

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081222\
 Data File : VY009995.D
 Acq On : 12 Aug 2022 18:48
 Operator : KP/MD
 Sample : N4143-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-24051

Quant Time: Aug 13 02:57:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 13 02:54:57 2022
 Response via : Initial Calibration

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

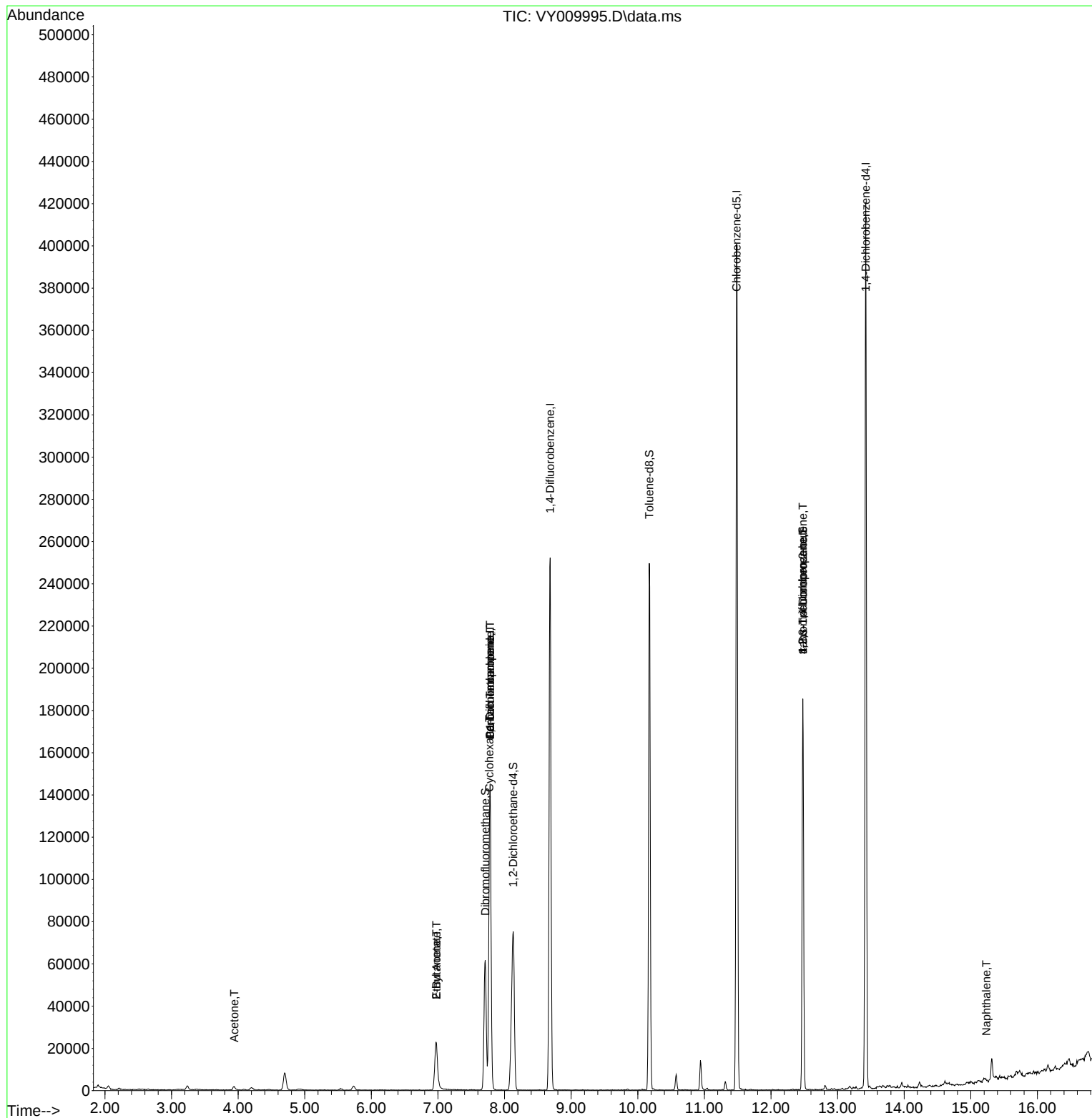
Internal Standards						
1) Pentafluorobenzene	7.783	168	112179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	226759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	227513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	106324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	46185	40.586	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.180%
35) Dibromofluoromethane	7.710	113	46069	33.194	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	66.380%
50) Toluene-d8	10.173	98	169717	31.915	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	63.820%
62) 4-Bromofluorobenzene	12.477	95	60938	31.277	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	62.560%
Target Compounds						
5) Bromomethane	2.644	94	109	Below Cal	Qvalue	100
11) Tert butyl alcohol	4.936	59	973	Below Cal	#	78
16) Acetone	3.942	43	2839	10.388	ug/l #	59
18) Methyl Acetate	4.460	43	557	Below Cal	#	52
20) Methylene Chloride	4.698	84	6613	Below Cal		88
25) 2-Butanone	6.978	43	1176	2.773	ug/l #	82
31) Cyclohexane	7.771	56	2233	1.096	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9279	4.490	ug/l #	48
37) Ethyl Acetate	6.978	43	1176	1.054	ug/l #	1
38) Carbon Tetrachloride	7.783	117	11455	5.554	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	28466	23.168	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	28466	50.363	ug/l #	13
95) Naphthalene	15.233	128	800	3.249	ug/l #	84

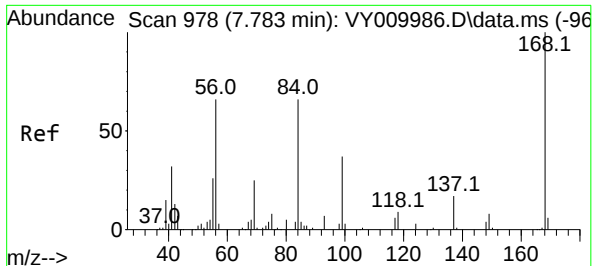
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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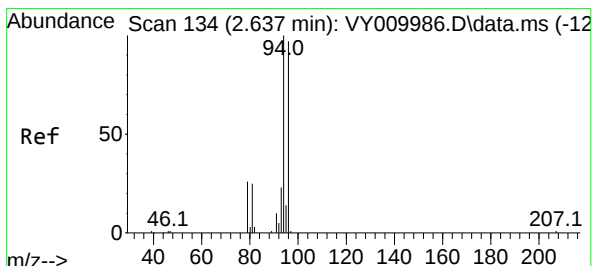
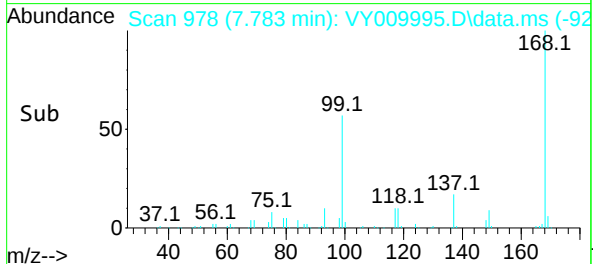
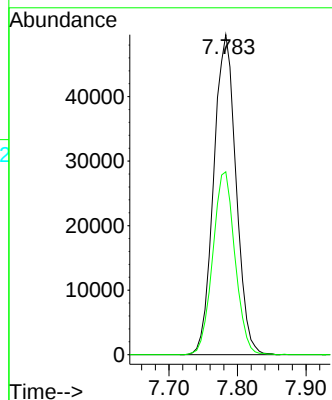
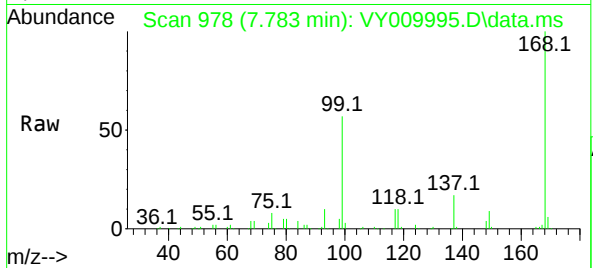




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

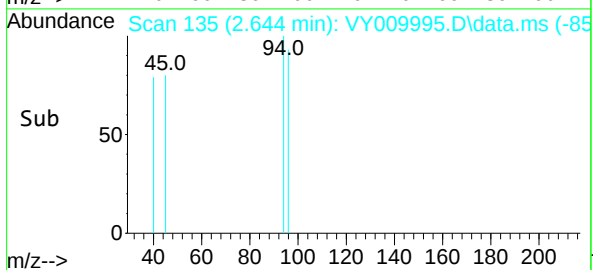
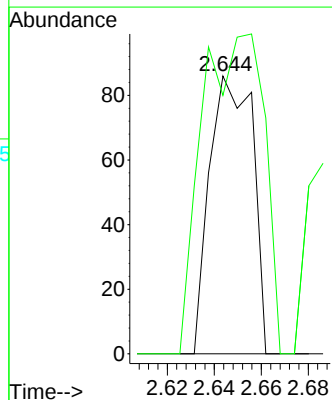
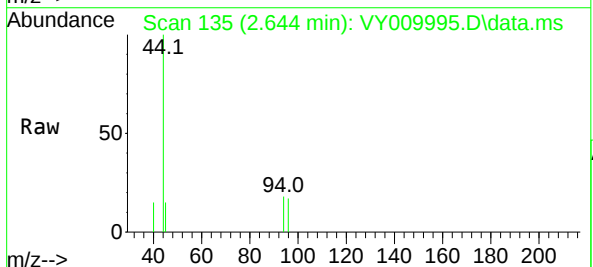
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

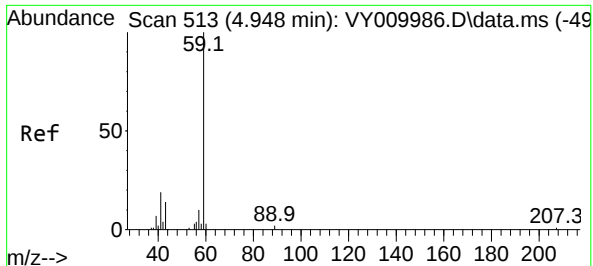
Tgt Ion:168 Resp: 112179
Ion Ratio Lower Upper
168 100
99 57.2 42.1 63.1



#5
Bromomethane
Concen: Below Cal
RT: 2.644 min Scan# 135
Delta R.T. 0.007 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

Tgt Ion: 94 Resp: 109
Ion Ratio Lower Upper
94 100
96 93.0 74.6 111.8





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 513

Delta R.T. -0.012 min

Lab File: VY009995.D

Acq: 12 Aug 2022 18:48

Instrument :

MSVOA_Y

ClientSampleId :

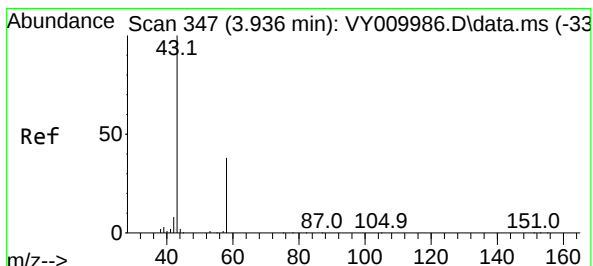
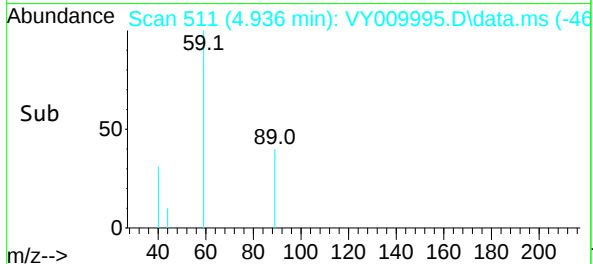
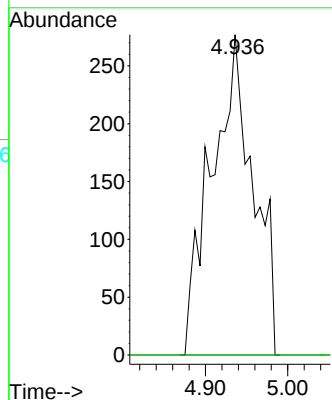
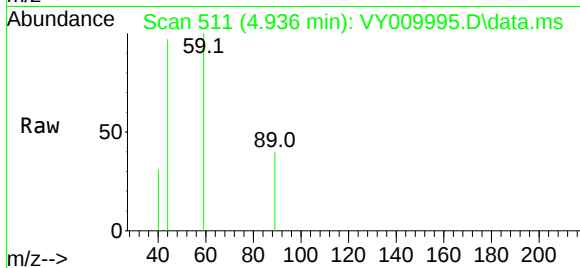
CHRT-24051

Tgt Ion: 59 Resp: 973

Ion Ratio Lower Upper

59 100

57 0.0 6.3 9.5#



#16

Acetone

Concen: 10.388 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY009995.D

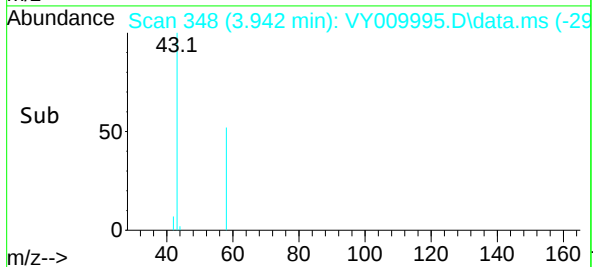
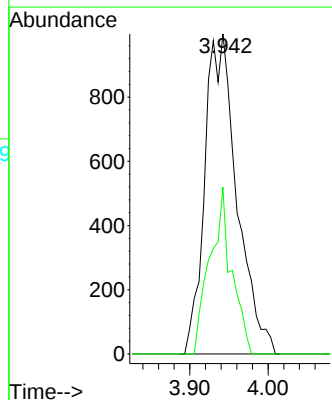
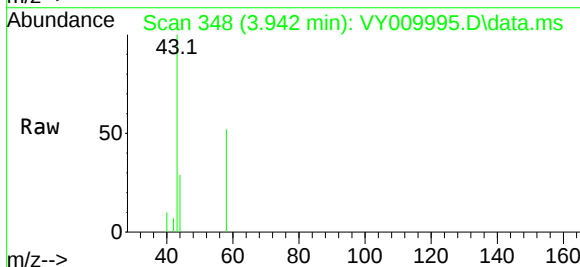
Acq: 12 Aug 2022 18:48

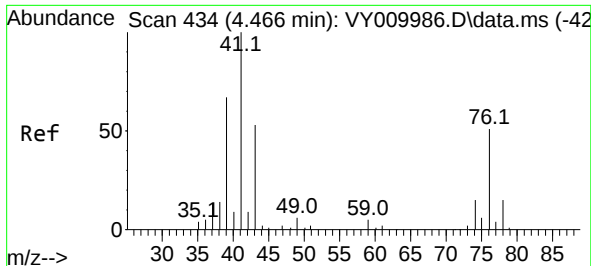
Tgt Ion: 43 Resp: 2839

Ion Ratio Lower Upper

43 100

58 52.2 24.0 36.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.460 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY009995.D

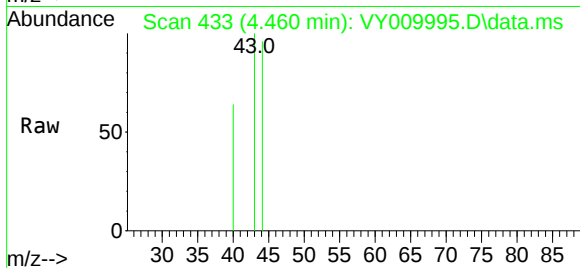
Acq: 12 Aug 2022 18:48

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24051

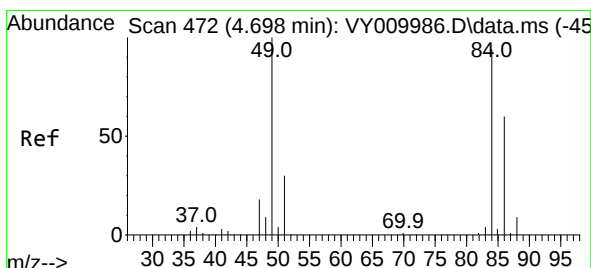
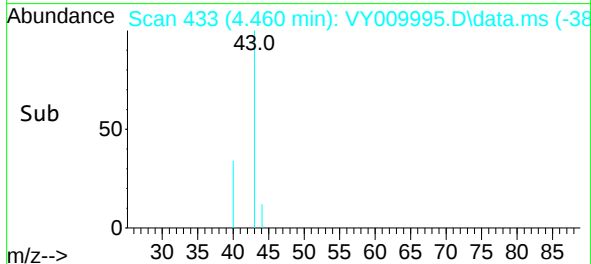
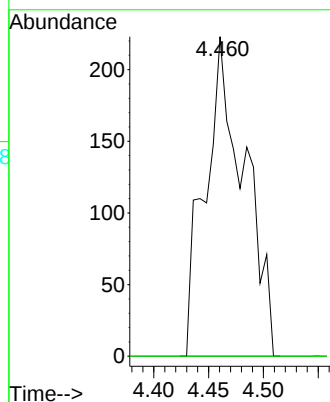


Tgt Ion: 43 Resp: 557

Ion Ratio Lower Upper

43 100

74 0.0 18.8 28.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. 0.000 min

Lab File: VY009995.D

Acq: 12 Aug 2022 18:48

Tgt Ion: 84 Resp: 6613

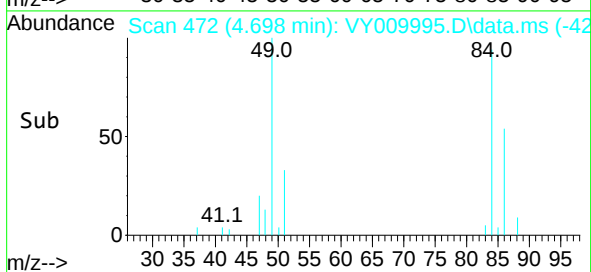
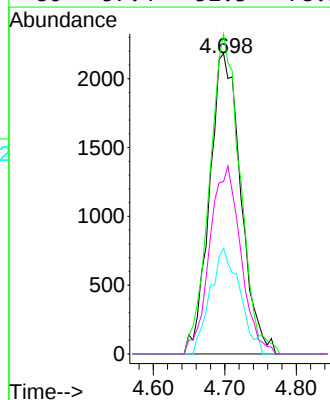
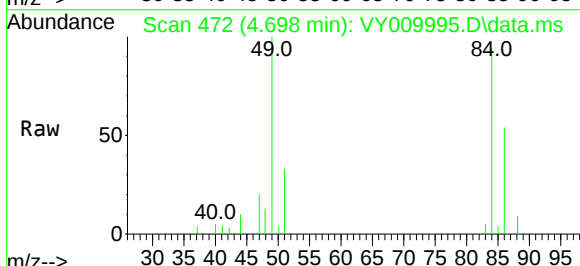
Ion Ratio Lower Upper

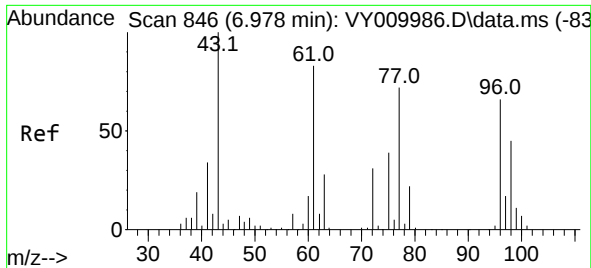
84 100

49 106.5 98.2 147.4

51 35.2 33.4 50.0

86 57.4 52.3 78.5





#25

2-Butanone

Concen: 2.773 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY009995.D

Acq: 12 Aug 2022 18:48

Instrument :

MSVOA_Y

ClientSampleId :

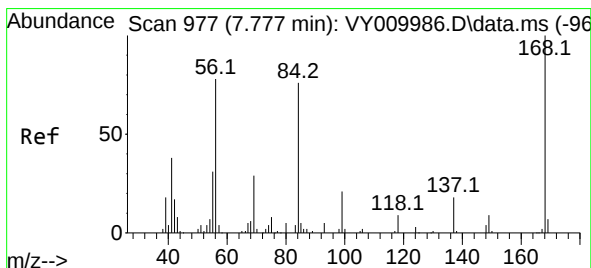
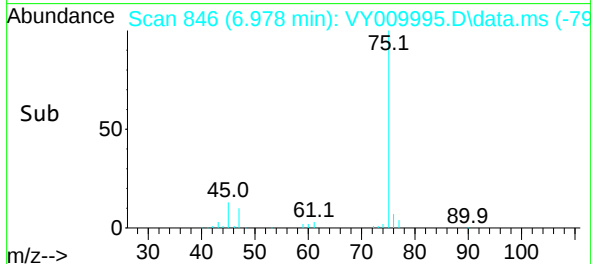
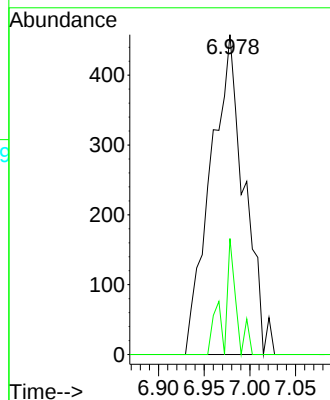
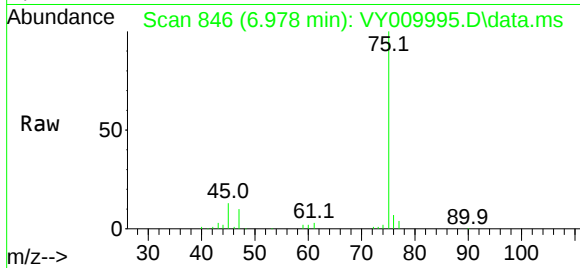
CHRT-24051

Tgt Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

72 36.2 21.5 32.3#



#31

Cyclohexane

Concen: 1.096 ug/l

RT: 7.771 min Scan# 976

Delta R.T. -0.006 min

Lab File: VY009995.D

Acq: 12 Aug 2022 18:48

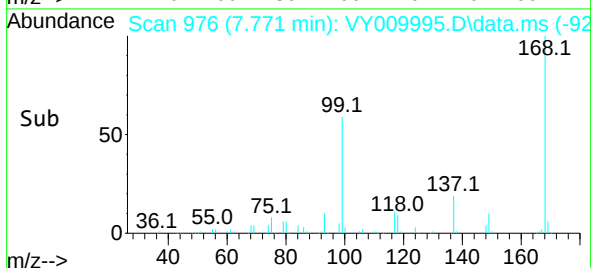
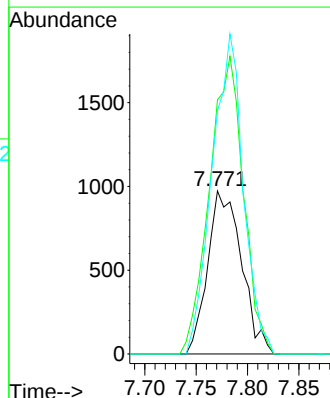
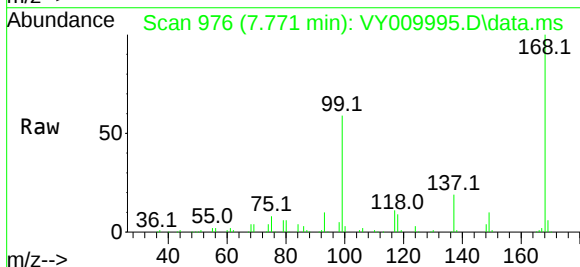
Tgt Ion: 56 Resp: 2233

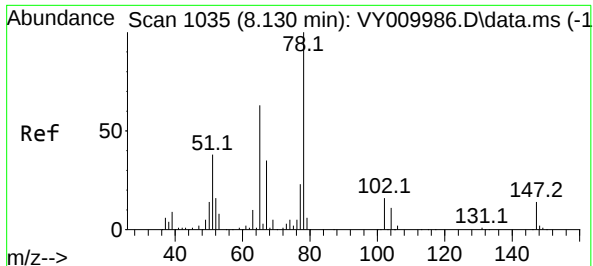
Ion Ratio Lower Upper

56 100

69 156.0 26.0 39.0#

84 149.4 69.5 104.3#

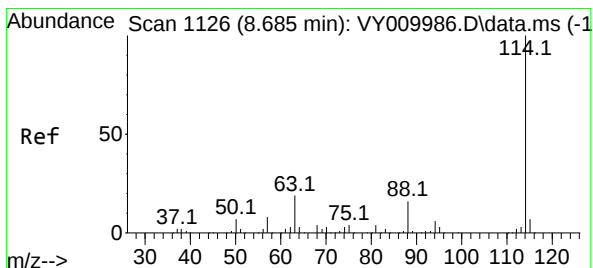
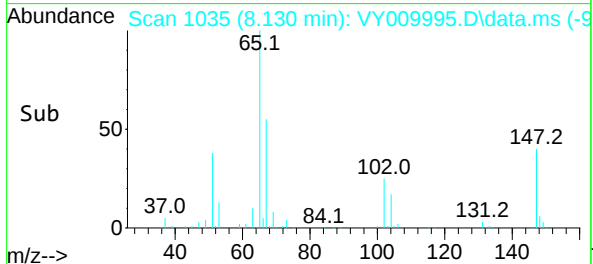
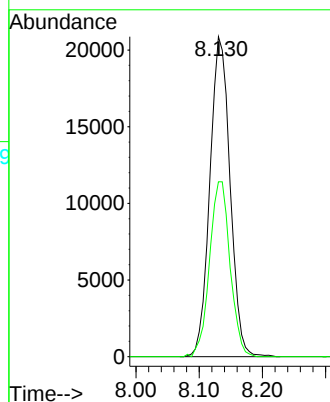
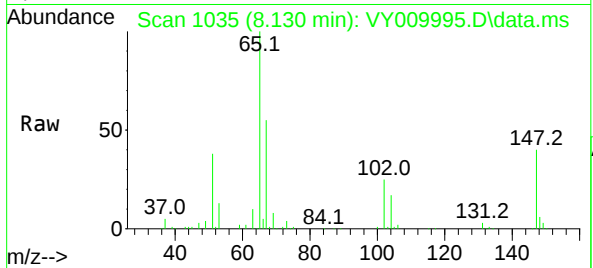




#33
1,2-Dichloroethane-d4
Concen: 40.586 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

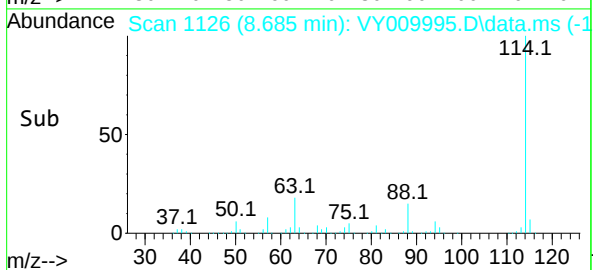
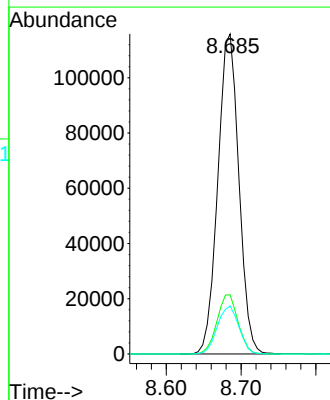
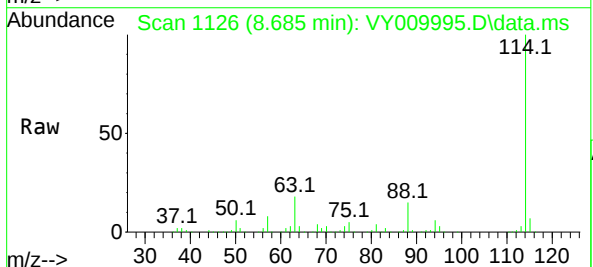
Instrument :
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CHRT-24051

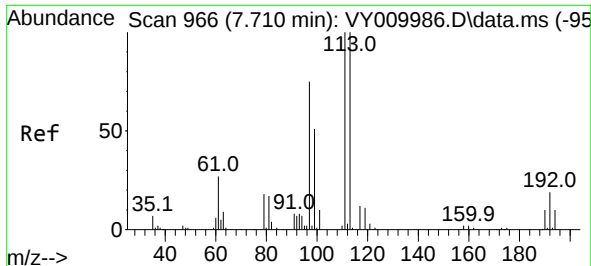
Tgt Ion: 65 Resp: 46185
Ion Ratio Lower Upper
65 100
67 55.6 0.0 108.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

Tgt Ion: 114 Resp: 226759
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.0
88 15.0 0.0 30.0

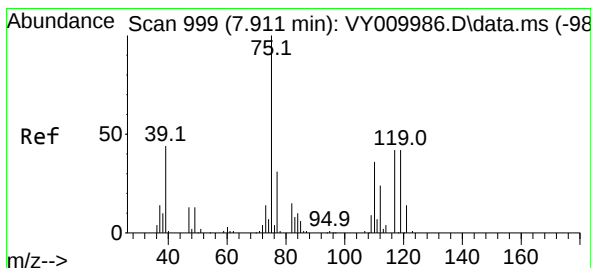
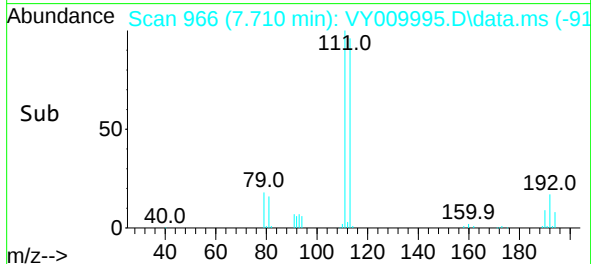
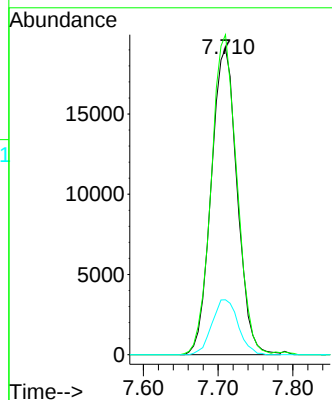
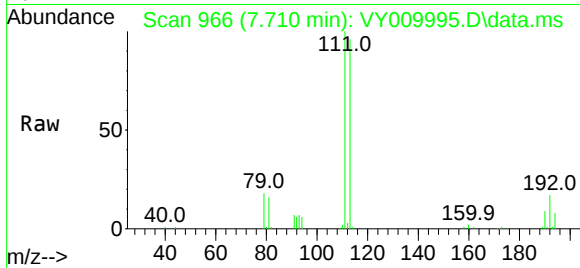




#35
Dibromofluoromethane
Concen: 33.194 ug/l
RT: 7.710 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

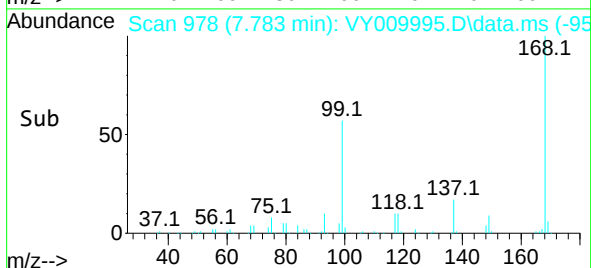
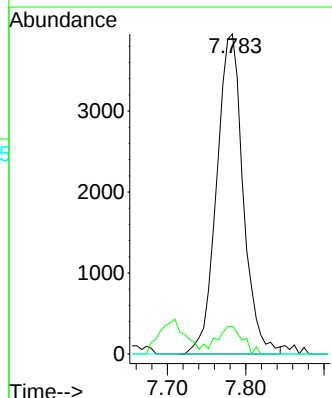
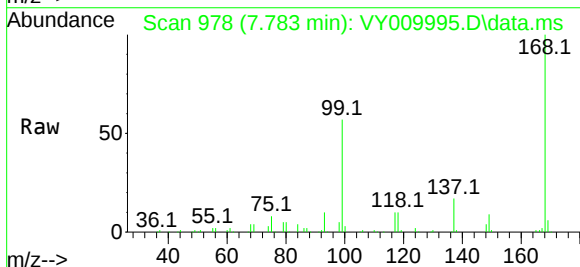
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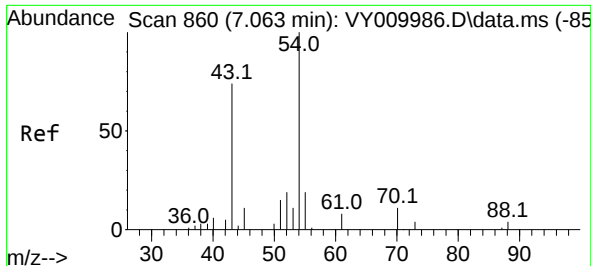
Tgt Ion:113 Resp: 46069
Ion Ratio Lower Upper
113 100
111 103.2 80.6 120.8
192 18.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.490 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

Tgt Ion: 75 Resp: 9279
Ion Ratio Lower Upper
75 100
110 8.7 18.6 56.0#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.054 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY009995.D

Acq: 12 Aug 2022 18:48

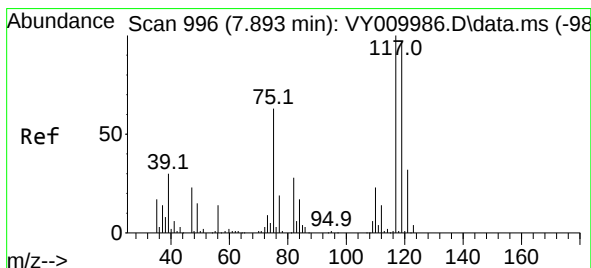
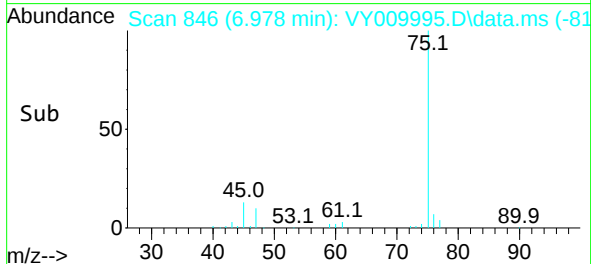
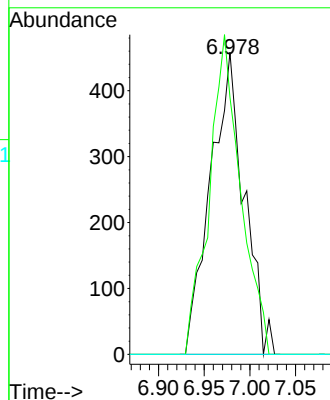
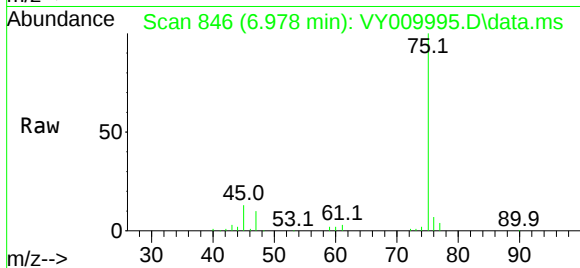
Instrument :

MSVOA_Y

ClientSampleId :

CHRT-24051

Tgt Ion:	43	Resp:	1176
Ion	Ratio	Lower	Upper
43	100		
61	99.1	11.2	16.8#
70	0.0	8.4	12.6#



#38

Carbon Tetrachloride

Concen: 5.554 ug/l

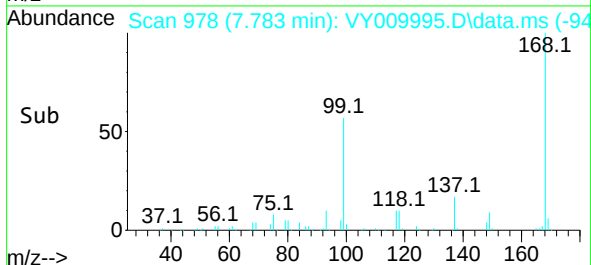
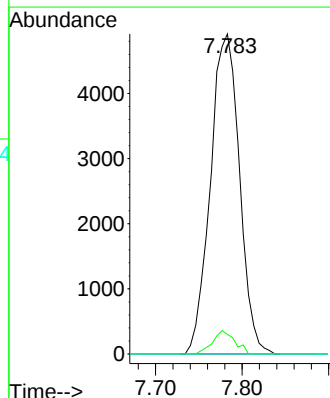
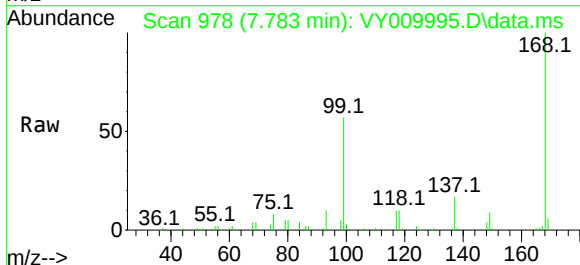
RT: 7.783 min Scan# 978

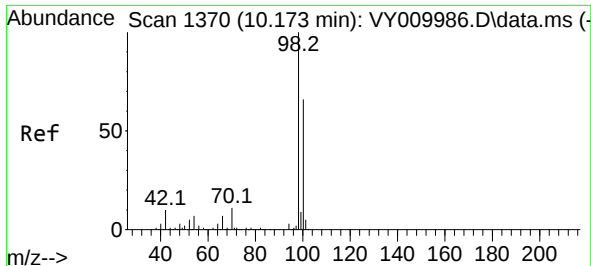
Delta R.T. -0.110 min

Lab File: VY009995.D

Acq: 12 Aug 2022 18:48

Tgt Ion:	117	Resp:	11455
Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.9	113.9#
121	0.0	24.9	37.3#

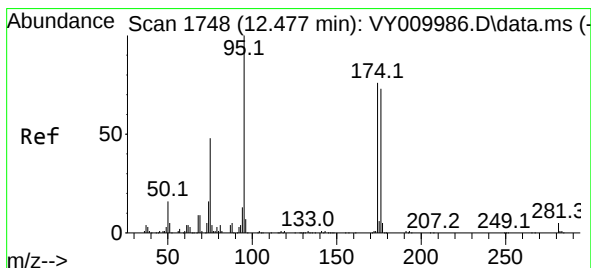
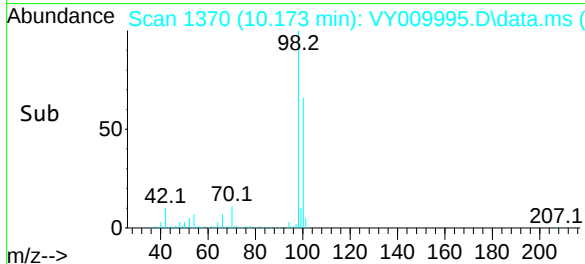
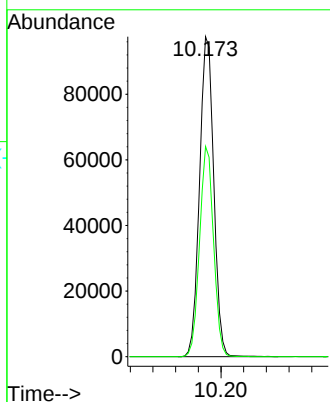
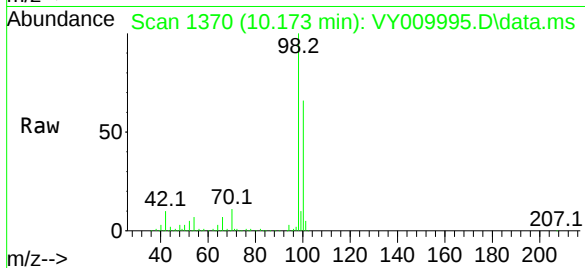




#50
Toluene-d8
Concen: 31.915 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

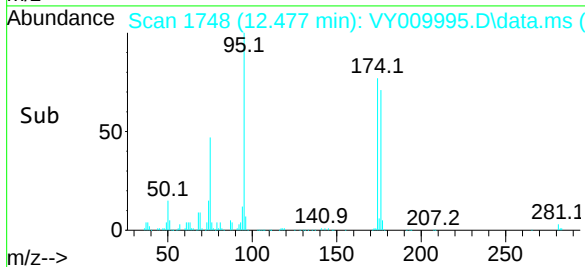
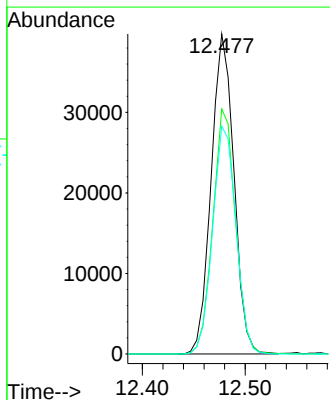
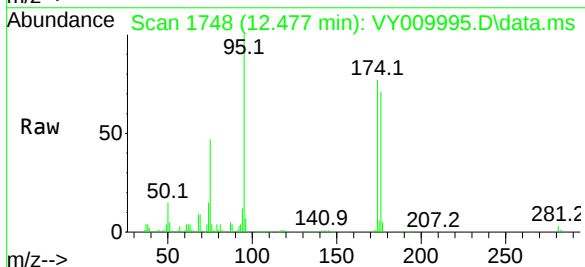
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

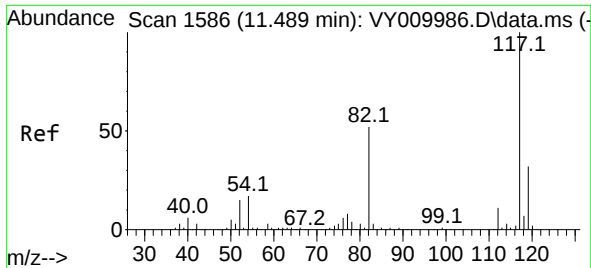
Tgt Ion: 98 Resp: 169717
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 31.277 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

Tgt Ion: 95 Resp: 60938
Ion Ratio Lower Upper
95 100
174 76.2 0.0 173.8
176 73.2 0.0 167.0

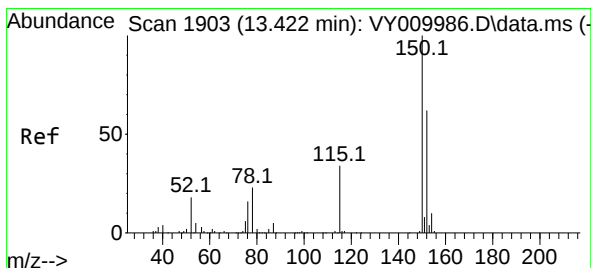
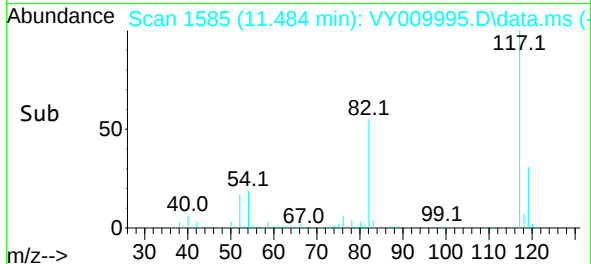
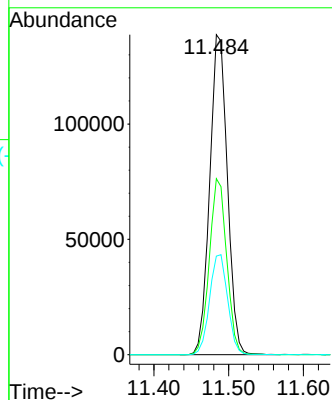
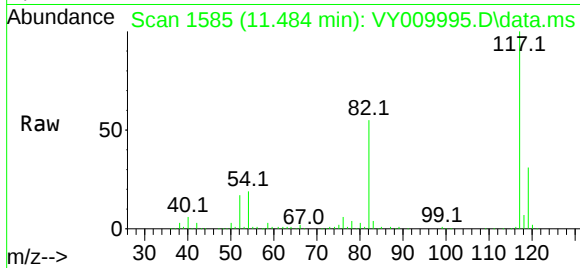




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

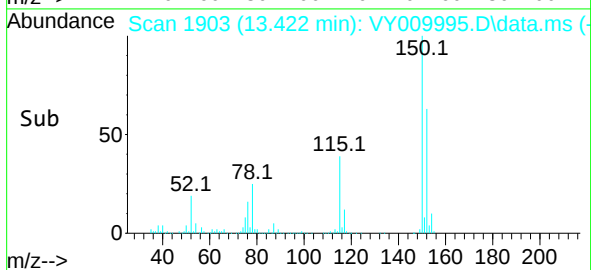
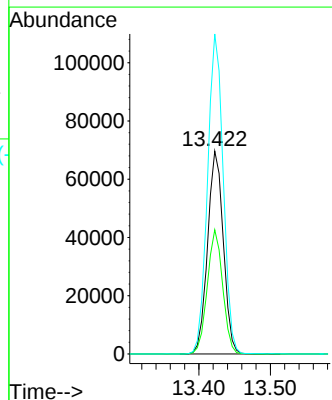
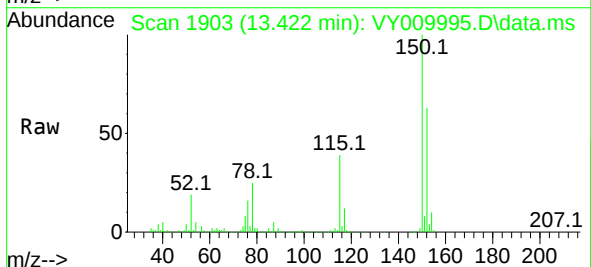
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

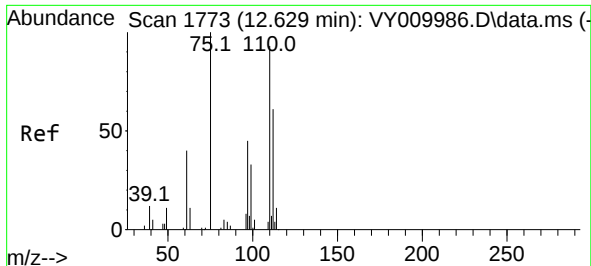
Tgt Ion:117 Resp: 227513
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.6
119 30.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

Tgt Ion:152 Resp: 106324
Ion Ratio Lower Upper
152 100
115 60.0 28.6 85.9
150 157.5 0.0 349.8

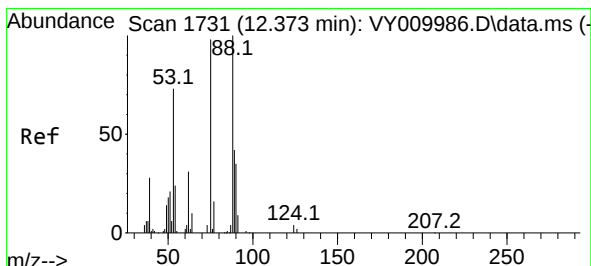
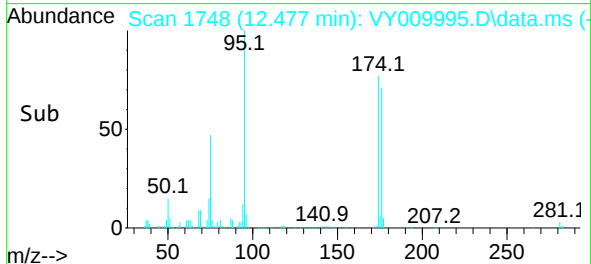
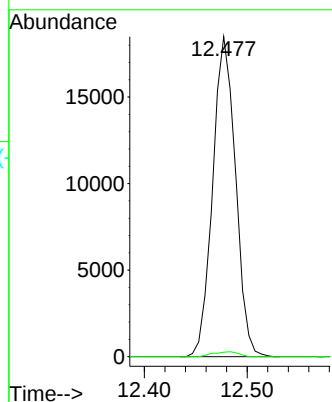
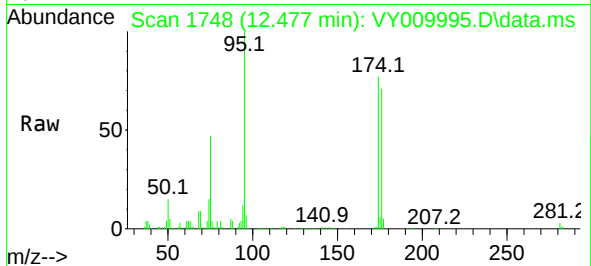




#76
1,2,3-Trichloropropane
Concen: 23.168 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

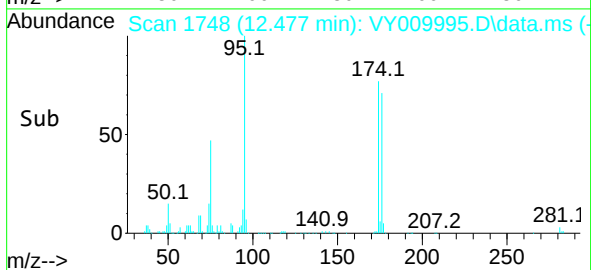
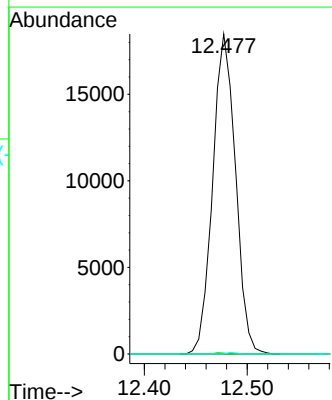
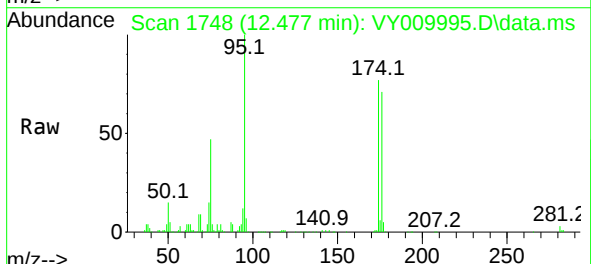
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051

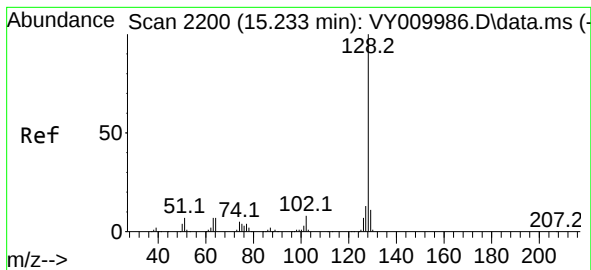
Tgt Ion: 75 Resp: 28466
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.363 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

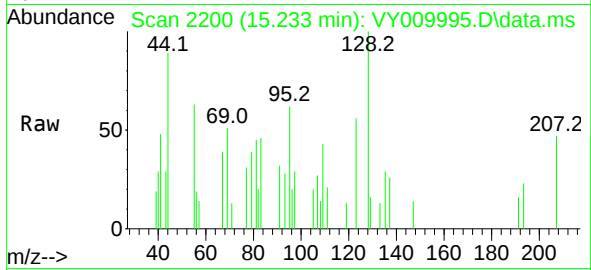
Tgt Ion: 75 Resp: 28466
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.2 38.1 57.1#





#95
Naphthalene
Concen: 3.249 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY009995.D
Acq: 12 Aug 2022 18:48

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-24051



Tgt Ion:128 Resp: 800
Ion Ratio Lower Upper
128 100
127 2.5 10.6 15.8#
129 12.5 8.8 13.2

