

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080522\
 Data File : VY009870.D
 Acq On : 05 Aug 2022 22:54
 Operator : KP/MD
 Sample : N4073-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24133

Quant Time: Aug 06 01:24:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 04 02:27:45 2022
 Response via : Initial Calibration

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

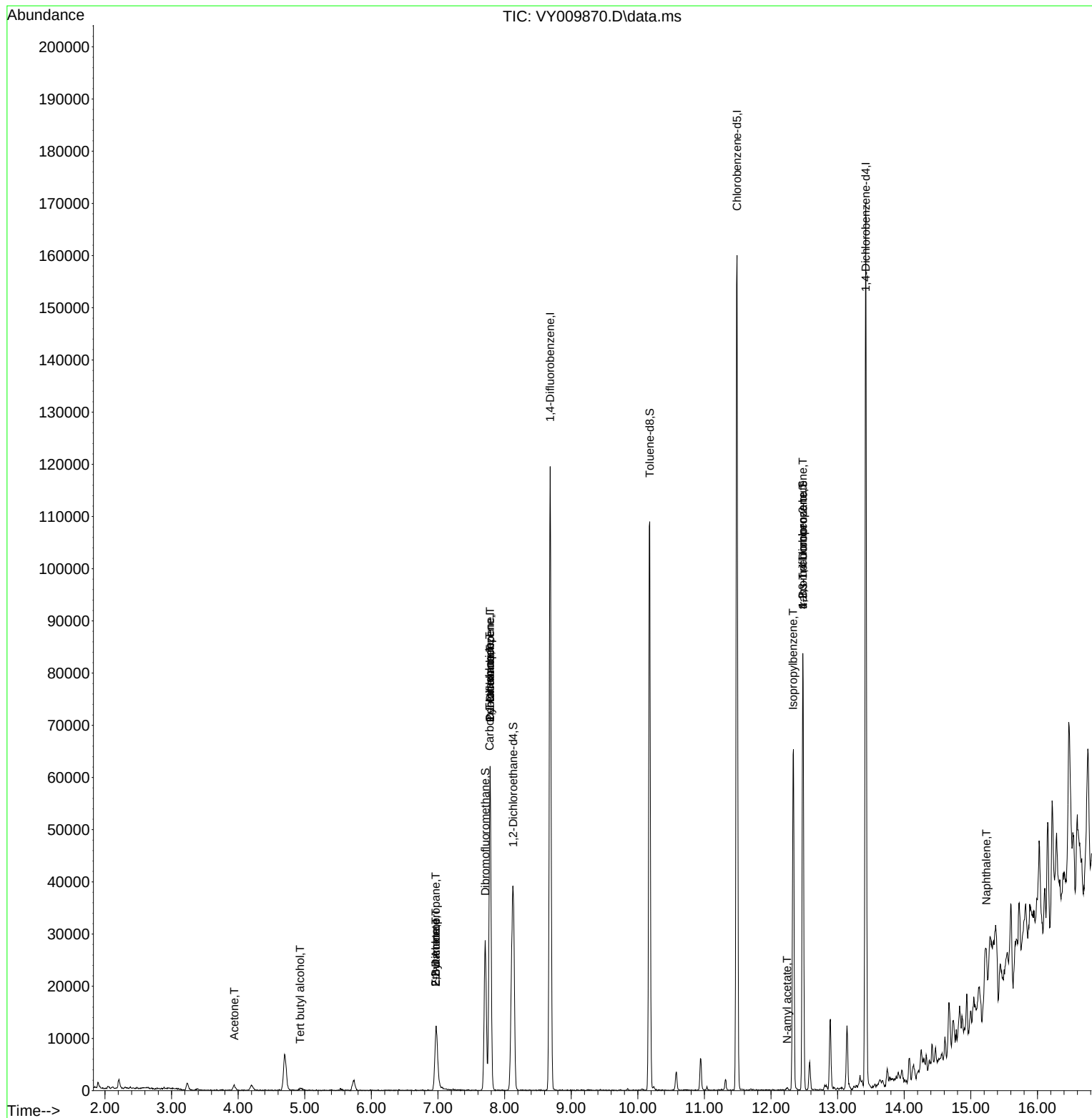
Internal Standards						
1) Pentafluorobenzene	7.783	168	45772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	96807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	85463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	39660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	20421	54.861	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.720%	
35) Dibromofluoromethane	7.710	113	19170	32.478	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 64.960%	
50) Toluene-d8	10.179	98	68439	37.810	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 75.620%#	
62) 4-Bromofluorobenzene	12.477	95	23469	29.363	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 58.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	907	Below Cal		85
11) Tert butyl alcohol	4.930	59	509	10.473	ug/l #	78
16) Acetone	3.942	43	1691	13.051	ug/l	92
25) 2-Butanone	6.966	43	775	3.657	ug/l #	53
26) 2,2-Dichloropropane	6.966	77	882	1.021	ug/l #	52
31) Cyclohexane	7.783	56	1098	1.268	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	3799	3.880	ug/l #	48
37) Ethyl Acetate	6.966	43	775	1.215	ug/l #	1
38) Carbon Tetrachloride	7.777	117	4368	4.241	ug/l #	17
73) Isopropylbenzene	12.331	105	3031	1.100	ug/l #	68
74) N-amyl acetate	12.239	43	264	3.692	ug/l #	45
76) 1,2,3-Trichloropropane	12.477	75	12214	26.922	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	12214	57.780	ug/l #	12
95) Naphthalene	15.233	128	7635	9.743	ug/l	97

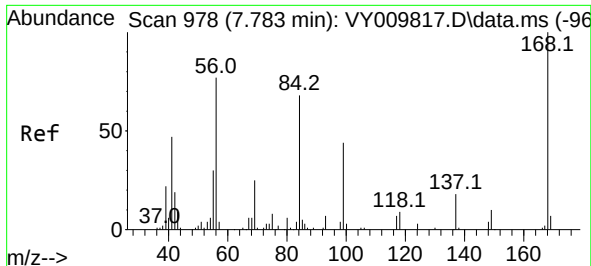
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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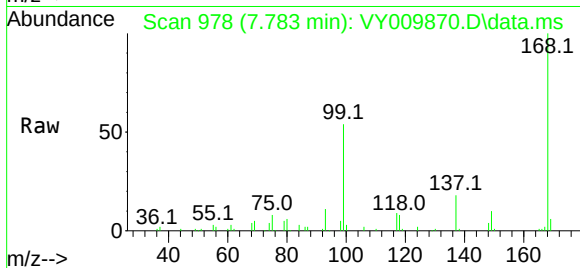
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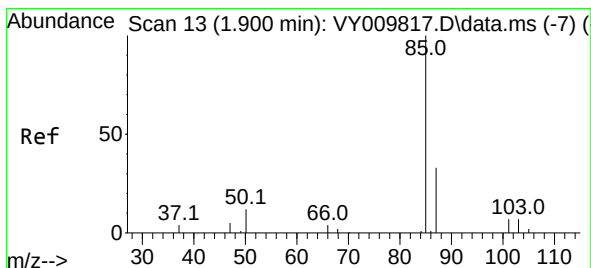
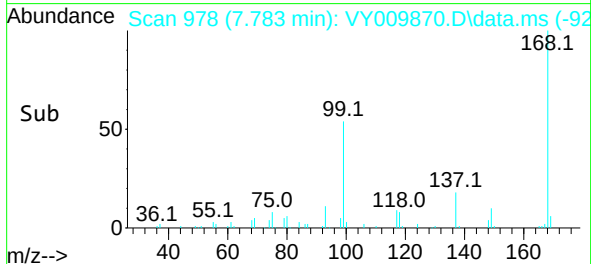
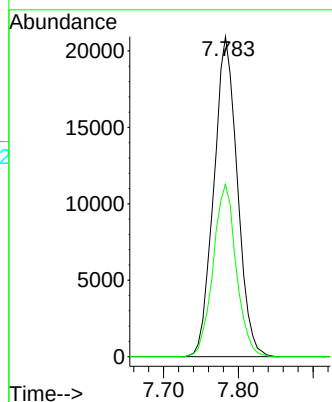


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24133

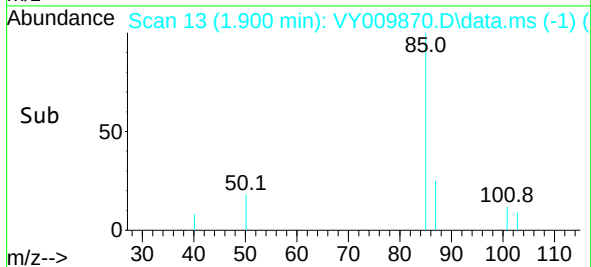
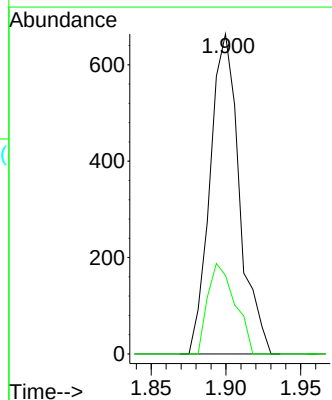
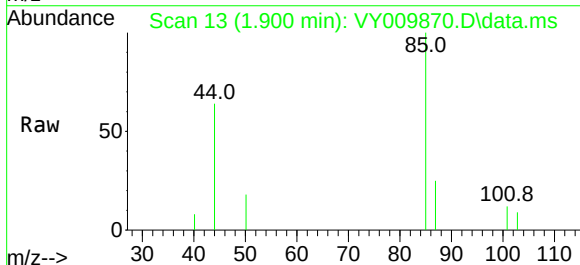


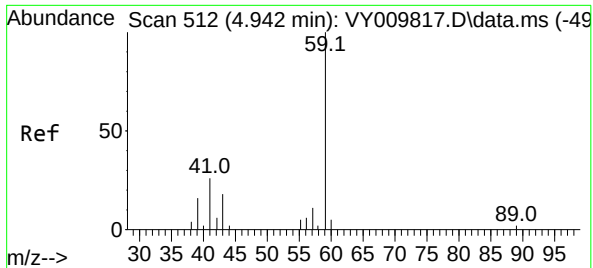
Tgt Ion:168 Resp: 45772
Ion Ratio Lower Upper
168 100
99 53.9 44.7 67.1



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

Tgt Ion: 85 Resp: 907
Ion Ratio Lower Upper
85 100
87 24.5 16.4 49.2

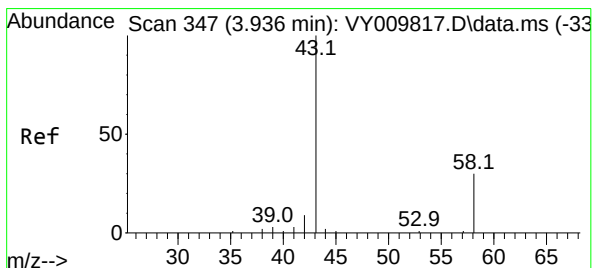
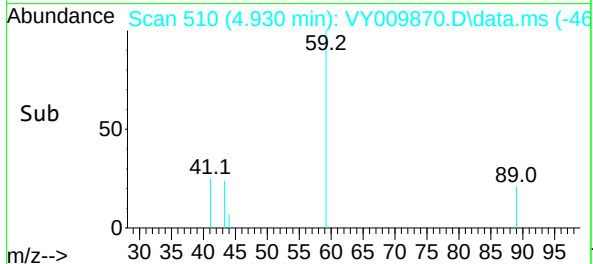
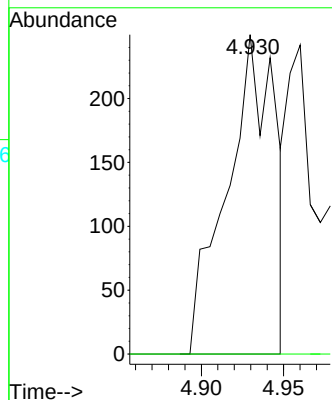
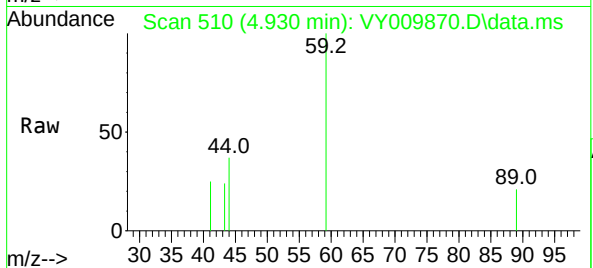




#11
Tert butyl alcohol
Concen: 10.473 ug/l
RT: 4.930 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

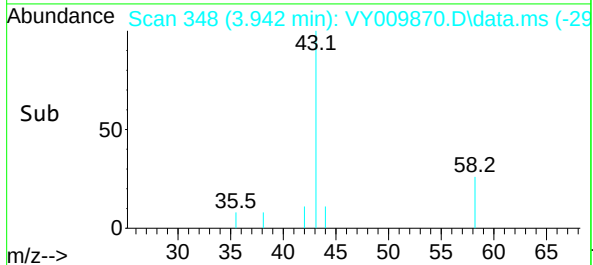
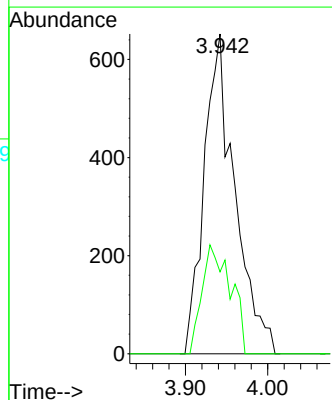
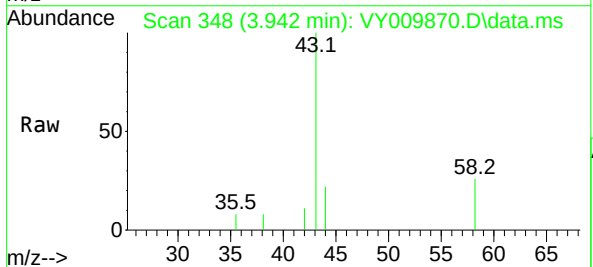
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24133

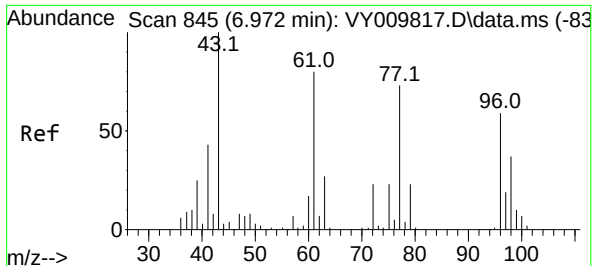
Tgt Ion: 59 Resp: 509
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#16
Acetone
Concen: 13.051 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
58 25.6 24.1 36.1





#25

2-Butanone

Concen: 3.657 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY009870.D

Acq: 05 Aug 2022 22:54

Instrument :

MSVOA_Y

ClientSampleId :

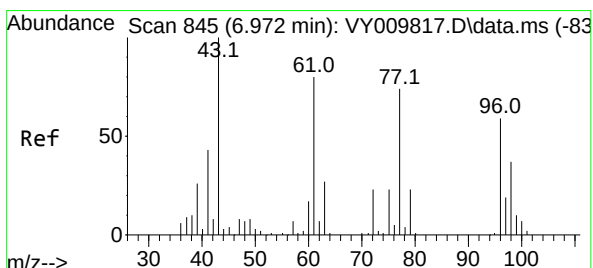
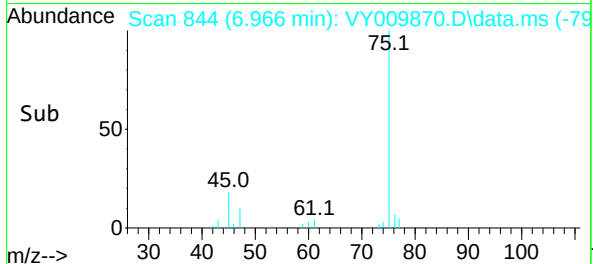
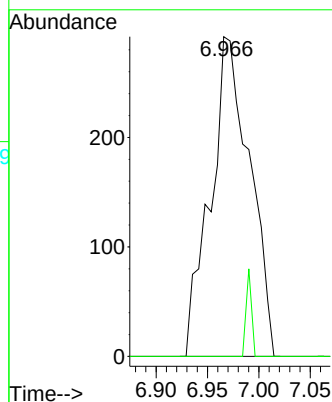
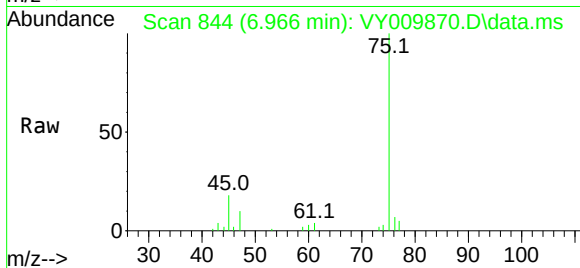
CHRT-24133

Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#26

2,2-Dichloropropane

Concen: 1.021 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY009870.D

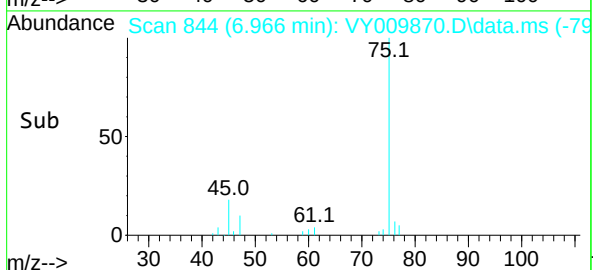
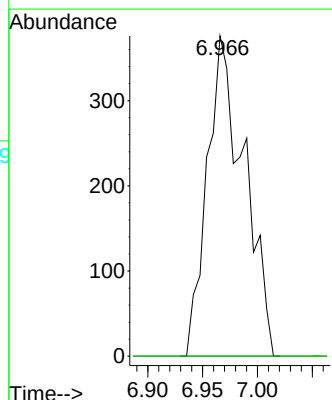
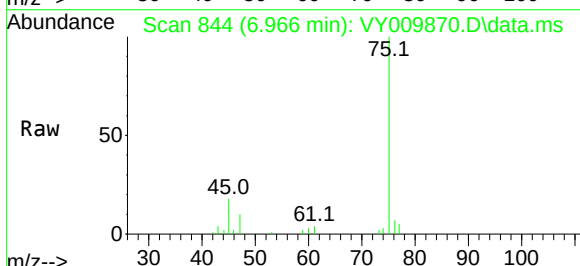
Acq: 05 Aug 2022 22:54

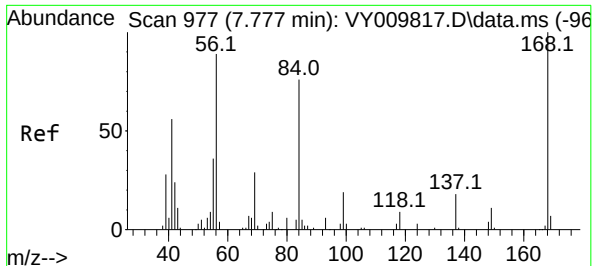
Tgt Ion: 77 Resp: 882

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#

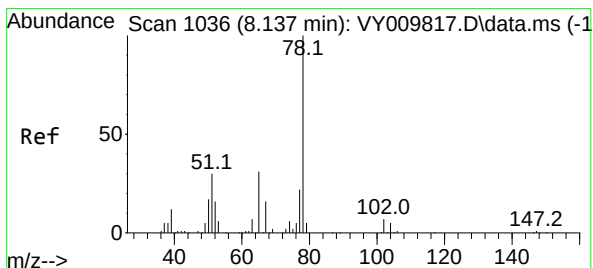
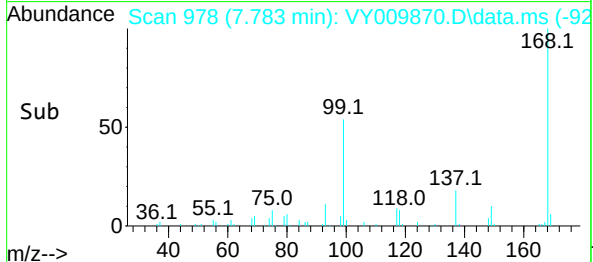
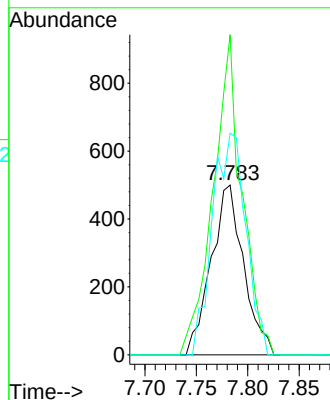
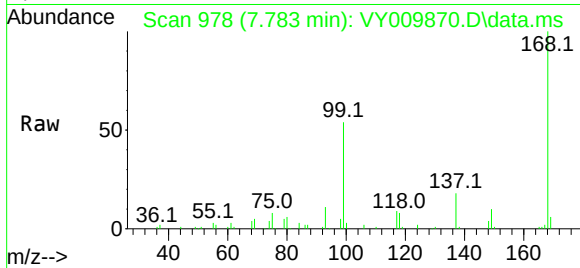




#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

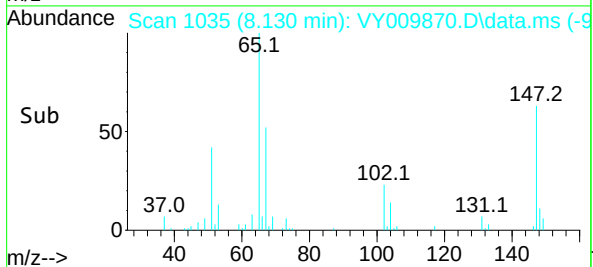
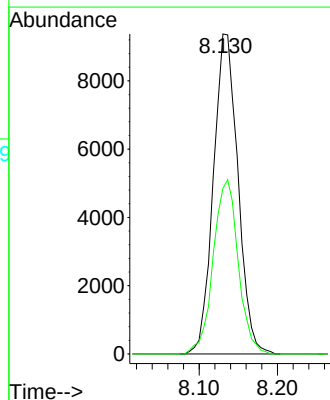
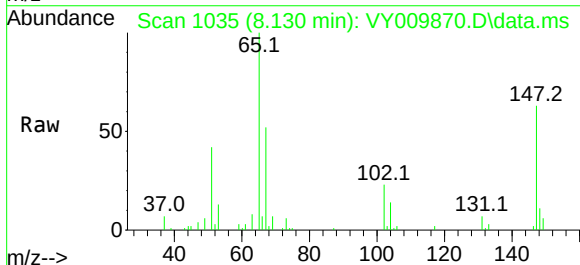
Instrument :
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ClientSampleId :
CHRT-24133

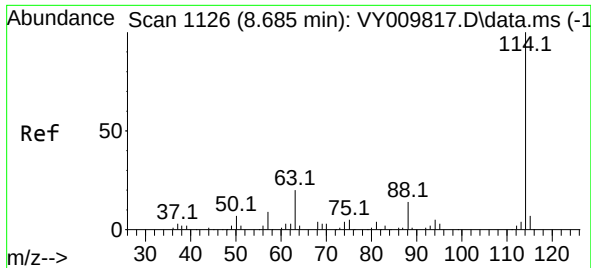
Tgt Ion: 56 Resp: 1098
Ion Ratio Lower Upper
56 100
69 188.6 25.8 38.8#
84 130.6 67.9 101.9#



#33
1,2-Dichloroethane-d4
Concen: 54.861 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.007 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

Tgt Ion: 65 Resp: 20421
Ion Ratio Lower Upper
65 100
67 55.3 0.0 112.4

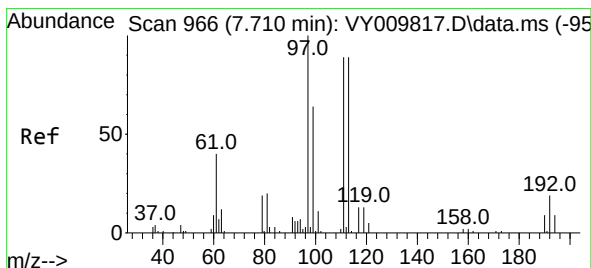
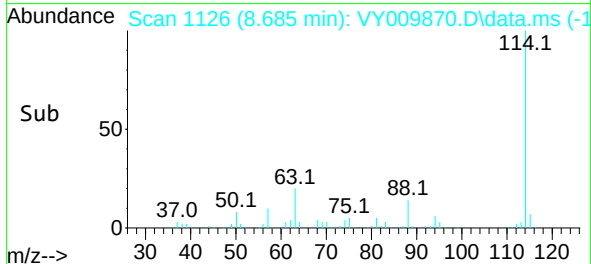
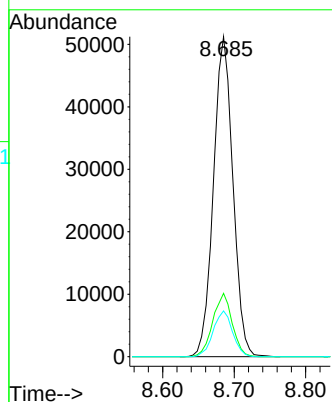
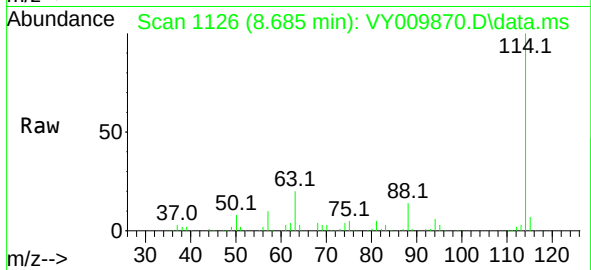




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

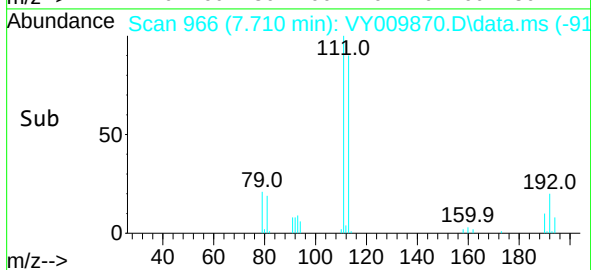
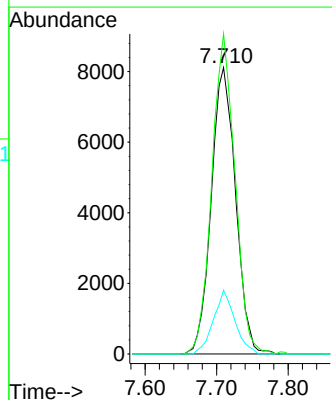
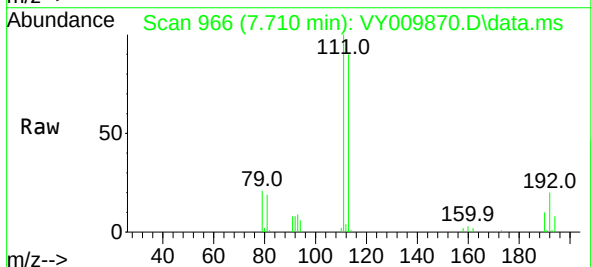
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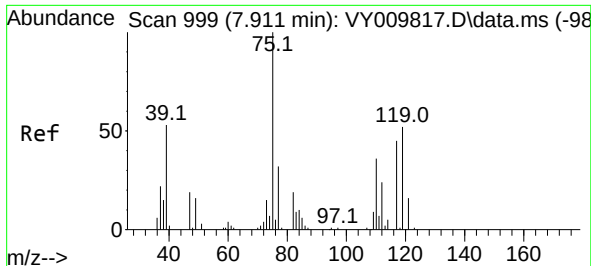
Tgt Ion:114	Resp:	96807
Ion Ratio	Lower	Upper
114	100	
63	19.8	0.0 39.2
88	14.3	0.0 27.6



#35
Dibromofluoromethane
Concen: 32.478 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

Tgt Ion:113	Resp:	19170
Ion Ratio	Lower	Upper
113	100	
111	106.5	82.4 123.6
192	19.7	16.5 24.7

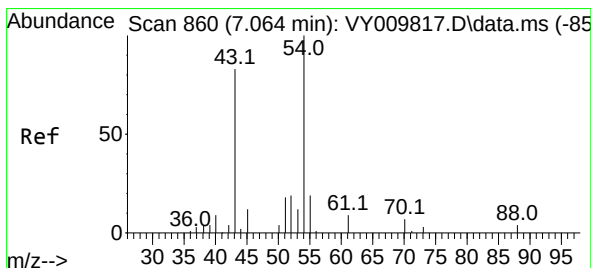
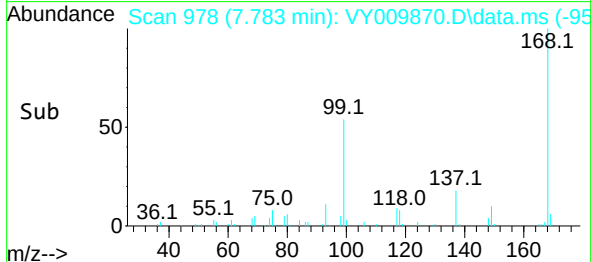
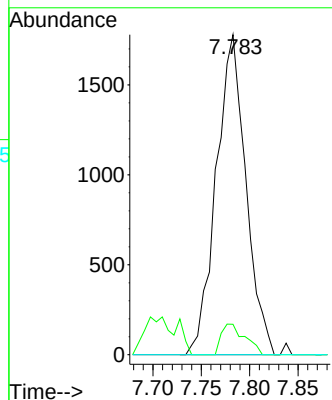
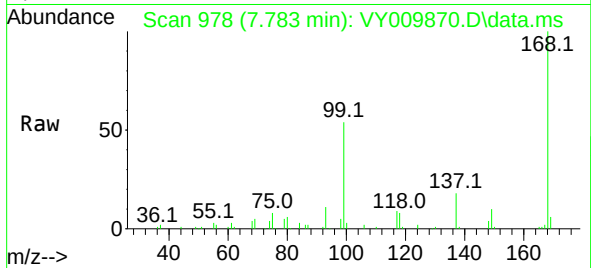




#36
1,1-Dichloropropene
Concen: 3.880 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

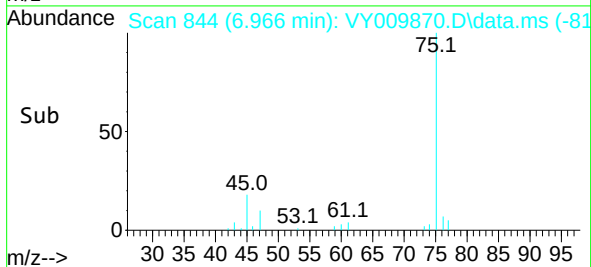
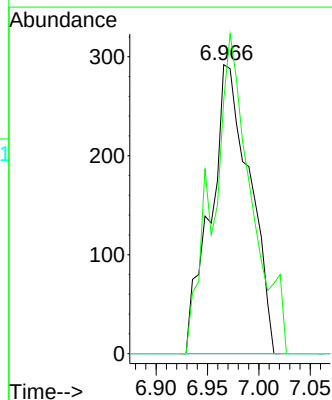
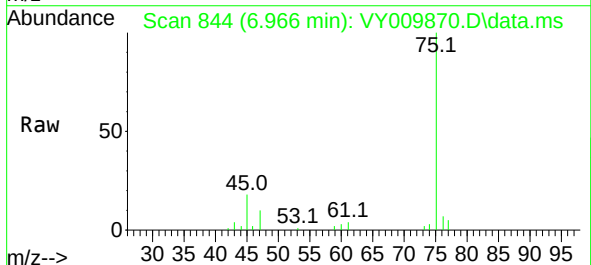
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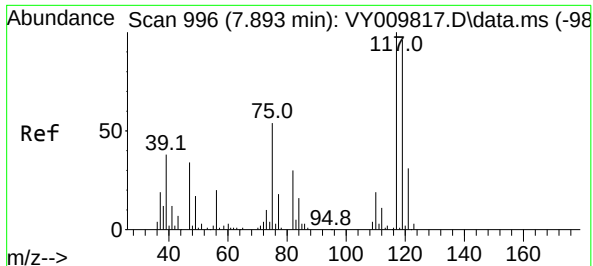
Tgt Ion: 75 Resp: 3799
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.4#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 1.215 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.098 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

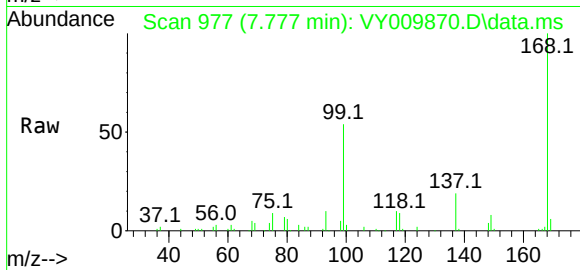
Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
61 107.6 11.0 16.6#
70 0.0 7.0 10.6#



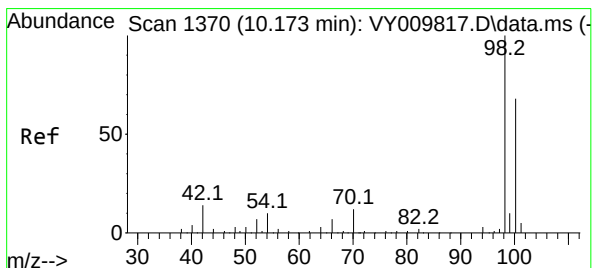
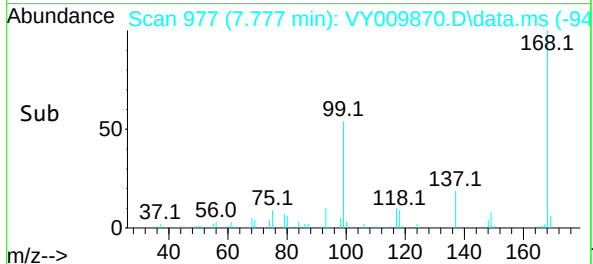
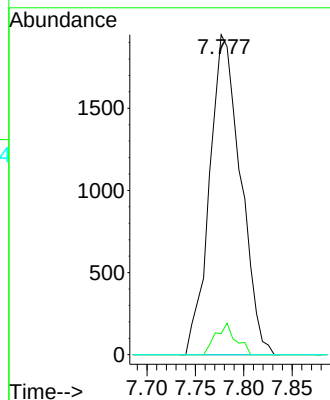


#38
Carbon Tetrachloride
Concen: 4.241 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24133

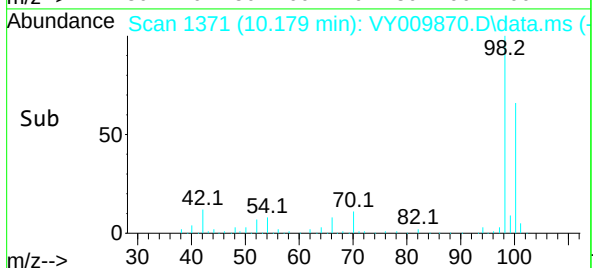
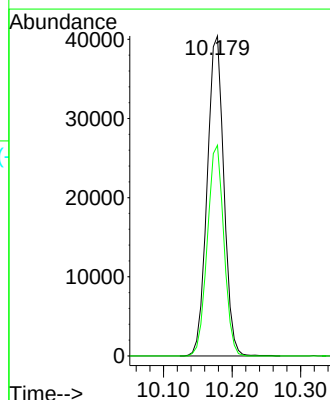
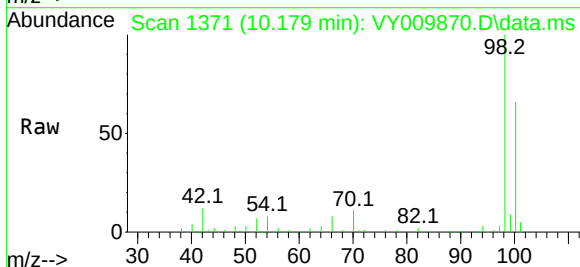


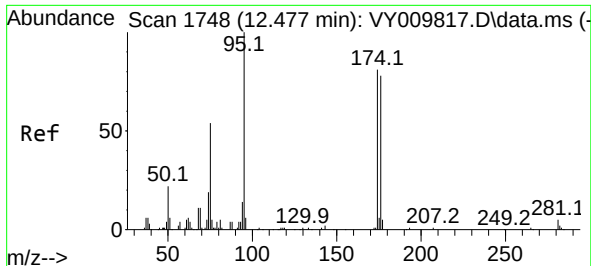
Tgt Ion:117 Resp: 4368
Ion Ratio Lower Upper
117 100
119 6.6 76.8 115.2#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 37.810 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

Tgt Ion: 98 Resp: 68439
Ion Ratio Lower Upper
98 100
100 65.4 53.4 80.2

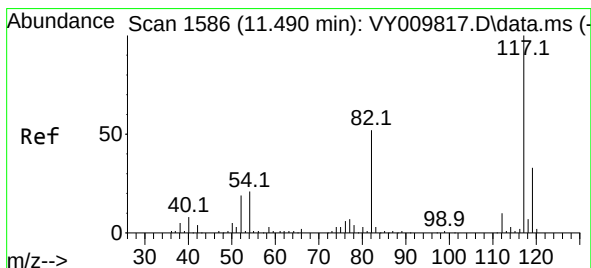
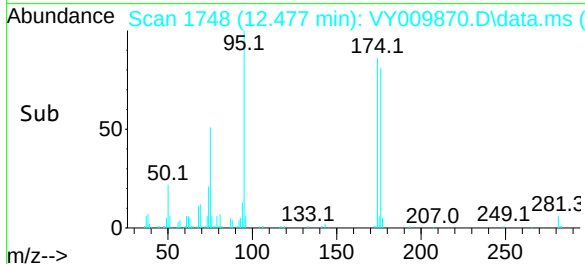
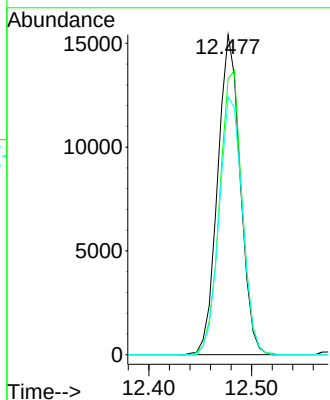
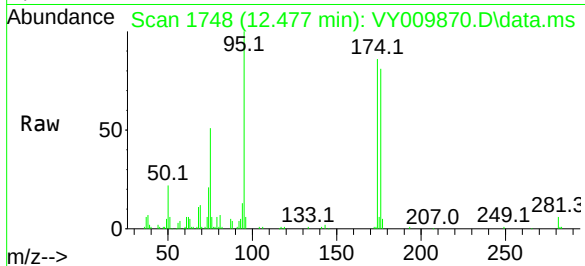




#62
4-Bromofluorobenzene
Concen: 29.363 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

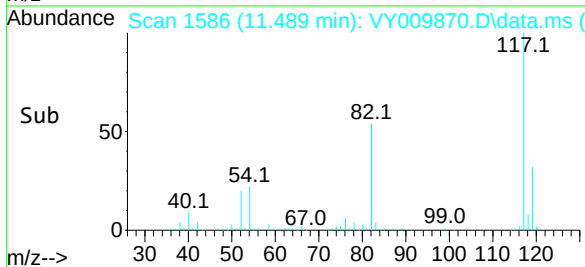
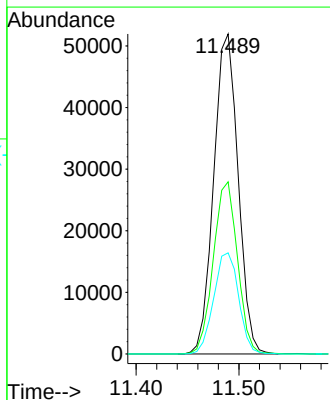
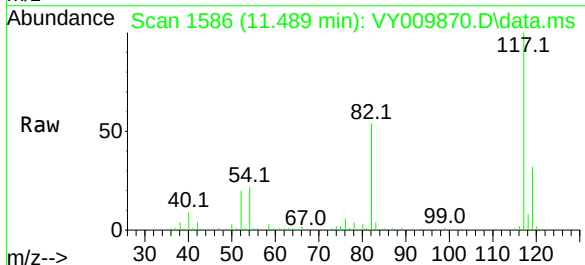
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24133

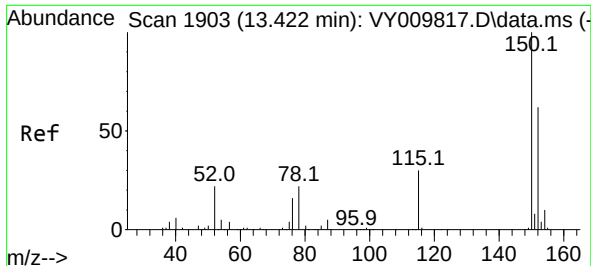
Tgt Ion:	95	Resp:	23469
Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	168.6
176	83.0	0.0	163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

Tgt Ion:	117	Resp:	85463
Ion	Ratio	Lower	Upper
117	100		
82	53.8	41.7	62.5
119	31.6	26.6	40.0

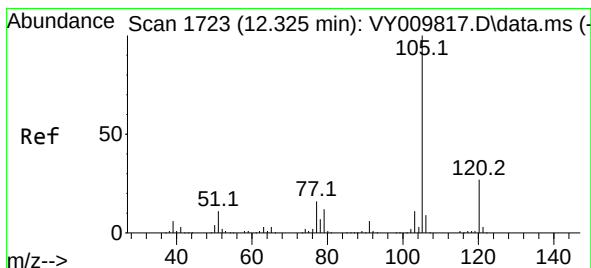
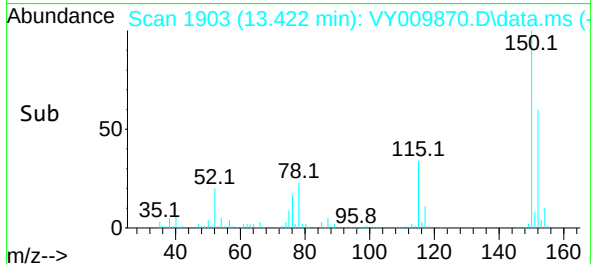
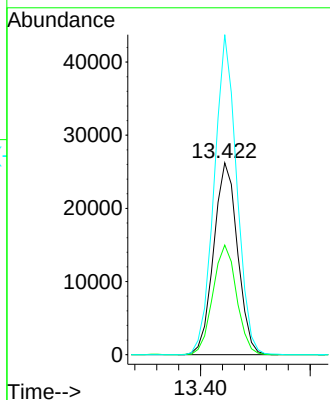
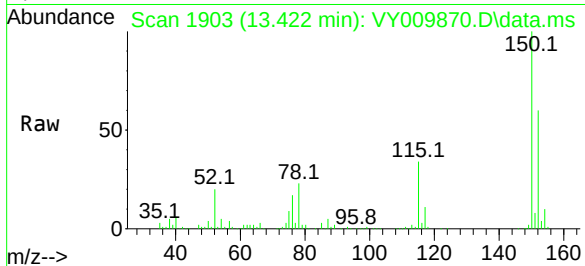




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY009870.D
 Acq: 05 Aug 2022 22:54

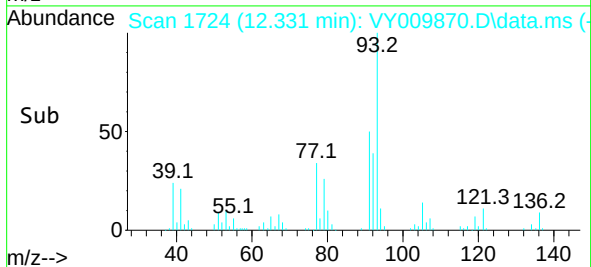
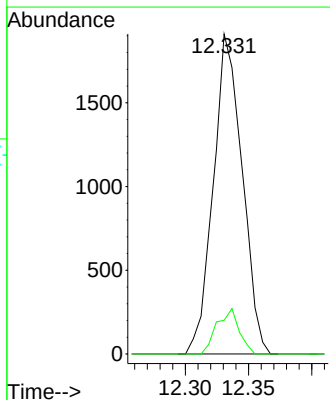
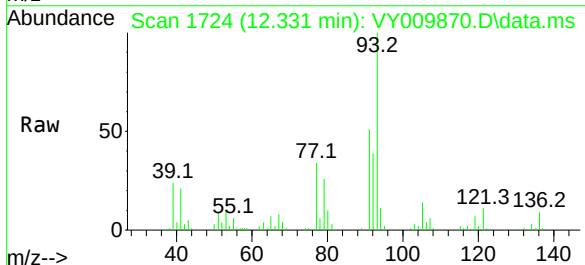
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24133

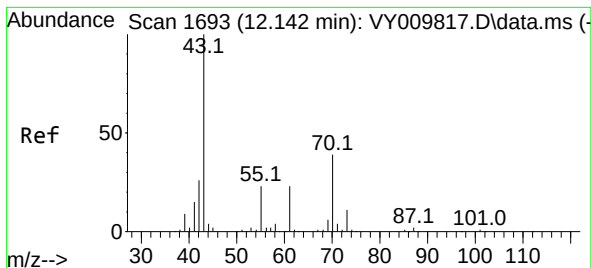
Tgt Ion:152 Resp: 39660
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.9 86.7
 150 157.7 0.0 354.2



#73
 Isopropylbenzene
 Concen: 1.100 ug/l
 RT: 12.331 min Scan# 1724
 Delta R.T. 0.006 min
 Lab File: VY009870.D
 Acq: 05 Aug 2022 22:54

Tgt Ion:105 Resp: 3031
 Ion Ratio Lower Upper
 105 100
 120 10.9 13.8 41.3#





#74

N-amy1 acetate

Concen: 3.692 ug/l

RT: 12.239 min Scan# 1709

Delta R.T. 0.097 min

Lab File: VY009870.D

Acq: 05 Aug 2022 22:54

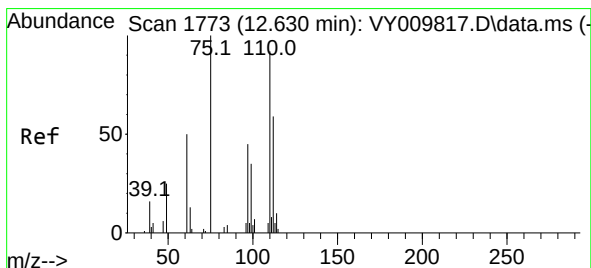
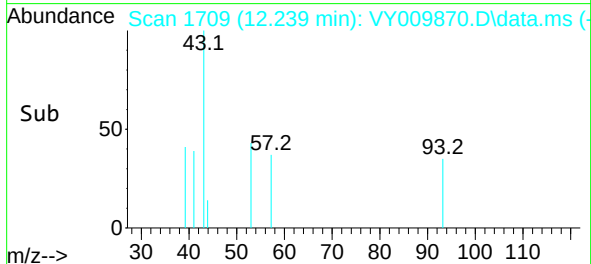
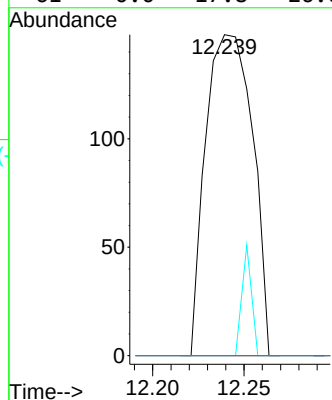
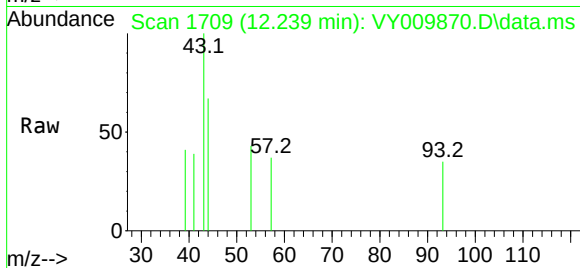
Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24133

Tgt Ion: 43	Resp: 264
Ion Ratio	Lower Upper
43 100	
70 0.0	31.4 47.0#
55 0.0	19.0 28.4#
61 0.0	17.8 26.6#



#76

1,2,3-Trichloropropane

Concen: 26.922 ug/l

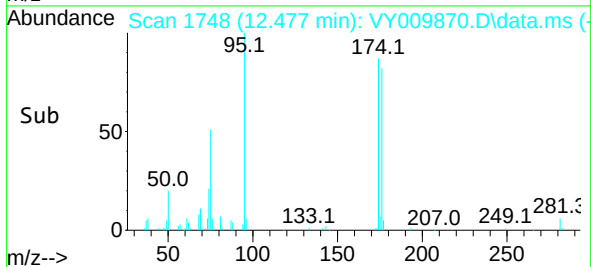
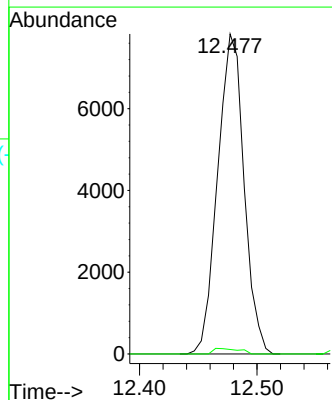
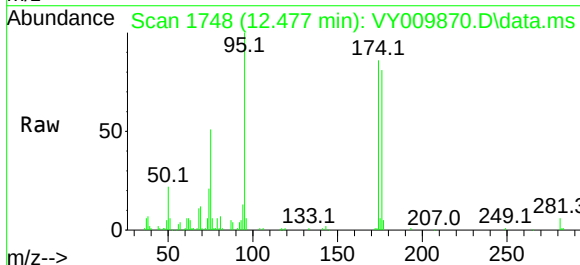
RT: 12.477 min Scan# 1748

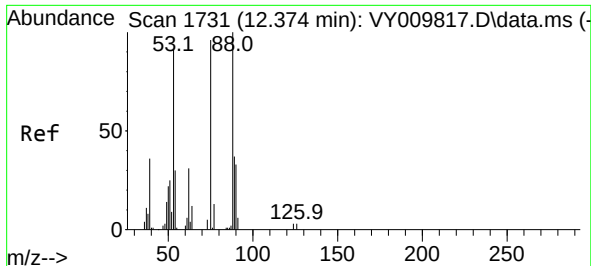
Delta R.T. -0.153 min

Lab File: VY009870.D

Acq: 05 Aug 2022 22:54

Tgt Ion: 75	Resp: 12214
Ion Ratio	Lower Upper
75 100	
77 1.7	0.0 0.0#

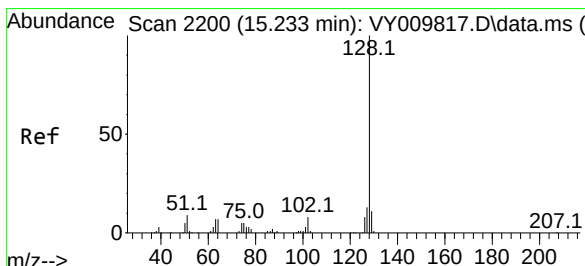
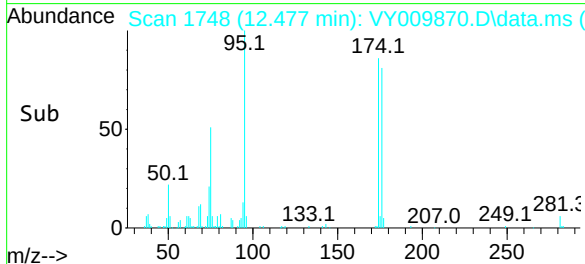
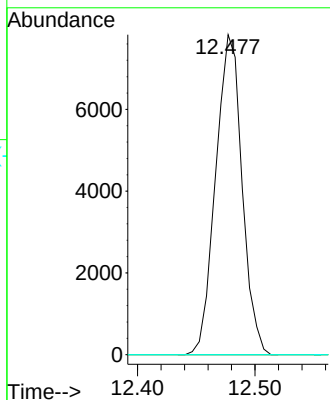
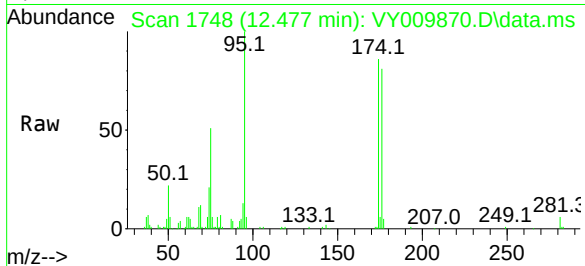




#81
trans-1,4-Dichloro-2-butene
Concen: 57.780 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24133

Tgt Ion: 75 Resp: 12214
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 9.743 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009870.D
Acq: 05 Aug 2022 22:54

Tgt Ion: 128 Resp: 7635
Ion Ratio Lower Upper
128 100
127 15.0 10.5 15.7
129 10.8 8.7 13.1

