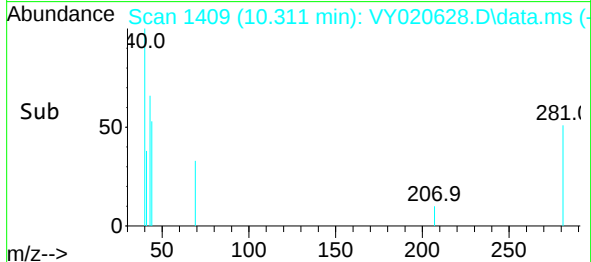
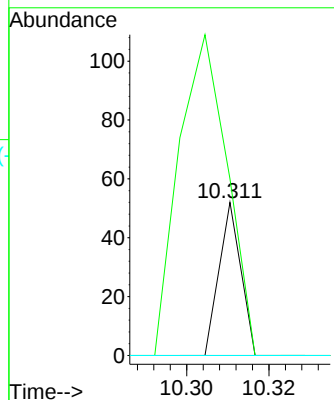


#56
Ethyl methacrylate
Concen: 2.541 ug/l
RT: 10.311 min Scan# 14
Delta R.T. -0.128 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

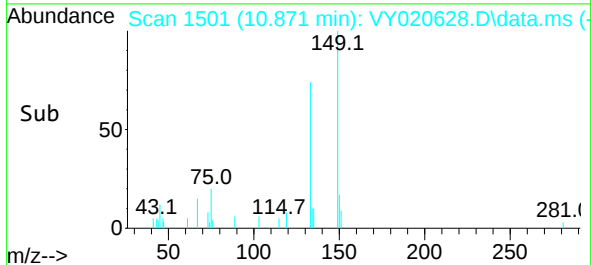
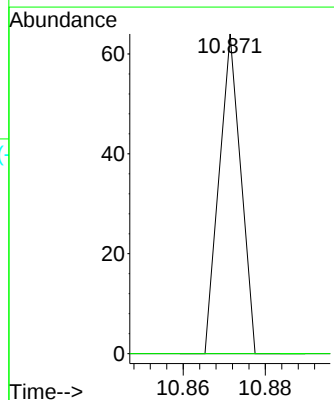
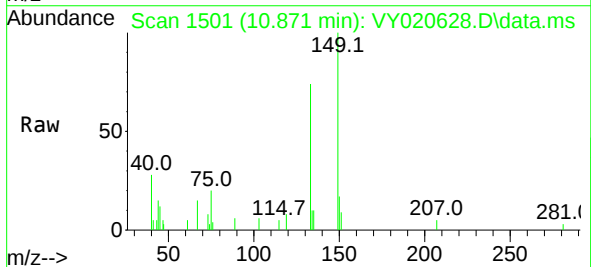


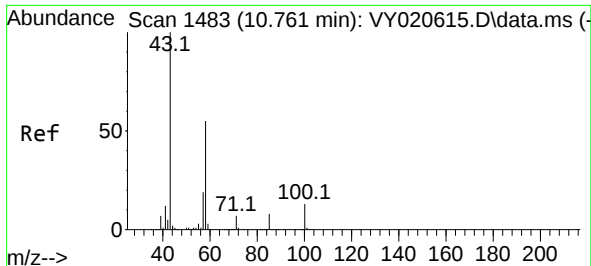
Tgt Ion:	69	Resp:	19
Ion	Ratio	Lower	Upper
69	100		
41	468.4	54.0	81.0#
39	0.0	27.9	41.9#



#57
1,3-Dichloropropane
Concen: 2.503 ug/l
RT: 10.871 min Scan# 1501
Delta R.T. 0.159 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion:	76	Resp:	23
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.8#





#59

2-Hexanone

Concen: 71.998 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

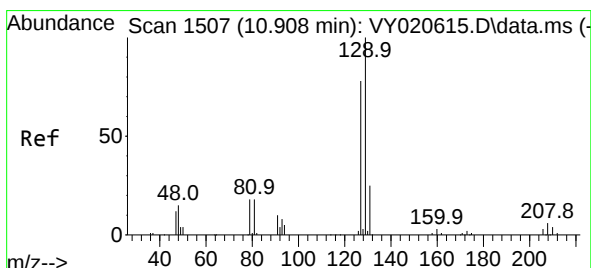
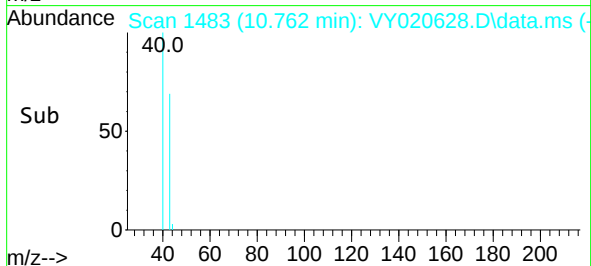
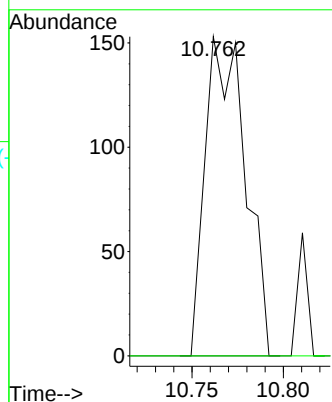
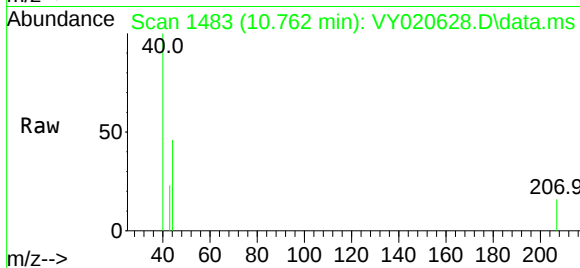
COMP-1A

Tgt Ion: 43 Resp: 234

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.6#



#60

Dibromochloromethane

Concen: 7.688 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.262 min

Lab File: VY020628.D

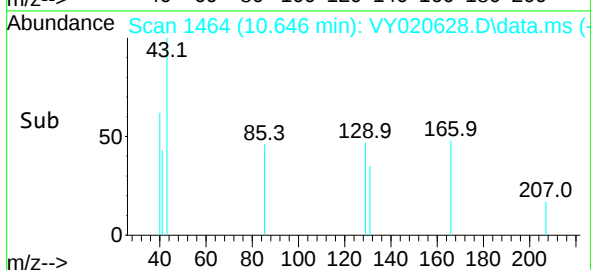
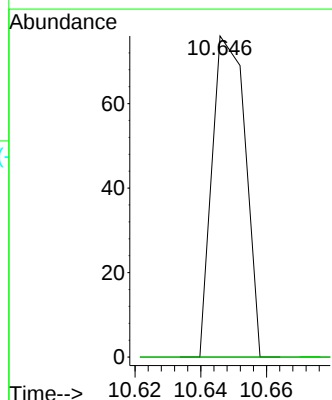
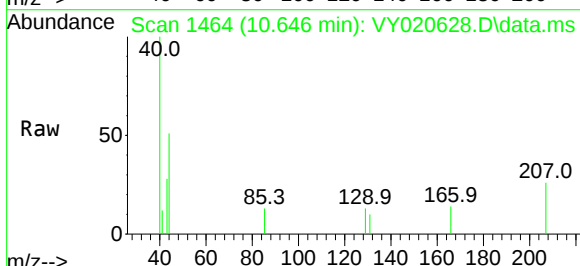
Acq: 18 Dec 2024 12:05

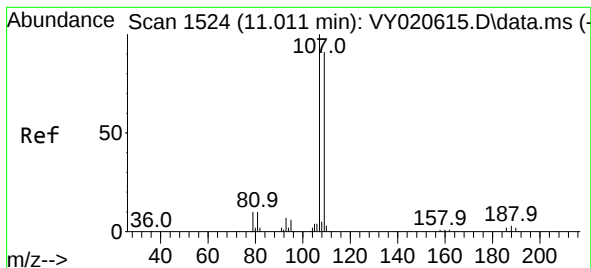
Tgt Ion: 129 Resp: 53

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.3#





#61

1,2-Dibromoethane

Concen: 4.380 ug/l

RT: 11.024 min Scan# 11

Delta R.T. 0.013 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

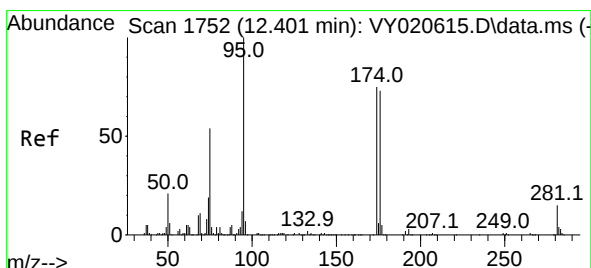
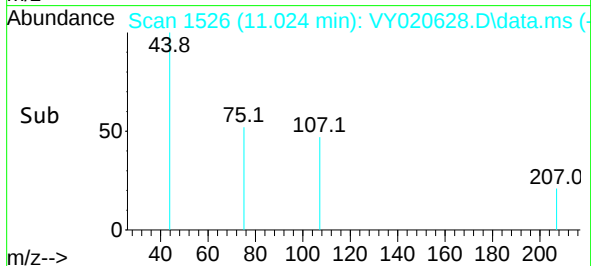
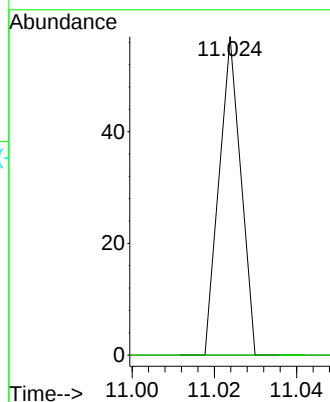
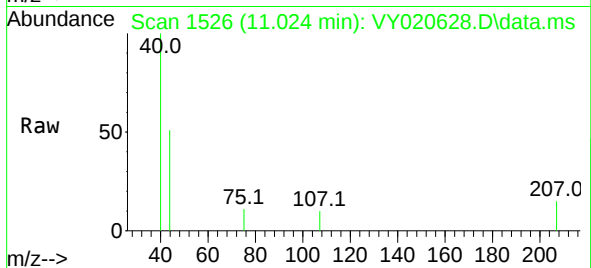
COMP-1A

Tgt Ion:107 Resp: 21

Ion Ratio Lower Upper

107 100

109 0.0 75.4 113.2#



#62

4-Bromofluorobenzene

Concen: 129.850 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

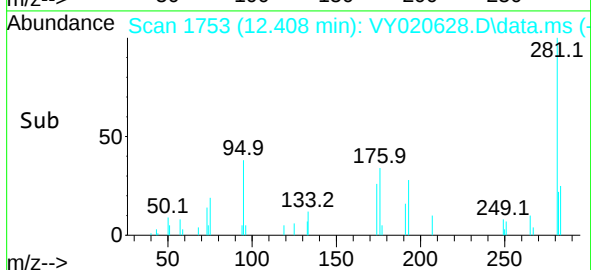
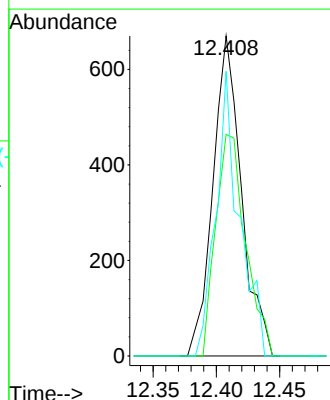
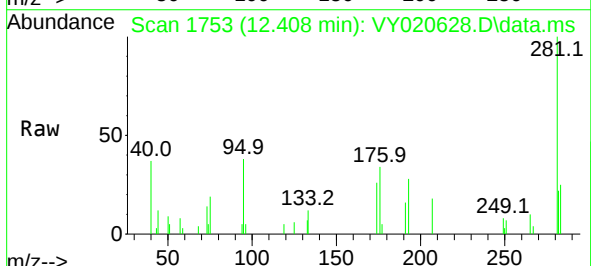
Tgt Ion: 95 Resp: 1050

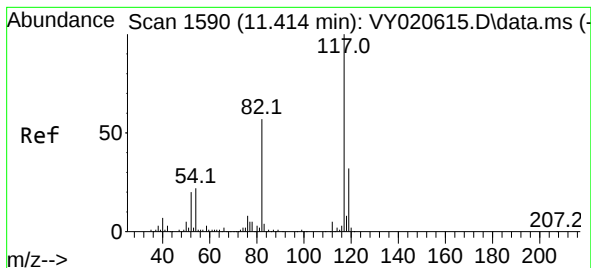
Ion Ratio Lower Upper

95 100

174 72.4 0.0 161.8

176 73.0 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

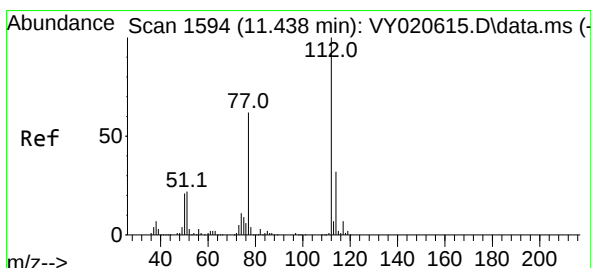
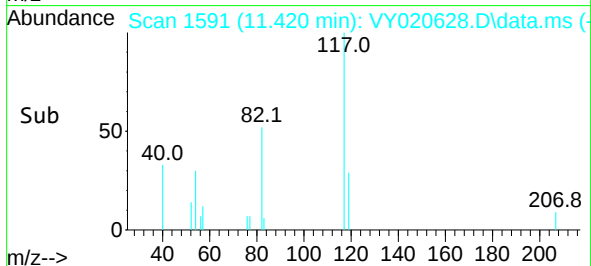
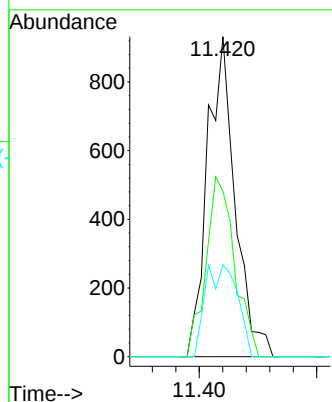
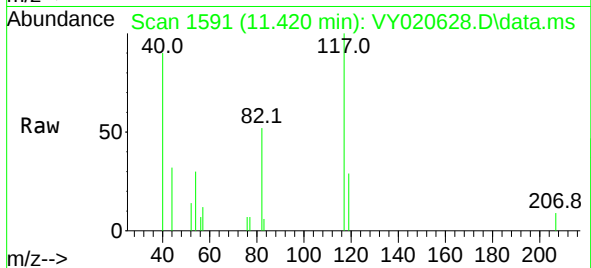
Instrument :

MSVOA_Y

ClientSampleId :

COMP-1A

Tgt Ion:117	Resp:	1524
Ion	Ratio	Lower Upper
117	100	
82	51.7	45.8 68.6
119	28.8	25.3 37.9



#65

Chlorobenzene

Concen: 8.472 ug/l

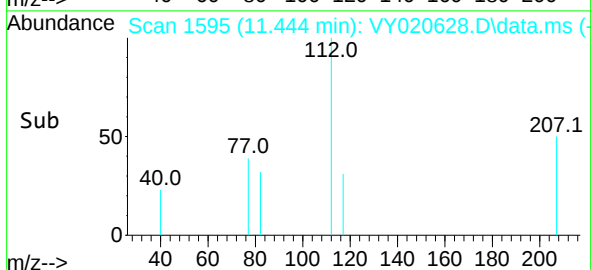
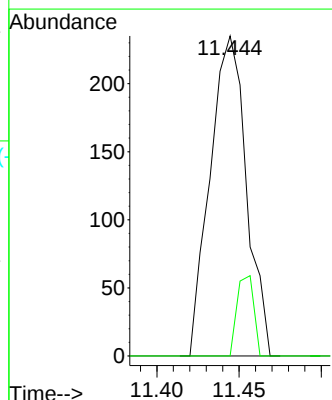
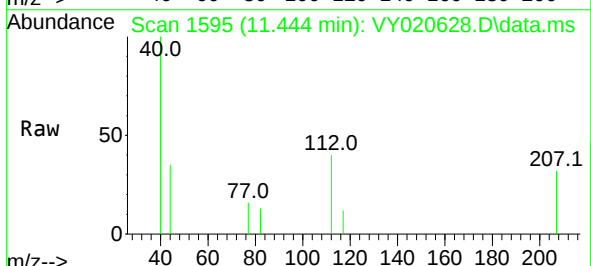
RT: 11.444 min Scan# 1595

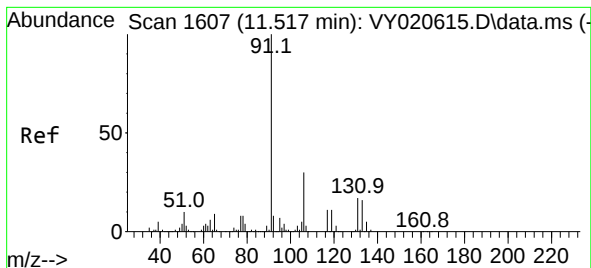
Delta R.T. 0.006 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

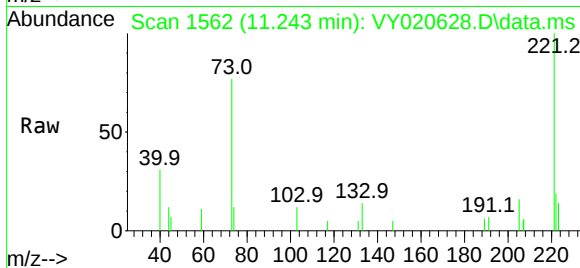
Tgt Ion:112	Resp:	361
Ion	Ratio	Lower Upper
112	100	
114	0.0	26.0 39.0#



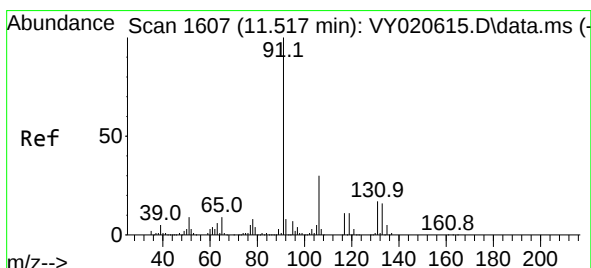
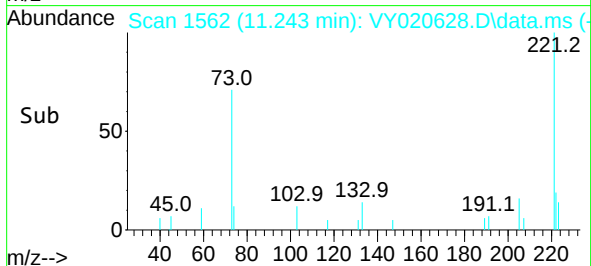
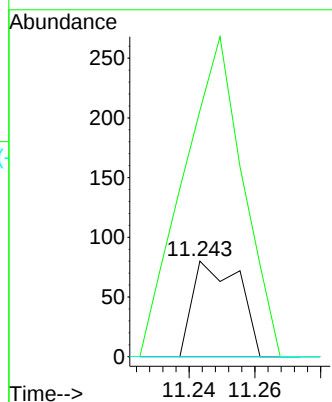


#66
1,1,1,2-Tetrachloroethane
Concen: 5.422 ug/l
RT: 11.243 min Scan# 11
Delta R.T. -0.274 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

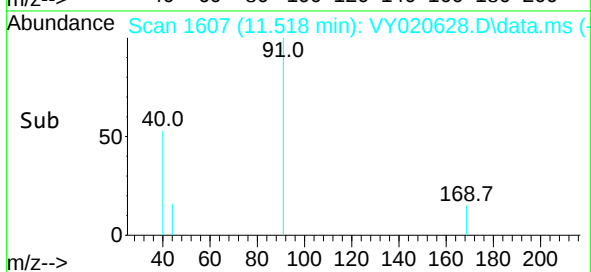
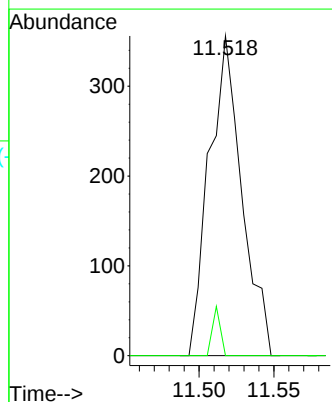
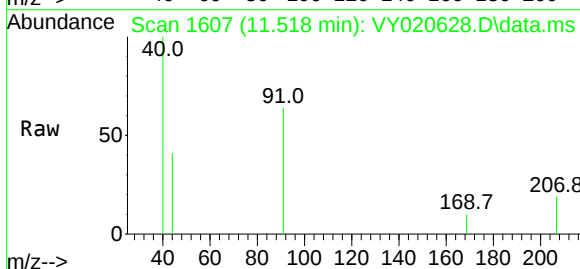


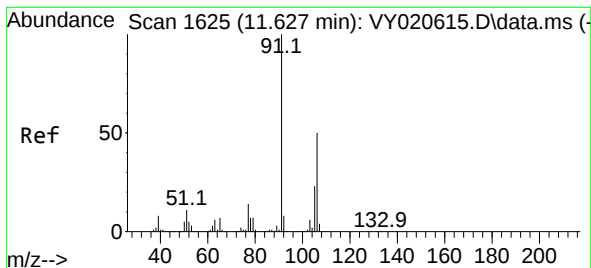
Tgt Ion:131 Resp: 79
Ion Ratio Lower Upper
131 100
133 393.7 46.8 140.3#
119 0.0 31.8 95.3#



#67
Ethyl Benzene
Concen: 6.882 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion: 91 Resp: 541
Ion Ratio Lower Upper
91 100
106 0.0 23.9 35.9#

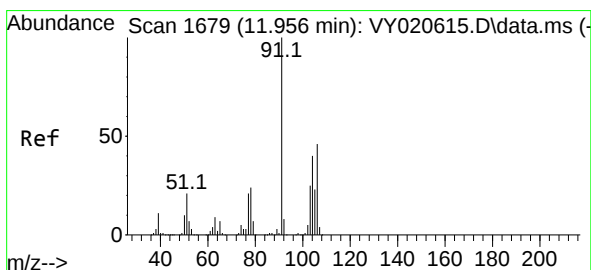
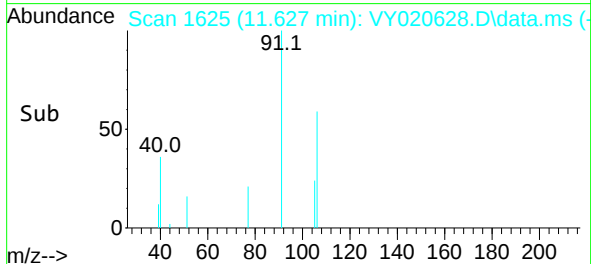
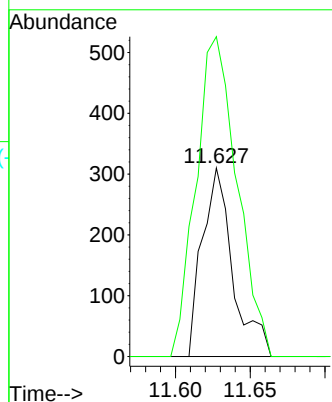
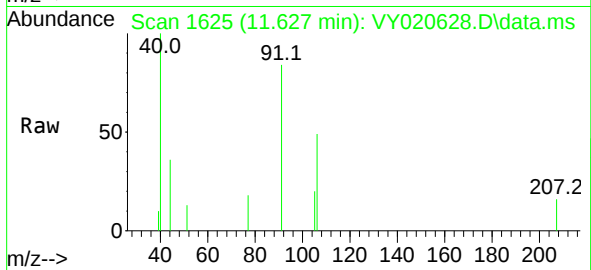




#68
m/p-Xylenes
Concen: 15.053 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

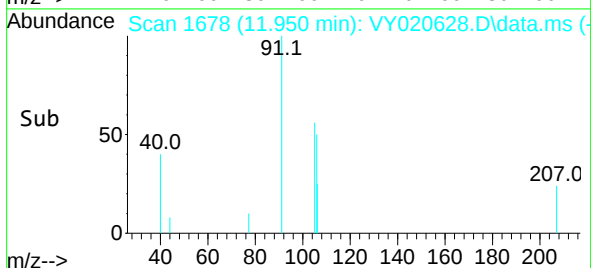
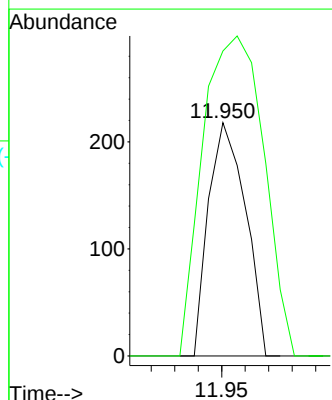
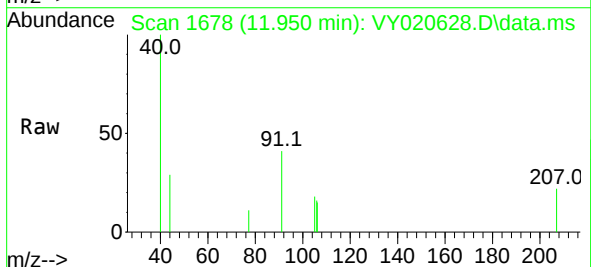
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

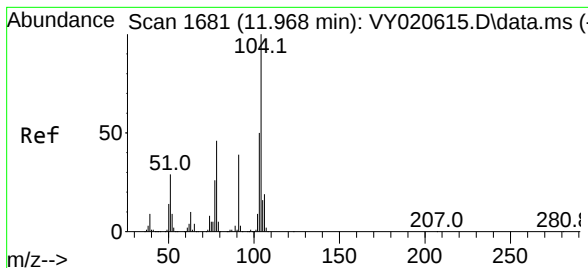
Tgt Ion:106 Resp: 440
Ion Ratio Lower Upper
106 100
91 228.2 165.0 247.4



#69
o-Xylene
Concen: 8.763 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion:106 Resp: 239
Ion Ratio Lower Upper
106 100
91 225.9 108.4 325.2





#70

Styrene

Concen: 10.161 ug/l

RT: 11.975 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1A

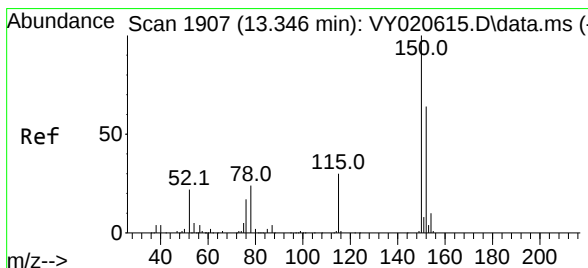
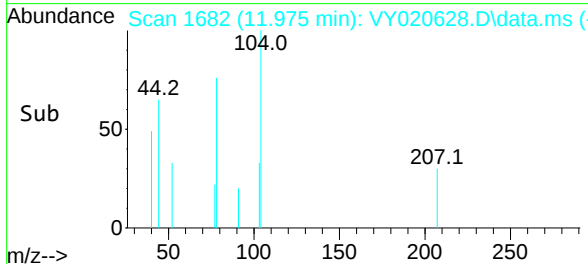
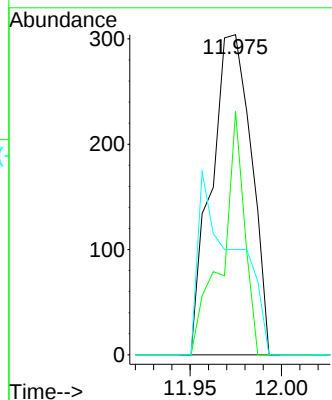
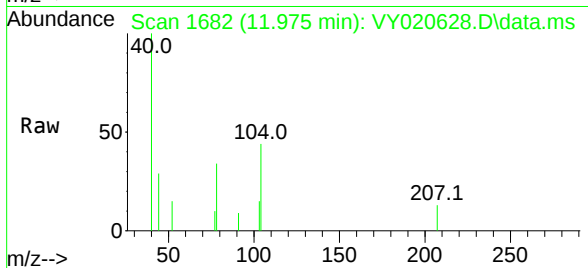
Tgt Ion:104 Resp: 463

Ion Ratio Lower Upper

104 100

78 42.5 41.6 62.4

103 52.1 43.7 65.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

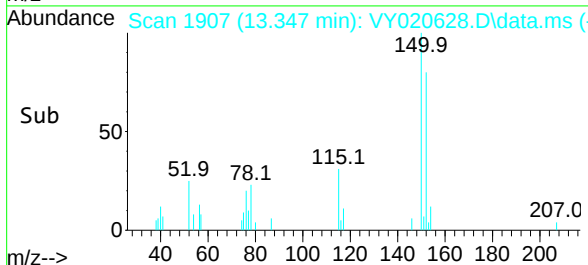
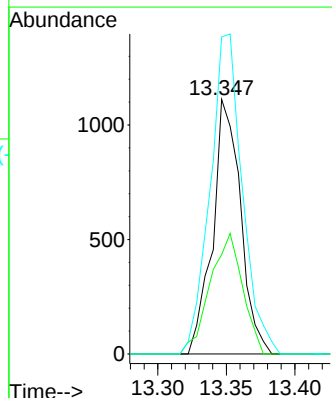
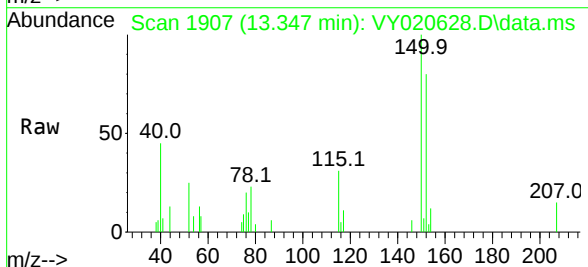
Tgt Ion:152 Resp: 1573

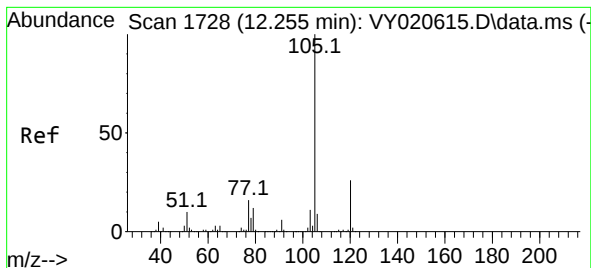
Ion Ratio Lower Upper

152 100

115 55.1 30.2 90.6

150 145.2 0.0 355.4





#73

Isopropylbenzene

Concen: 3.293 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

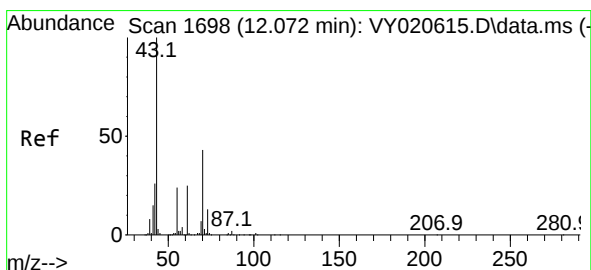
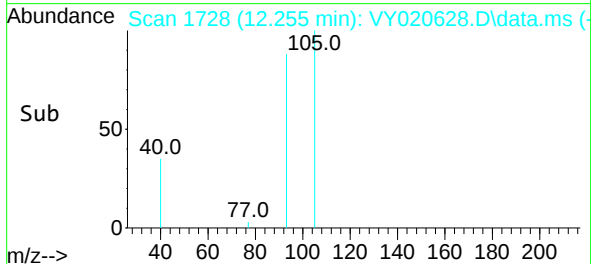
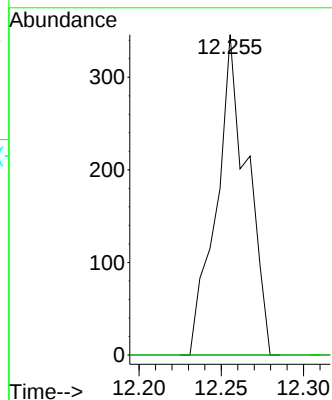
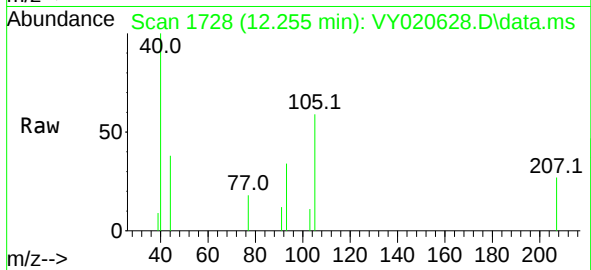
COMP-1A

Tgt Ion:105 Resp: 452

Ion Ratio Lower Upper

105 100

120 0.0 13.1 39.1#



#74

N-ethyl acetate

Concen: 6.661 ug/l

RT: 12.079 min Scan# 1699

Delta R.T. 0.006 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Tgt Ion: 43 Resp: 214

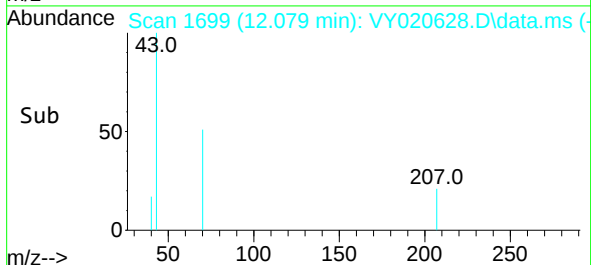
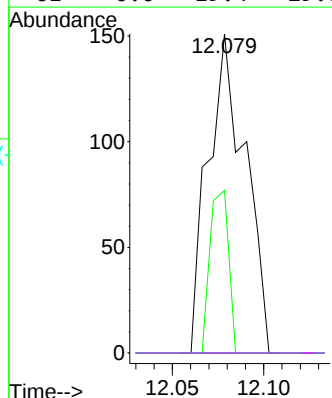
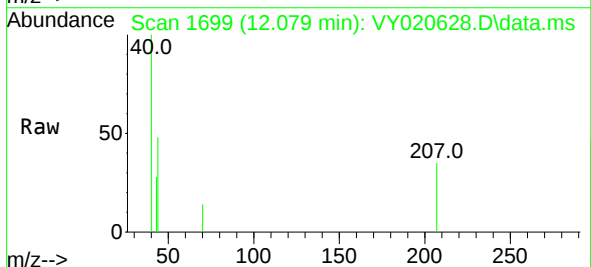
Ion Ratio Lower Upper

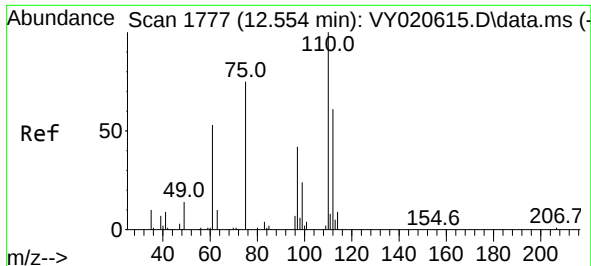
43 100

70 25.7 34.2 51.2#

55 0.0 19.6 29.4#

61 0.0 19.4 29.0#

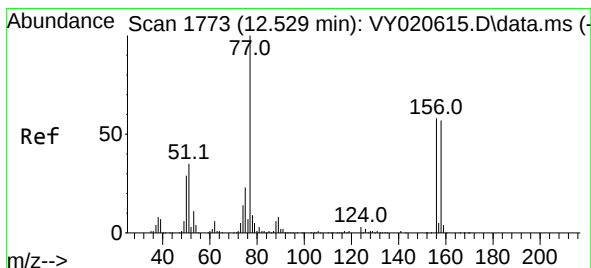
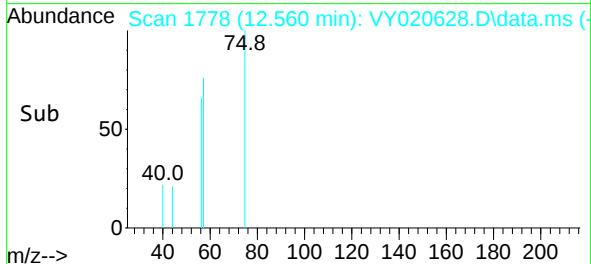
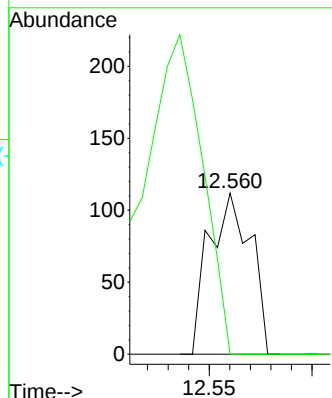
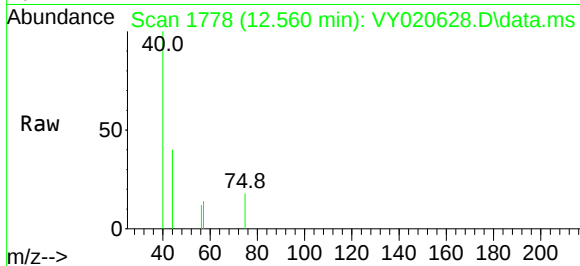




#76
1,2,3-Trichloropropane
Concen: 9.669 ug/l
RT: 12.560 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

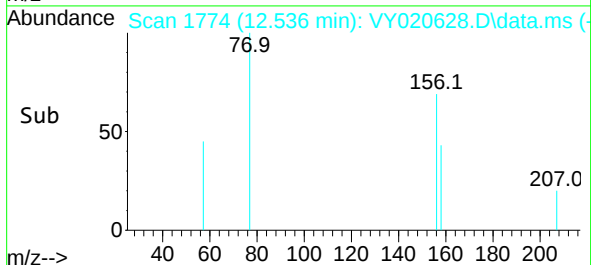
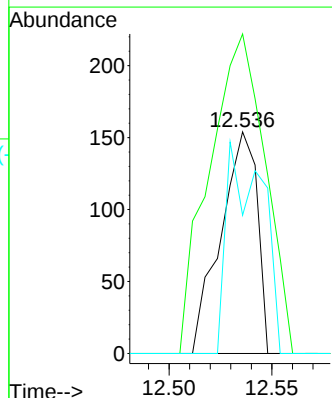
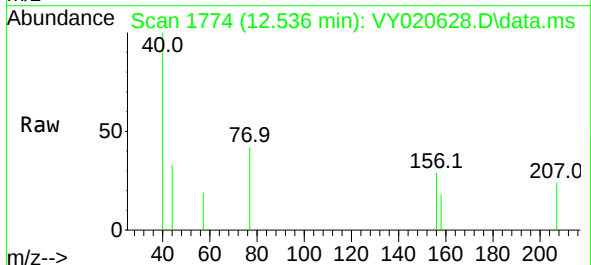
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

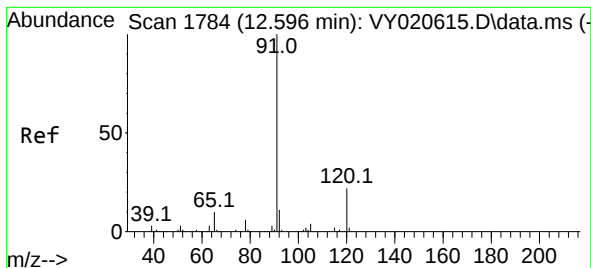
Tgt Ion: 75 Resp: 158
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 6.388 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion:156 Resp: 191
Ion Ratio Lower Upper
156 100
77 219.4 94.2 282.4
158 92.7 48.9 146.6





#78

n-propylbenzene

Concen: 4.136 ug/l

RT: 12.597 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

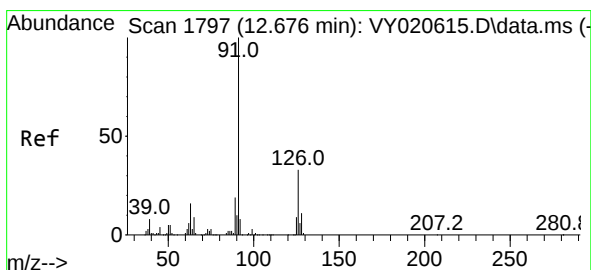
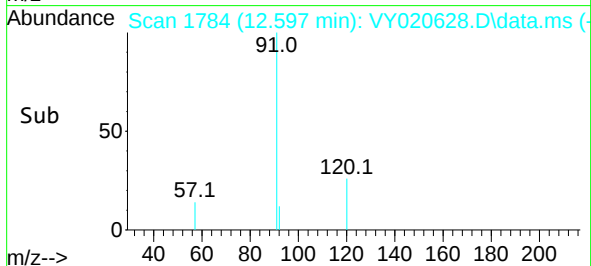
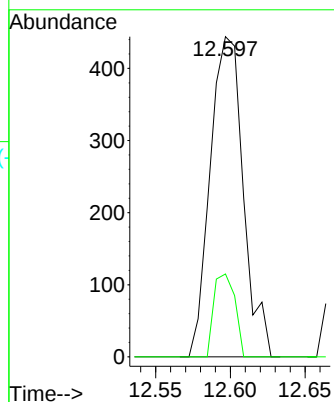
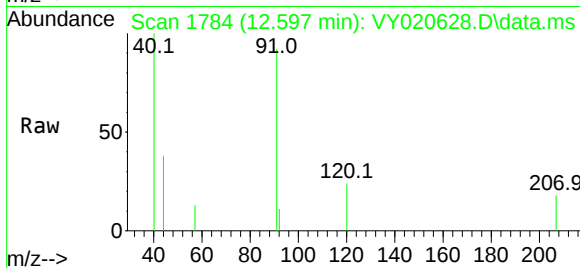
COMP-1A

Tgt Ion: 91 Resp: 684

Ion Ratio Lower Upper

91 100

120 16.5 11.1 33.1



#79

2-Chlorotoluene

Concen: 6.190 ug/l

RT: 12.780 min Scan# 1814

Delta R.T. 0.104 min

Lab File: VY020628.D

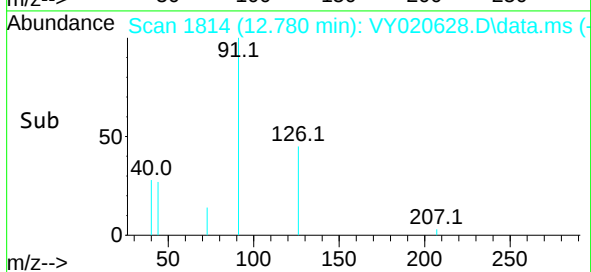
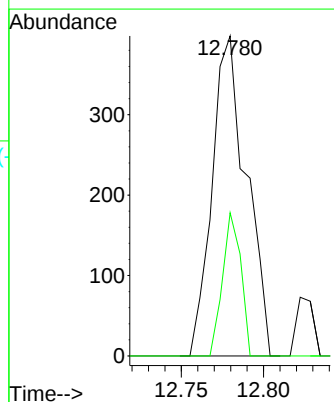
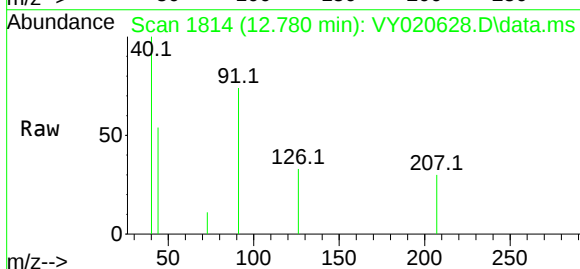
Acq: 18 Dec 2024 12:05

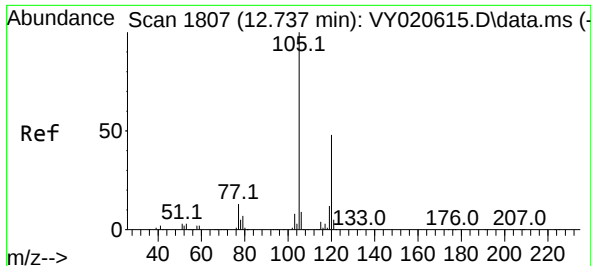
Tgt Ion: 91 Resp: 576

Ion Ratio Lower Upper

91 100

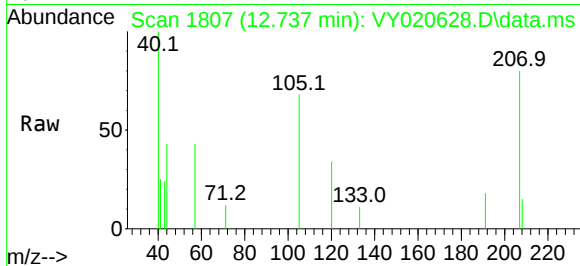
126 23.8 16.6 49.7



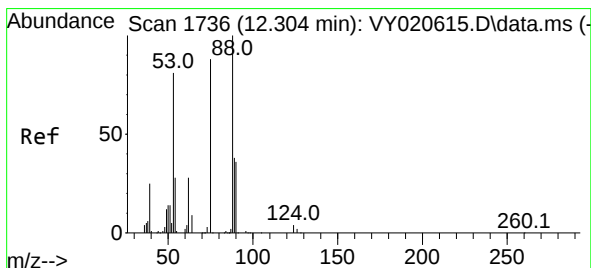
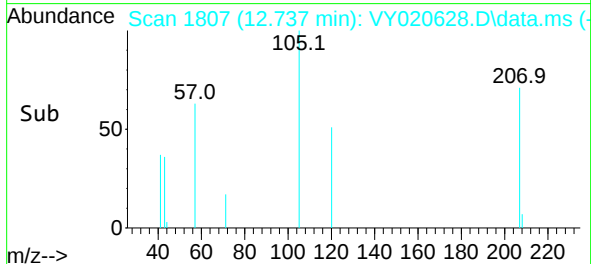
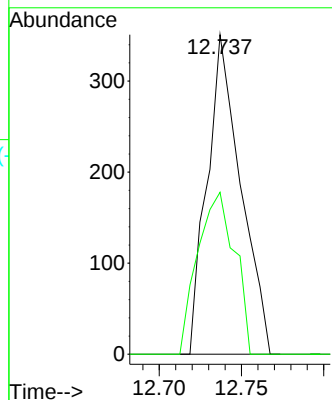


#80
1,3,5-Trimethylbenzene
Concen: 4.462 ug/l
RT: 12.737 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

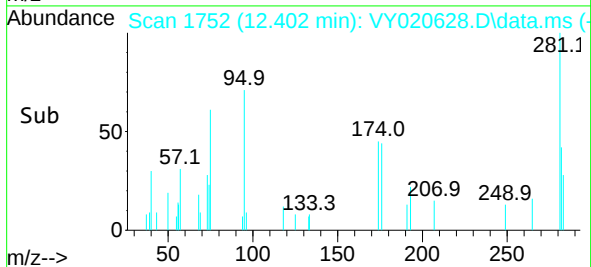
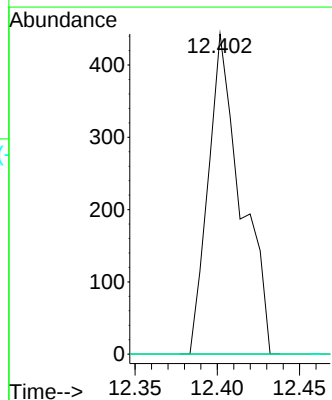
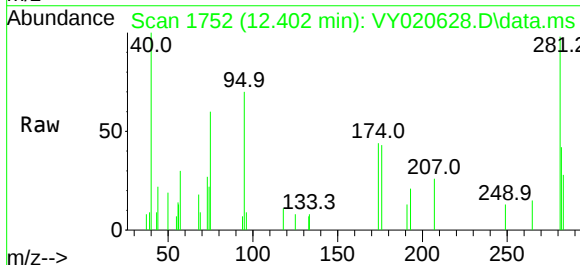


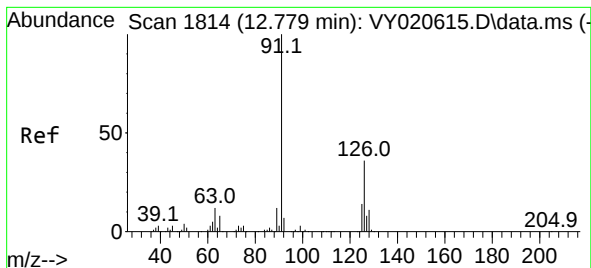
Tgt Ion:105 Resp: 497
Ion Ratio Lower Upper
105 100
120 55.9 23.9 71.7



#81
trans-1,4-Dichloro-2-butene
Concen: 78.873 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion: 75 Resp: 614
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 37.0 55.4#

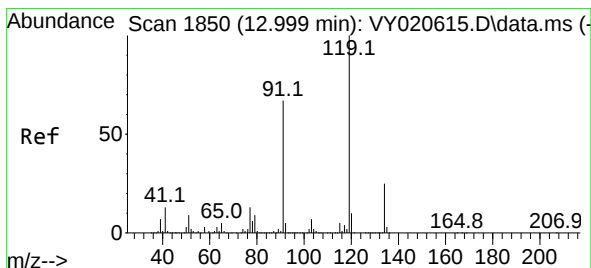
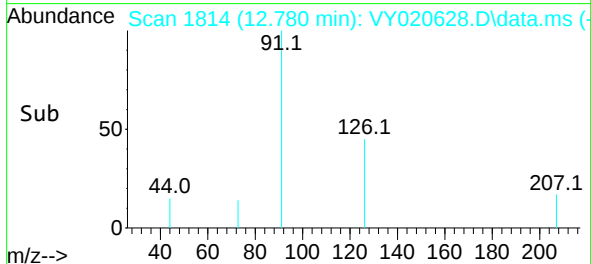
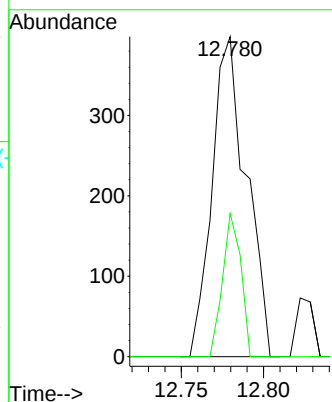
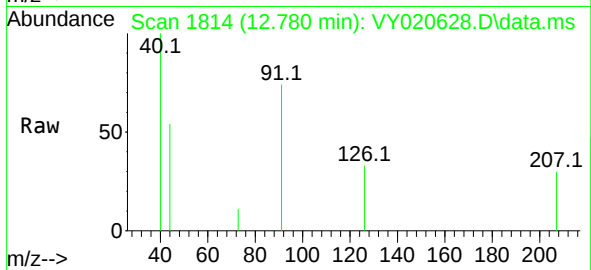




#82
4-Chlorotoluene
Concen: 5.967 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

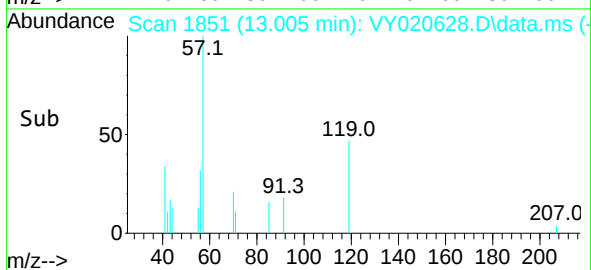
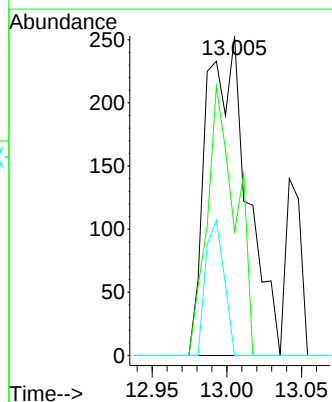
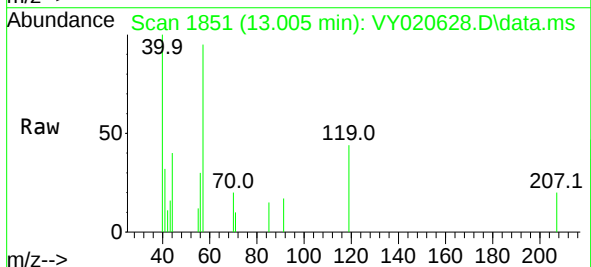
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

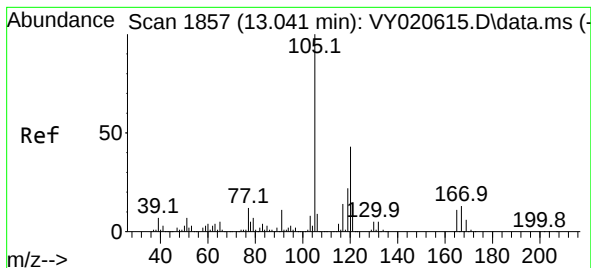
Tgt Ion: 91 Resp: 576
Ion Ratio Lower Upper
91 100
126 23.8 16.6 49.7



#83
tert-Butylbenzene
Concen: 4.788 ug/l
RT: 13.005 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion: 119 Resp: 483
Ion Ratio Lower Upper
119 100
91 58.8 32.9 98.6
134 19.0 13.1 39.1





#84

1,2,4-Trimethylbenzene

Concen: 5.062 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

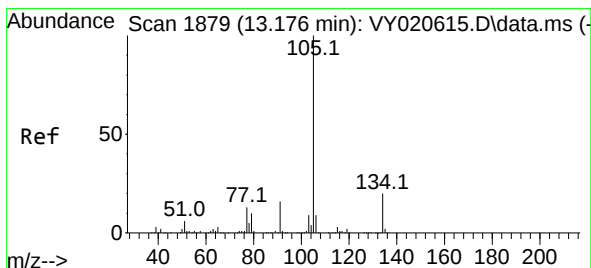
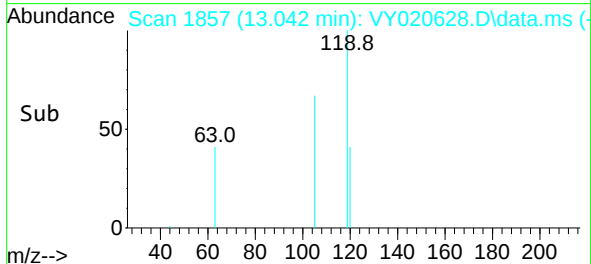
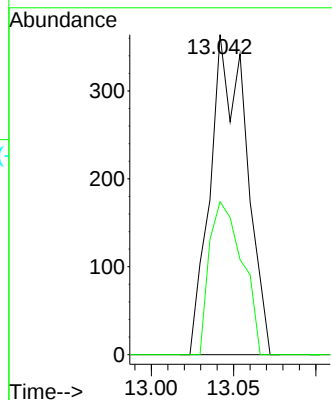
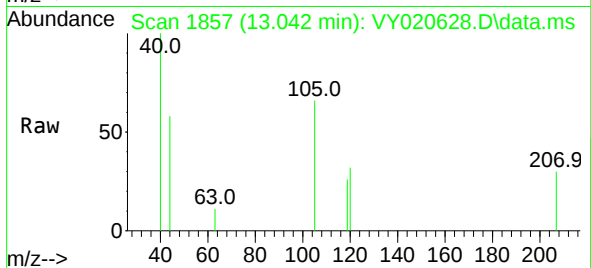
COMP-1A

Tgt Ion:105 Resp: 553

Ion Ratio Lower Upper

105 100

120 43.6 21.8 65.4



#85

sec-Butylbenzene

Concen: 4.657 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY020628.D

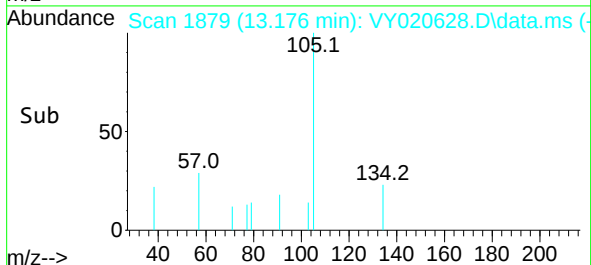
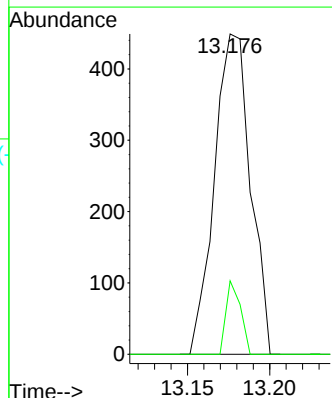
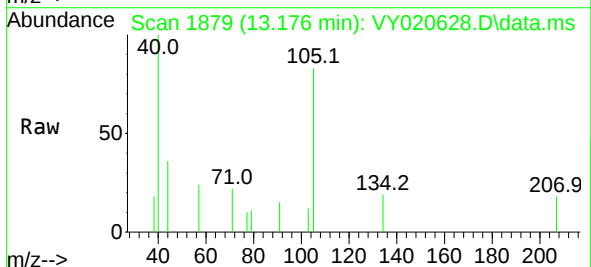
Acq: 18 Dec 2024 12:05

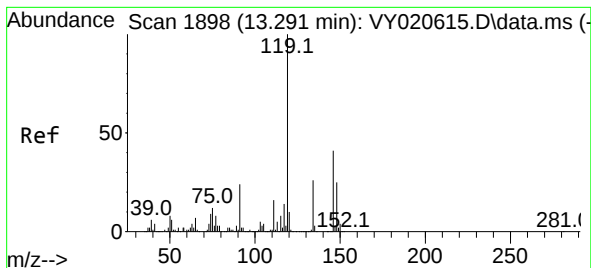
Tgt Ion:105 Resp: 683

Ion Ratio Lower Upper

105 100

134 9.2 10.0 30.0#

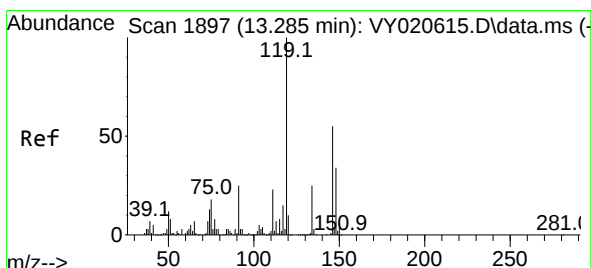
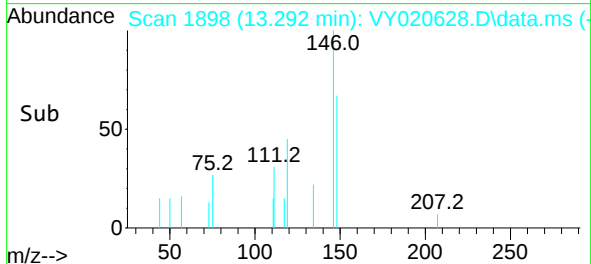
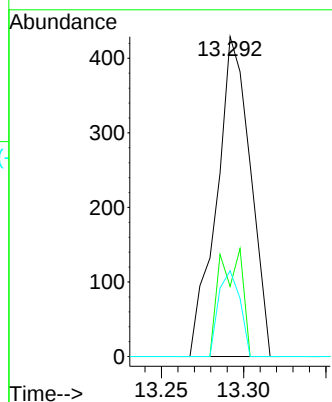
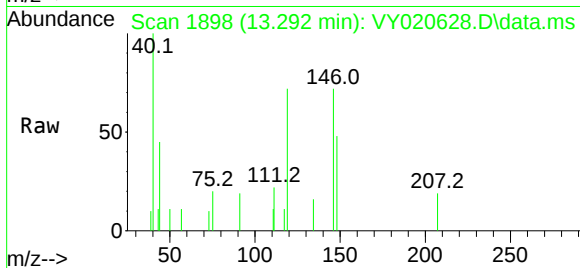




#86
p-Isopropyltoluene
Concen: 5.053 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

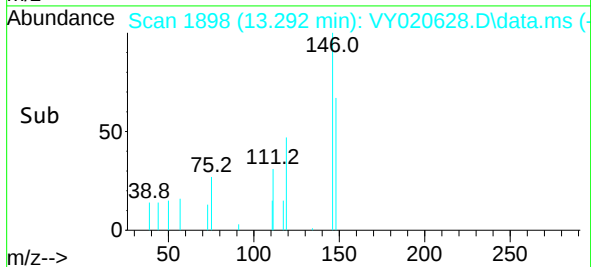
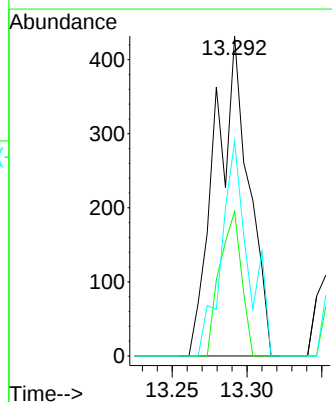
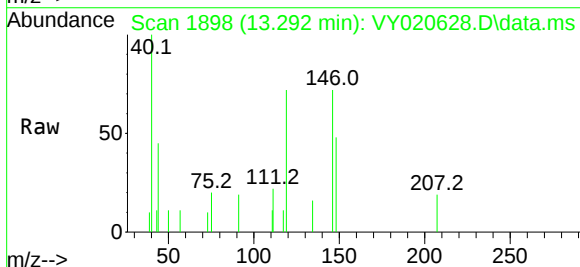
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

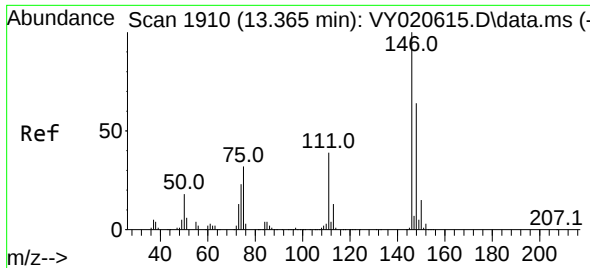
Tgt Ion:	119	Resp:	611
Ion	Ratio	Lower	Upper
119	100		
134	22.6	12.9	38.6
91	17.0	12.1	36.3



#87
1,3-Dichlorobenzene
Concen: 11.470 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion:	146	Resp:	677
Ion	Ratio	Lower	Upper
146	100		
111	29.0	20.6	61.8
148	53.3	31.4	94.0

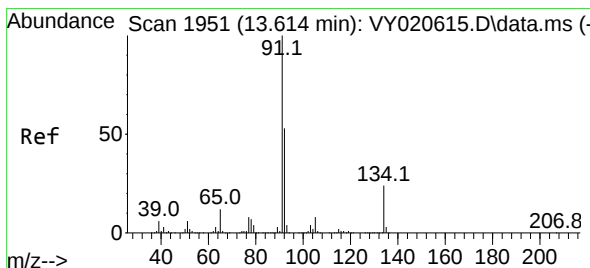
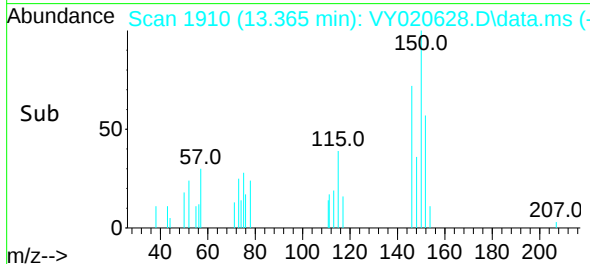
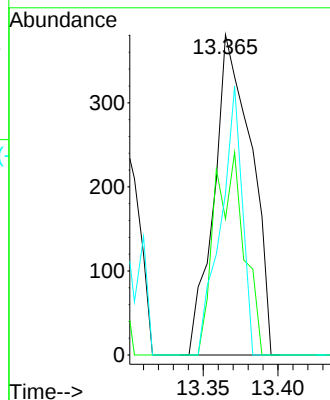
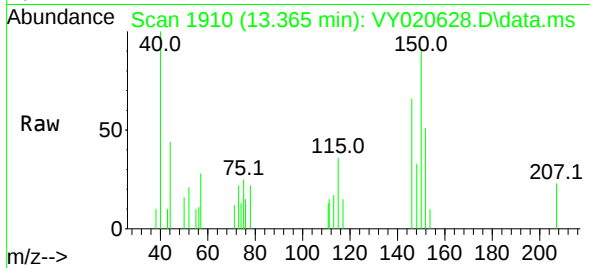




#88
1,4-Dichlorobenzene
Concen: 11.307 ug/l
RT: 13.365 min Scan# 1910
Delta R.T. 0.000 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

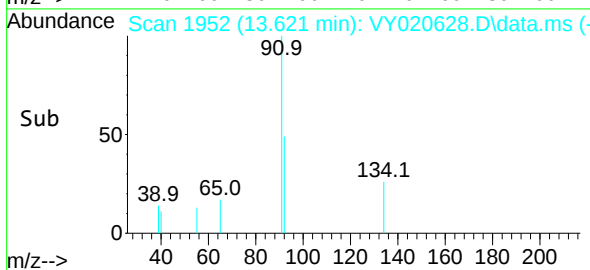
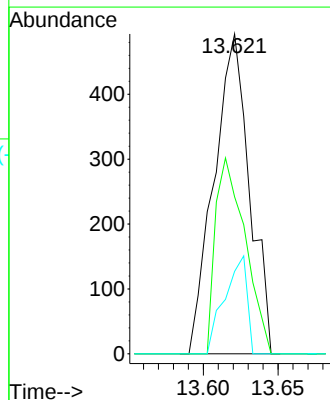
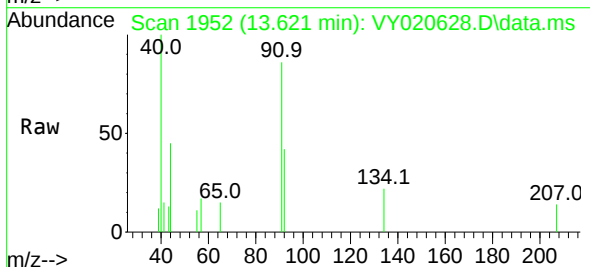
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

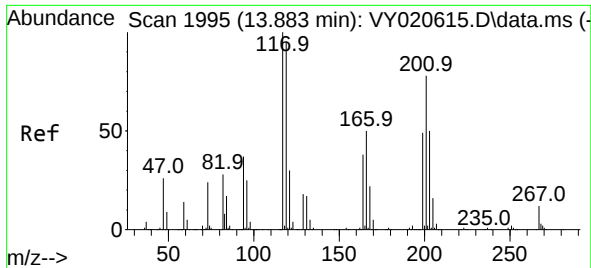
Tgt Ion:	146	Resp:	661
Ion	Ratio	Lower	Upper
146	100		
111	50.1	19.6	58.7
148	48.3	31.9	95.5



#89
n-Butylbenzene
Concen: 7.094 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion:	91	Resp:	813
Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.8	80.4
134	19.3	12.5	37.5

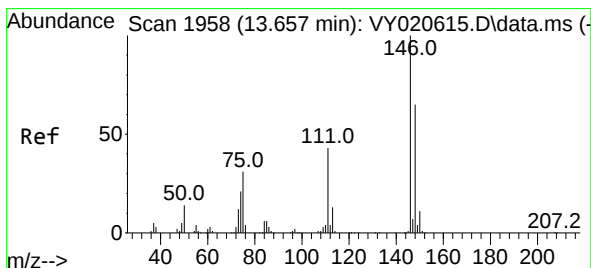
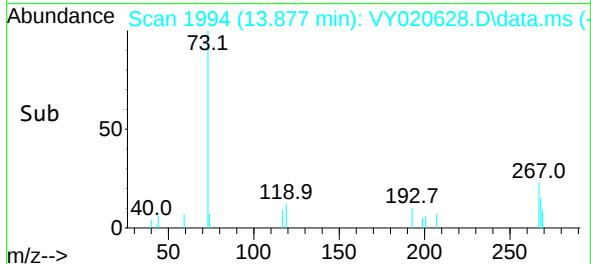
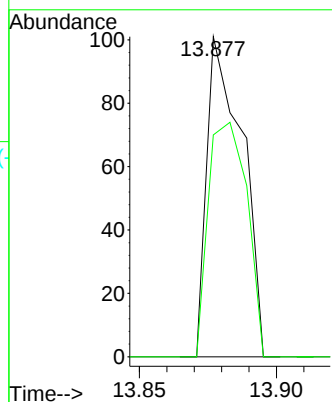
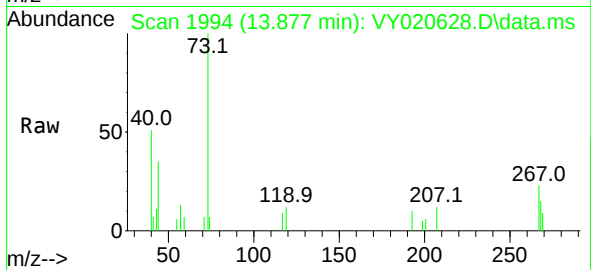




#90
Hexachloroethane
Concen: 3.756 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

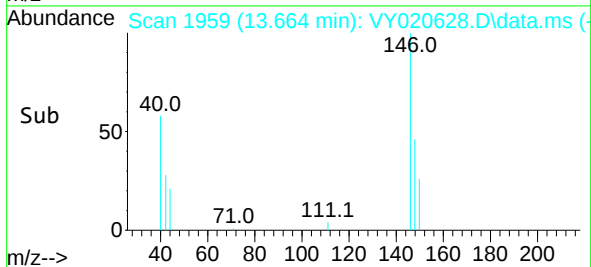
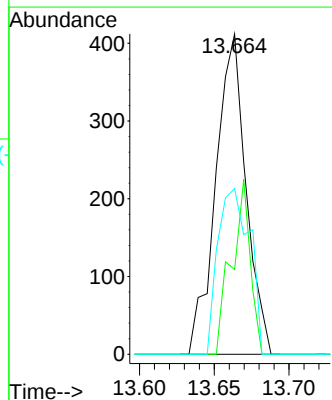
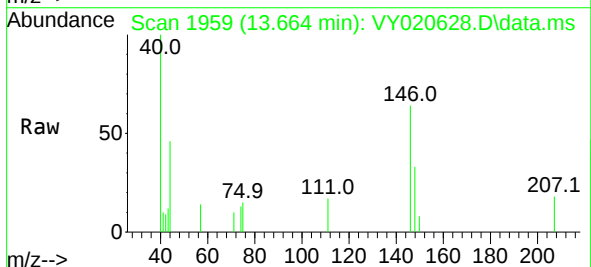
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1A

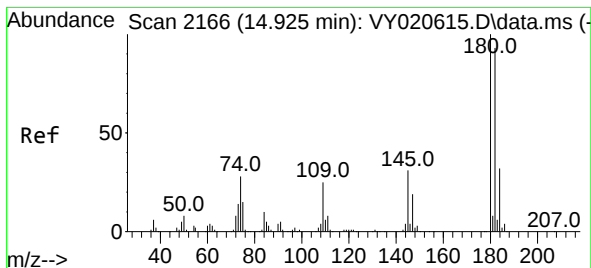
Tgt Ion:117 Resp: 90
Ion Ratio Lower Upper
117 100
201 80.0 39.1 117.3



#91
1,2-Dichlorobenzene
Concen: 11.341 ug/l
RT: 13.664 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY020628.D
Acq: 18 Dec 2024 12:05

Tgt Ion:146 Resp: 580
Ion Ratio Lower Upper
146 100
111 33.8 21.3 63.7
148 54.5 32.0 96.0





#93

1,2,4-Trichlorobenzene

Concen: 25.958 ug/l

RT: 14.926 min Scan# 2166

Delta R.T. 0.000 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1A

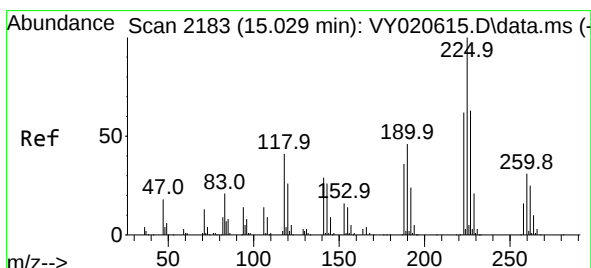
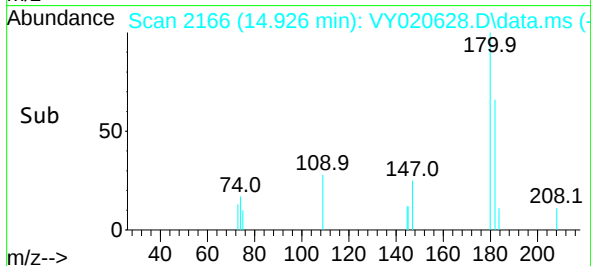
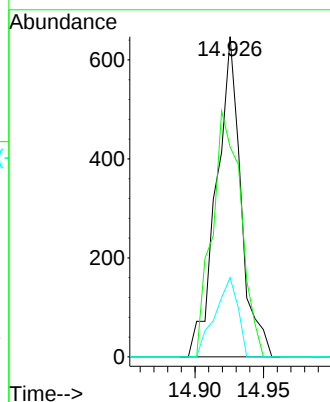
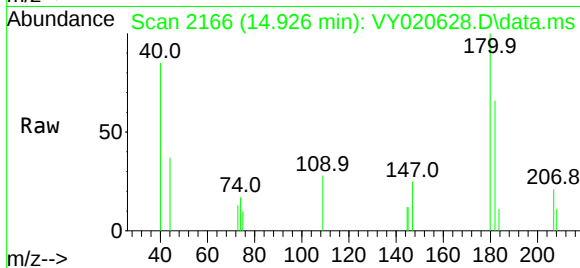
Tgt Ion:180 Resp: 803

Ion Ratio Lower Upper

180 100

182 89.9 47.9 143.6

145 22.9 15.6 46.7



#94

Hexachlorobutadiene

Concen: 18.445 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.000 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

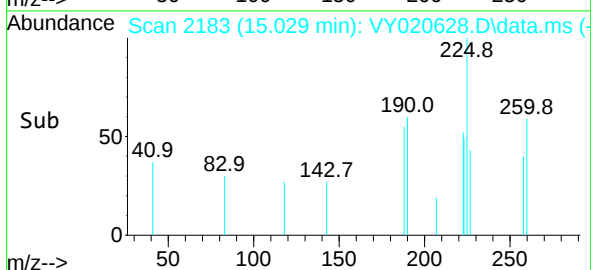
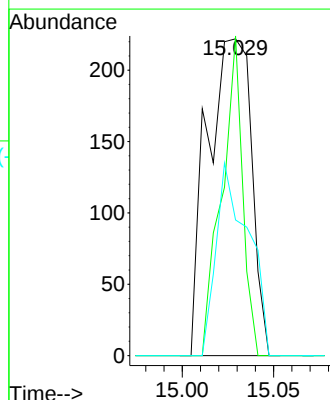
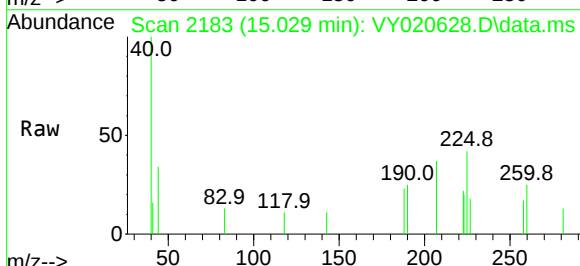
Tgt Ion:225 Resp: 373

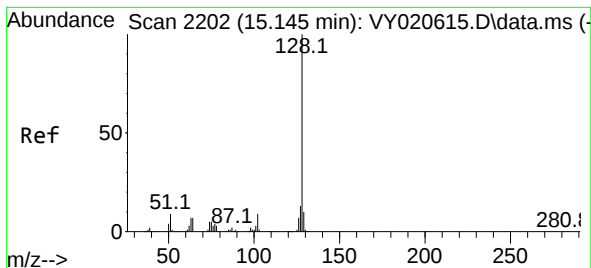
Ion Ratio Lower Upper

225 100

223 47.7 31.8 95.3

227 44.2 32.2 96.6





#95

Naphthalene

Concen: 27.643 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1A

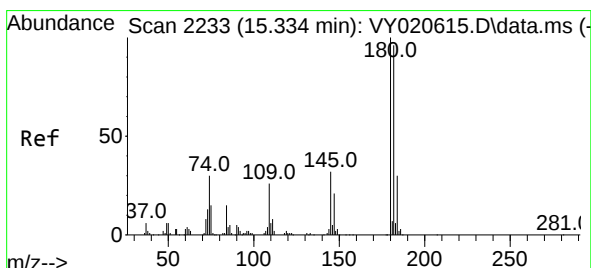
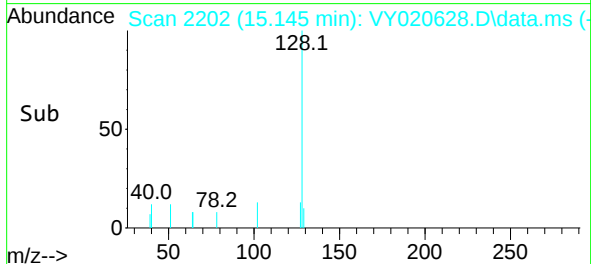
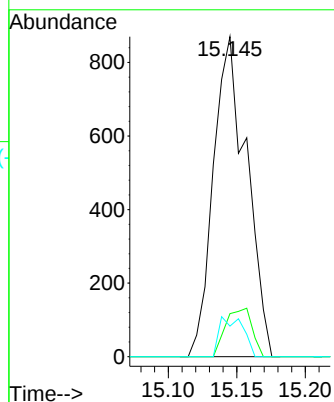
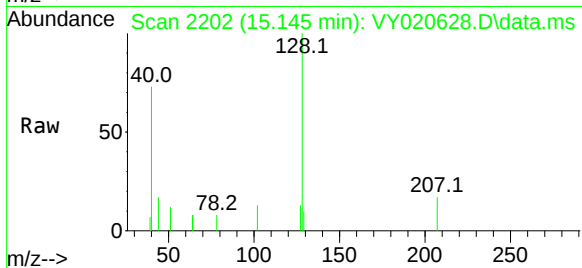
Tgt Ion:128 Resp: 1466

Ion Ratio Lower Upper

128 100

127 12.0 10.7 16.1

129 8.9 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 28.351 ug/l

RT: 15.340 min Scan# 2234

Delta R.T. 0.006 min

Lab File: VY020628.D

Acq: 18 Dec 2024 12:05

Tgt Ion:180 Resp: 741

Ion Ratio Lower Upper

180 100

182 86.6 47.3 141.9

145 32.4 16.0 48.0

