

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021582.D
 Acq On : 20 Mar 2025 15:11
 Operator : SY/MD
 Sample : Q1606-09
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT28607

Quant Time: Mar 21 01:33:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	1469	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.621	114	2056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1212	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	165	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	1172	75.484	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.960%	
35) Dibromofluoromethane	7.634	113	744	55.052	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.100%	
50) Toluene-d8	10.109	98	2207	43.131	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 86.260%	
62) 4-Bromofluorobenzene	12.407	95	287	16.489	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 32.980%	

Target Compounds			Qvalue			
3) Chloromethane	2.074	50	294	15.469	ug/l	# 75
4) Vinyl Chloride	2.183	62	23	1.107	ug/l	# 42
5) Bromomethane	2.610	94	241	16.055	ug/l	# 89
10) Methyl Iodide	4.019	142	371	22.051	ug/l	# 76
11) Tert butyl alcohol	4.726	59	20	Below Cal	#	72
12) 1,1-Dichloroethene	3.860	96	29	1.922	ug/l	# 1
15) Acrylonitrile	5.250	53	25	7.310	ug/l	# 17
16) Acetone	3.848	43	189	55.811	ug/l	# 47
17) Carbon Disulfide	4.128	76	65	1.374	ug/l	# 75
18) Methyl Acetate	4.415	43	63	8.384	ug/l	# 51
20) Methylene Chloride	4.610	84	56	3.150	ug/l	# 60
25) 2-Butanone	6.896	43	236	50.379	ug/l	# 48
28) Bromochloromethane	7.225	49	19	1.461	ug/l	# 14
29) Tetrahydrofuran	7.189	42	21	7.261	ug/l	# 33
30) Chloroform	7.530	83	47	1.459	ug/l	# 17
36) 1,1-Dichloropropene	7.725	75	172	8.131	ug/l	# 41
37) Ethyl Acetate	7.048	43	27	2.888	ug/l	# 68
39) Methylcyclohexane	9.103	83	29	1.118	ug/l	# 68
40) Benzene	8.085	78	552	8.858	ug/l	# 55
41) Methacrylonitrile	7.250	41	47	9.232	ug/l	# 19
42) 1,2-Dichloroethane	8.121	62	21	1.205	ug/l	# 75
43) Isopropyl Acetate	8.079	43	19	1.047	ug/l	# 1
45) 1,2-Dichloropropane	9.188	63	23	1.551	ug/l	# 42
46) Dibromomethane	9.420	93	19	2.302	ug/l	# 4
47) Bromodichloromethane	9.164	83	25	1.141	ug/l	# 25
48) Methyl methacrylate	9.200	41	19	2.280	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.005	43	266	28.403	ug/l	# 48
52) Toluene	10.176	92	2455	62.488	ug/l	# 99
53) t-1,3-Dichloropropene	10.164	75	32	1.657	ug/l	# 43
55) 1,1,2-Trichloroethane	10.511	97	19	1.760	ug/l	# 14
57) 1,3-Dichloropropane	10.755	76	22	1.176	ug/l	# 42
58) 2-Chloroethyl Vinyl ether	9.536	63	45	7.081	ug/l	# 47
59) 2-Hexanone	10.895	43	22	3.553	ug/l	# 24
61) 1,2-Dibromoethane	11.151	107	20	1.963	ug/l	# 2
67) Ethyl Benzene	11.517	91	171	3.404	ug/l	# 44
73) Isopropylbenzene	12.261	105	287	22.081	ug/l	# 64

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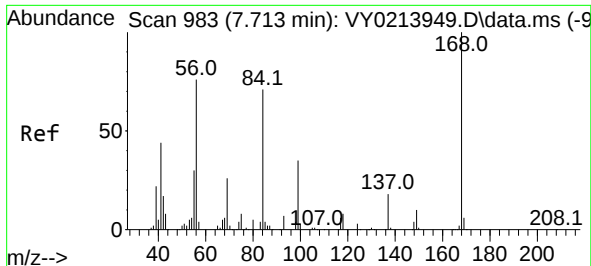
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT28607

Quant Time: Mar 21 01:33:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

74) N-amyl acetate	12.035	43	339	120.097	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.566	83	189	82.403	ug/l #	26
76) 1,2,3-Trichloropropane	12.407	75	112	67.361	ug/l #	100
78) n-propylbenzene	12.602	91	231	14.634	ug/l #	53
79) 2-Chlorotoluene	12.694	91	20	2.216	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.749	105	51	4.828	ug/l #	28
81) trans-1,4-Dichloro-2-b...	12.407	75	112	153.133	ug/l #	9
82) 4-Chlorotoluene	12.694	91	20	2.140	ug/l #	41
83) tert-Butylbenzene	12.993	119	28	2.972	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.169	105	650	61.980	ug/l #	31
85) sec-Butylbenzene	13.169	105	650	46.363	ug/l #	77
86) p-Isopropyltoluene	13.297	119	23	1.991	ug/l #	1
89) n-Butylbenzene	13.627	91	226	21.190	ug/l	95
90) Hexachloroethane	13.895	117	205	83.198	ug/l #	12
91) 1,2-Dichlorobenzene	13.657	146	23	4.434	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.279	75	24	69.854	ug/l #	1
95) Naphthalene	15.151	128	241	50.285	ug/l #	69

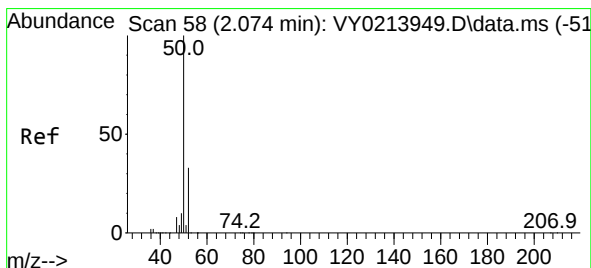
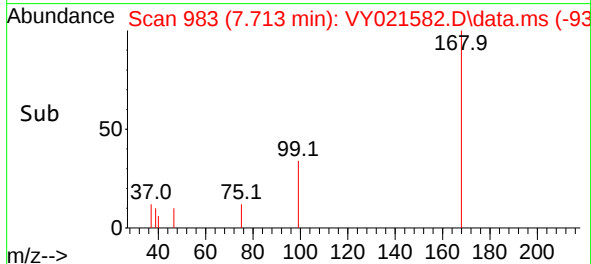
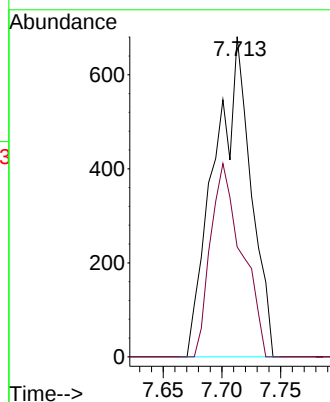
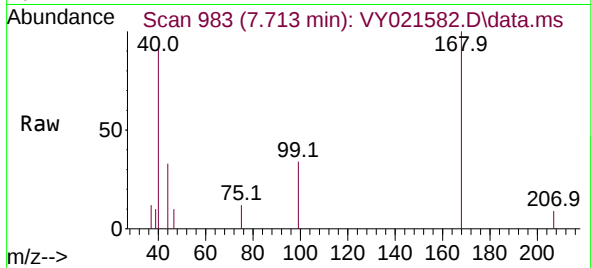
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

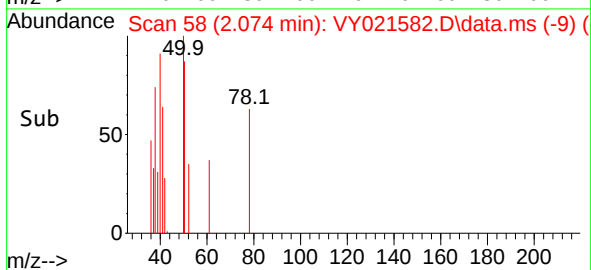
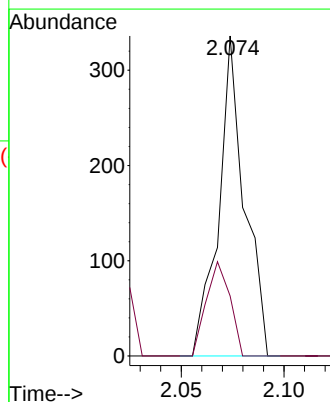
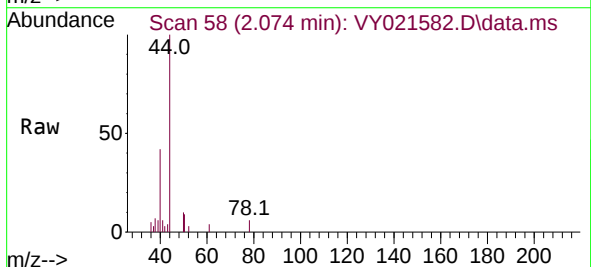
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

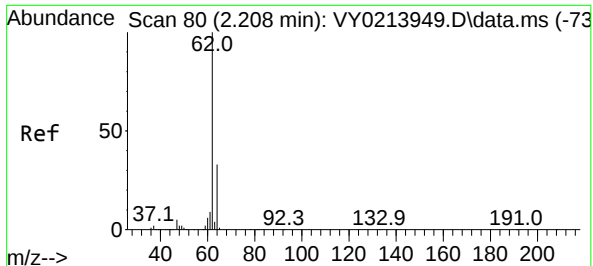
Tgt Ion:168 Resp: 1469
Ion Ratio Lower Upper
168 100
99 34.4 46.0 69.0#



#3
Chloromethane
Concen: 15.469 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 50 Resp: 294
Ion Ratio Lower Upper
50 100
52 18.8 26.2 39.2#

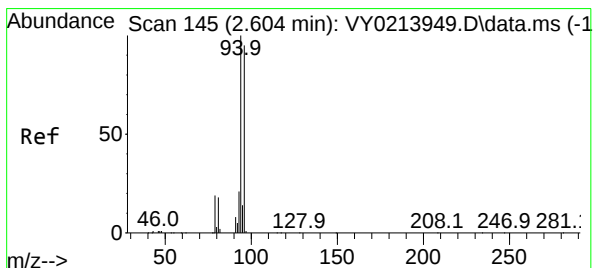
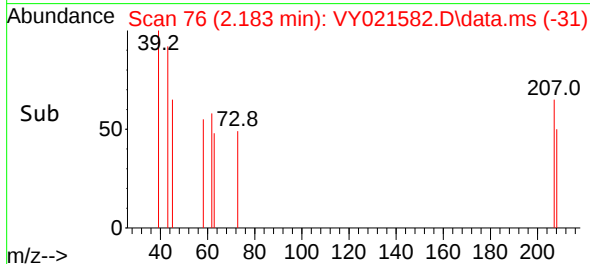
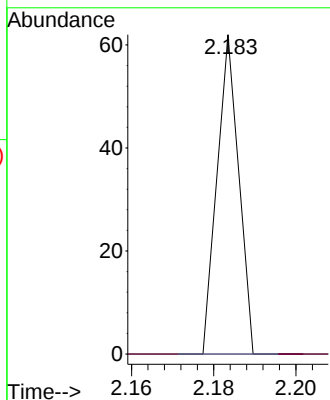
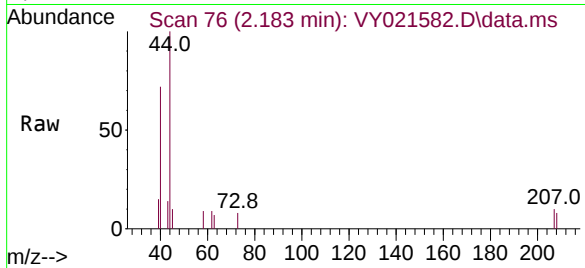




#4
 Vinyl Chloride
 Concen: 1.107 ug/l
 RT: 2.183 min Scan# 70
 Delta R.T. -0.024 min
 Lab File: VY021582.D
 Acq: 20 Mar 2025 15:11

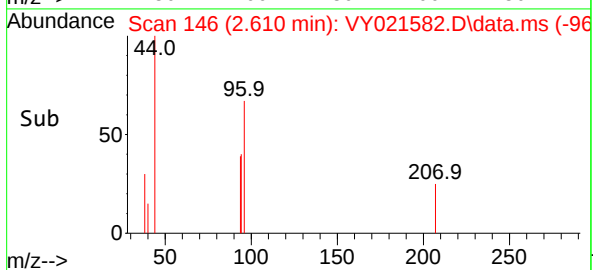
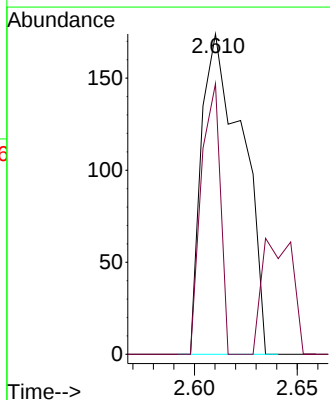
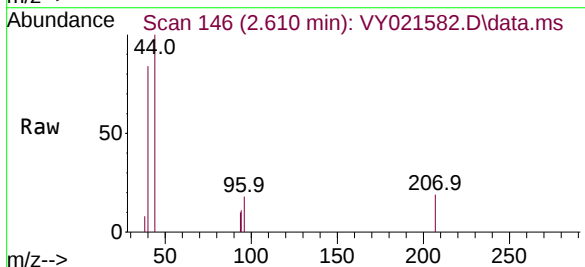
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT28607

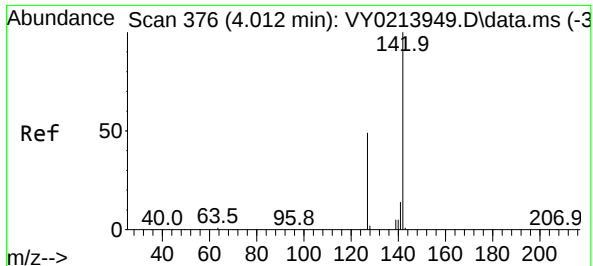
Tgt Ion: 62 Resp: 23
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.2 39.2#



#5
 Bromomethane
 Concen: 16.055 ug/l
 RT: 2.610 min Scan# 146
 Delta R.T. 0.006 min
 Lab File: VY021582.D
 Acq: 20 Mar 2025 15:11

Tgt Ion: 94 Resp: 241
 Ion Ratio Lower Upper
 94 100
 96 84.5 76.3 114.5





#10

Methyl Iodide

Concen: 22.051 ug/l

RT: 4.019 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY021582.D

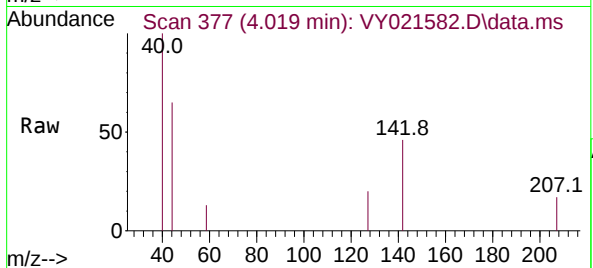
Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

CHRT28607



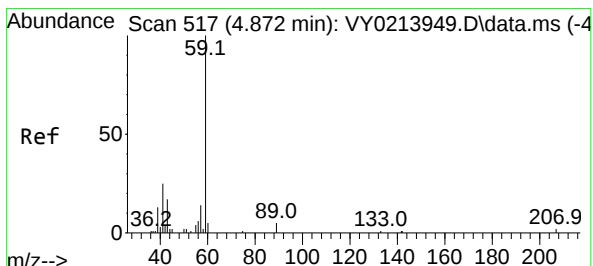
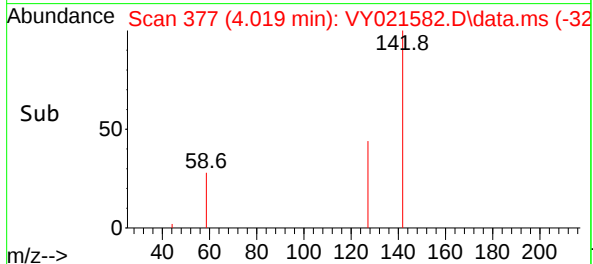
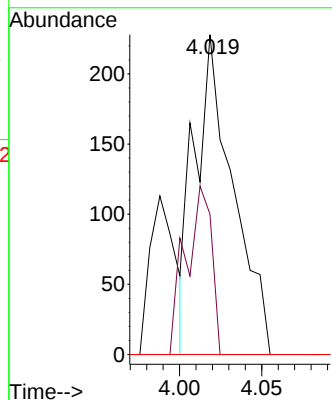
Tgt Ion:142 Resp: 371

Ion Ratio Lower Upper

142 100

127 35.3 39.1 58.7#

141 0.0 11.8 17.6#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.726 min Scan# 493

Delta R.T. -0.146 min

Lab File: VY021582.D

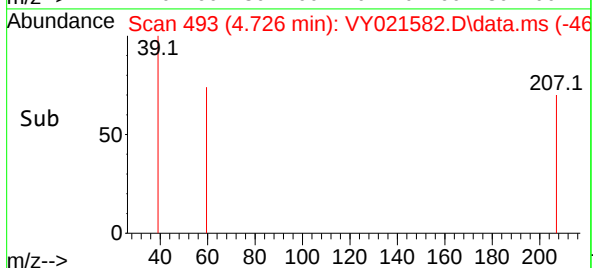
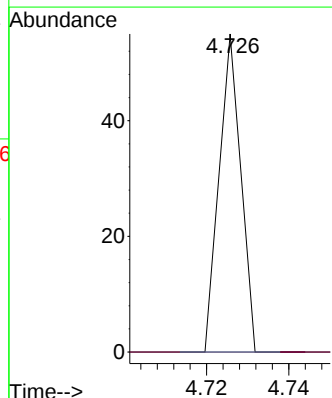
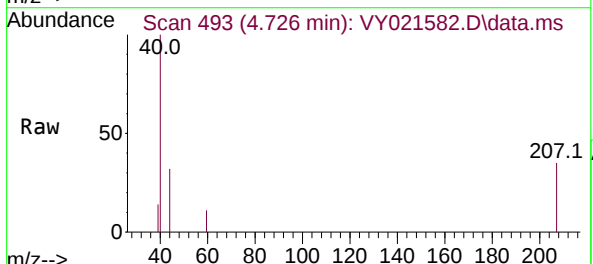
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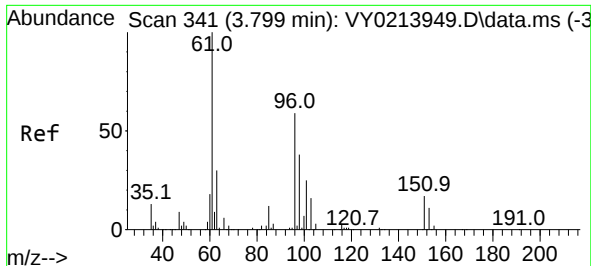
Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 1.922 ug/l

RT: 3.860 min Scan# 3

Delta R.T. 0.061 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

CHRT28607

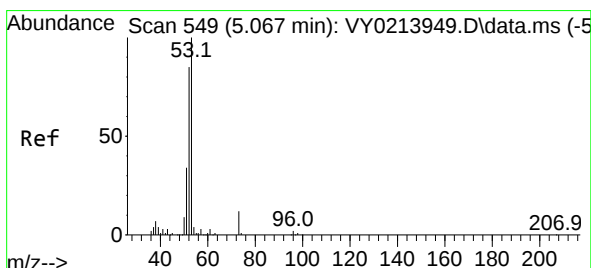
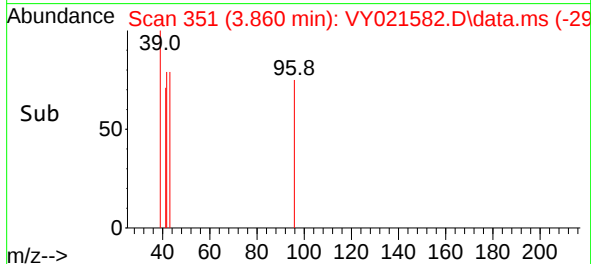
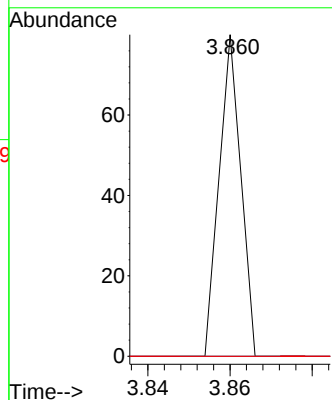
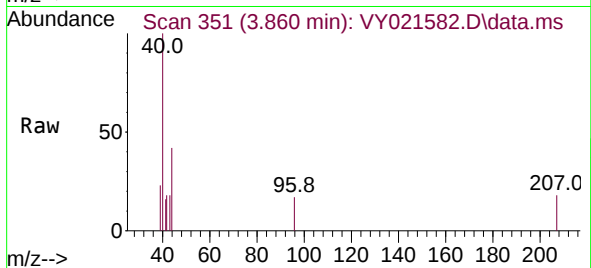
Tgt Ion: 96 Resp: 29

Ion Ratio Lower Upper

96 100

61 0.0 135.2 202.8#

98 0.0 51.4 77.2#



#15

Acrylonitrile

Concen: 7.310 ug/l

RT: 5.250 min Scan# 579

Delta R.T. 0.183 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

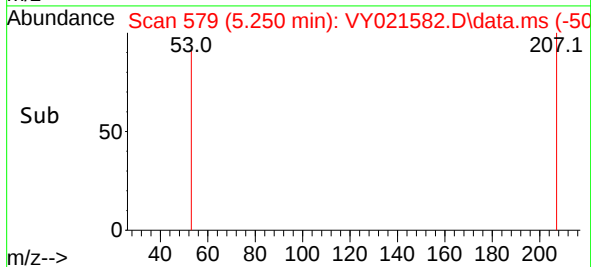
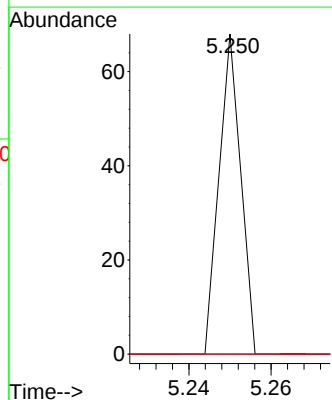
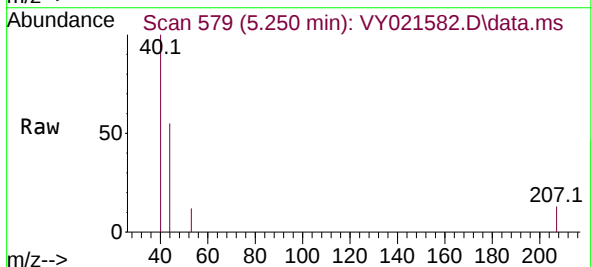
Tgt Ion: 53 Resp: 25

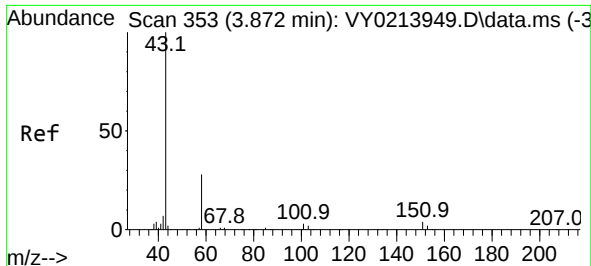
Ion Ratio Lower Upper

53 100

52 0.0 66.3 99.5#

51 0.0 30.3 45.5#

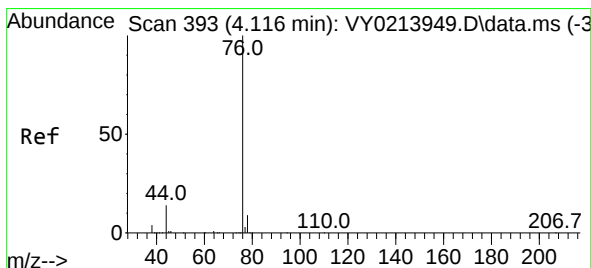
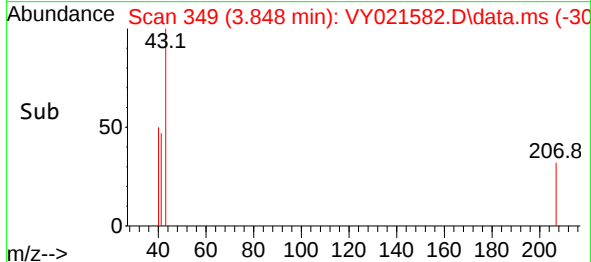
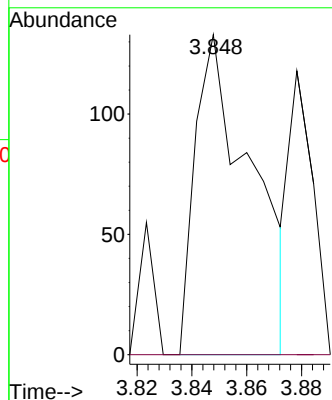
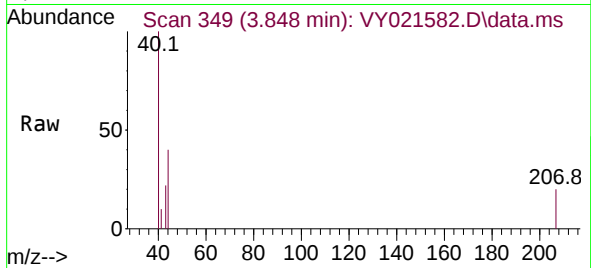




#16
Acetone
Concen: 55.811 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.024 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

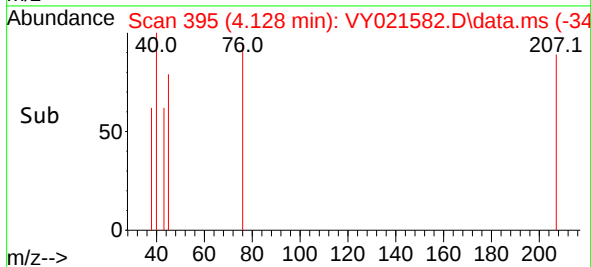
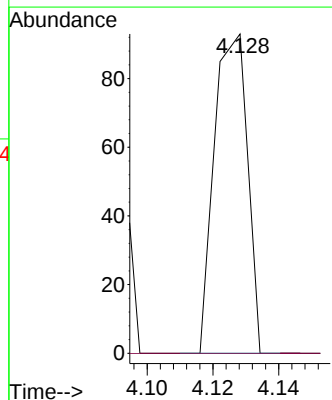
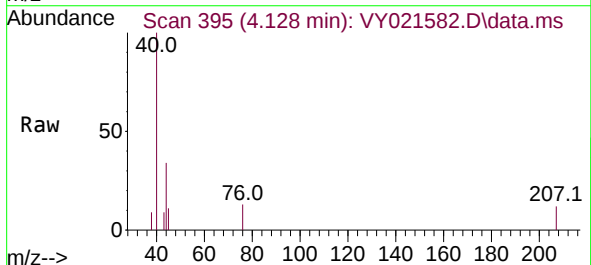
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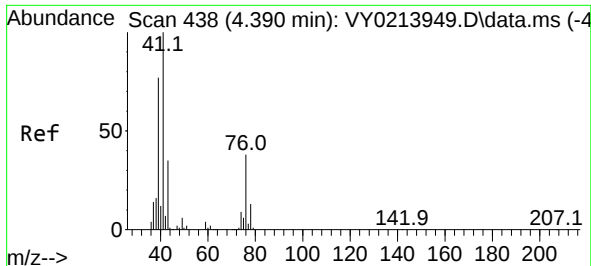
Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.374 ug/l
RT: 4.128 min Scan# 395
Delta R.T. 0.012 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 76 Resp: 65
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: 8.384 ug/l

RT: 4.415 min Scan# 442

Delta R.T. 0.024 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

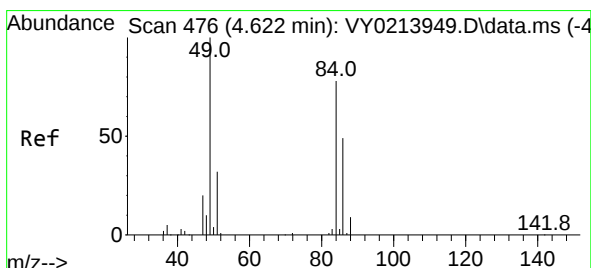
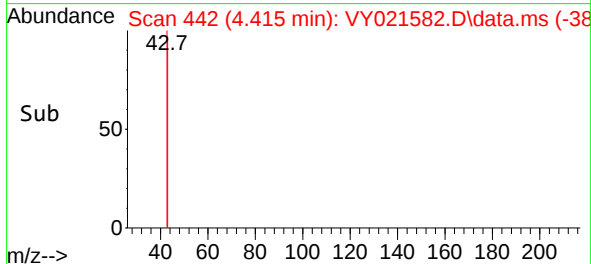
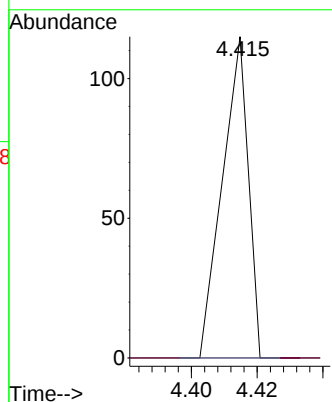
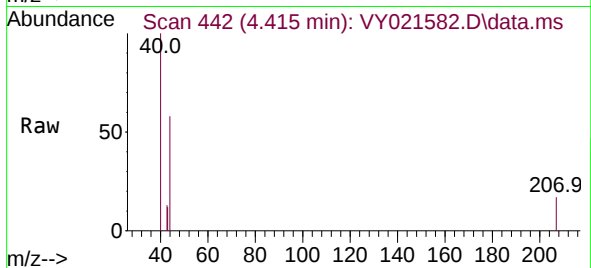
CHRT28607

Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.0#



#20

Methylene Chloride

Concen: 3.150 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.012 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

Tgt Ion: 84 Resp: 56

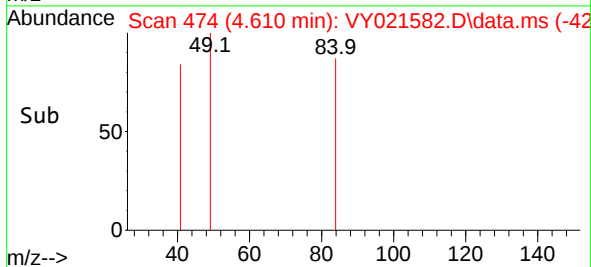
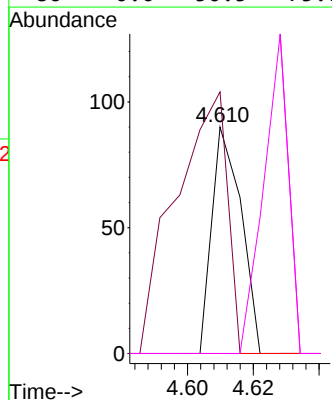
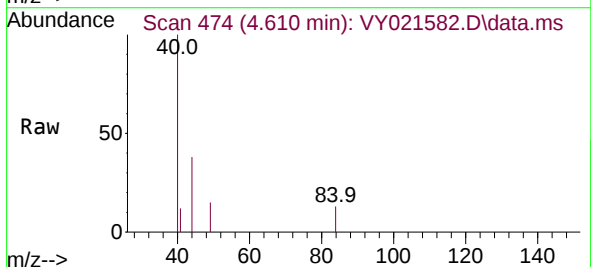
Ion Ratio Lower Upper

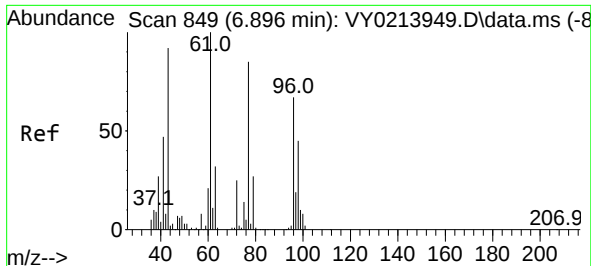
84 100

49 115.6 102.0 153.0

51 0.0 33.0 49.6#

86 0.0 50.5 75.7#

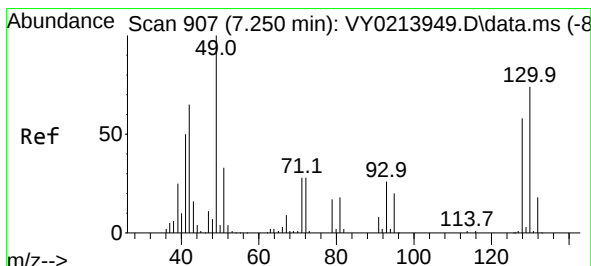
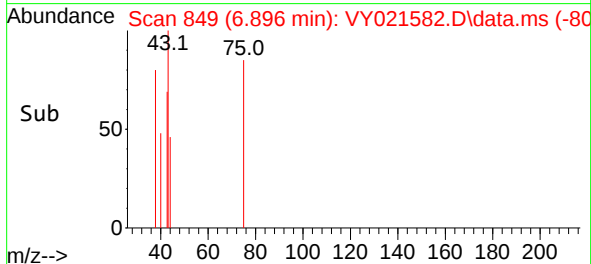
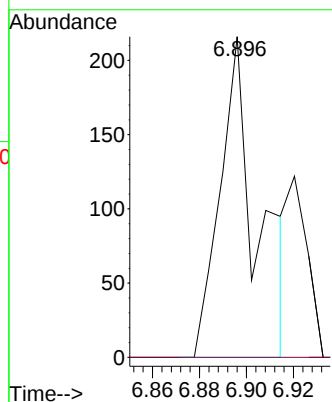
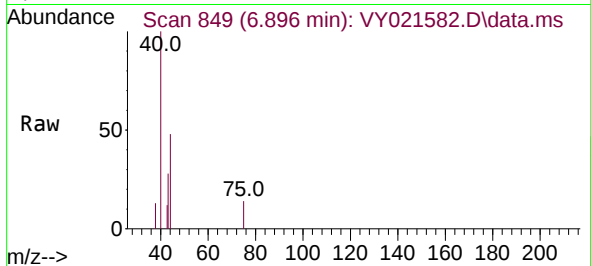




#25
2-Butanone
Concen: 50.379 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

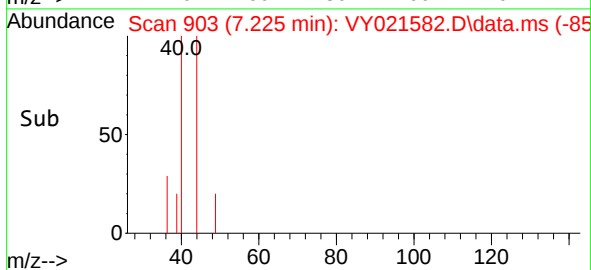
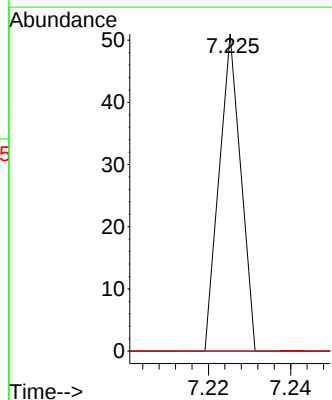
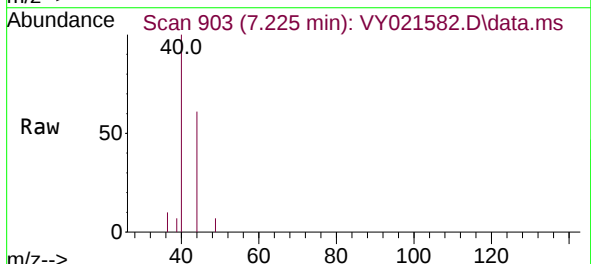
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

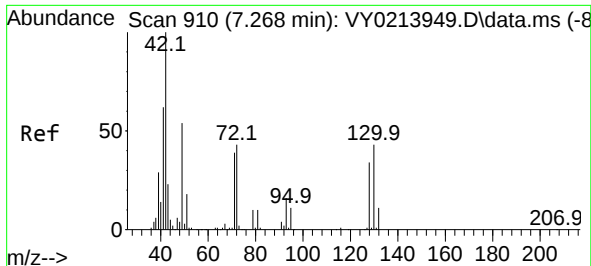
Tgt Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#28
Bromochloromethane
Concen: 1.461 ug/l
RT: 7.225 min Scan# 903
Delta R.T. -0.024 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 49 Resp: 19
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 59.6 89.4#





#29

Tetrahydrofuran

Concen: 7.261 ug/l

RT: 7.189 min Scan# 89

Delta R.T. -0.079 min

Lab File: VY021582.D

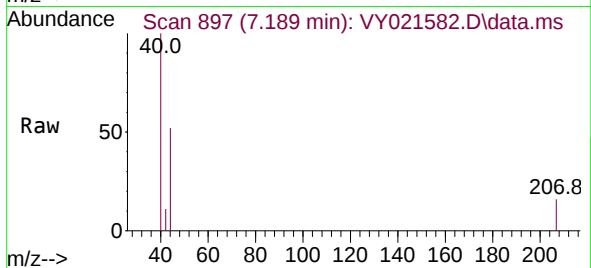
Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

CHRT28607



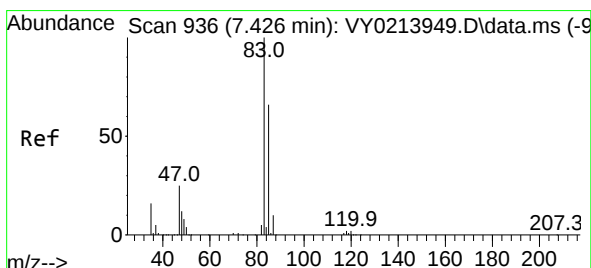
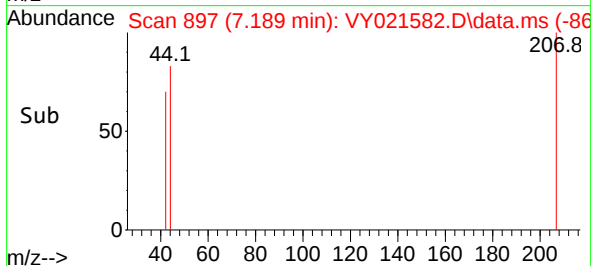
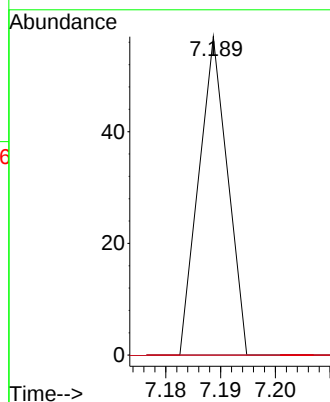
Tgt Ion: 42 Resp: 21

Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

71 0.0 32.6 48.8#



#30

Chloroform

Concen: 1.459 ug/l

RT: 7.530 min Scan# 953

Delta R.T. 0.104 min

Lab File: VY021582.D

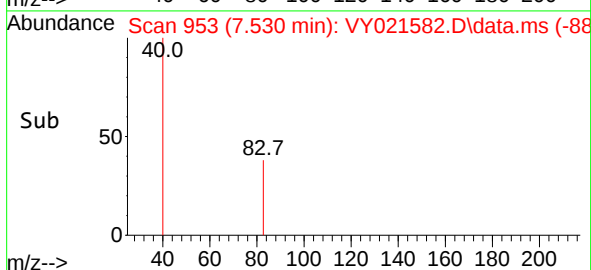
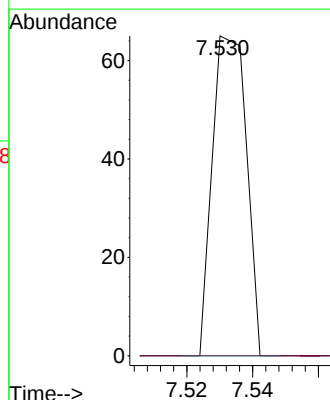
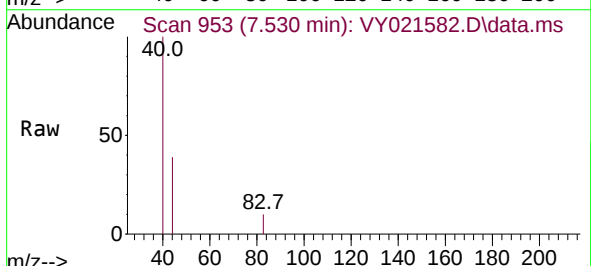
Acq: 20 Mar 2025 15:11

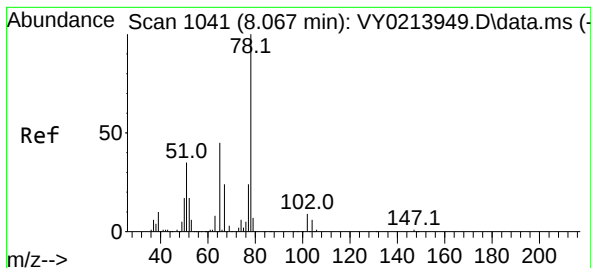
Tgt Ion: 83 Resp: 47

Ion Ratio Lower Upper

83 100

85 0.0 53.1 79.7#





#33

1,2-Dichloroethane-d4

Concen: 75.484 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

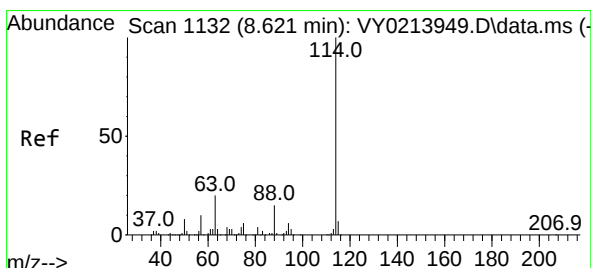
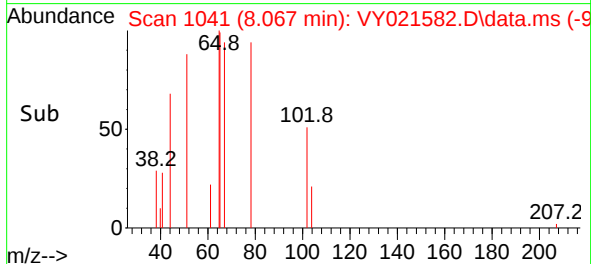
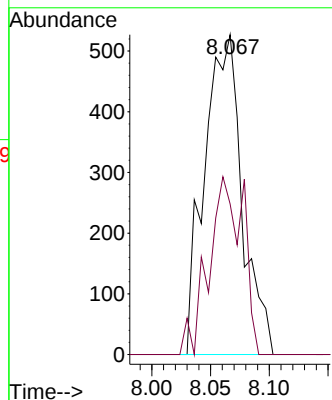
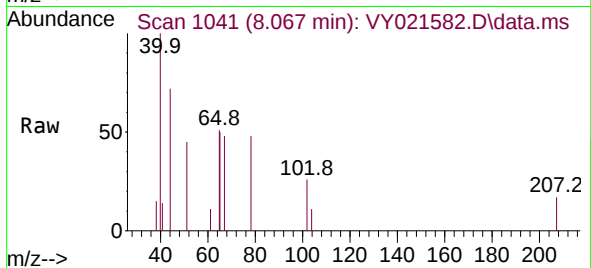
CHRT28607

Tgt Ion: 65 Resp: 1172

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

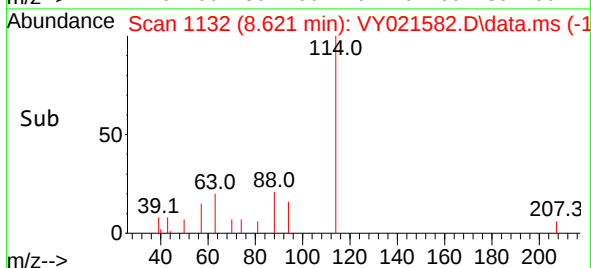
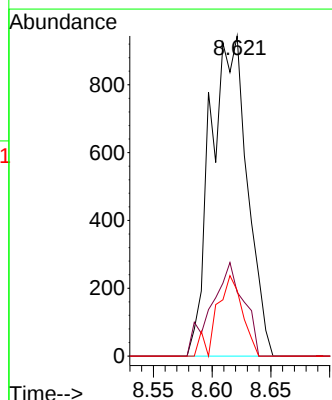
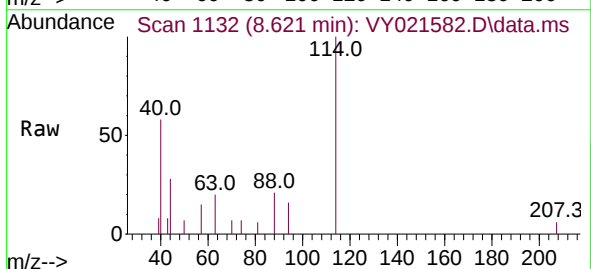
Tgt Ion: 114 Resp: 2056

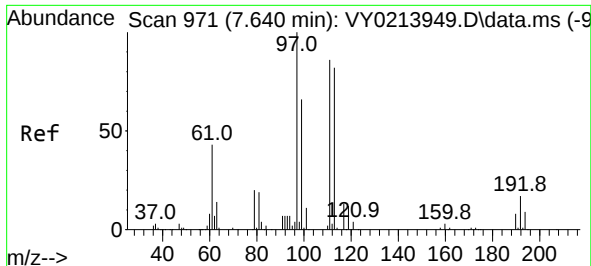
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 20.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 55.052 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

CHRT28607

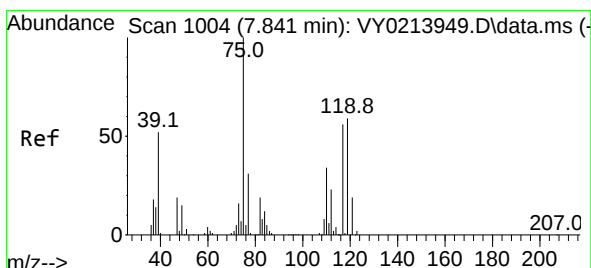
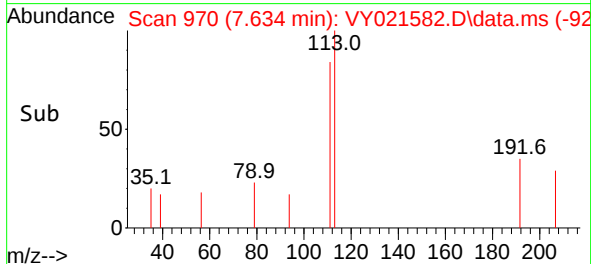
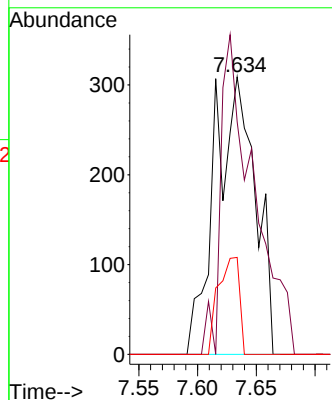
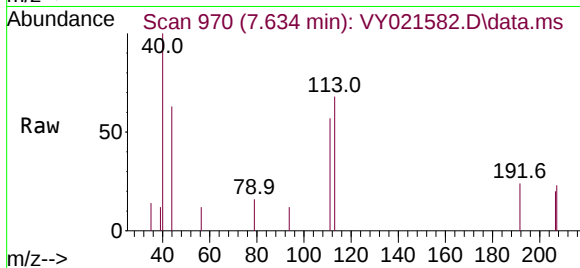
Tgt Ion:113 Resp: 744

Ion Ratio Lower Upper

113 100

111 93.4 82.0 123.0

192 18.3 15.9 23.9



#36

1,1-Dichloropropene

Concen: 8.131 ug/l

RT: 7.725 min Scan# 985

Delta R.T. -0.116 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

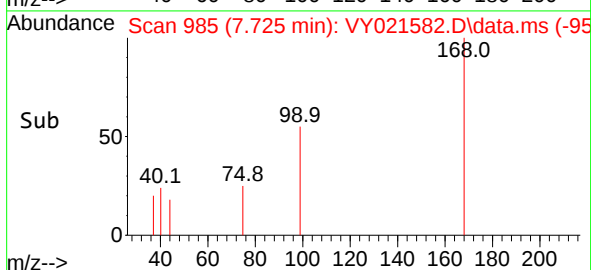
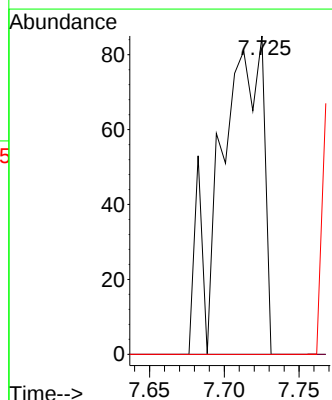
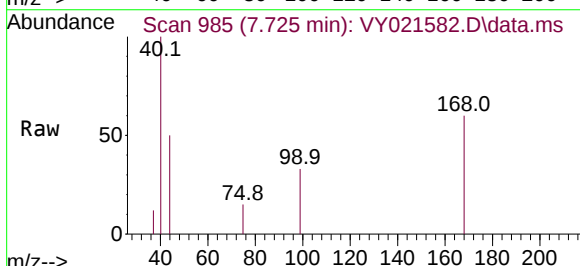
Tgt Ion: 75 Resp: 172

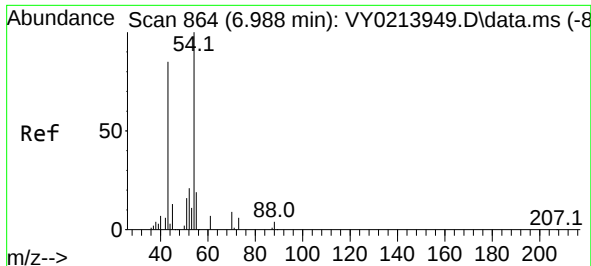
Ion Ratio Lower Upper

75 100

110 0.0 17.3 51.7#

77 0.0 25.4 38.2#

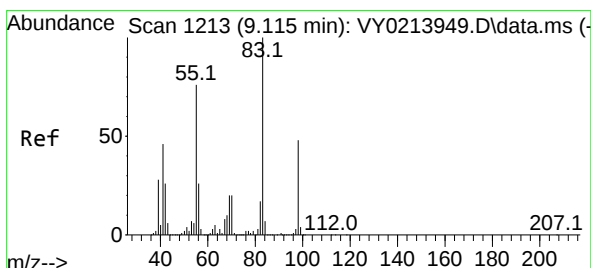
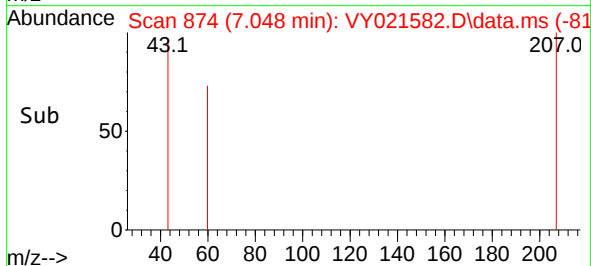
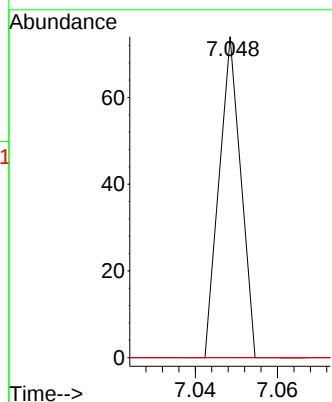
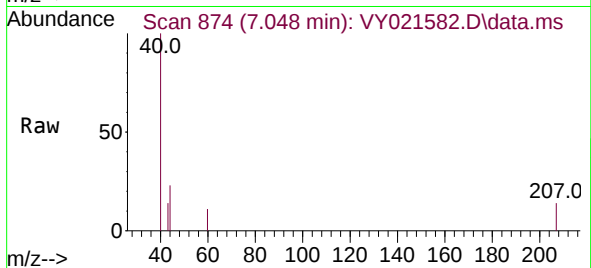




#37
Ethyl Acetate
Concen: 2.888 ug/l
RT: 7.048 min Scan# 81
Delta R.T. 0.061 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

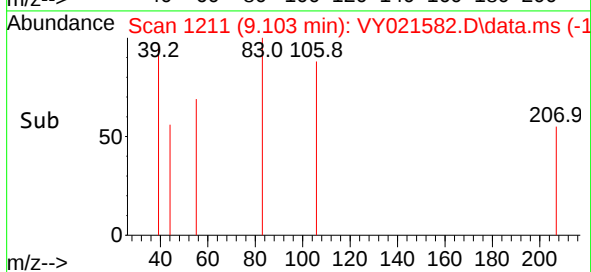
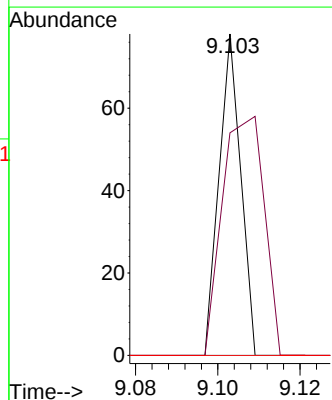
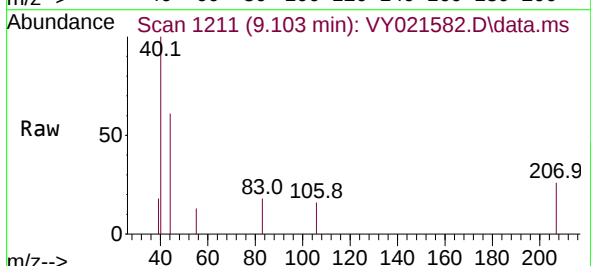
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

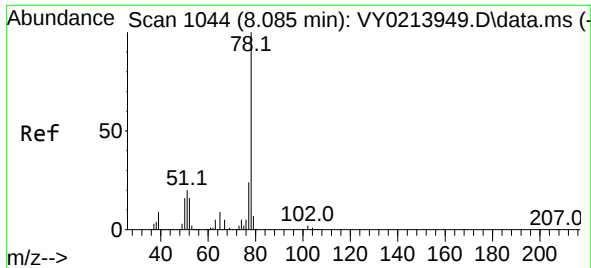
Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.2 12.2#



#39
Methylcyclohexane
Concen: 1.118 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.012 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 83 Resp: 29
Ion Ratio Lower Upper
83 100
55 69.2 60.7 91.1
98 0.0 38.6 57.8#

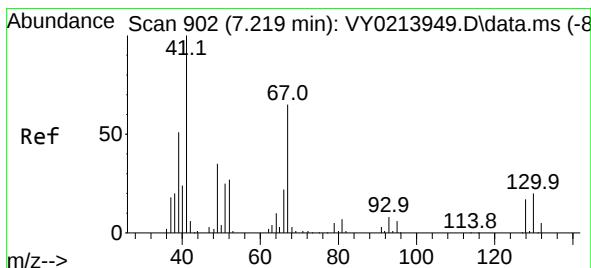
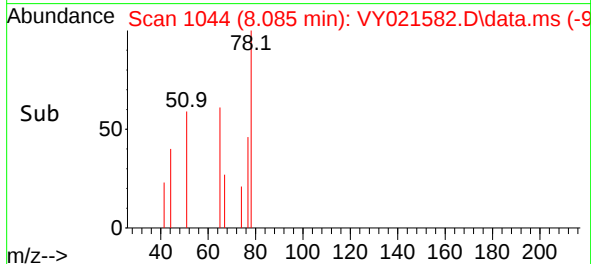
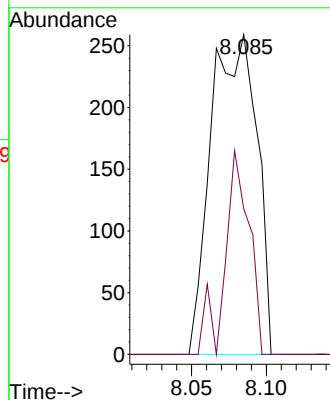
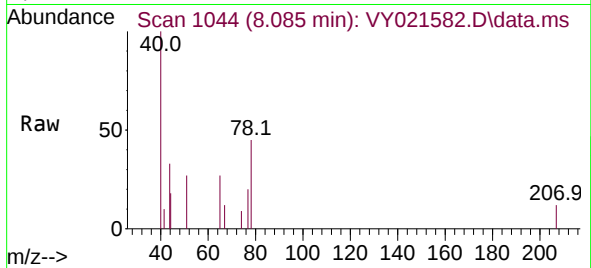




#40
Benzene
Concen: 8.858 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

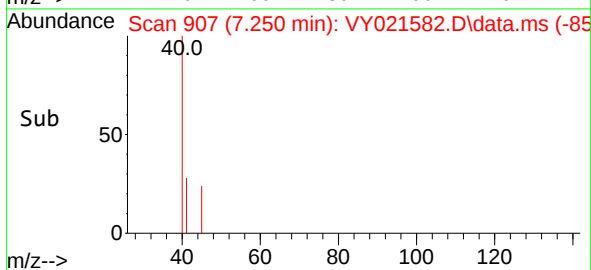
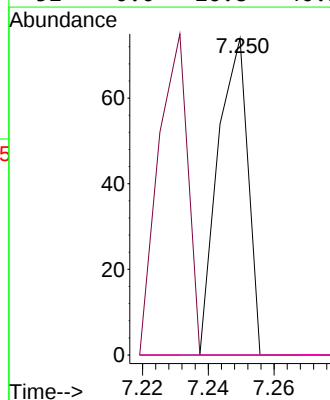
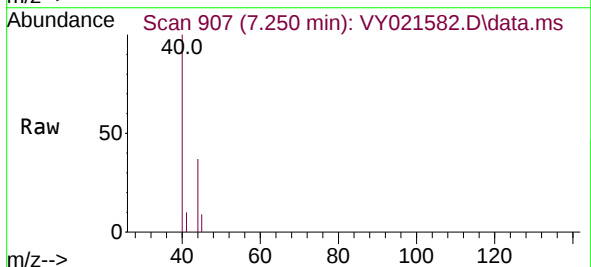
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

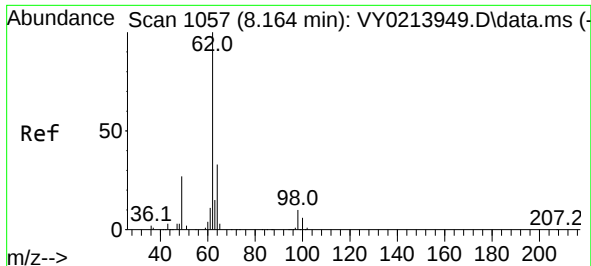
Tgt Ion: 78 Resp: 552
Ion Ratio Lower Upper
78 100
77 45.6 19.0 28.4#



#41
Methacrylonitrile
Concen: 9.232 ug/l
RT: 7.250 min Scan# 907
Delta R.T. 0.030 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 41 Resp: 47
Ion Ratio Lower Upper
41 100
39 97.9 35.0 52.6#
67 0.0 61.2 91.8#
52 0.0 26.8 40.2#





#42

1,2-Dichloroethane

Concen: 1.205 ug/l

RT: 8.121 min Scan# 1050

Delta R.T. -0.043 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

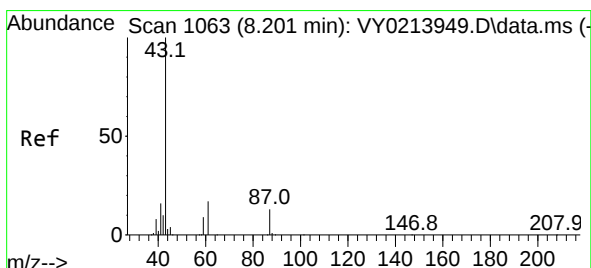
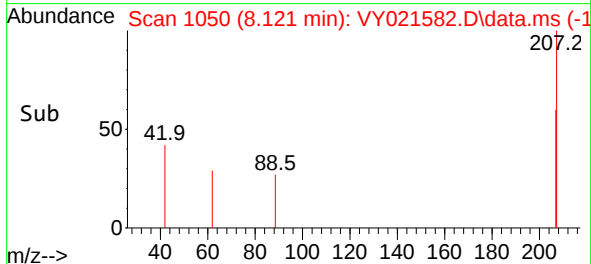
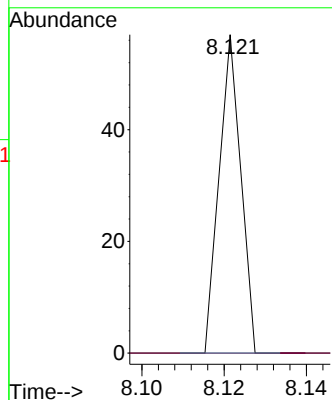
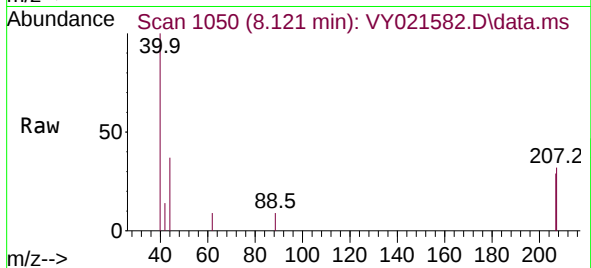
CHRT28607

Tgt Ion: 62 Resp: 21

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 1.047 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.122 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

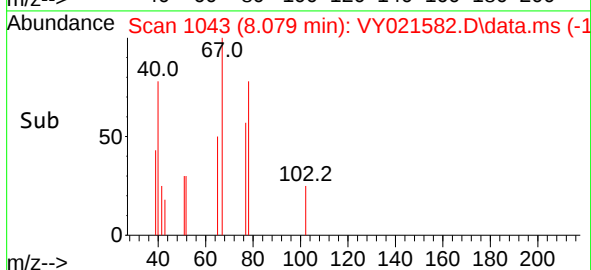
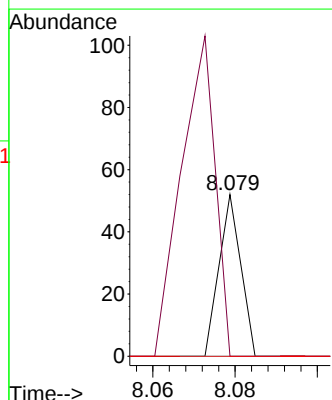
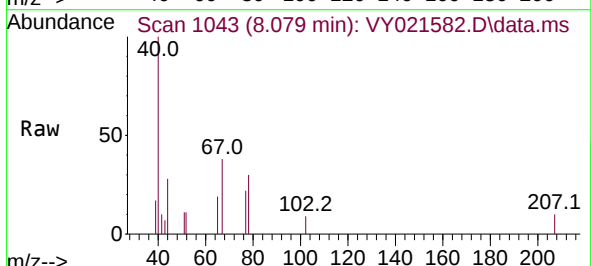
Tgt Ion: 43 Resp: 19

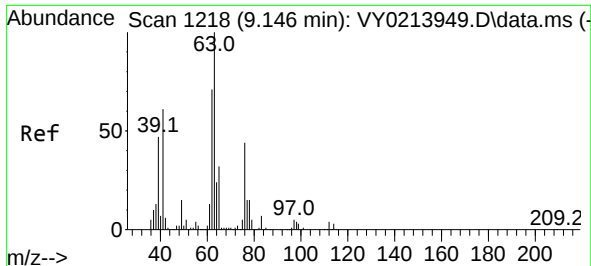
Ion Ratio Lower Upper

43 100

61 310.5 23.4 35.0#

87 0.0 10.5 15.7#





#45

1,2-Dichloropropane

Concen: 1.551 ug/l

RT: 9.188 min Scan# 11

Delta R.T. 0.043 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

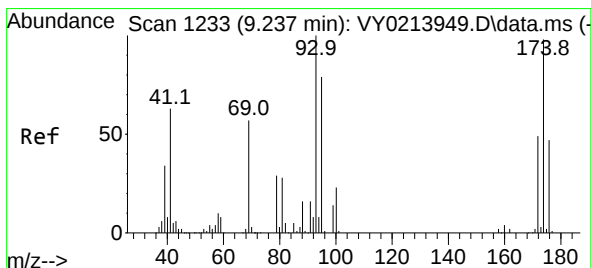
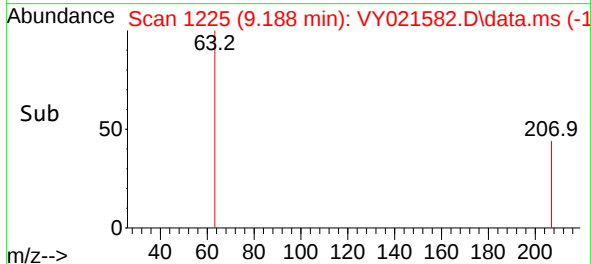
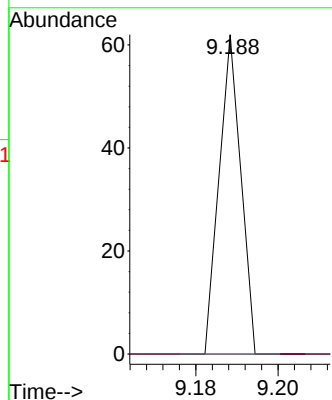
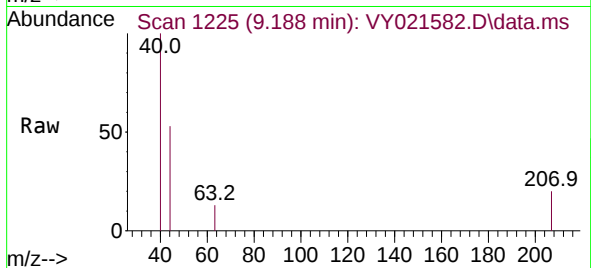
CHRT28607

Tgt Ion: 63 Resp: 23

Ion Ratio Lower Upper

63 100

65 0.0 26.0 39.0#



#46

Dibromomethane

Concen: 2.302 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.183 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

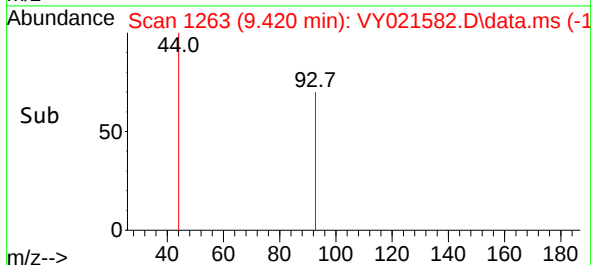
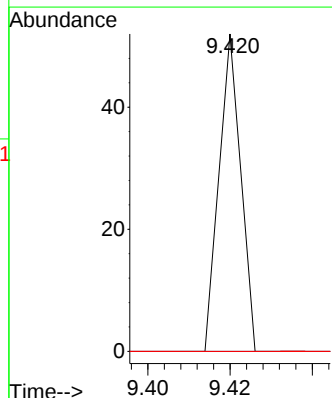
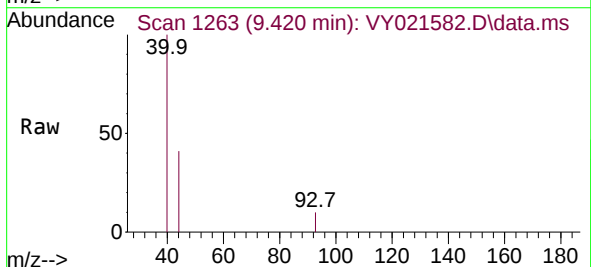
Tgt Ion: 93 Resp: 19

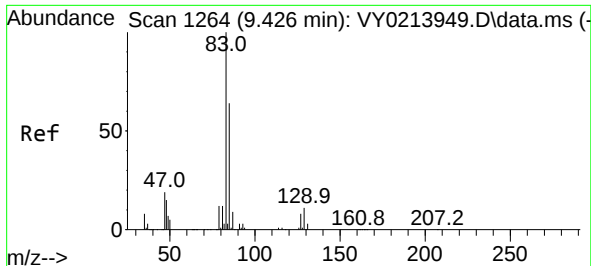
Ion Ratio Lower Upper

93 100

95 0.0 65.8 98.8#

174 0.0 77.9 116.9#

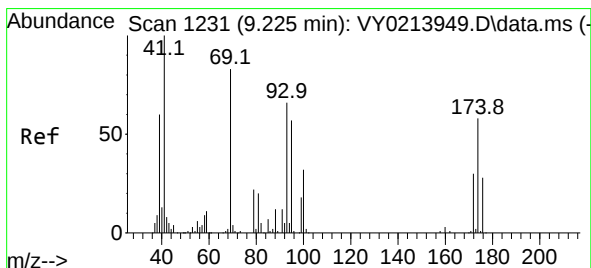
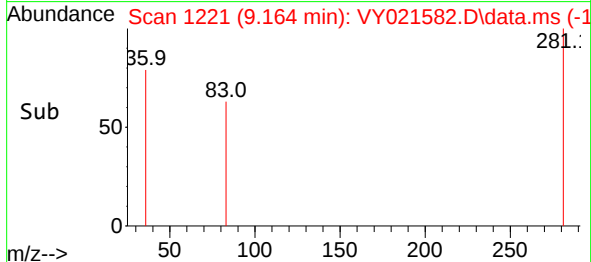
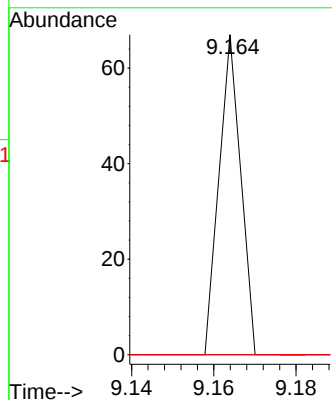
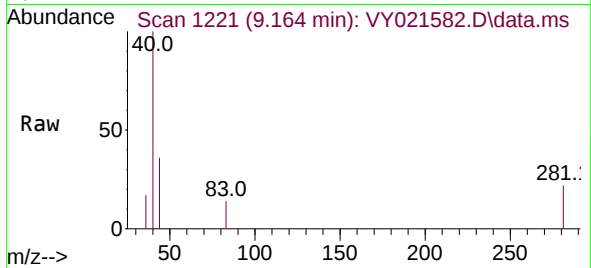




#47
Bromodichloromethane
Concen: 1.141 ug/l
RT: 9.164 min Scan# 11
Delta R.T. -0.262 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

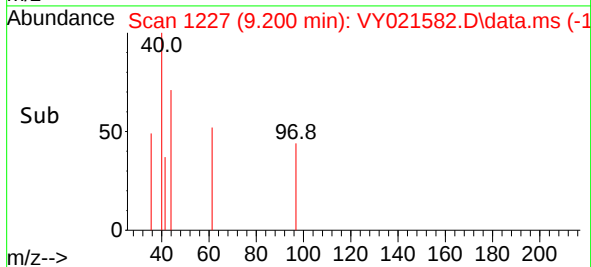
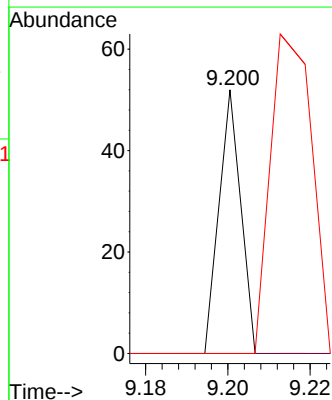
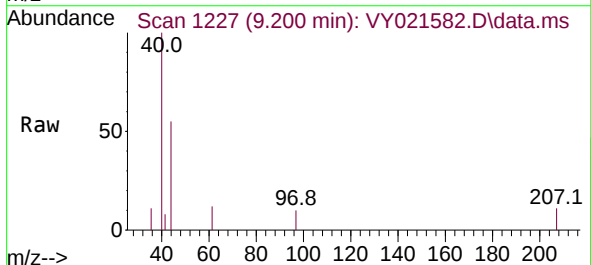
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

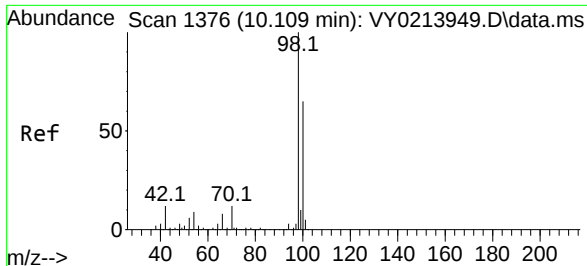
Tgt Ion: 83 Resp: 25
Ion Ratio Lower Upper
83 100
85 0.0 51.1 76.7#
127 0.0 6.7 10.1#



#48
Methyl methacrylate
Concen: 2.280 ug/l
RT: 9.200 min Scan# 1227
Delta R.T. -0.024 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 67.8 101.8#
39 231.6 46.4 69.6#

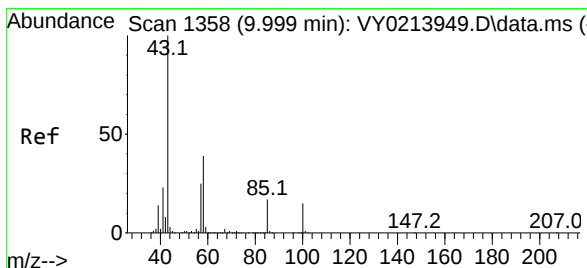
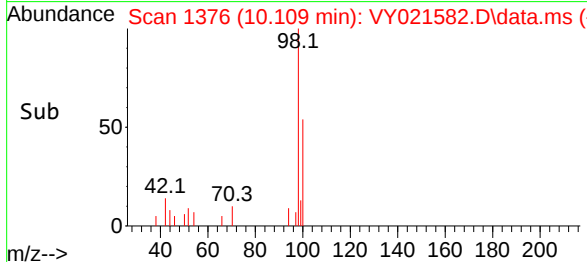
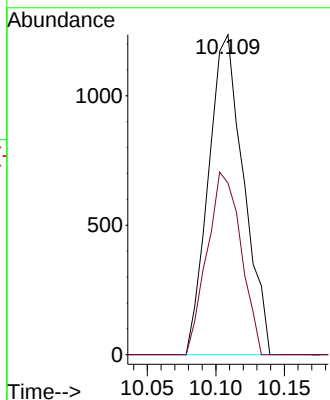
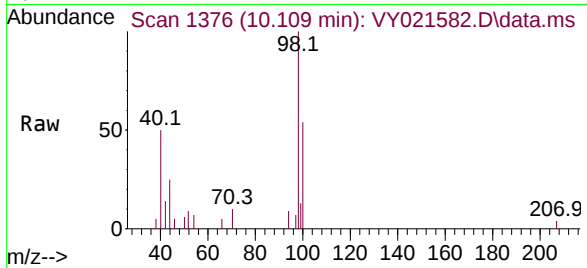




#50
Toluene-d8
Concen: 43.131 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

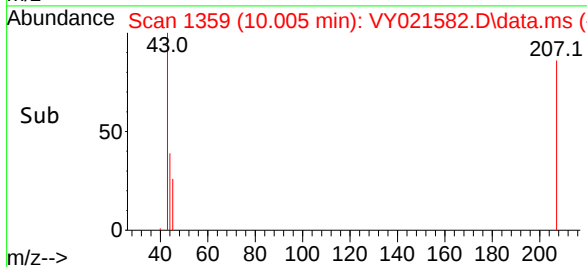
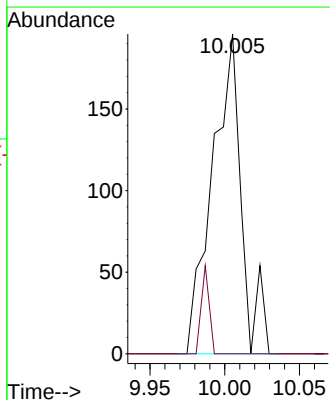
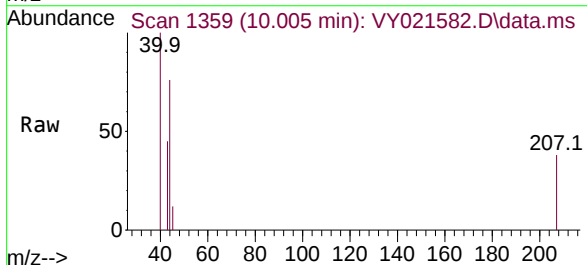
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

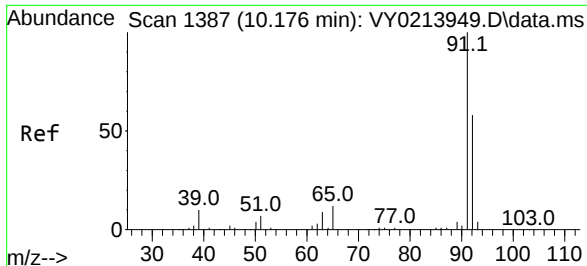
Tgt Ion: 98 Resp: 2207
Ion Ratio Lower Upper
98 100
100 55.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 28.403 ug/l
RT: 10.005 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 43 Resp: 266
Ion Ratio Lower Upper
43 100
58 7.5 31.4 47.2#

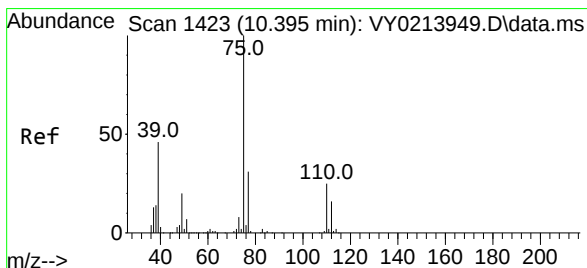
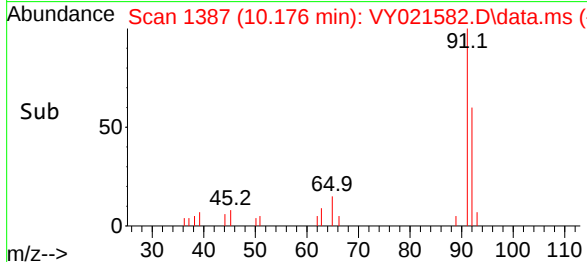
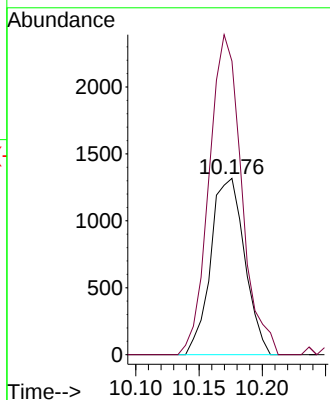
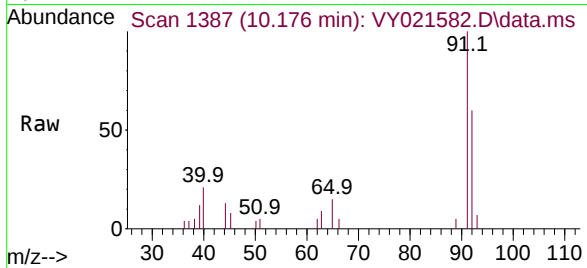




#52
Toluene
Concen: 62.488 ug/l
RT: 10.176 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

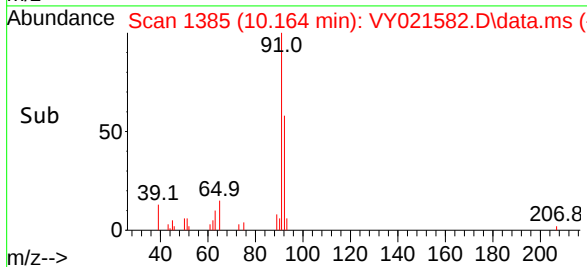
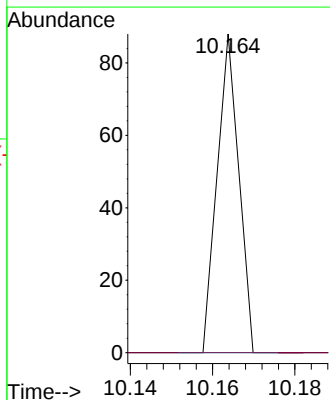
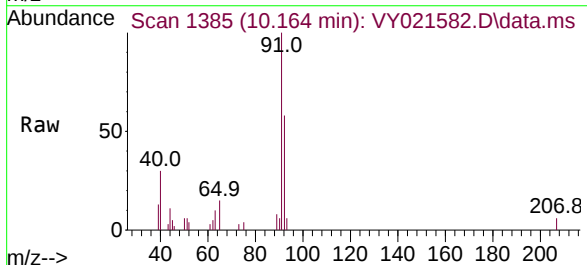
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

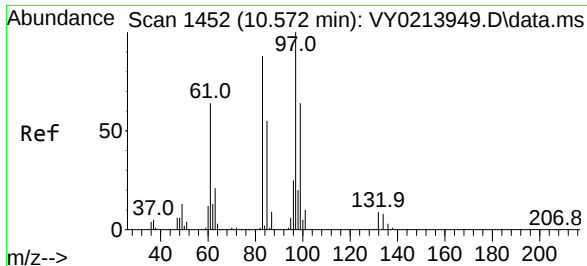
Tgt Ion: 92 Resp: 2455
Ion Ratio Lower Upper
92 100
91 174.2 138.2 207.2



#53
t-1,3-Dichloropropene
Concen: 1.657 ug/l
RT: 10.164 min Scan# 1385
Delta R.T. -0.232 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 75 Resp: 32
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#





#55

1,1,2-Trichloroethane

Concen: 1.760 ug/l

RT: 10.511 min Scan# 14

Delta R.T. -0.061 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

CHRT28607

Tgt Ion: 97 Resp: 19

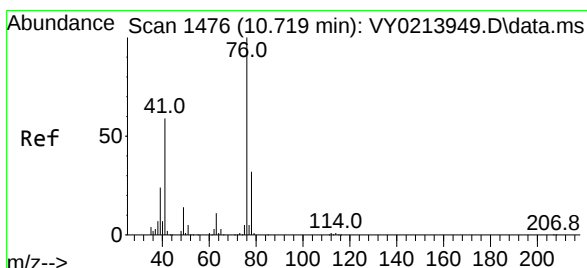
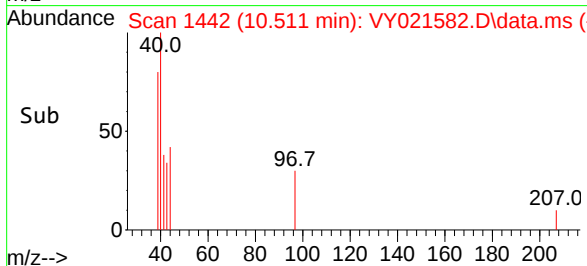
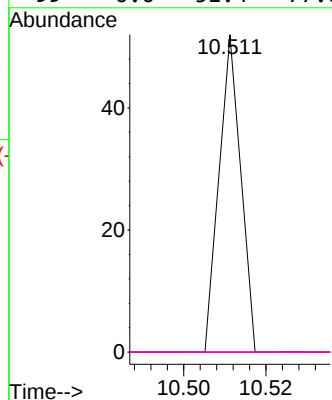
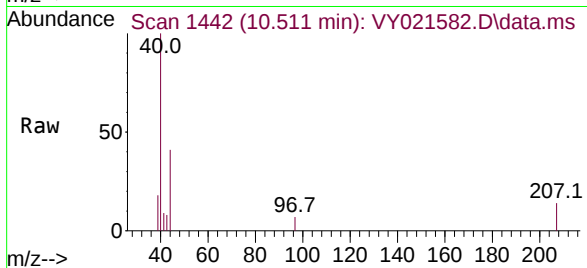
Ion Ratio Lower Upper

97 100

83 0.0 70.0 105.0#

85 0.0 44.3 66.5#

99 0.0 51.4 77.0#



#57

1,3-Dichloropropane

Concen: 1.176 ug/l

RT: 10.755 min Scan# 1482

Delta R.T. 0.037 min

Lab File: VY021582.D

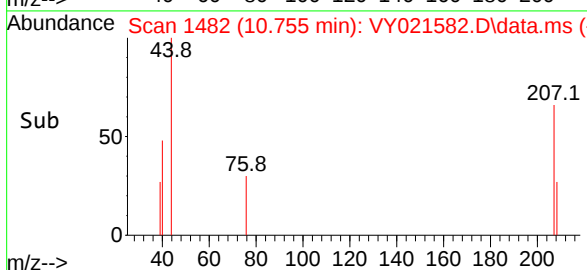
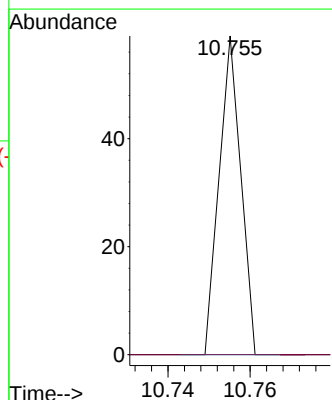
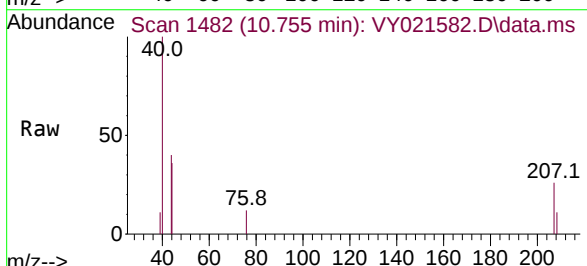
Acq: 20 Mar 2025 15:11

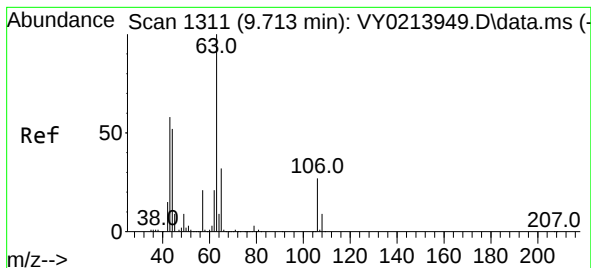
Tgt Ion: 76 Resp: 22

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#

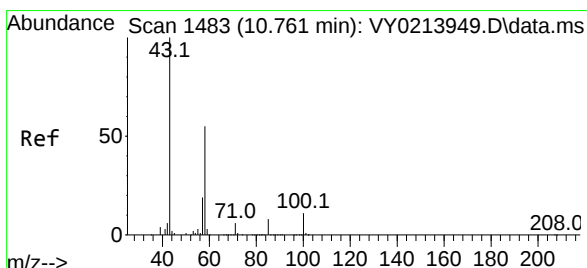
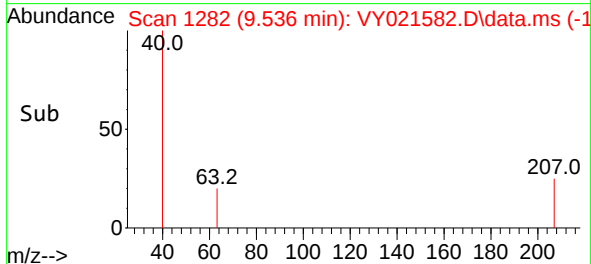
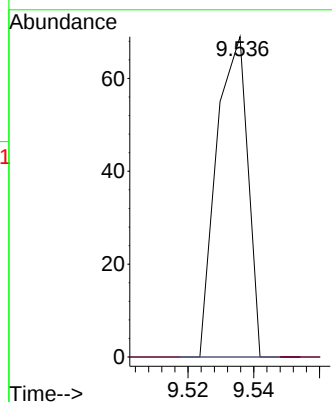
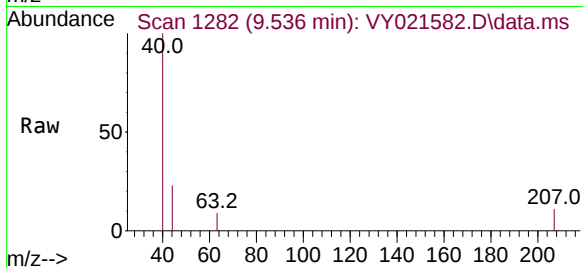




#58
2-Chloroethyl Vinyl ether
Concen: 7.081 ug/l
RT: 9.536 min Scan# 11
Delta R.T. -0.177 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

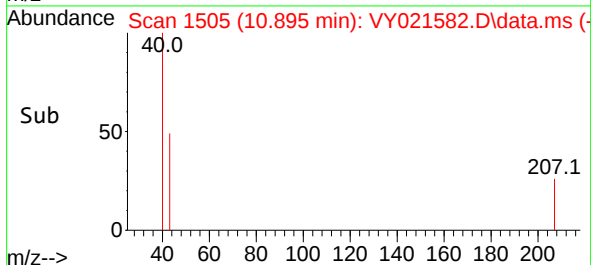
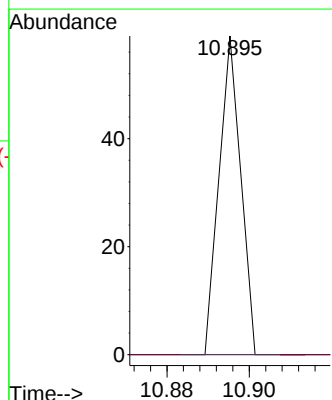
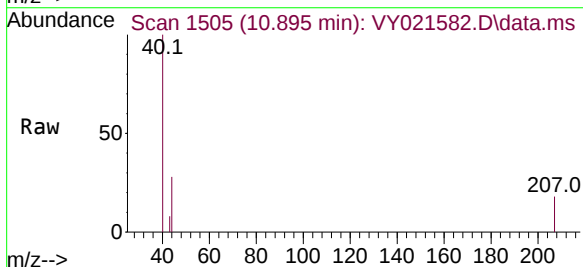
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

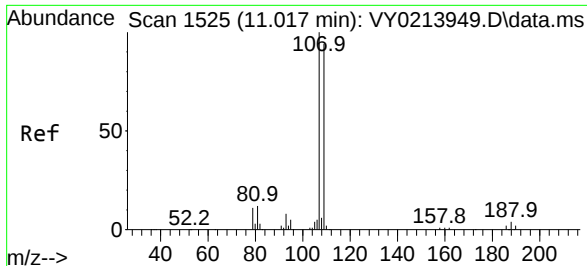
Tgt Ion: 63 Resp: 45
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#



#59
2-Hexanone
Concen: 3.553 ug/l
RT: 10.895 min Scan# 1505
Delta R.T. 0.134 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#

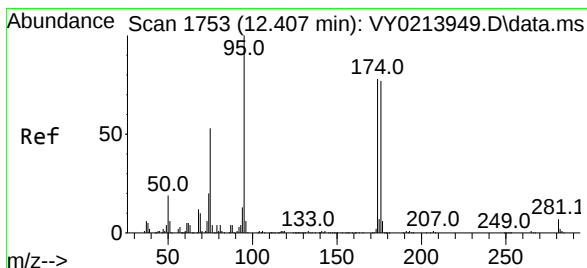
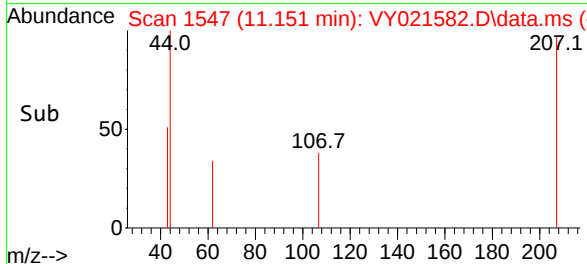
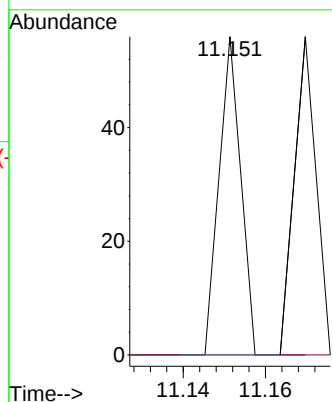
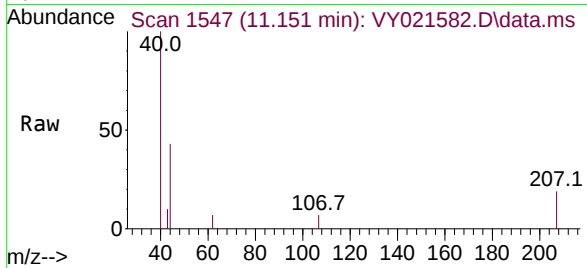




#61
1,2-Dibromoethane
Concen: 1.963 ug/l
RT: 11.151 min Scan# 1547
Delta R.T. 0.134 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

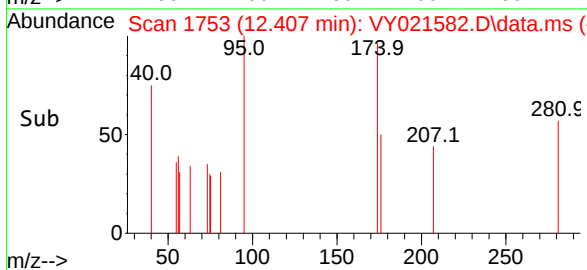
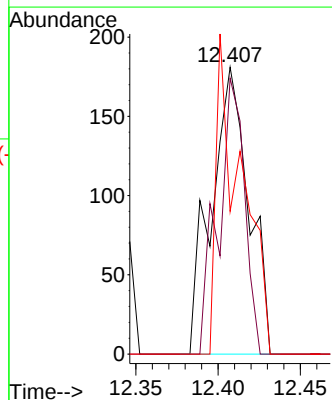
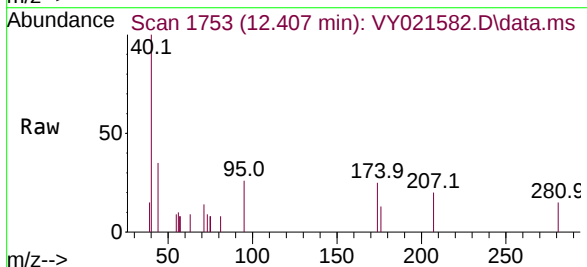
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

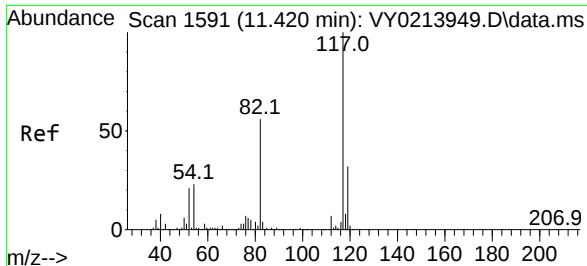
Tgt Ion:107 Resp: 20
Ion Ratio Lower Upper
107 100
109 0.0 75.8 113.8#



#62
4-Bromofluorobenzene
Concen: 16.489 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 95 Resp: 287
Ion Ratio Lower Upper
95 100
174 67.6 0.0 165.0
176 74.6 0.0 160.0

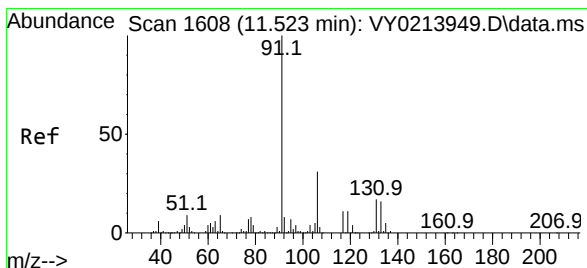
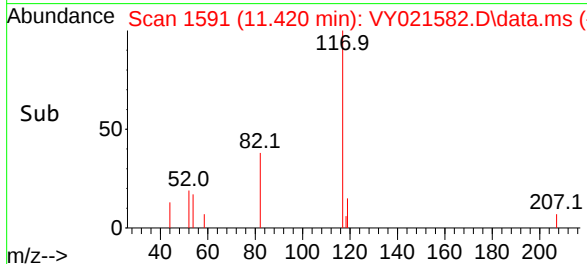
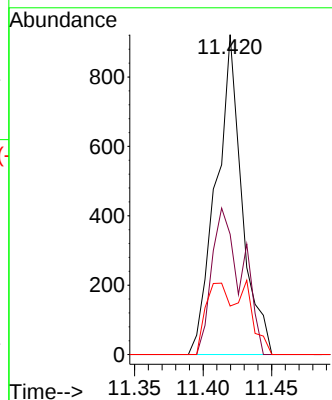
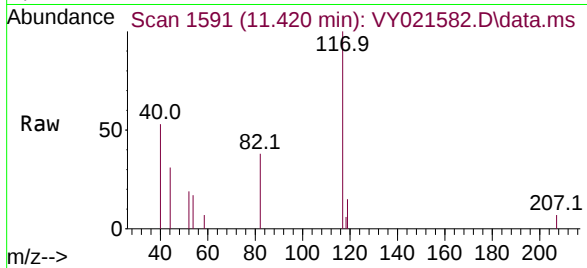




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

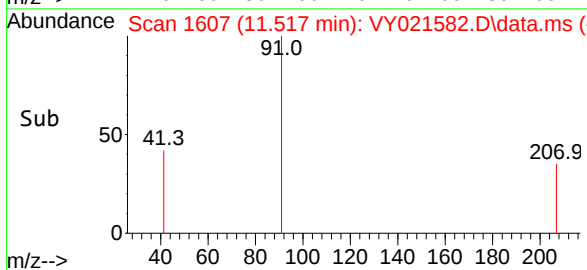
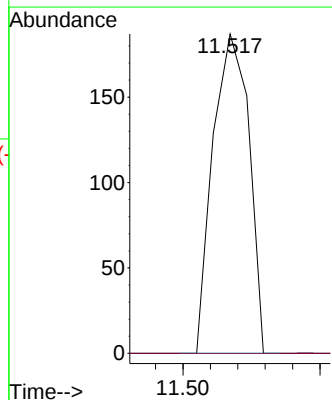
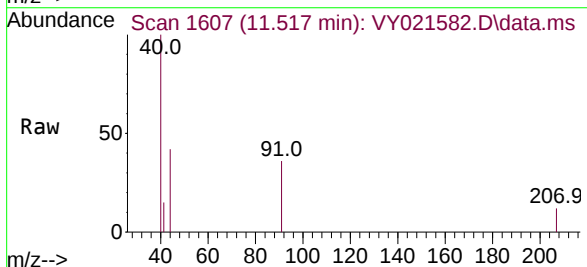
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

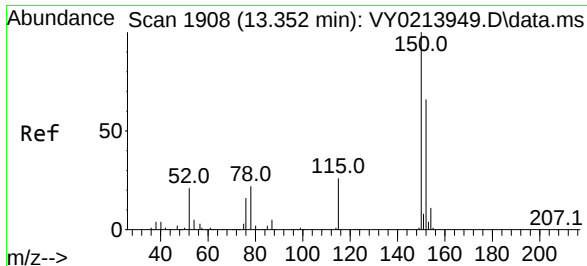
Tgt Ion:117 Resp: 1212
Ion Ratio Lower Upper
117 100
82 37.6 44.6 67.0#
119 15.2 25.4 38.0#



#67
Ethyl Benzene
Concen: 3.404 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 91 Resp: 171
Ion Ratio Lower Upper
91 100
106 0.0 24.6 36.8#

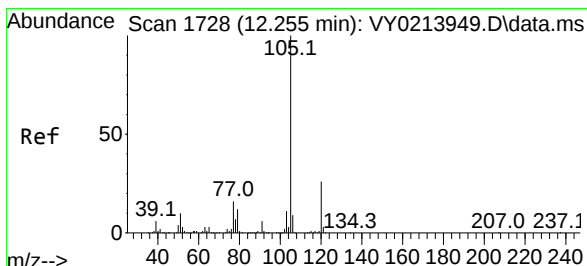
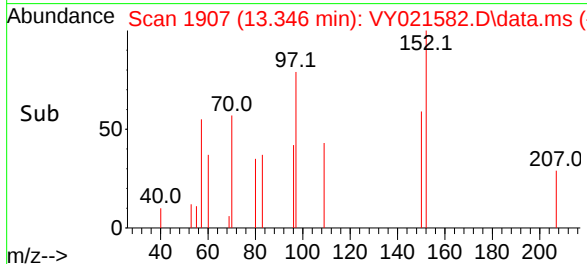
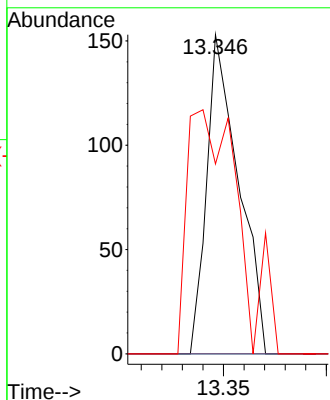
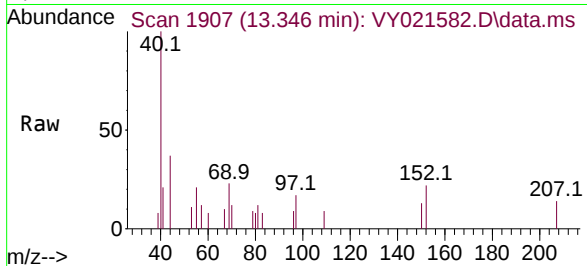




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021582.D
 Acq: 20 Mar 2025 15:11

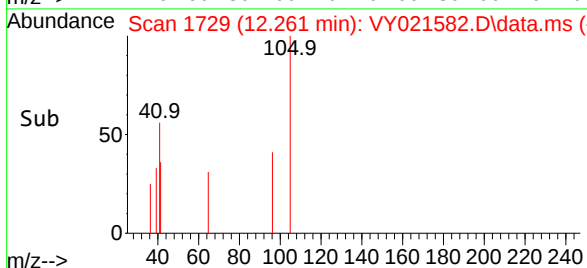
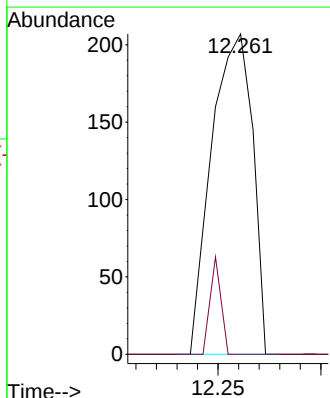
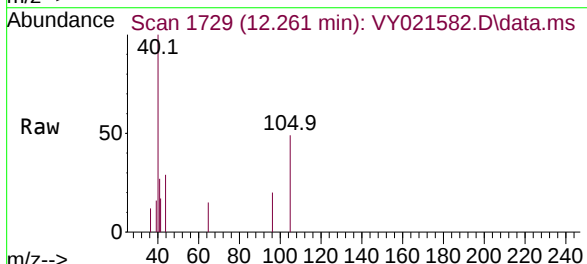
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT28607

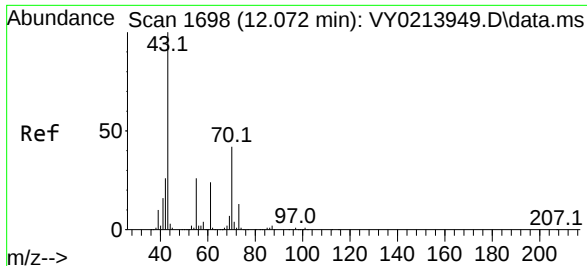
Tgt Ion:152 Resp: 165
 Ion Ratio Lower Upper
 152 100
 115 0.0 29.0 87.0#
 150 124.2 0.0 347.2



#73
 Isopropylbenzene
 Concen: 22.081 ug/l
 RT: 12.261 min Scan# 1729
 Delta R.T. 0.006 min
 Lab File: VY021582.D
 Acq: 20 Mar 2025 15:11

Tgt Ion:105 Resp: 287
 Ion Ratio Lower Upper
 105 100
 120 8.0 13.1 39.3#

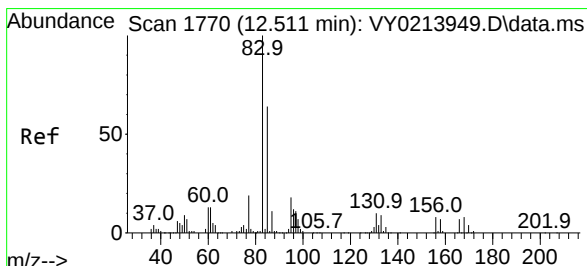
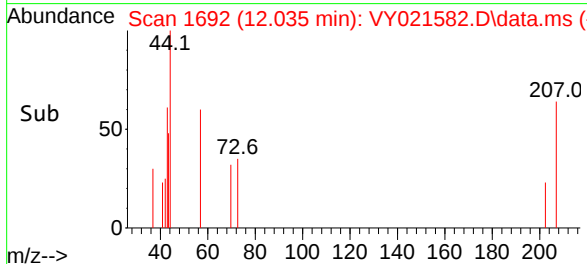
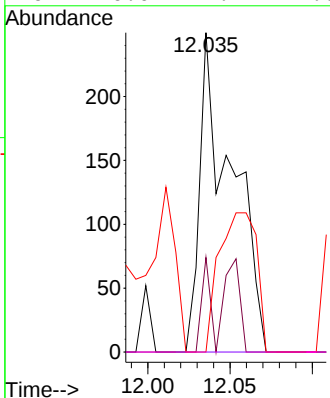
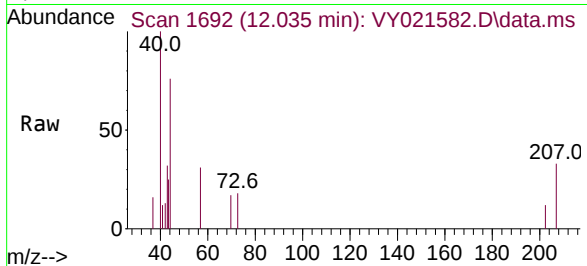




#74
N-amy1 acetate
Concen: 120.097 ug/l
RT: 12.035 min Scan# 1692
Delta R.T. -0.037 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

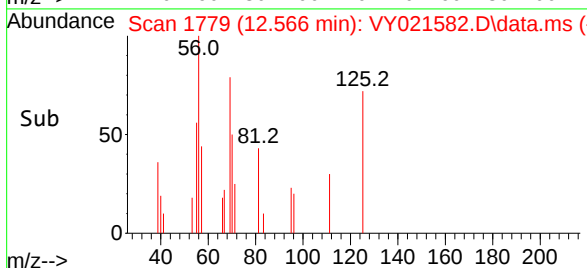
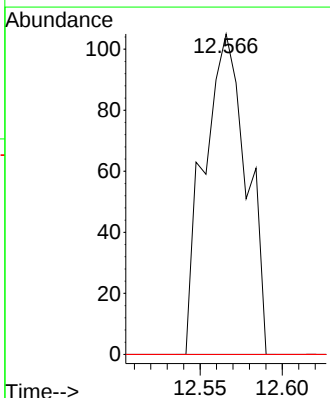
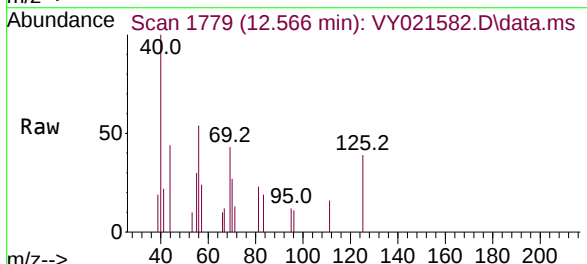
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

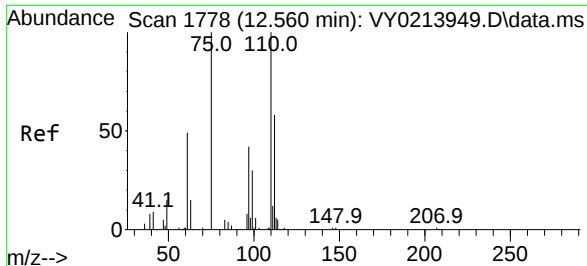
Tgt Ion:	43	Resp:	339
Ion	Ratio	Lower	Upper
43	100		
70	8.0	34.6	51.8#
55	0.0	21.1	31.7#
61	0.0	19.4	29.0#



#75
1,1,2,2-Tetrachloroethane
Concen: 82.403 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.055 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion:	83	Resp:	189
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	0.0	31.9	95.5#

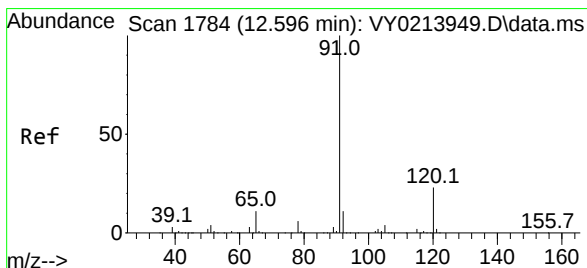
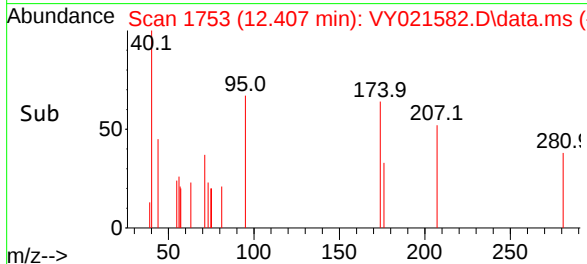
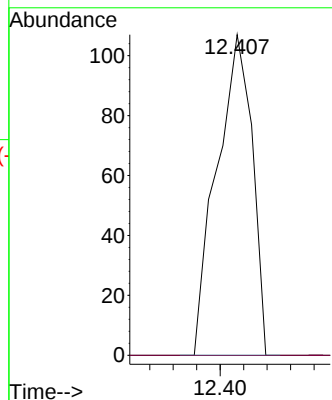
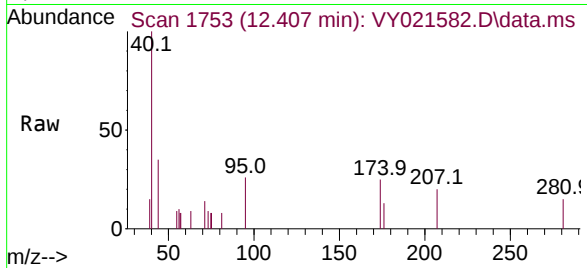




#76
1,2,3-Trichloropropane
Concen: 67.361 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

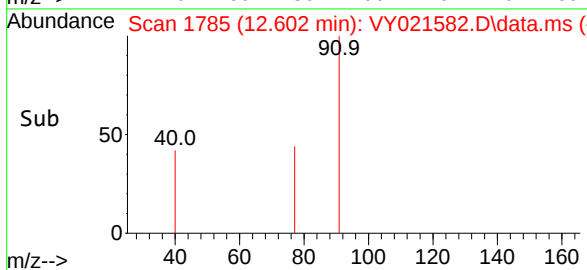
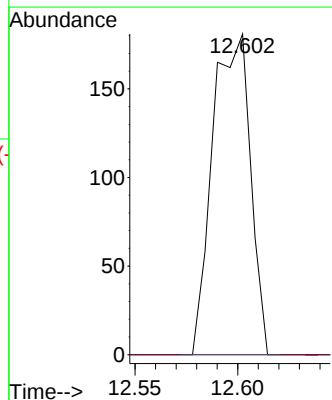
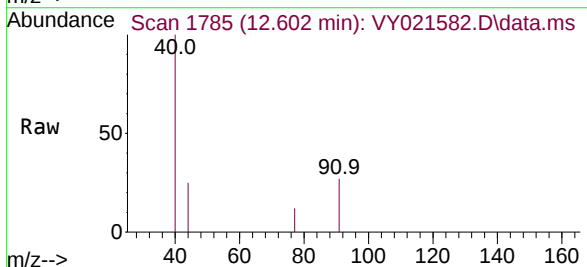
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

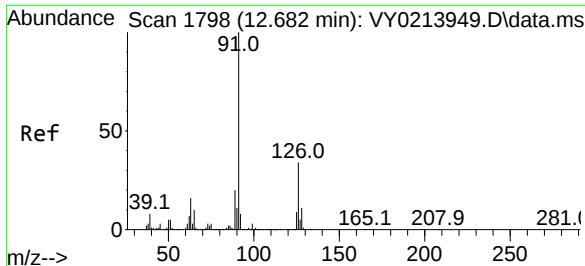
Tgt Ion: 75 Resp: 112
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 14.634 ug/l
RT: 12.602 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 91 Resp: 231
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.8#





#79

2-Chlorotoluene

Concen: 2.216 ug/l

RT: 12.694 min Scan# 1800

Delta R.T. 0.012 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

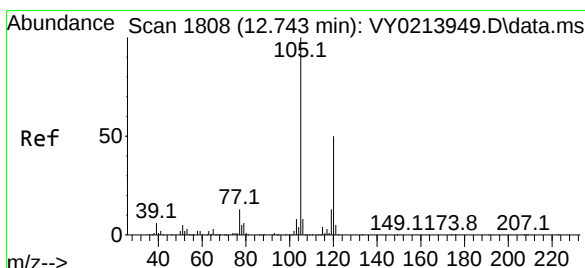
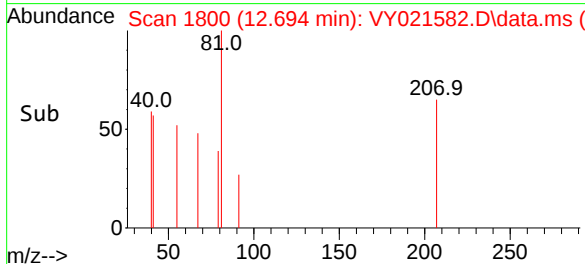
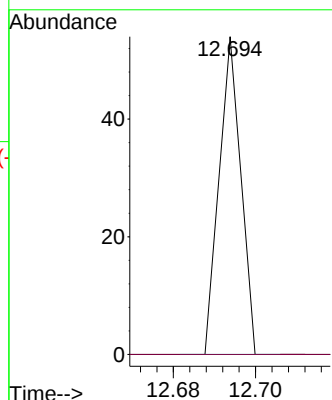
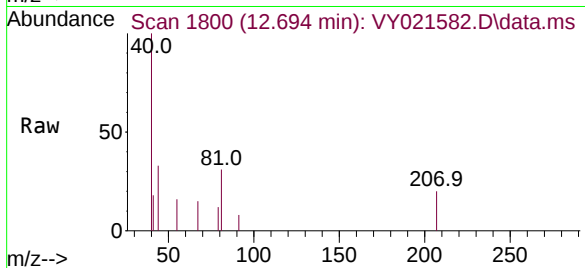
CHRT28607

Tgt Ion: 91 Resp: 20

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.6#



#80

1,3,5-Trimethylbenzene

Concen: 4.828 ug/l

RT: 12.749 min Scan# 1809

Delta R.T. 0.006 min

Lab File: VY021582.D

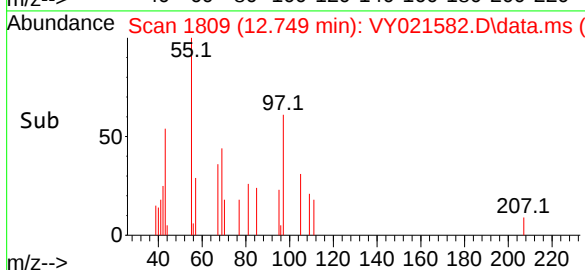
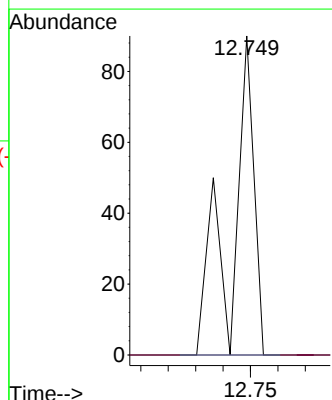
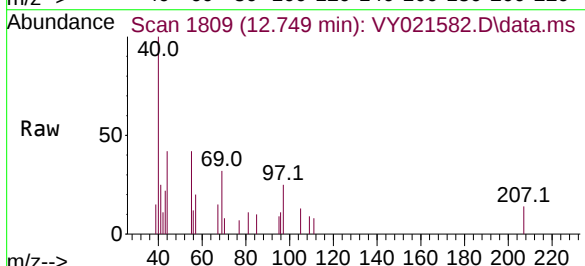
Acq: 20 Mar 2025 15:11

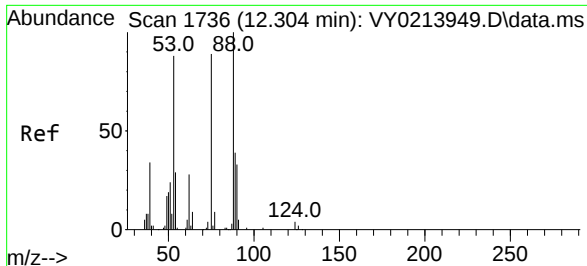
Tgt Ion: 105 Resp: 51

Ion Ratio Lower Upper

105 100

120 0.0 24.6 73.6#

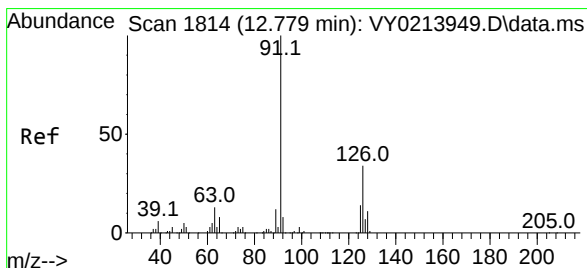
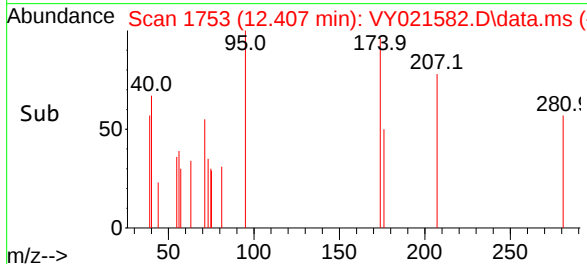
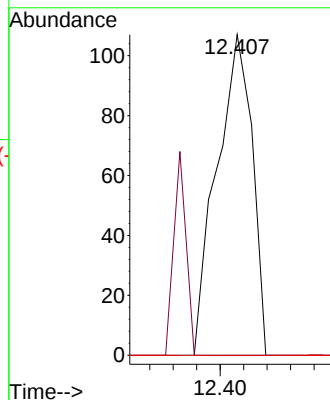
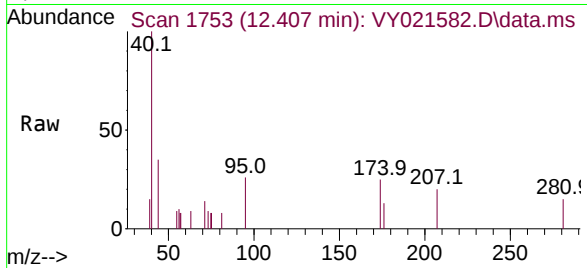




#81
trans-1,4-Dichloro-2-butene
Concen: 153.133 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

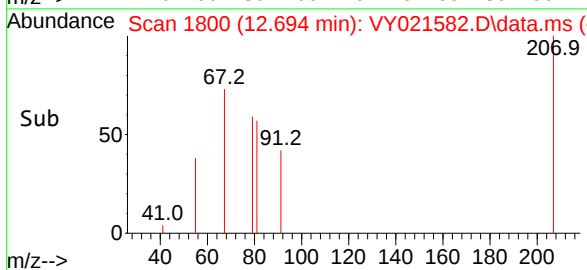
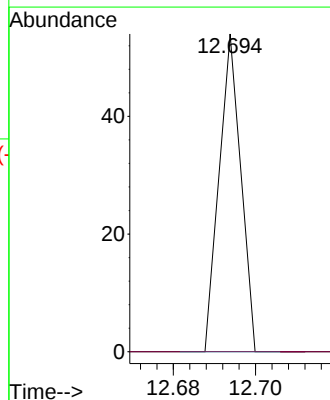
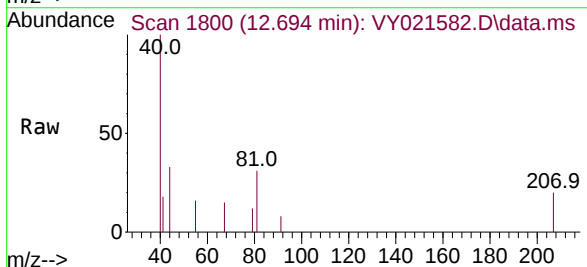
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

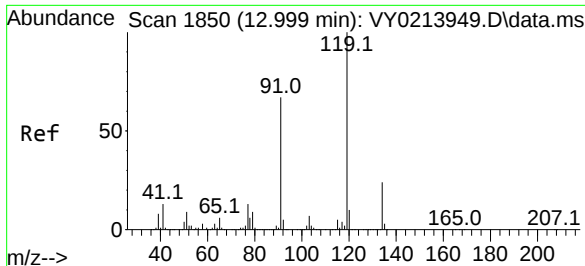
Tgt Ion: 75 Resp: 112
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 2.140 ug/l
RT: 12.694 min Scan# 1800
Delta R.T. -0.085 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 91 Resp: 20
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#

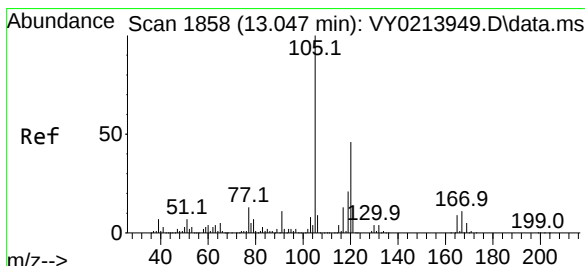
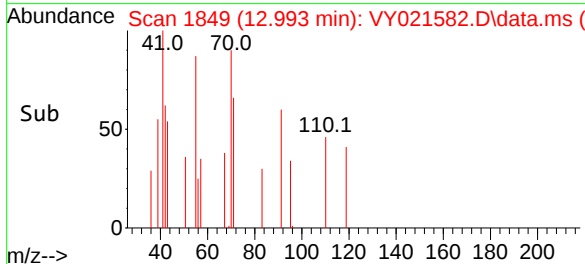
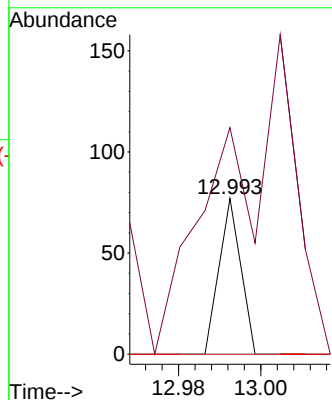
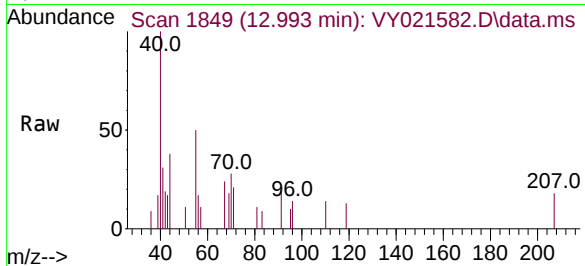




#83
tert-Butylbenzene
Concen: 2.972 ug/l
RT: 12.993 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

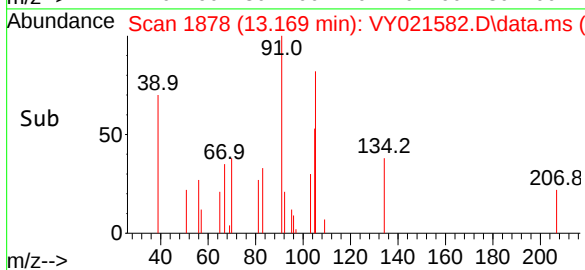
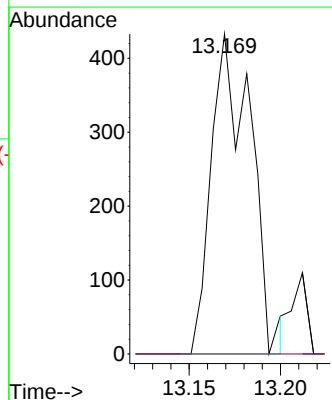
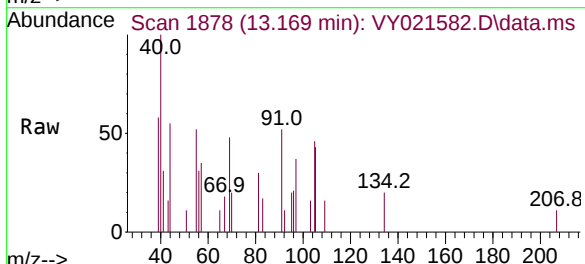
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

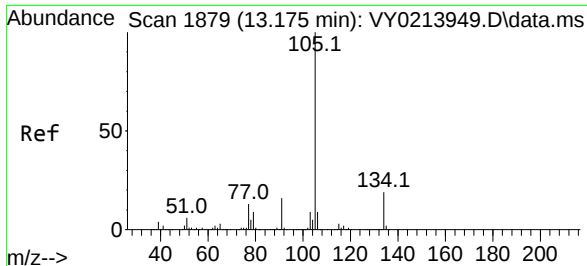
Tgt Ion:	119	Resp:	28
Ion	Ratio	Lower	Upper
119	100		
91	378.6	33.2	99.6#
134	0.0	13.5	40.5#



#84
1,2,4-Trimethylbenzene
Concen: 61.980 ug/l
RT: 13.169 min Scan# 1878
Delta R.T. 0.122 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion:	105	Resp:	650
Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.7	68.1#

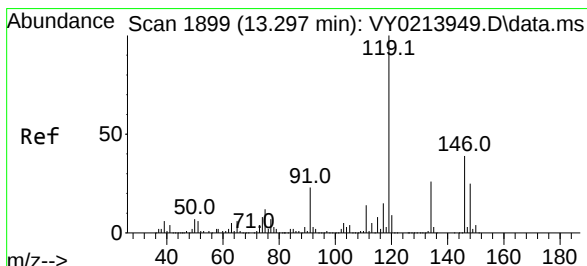
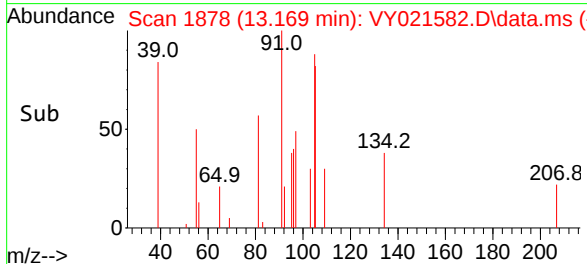
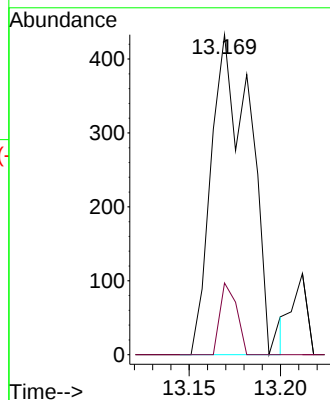
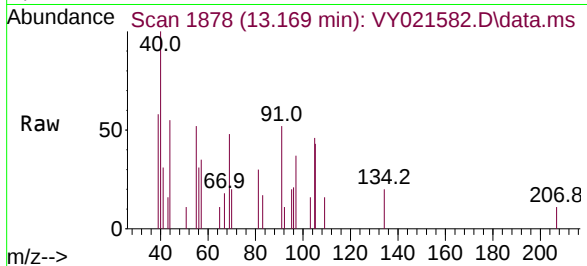




#85
sec-Butylbenzene
Concen: 46.363 ug/l
RT: 13.169 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

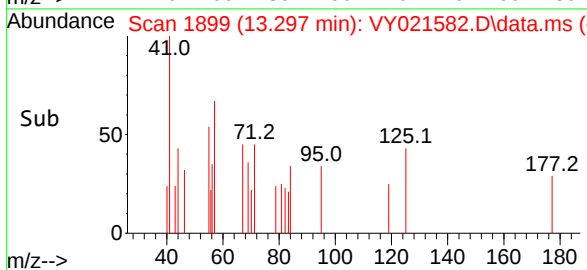
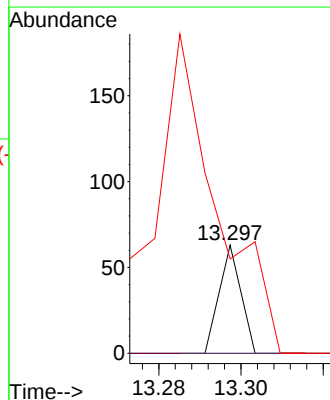
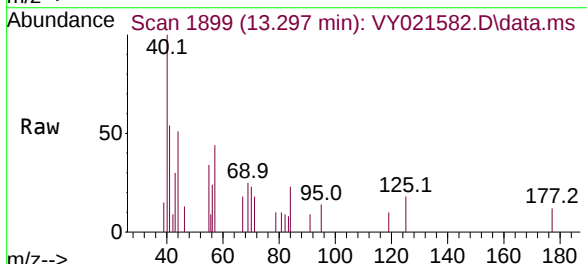
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

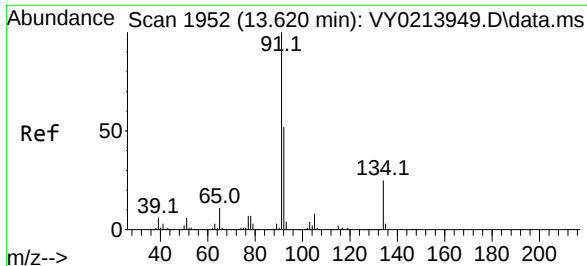
Tgt Ion:105 Resp: 650
Ion Ratio Lower Upper
105 100
134 9.4 9.9 29.7#



#86
p-Isopropyltoluene
Concen: 1.991 ug/l
RT: 13.297 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion:119 Resp: 23
Ion Ratio Lower Upper
119 100
134 0.0 13.1 39.1#
91 847.8 12.2 36.6#





#89

n-Butylbenzene

Concen: 21.190 ug/l

RT: 13.627 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

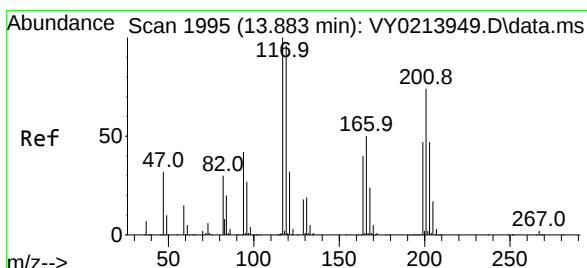
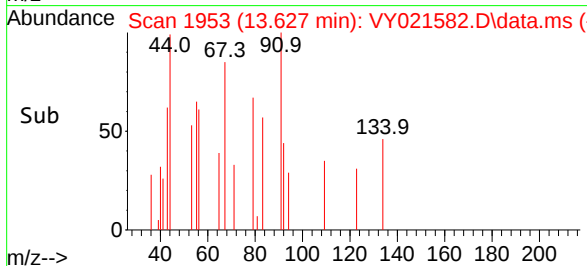
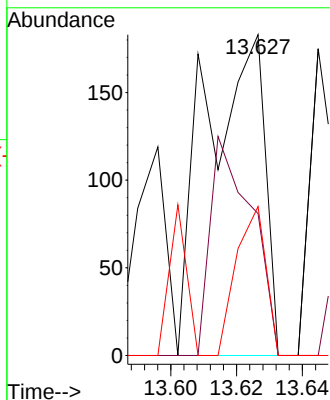
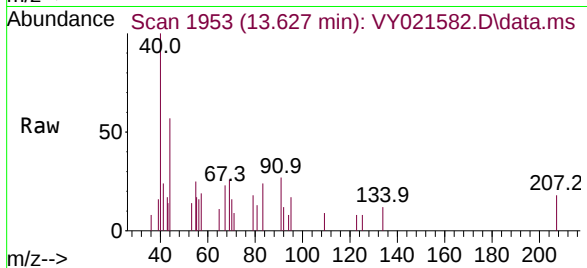
Instrument :

MSVOA_Y

ClientSampleId :

CHRT28607

Tgt Ion: 91	Resp:	226
Ion	Ratio	Lower Upper
91	100	
92	48.2	26.1 78.3
134	23.5	12.6 37.8



#90

Hexachloroethane

Concen: 83.198 ug/l

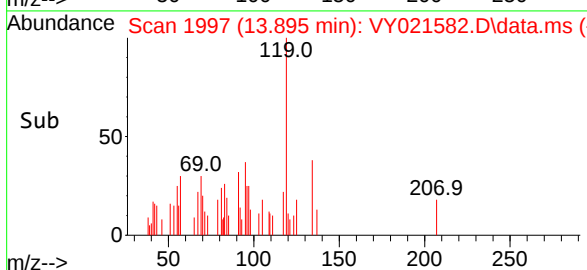
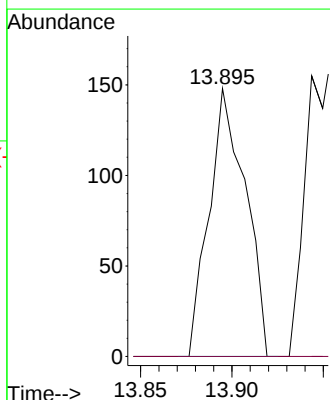
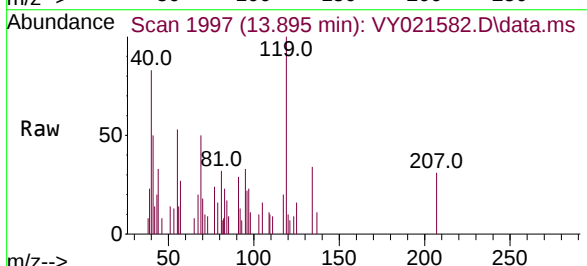
RT: 13.895 min Scan# 1997

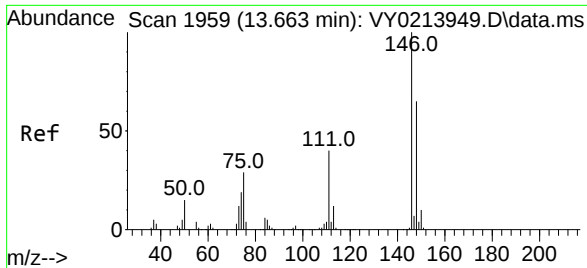
Delta R.T. 0.012 min

Lab File: VY021582.D

Acq: 20 Mar 2025 15:11

Tgt Ion: 117	Resp:	205
Ion	Ratio	Lower Upper
117	100	
201	0.0	37.4 112.2#

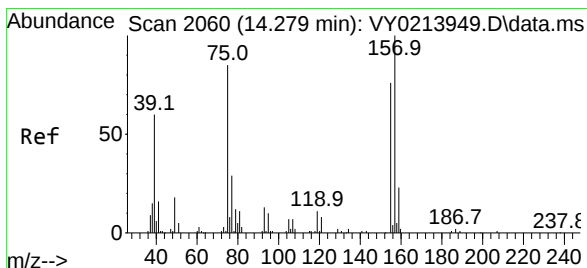
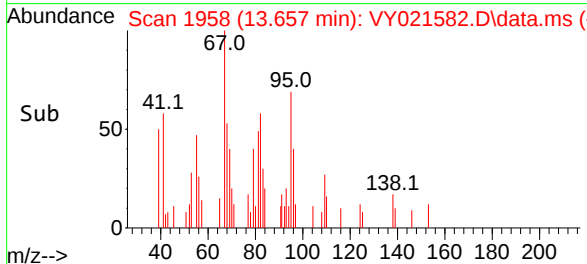
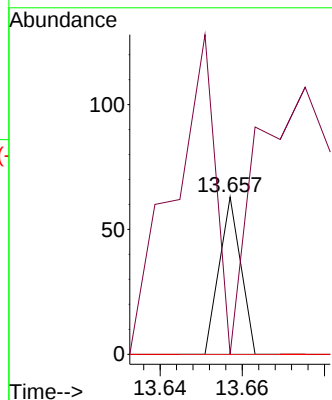
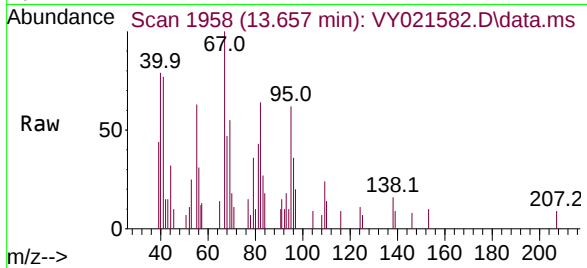




#91
1,2-Dichlorobenzene
Concen: 4.434 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.006 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

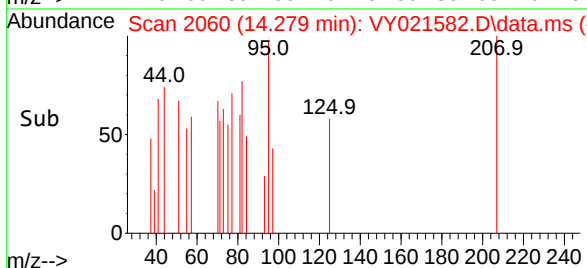
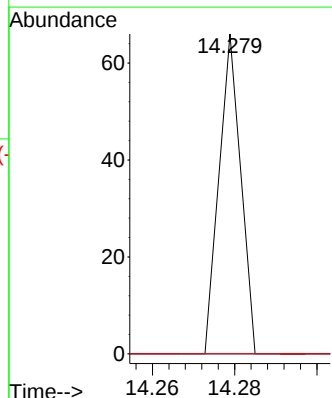
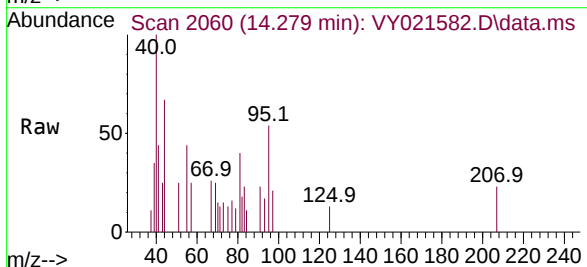
Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

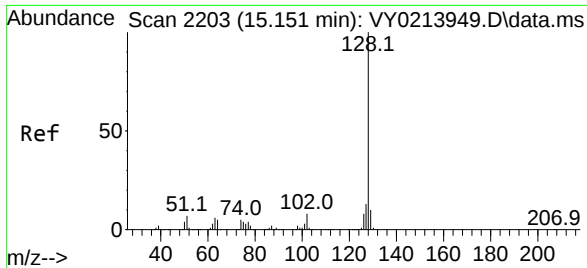
Tgt Ion:146 Resp: 23
Ion Ratio Lower Upper
146 100
111 395.7 20.7 62.1#
148 0.0 32.1 96.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 69.854 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021582.D
Acq: 20 Mar 2025 15:11

Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
155 0.0 43.5 130.5#
157 0.0 54.4 163.2#





#95

Naphthalene

Concen: 50.285 ug/l

RT: 15.151 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY021582.D

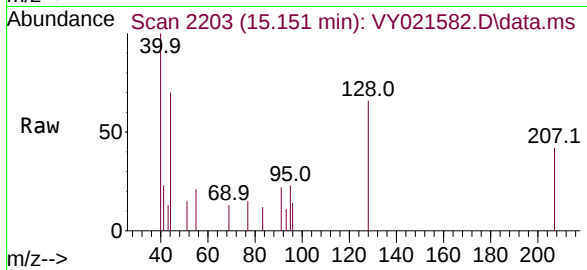
Acq: 20 Mar 2025 15:11

Instrument :

MSVOA_Y

ClientSampleId :

CHRT28607



Tgt Ion:128 Resp: 241

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

