

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072822\
 Data File : VY009760.D
 Acq On : 28 Jul 2022 18:46
 Operator : KP/MD
 Sample : N3895-10
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-48

Quant Time: Jul 29 02:58:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	140527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	251791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	248323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116371	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	54178	58.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.680%
35) Dibromofluoromethane	7.710	113	53909	39.366	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.740%
50) Toluene-d8	10.173	98	203806	51.204	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	102.400%
62) 4-Bromofluorobenzene	12.477	95	59487	32.760	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	65.520%

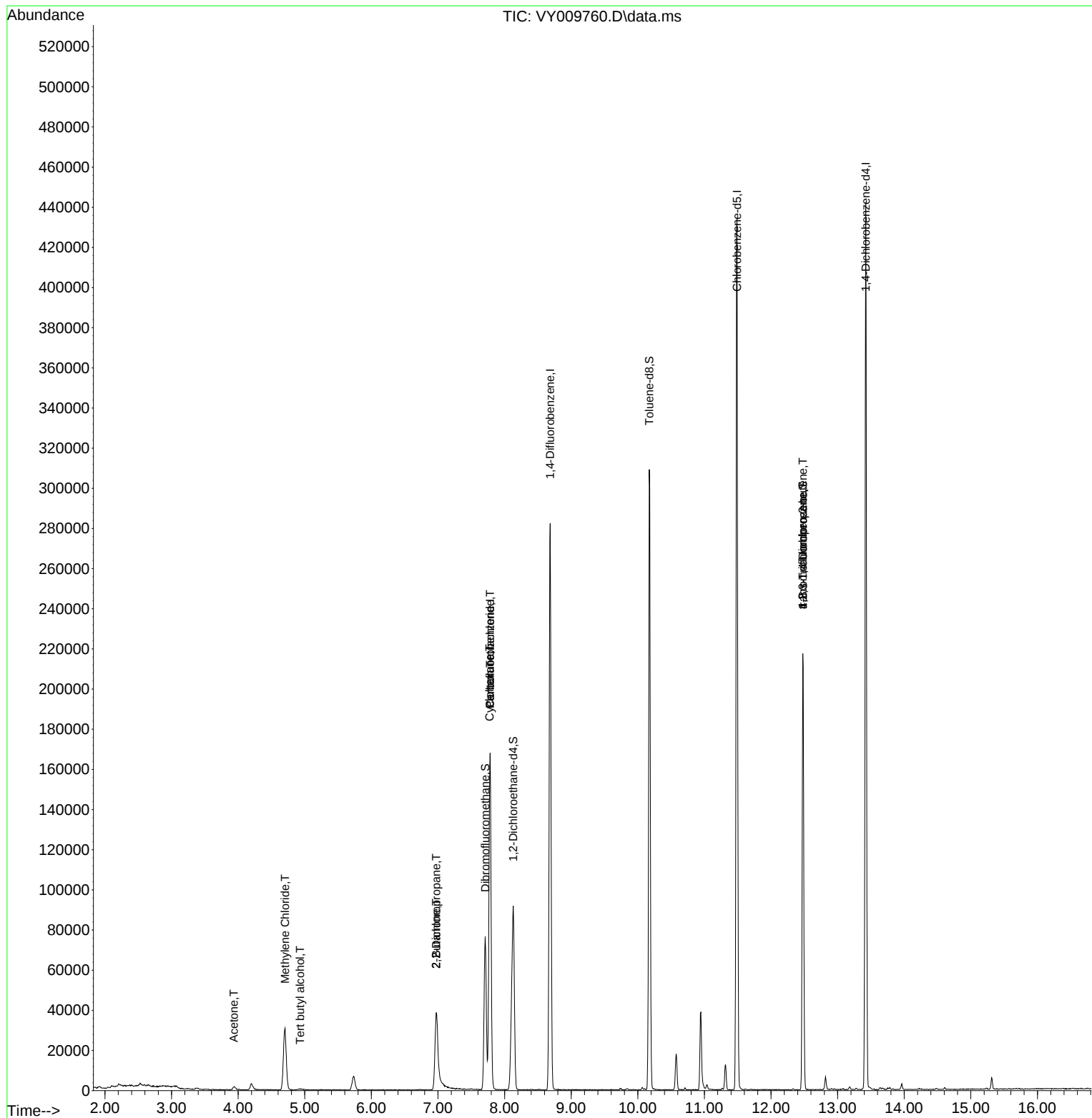
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.930	59	611	3.617	ug/l	# 77
16) Acetone	3.936	43	2908	8.655	ug/l	99
18) Methyl Acetate	4.472	43	112	Below Cal	#	56
20) Methylene Chloride	4.704	84	23430	6.006	ug/l	# 84
25) 2-Butanone	6.972	43	2359	4.759	ug/l	# 88
26) 2,2-Dichloropropane	6.972	77	3230	1.459	ug/l	# 55
31) Cyclohexane	7.777	56	2565	1.147	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	12618	5.285	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	30658	28.363	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	30658	56.536	ug/l	# 7

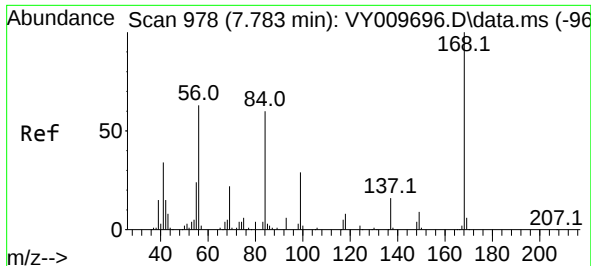
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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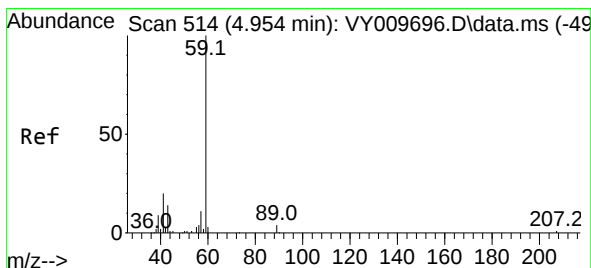
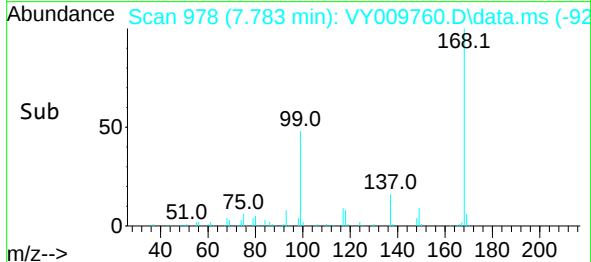
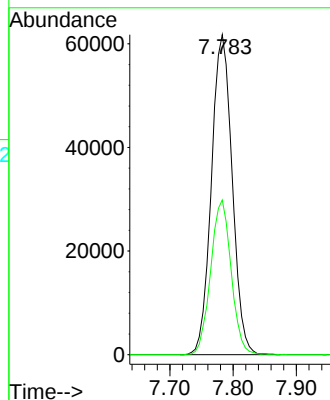
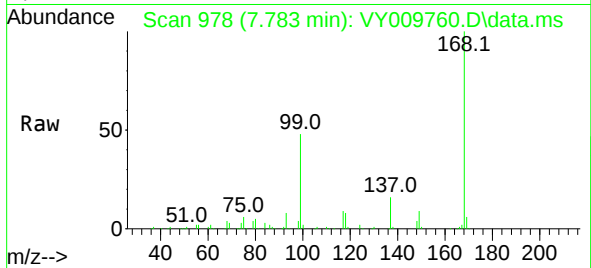




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

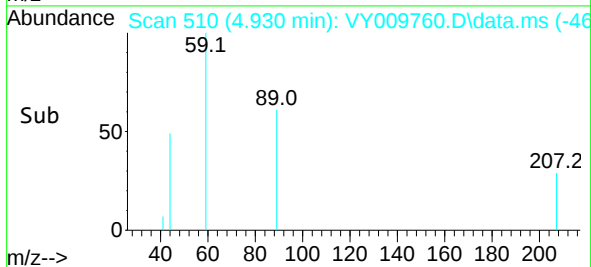
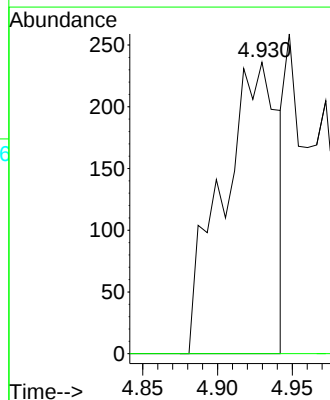
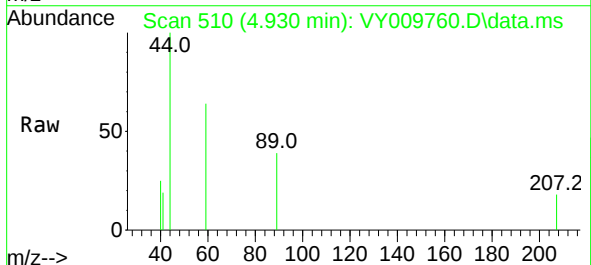
Instrument :
MSVOA_Y
ClientSampleId :
RVE-48

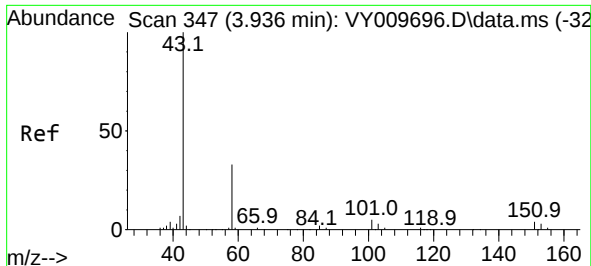
Tgt Ion:168 Resp: 140527
Ion Ratio Lower Upper
168 100
99 48.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 3.617 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

Tgt Ion: 59 Resp: 611
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

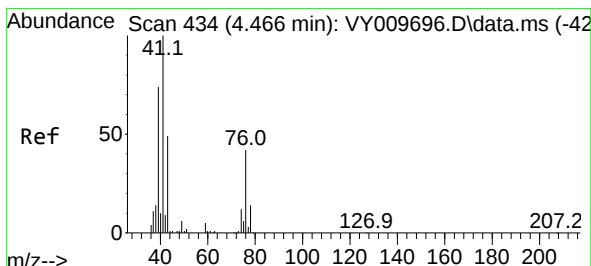
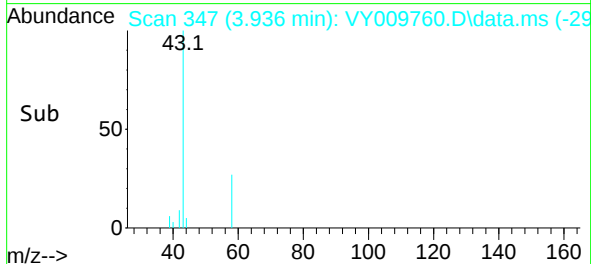
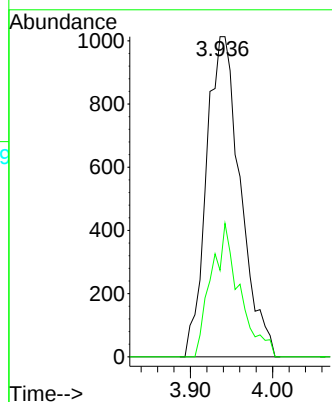
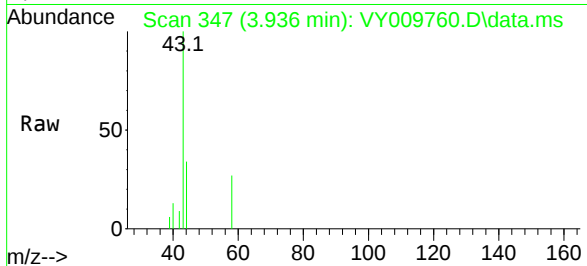




#16
Acetone
Concen: 8.655 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

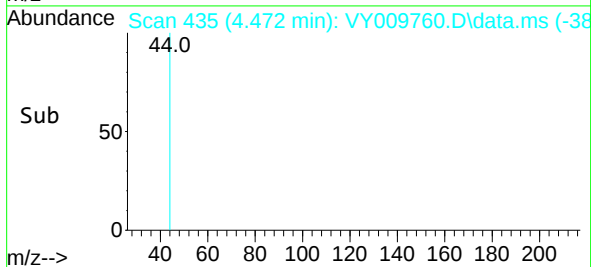
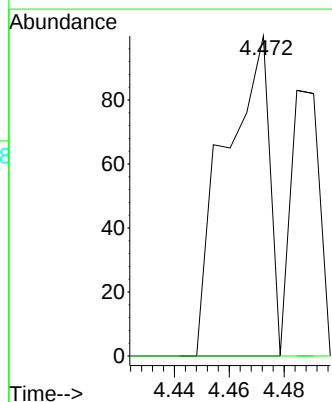
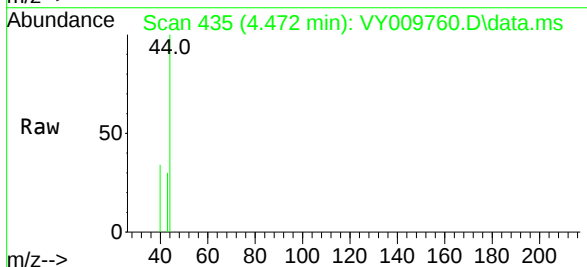
Instrument :
MSVOA_Y
ClientSampleId :
RVE-48

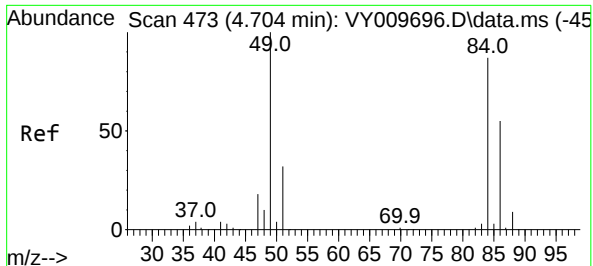
Tgt Ion: 43 Resp: 2908
Ion Ratio Lower Upper
43 100
58 27.0 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. 0.006 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: 6.006 ug/l

RT: 4.704 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY009760.D

Acq: 28 Jul 2022 18:46

Instrument :

MSVOA_Y

ClientSampleId :

RVE-48

Tgt Ion: 84 Resp: 23430

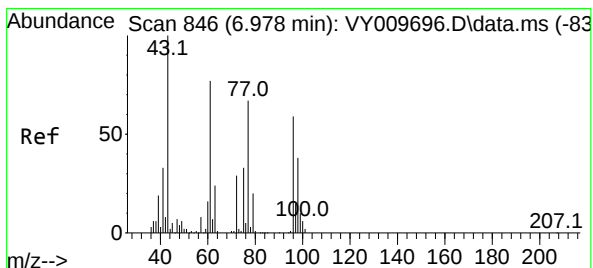
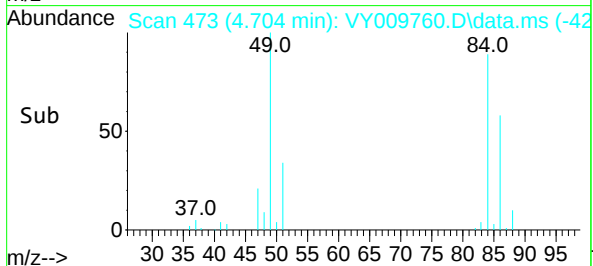
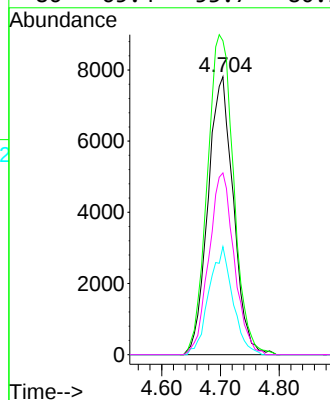
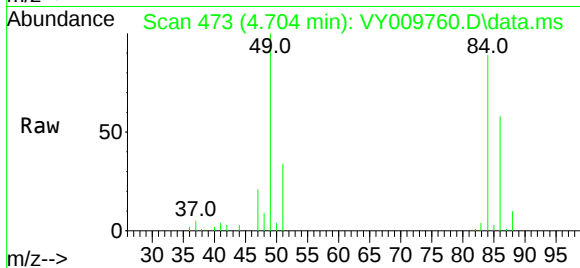
Ion Ratio Lower Upper

84 100

49 112.9 114.4 171.6#

51 38.8 35.3 52.9

86 65.4 53.7 80.5



#25

2-Butanone

Concen: 4.759 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY009760.D

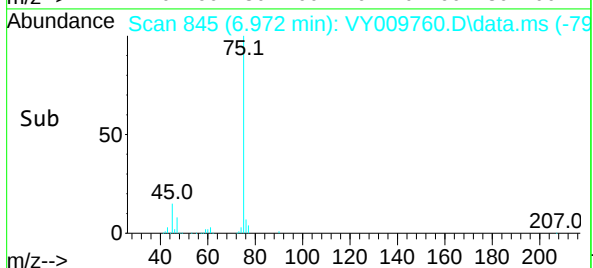
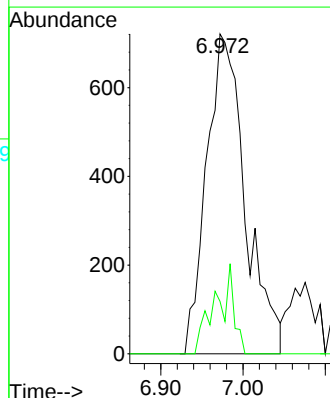
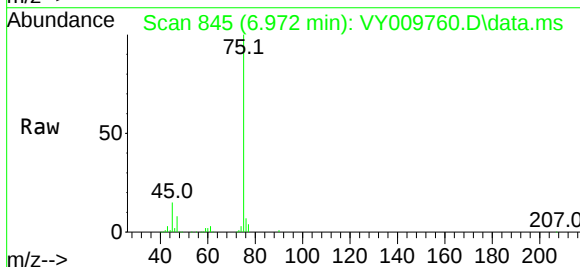
Acq: 28 Jul 2022 18:46

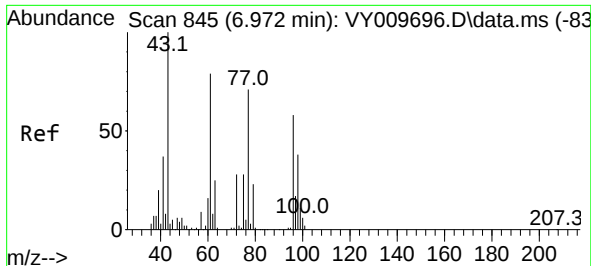
Tgt Ion: 43 Resp: 2359

Ion Ratio Lower Upper

43 100

72 16.4 17.7 26.5#

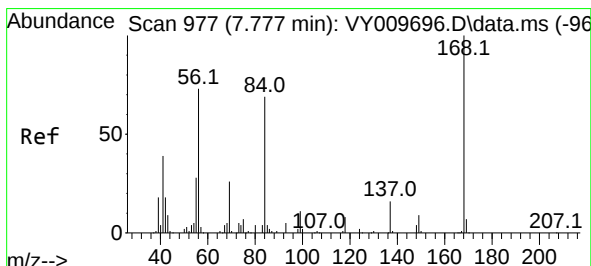
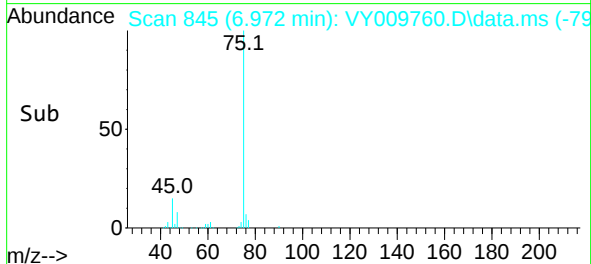
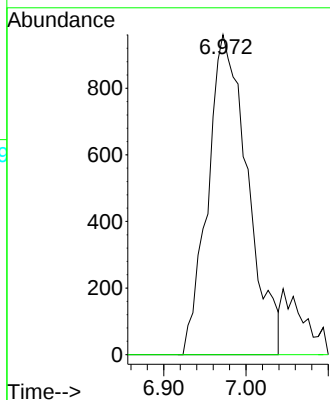
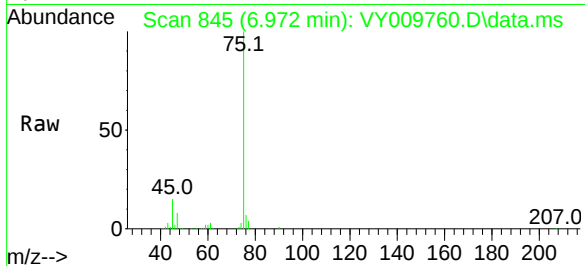




#26
2,2-Dichloropropane
Concen: 1.459 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

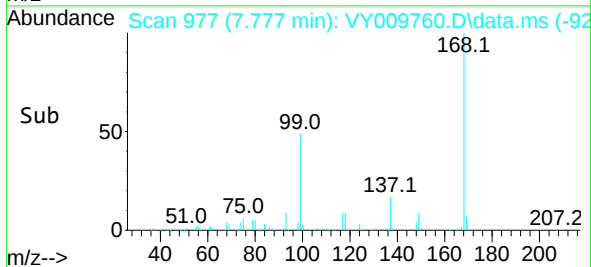
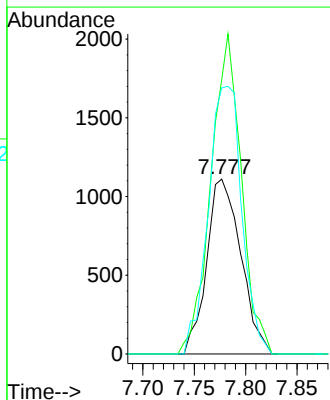
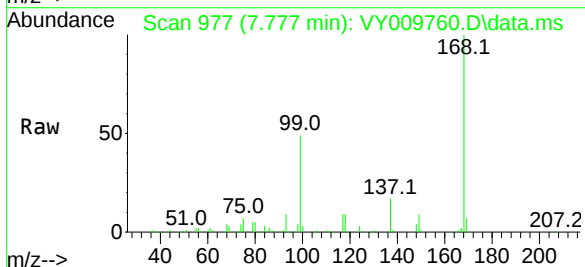
Instrument :
MSVOA_Y
ClientSampleId :
RVE-48

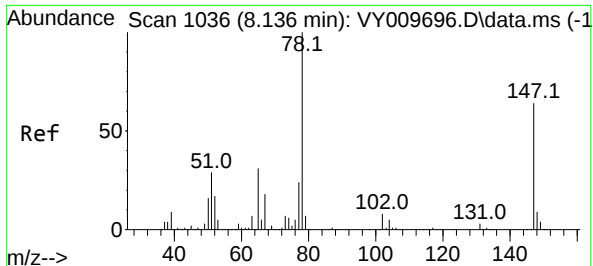
Tgt Ion: 77 Resp: 3230
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

Tgt Ion: 56 Resp: 2565
Ion Ratio Lower Upper
56 100
69 156.7 26.7 40.1#
84 152.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 58.835 ug/l

RT: 8.130 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY009760.D

Acq: 28 Jul 2022 18:46

Instrument :

MSVOA_Y

ClientSampleId :

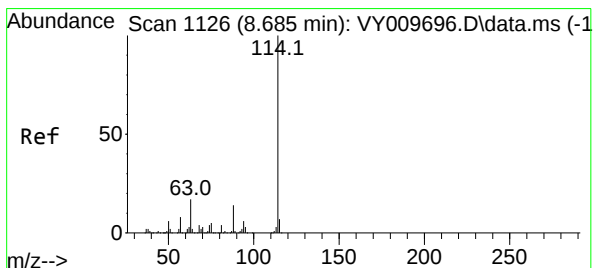
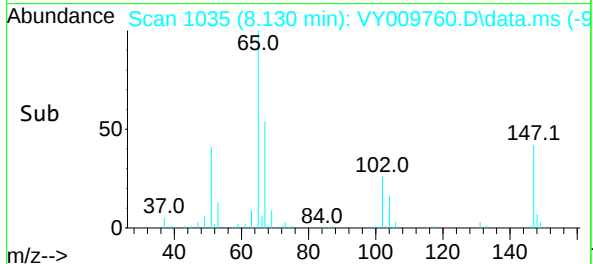
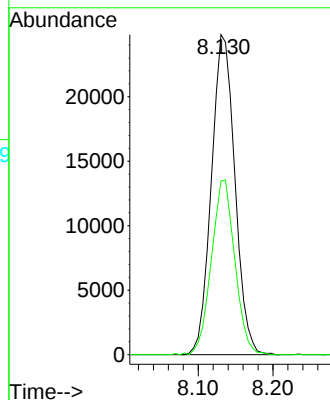
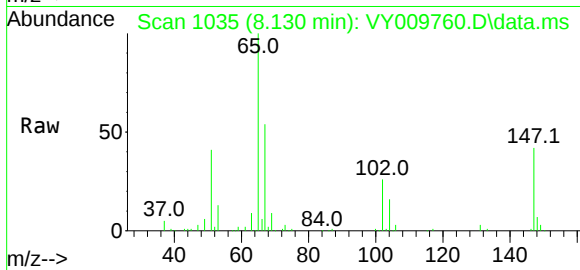
RVE-48

Tgt Ion: 65 Resp: 54178

Ion Ratio Lower Upper

65 100

67 54.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009760.D

Acq: 28 Jul 2022 18:46

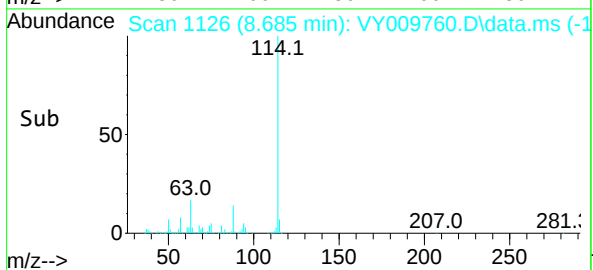
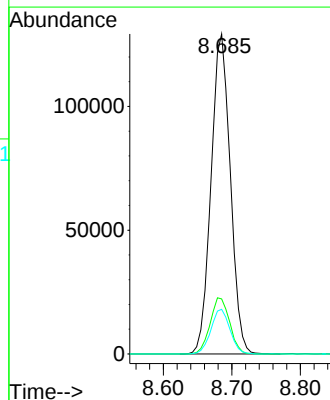
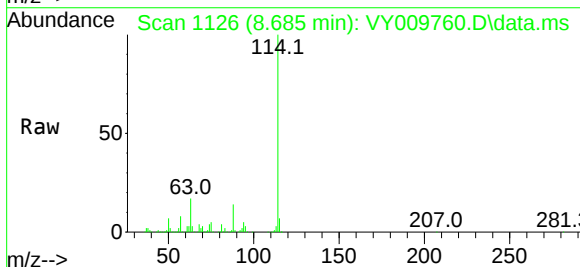
Tgt Ion: 114 Resp: 251791

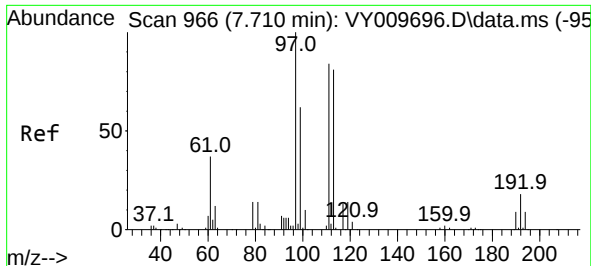
Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.0 0.0 31.8

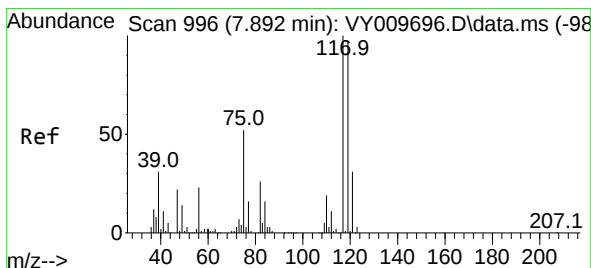
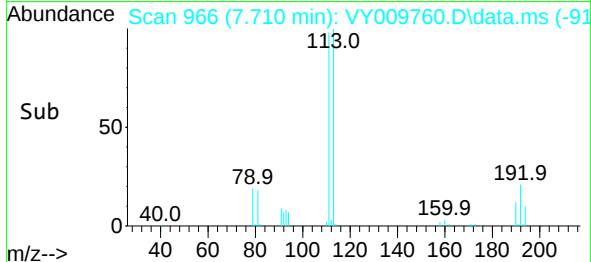
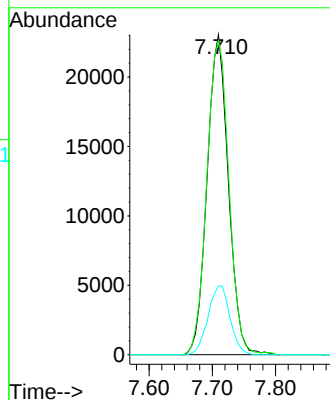
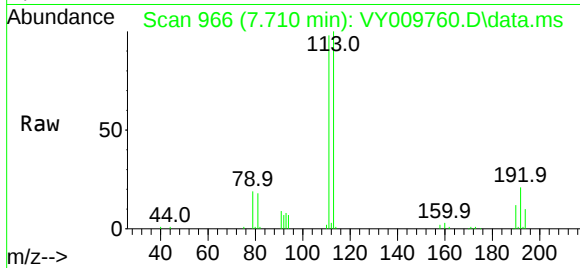




#35
Dibromofluoromethane
Concen: 39.366 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

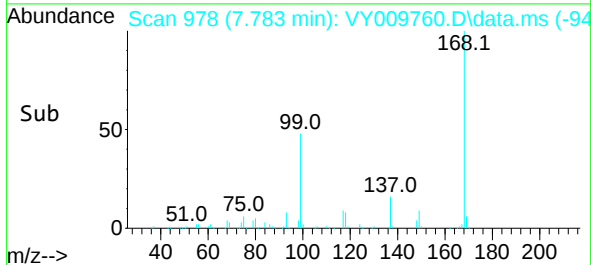
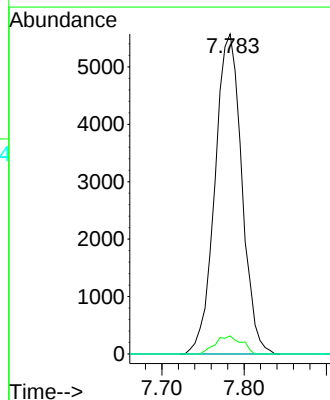
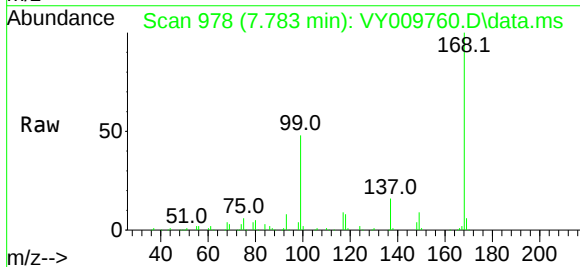
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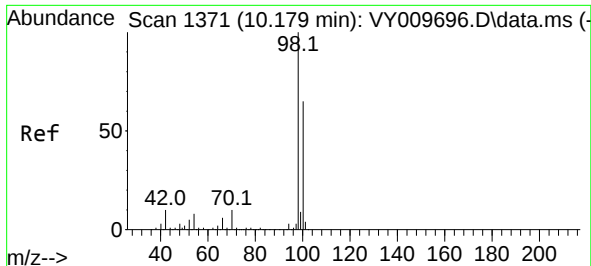
Tgt Ion:113 Resp: 53909
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 22.2 17.6 26.4



#38
Carbon Tetrachloride
Concen: 5.285 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

Tgt Ion:117 Resp: 12618
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#

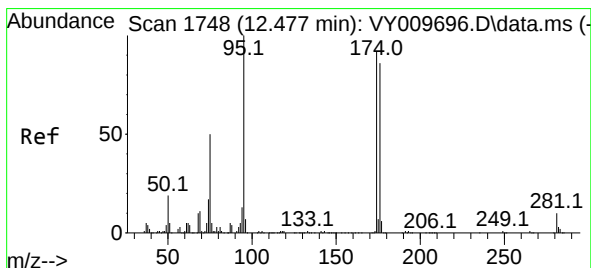
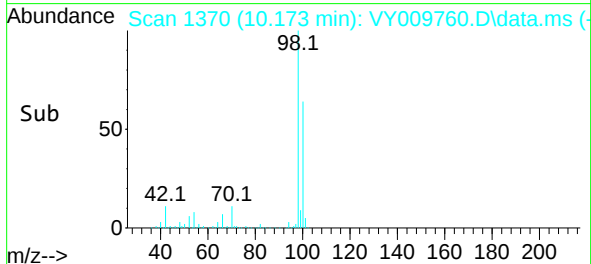
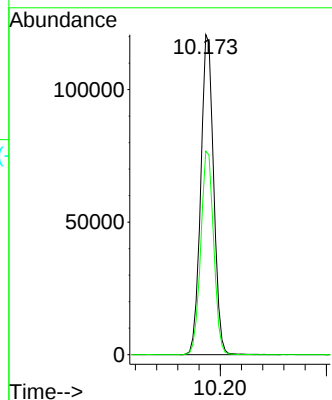
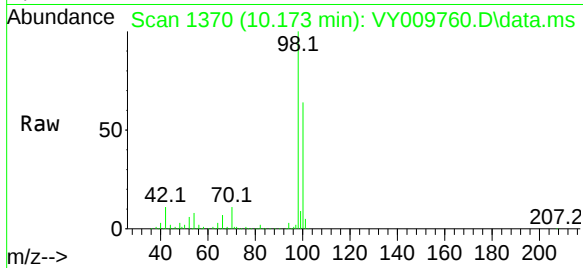




#50
Toluene-d8
Concen: 51.204 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

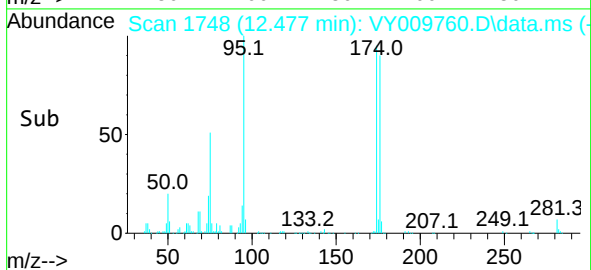
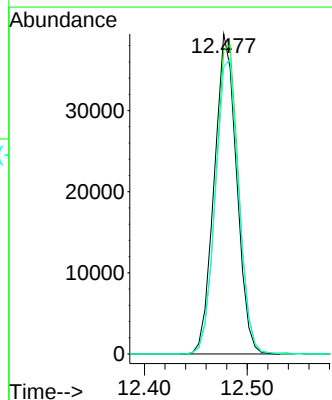
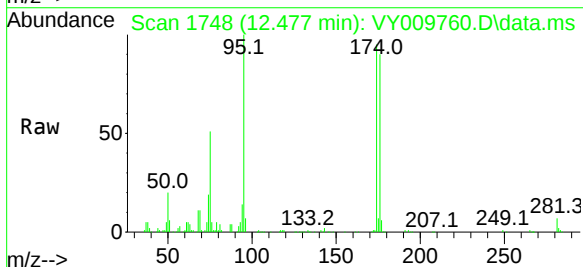
Instrument :
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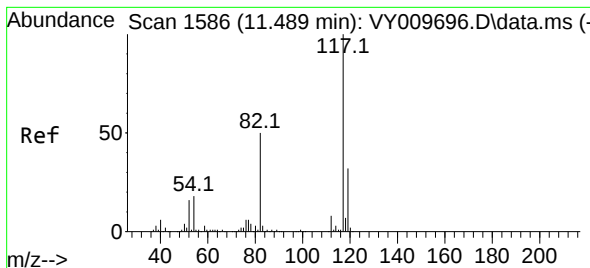
Tgt Ion: 98 Resp: 203806
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 32.760 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

Tgt Ion: 95 Resp: 59487
Ion Ratio Lower Upper
95 100
174 100.0 0.0 177.0
176 95.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009760.D

Acq: 28 Jul 2022 18:46

Instrument :

MSVOA_Y

ClientSampleId :

RVE-48

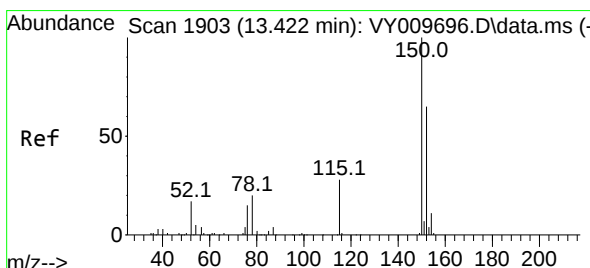
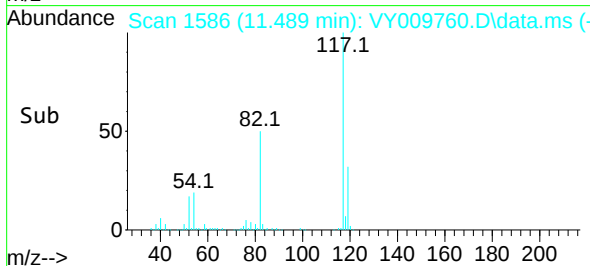
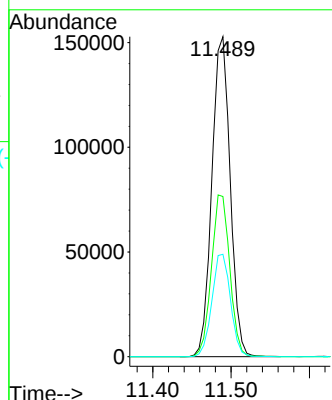
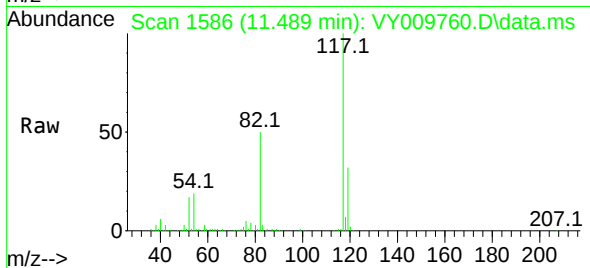
Tgt Ion:117 Resp: 248323

Ion Ratio Lower Upper

117 100

82 50.1 43.0 64.4

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009760.D

Acq: 28 Jul 2022 18:46

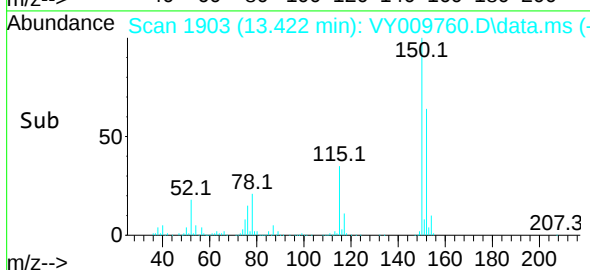
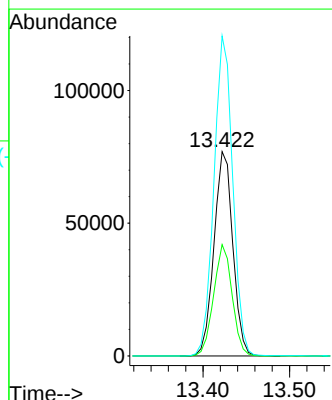
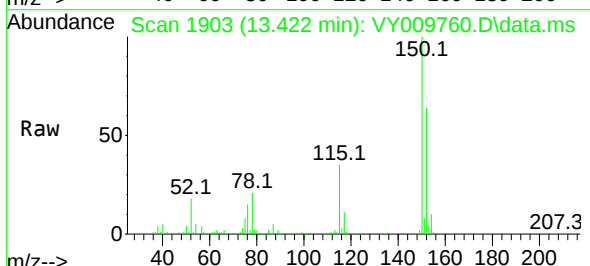
Tgt Ion:152 Resp: 116371

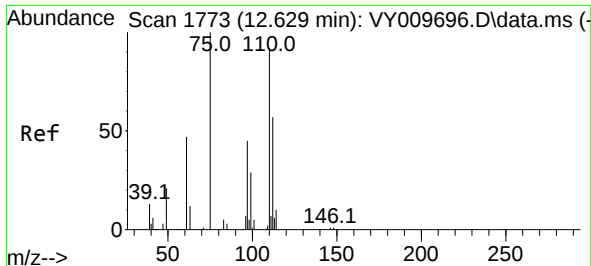
Ion Ratio Lower Upper

152 100

115 53.4 28.2 84.7

150 156.3 0.0 347.6

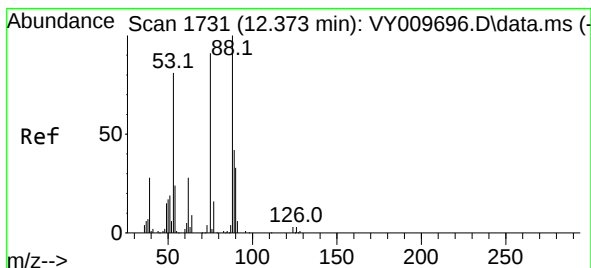
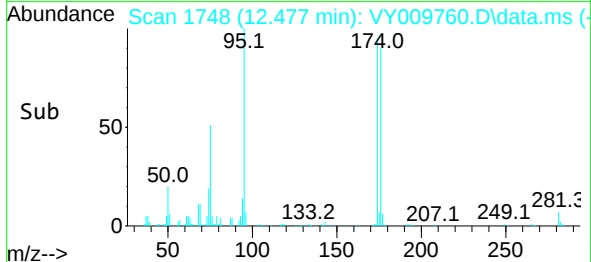
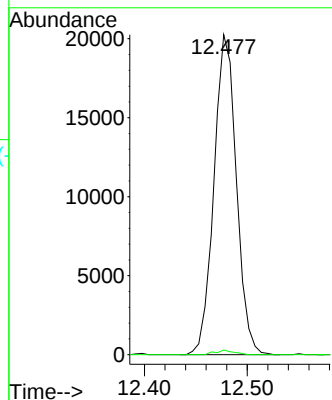
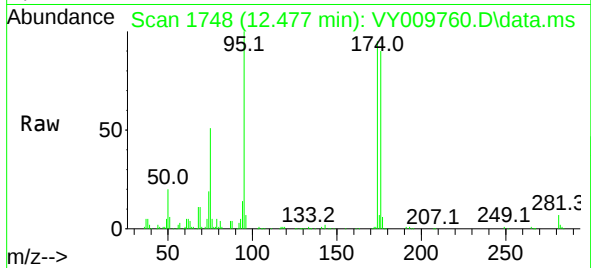




#76
1,2,3-Trichloropropane
Concen: 28.363 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

Instrument :
MSVOA_Y
ClientSampleId :
RVE-48

Tgt Ion: 75 Resp: 30658
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.536 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009760.D
Acq: 28 Jul 2022 18:46

Tgt Ion: 75 Resp: 30658
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

