

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081722\
 Data File : VY010071.D
 Acq On : 17 Aug 2022 16:15
 Operator : KP/MD
 Sample : N3894-13
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-32

Quant Time: Aug 18 08:20:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 17 05:12:02 2022
 Response via : Initial Calibration

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

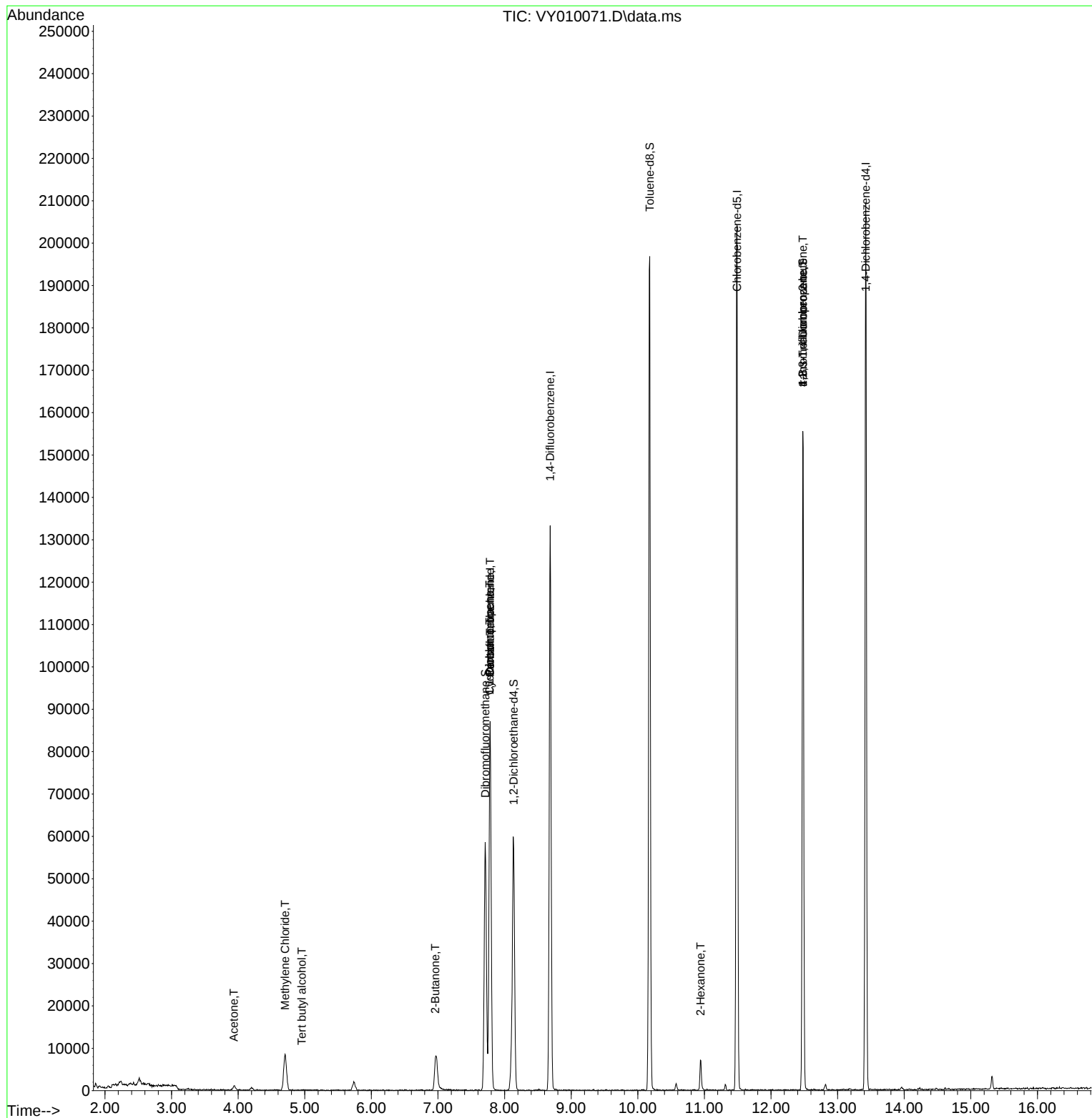
Internal Standards						
1) Pentafluorobenzene	7.783	168	69674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	116045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	116325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	42511	61.022	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.040%			
35) Dibromofluoromethane	7.710	113	39531	52.529	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.060%			
50) Toluene-d8	10.179	98	131401	47.195	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.380%			
62) 4-Bromofluorobenzene	12.477	95	46147	47.189	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.380%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	118	1.742	ug/l #	74
16) Acetone	3.936	43	1847	12.378	ug/l #	88
20) Methylene Chloride	4.704	84	6520	6.514	ug/l	89
25) 2-Butanone	6.960	43	494	2.420	ug/l #	48
31) Cyclohexane	7.777	56	1333	1.354	ug/l #	26
36) 1,1-Dichloropropene	7.777	75	4724	4.506	ug/l #	50
38) Carbon Tetrachloride	7.783	117	6829	5.297	ug/l #	16
59) 2-Hexanone	10.941	43	30	24.221	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	23775	45.019	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	23775	101.738	ug/l #	12

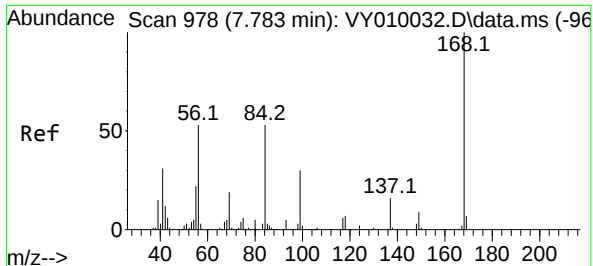
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

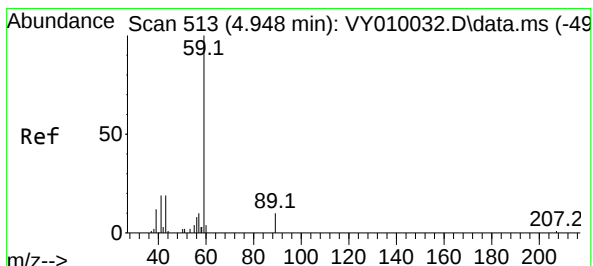
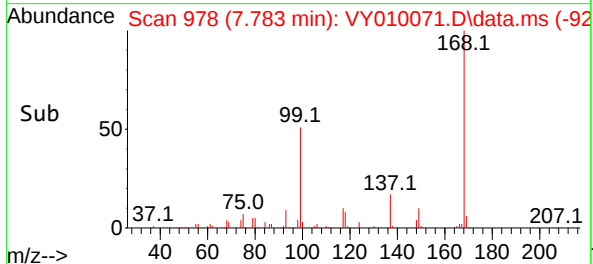
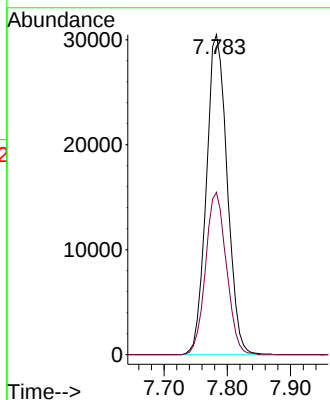
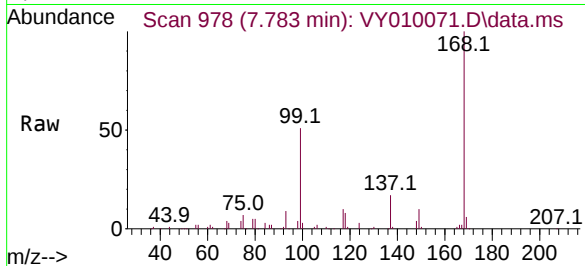




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010071.D
Acq: 17 Aug 2022 16:15

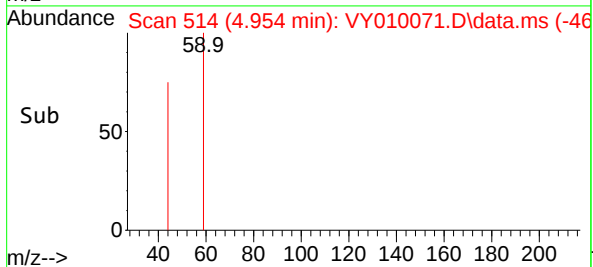
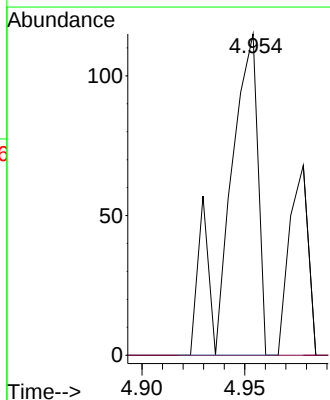
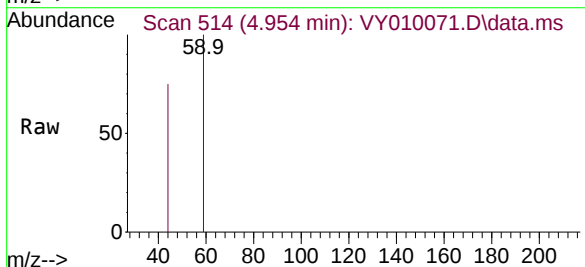
Instrument :
MSVOA_Y
ClientSampleId :
RVE-32

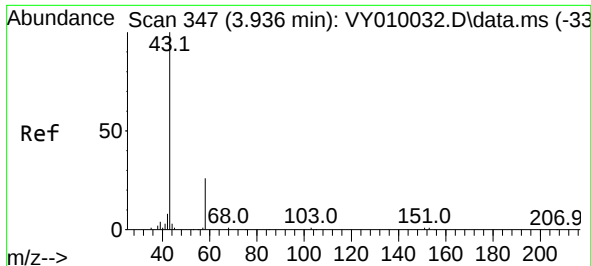
Tgt Ion:168 Resp: 69674
Ion Ratio Lower Upper
168 100
99 50.8 37.7 56.5



#11
Tert butyl alcohol
Concen: 1.742 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY010071.D
Acq: 17 Aug 2022 16:15

Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 12.378 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY010071.D

Acq: 17 Aug 2022 16:15

Instrument :

MSVOA_Y

ClientSampleId :

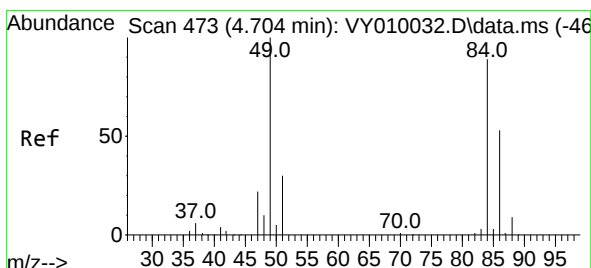
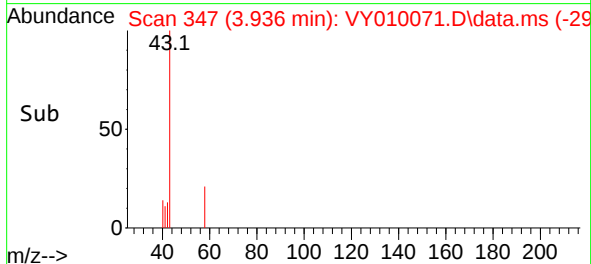
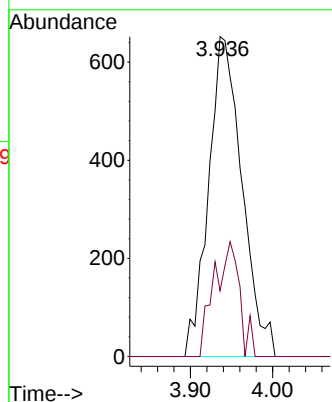
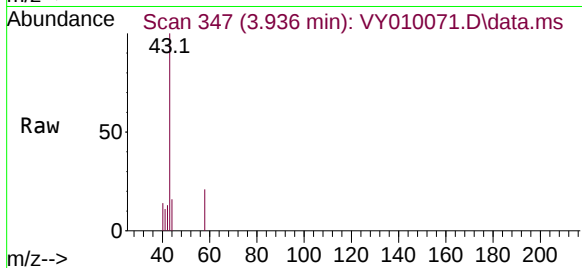
RVE-32

Tgt Ion: 43 Resp: 1847

Ion Ratio Lower Upper

43 100

58 20.6 21.4 32.0#



#20

Methylene Chloride

Concen: 6.514 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY010071.D

Acq: 17 Aug 2022 16:15

Tgt Ion: 84 Resp: 6520

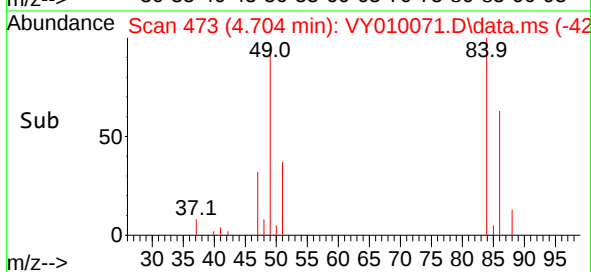
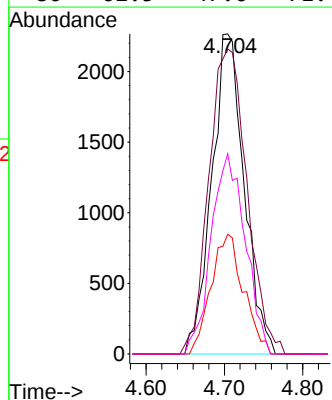
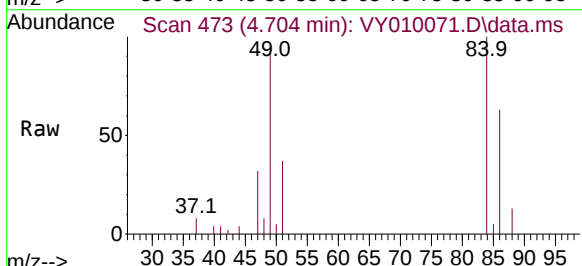
Ion Ratio Lower Upper

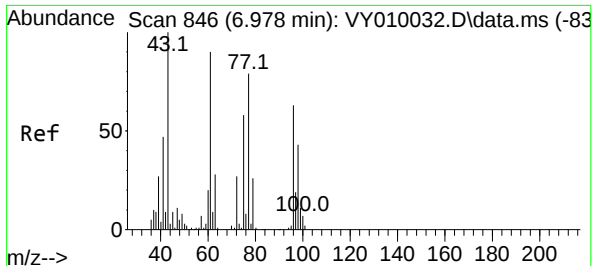
84 100

49 95.3 89.5 134.3

51 37.4 26.8 40.2

86 62.5 47.6 71.4





#25

2-Butanone

Concen: 2.420 ug/l

RT: 6.960 min Scan# 846

Delta R.T. -0.018 min

Lab File: VY010071.D

Acq: 17 Aug 2022 16:15

Instrument :

MSVOA_Y

ClientSampleId :

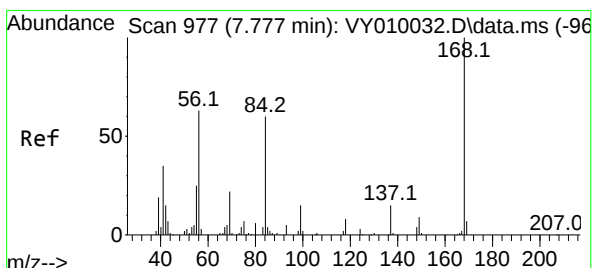
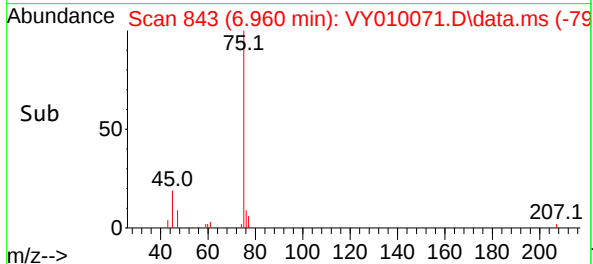
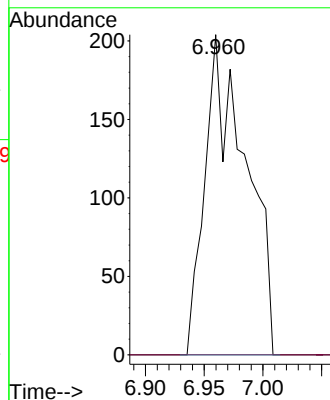
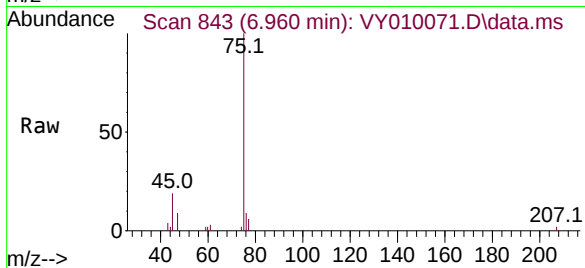
RVE-32

Tgt Ion: 43 Resp: 494

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 1.354 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY010071.D

Acq: 17 Aug 2022 16:15

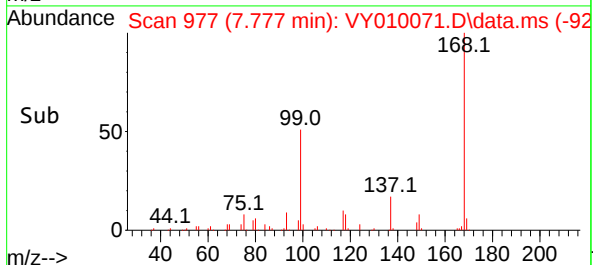
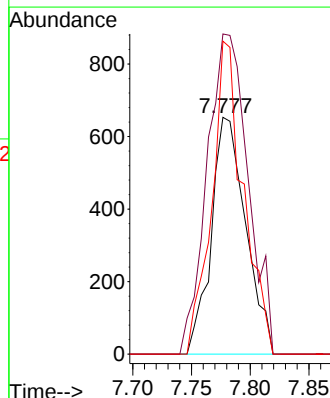
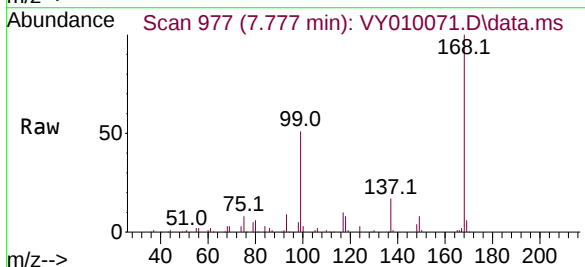
Tgt Ion: 56 Resp: 1333

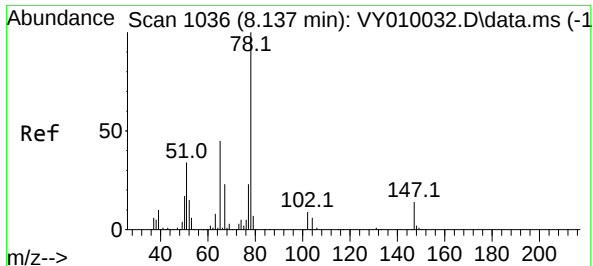
Ion Ratio Lower Upper

56 100

69 135.2 28.6 43.0#

84 132.2 76.0 114.0#





#33

1,2-Dichloroethane-d4

Concen: 61.022 ug/l

RT: 8.136 min Scan# 11036

Delta R.T. -0.001 min

Lab File: VY010071.D

Acq: 17 Aug 2022 16:15

Instrument :

MSVOA_Y

ClientSampleId :

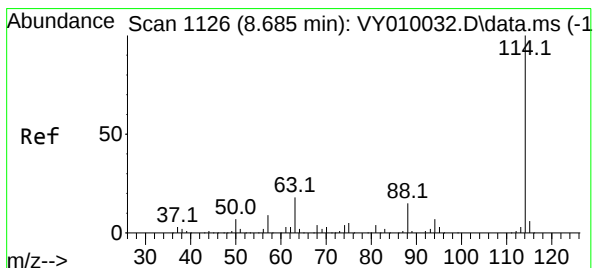
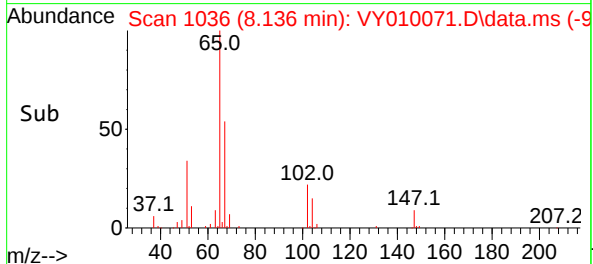
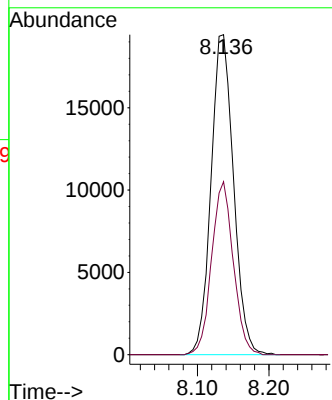
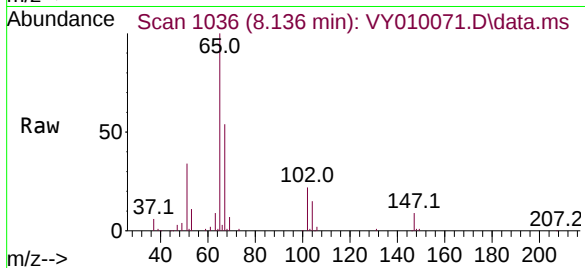
RVE-32

Tgt Ion: 65 Resp: 42511

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010071.D

Acq: 17 Aug 2022 16:15

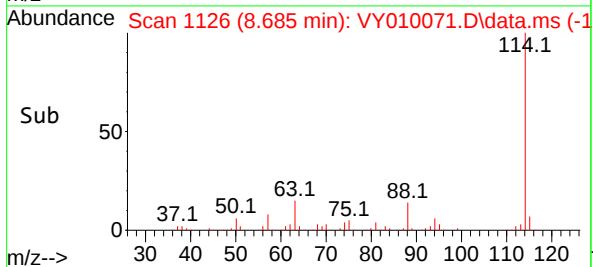
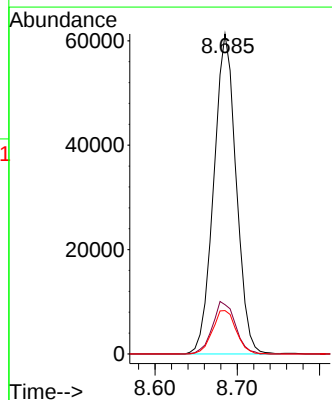
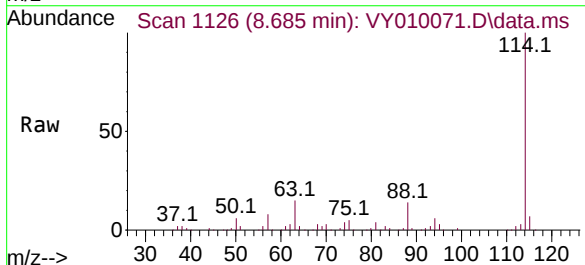
Tgt Ion:114 Resp: 116045

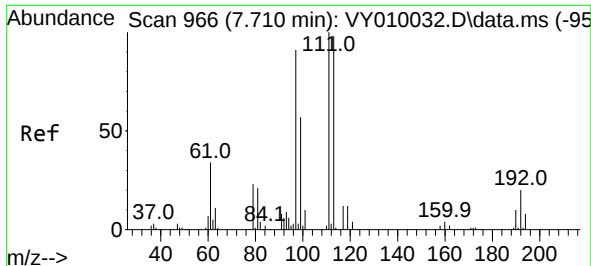
Ion Ratio Lower Upper

114 100

63 15.4 0.0 35.2

88 13.5 0.0 30.2

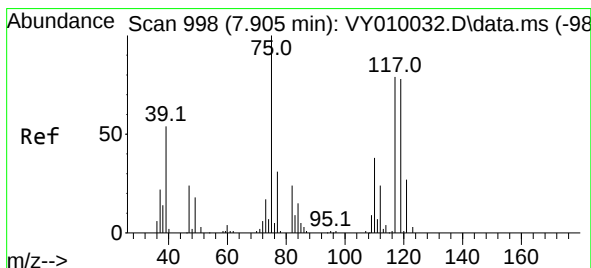
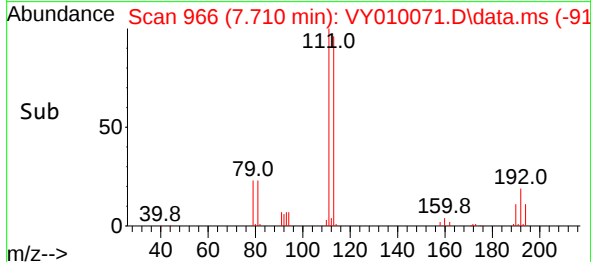
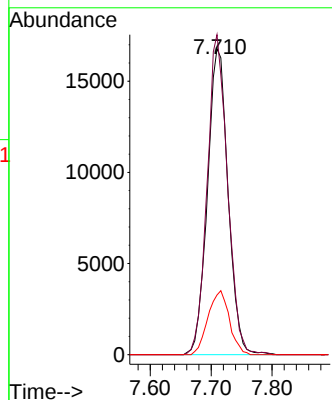
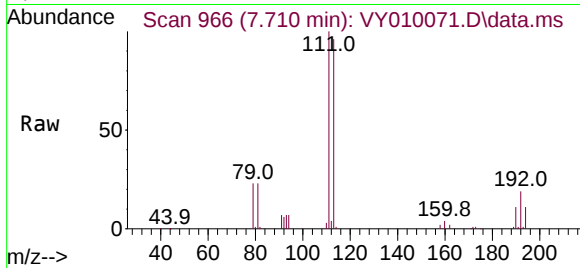




#35
Dibromofluoromethane
Concen: 52.529 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010071.D
Acq: 17 Aug 2022 16:15

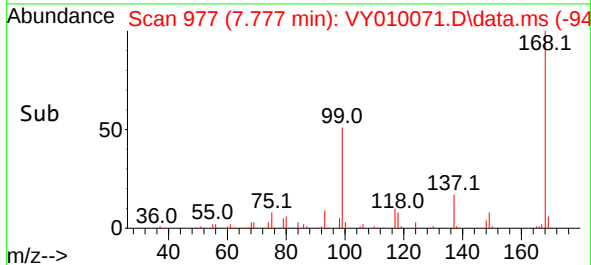
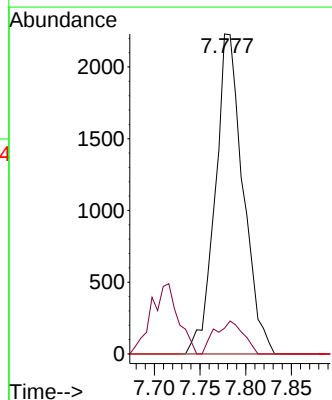
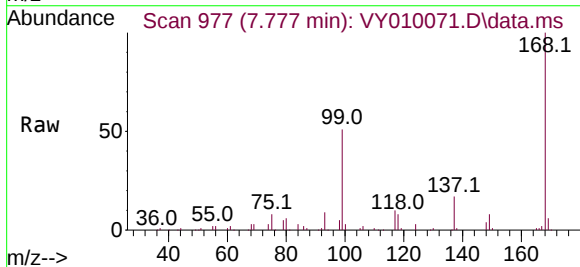
Instrument :
MSVOA_Y
ClientSampleId :
RVE-32

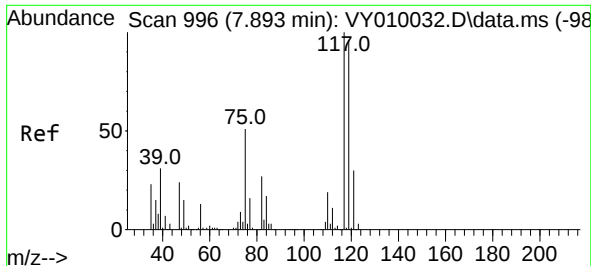
Tgt Ion:113 Resp: 39531
Ion Ratio Lower Upper
113 100
111 103.0 82.7 124.1
192 21.6 17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.506 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.128 min
Lab File: VY010071.D
Acq: 17 Aug 2022 16:15

Tgt Ion: 75 Resp: 4724
Ion Ratio Lower Upper
75 100
110 10.5 18.4 55.4#
77 0.0 24.6 36.8#

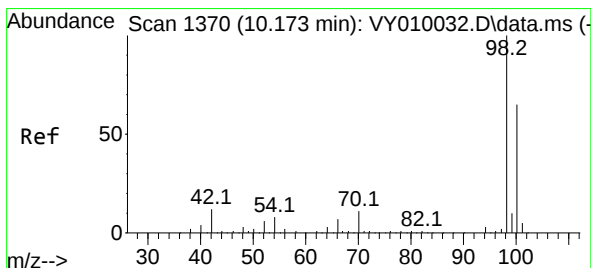
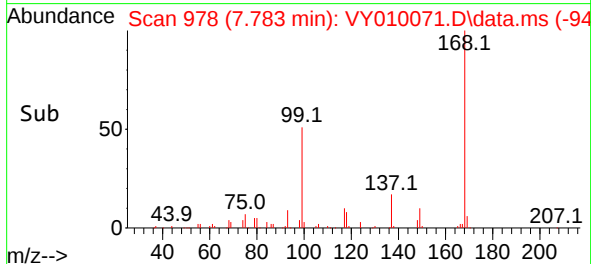
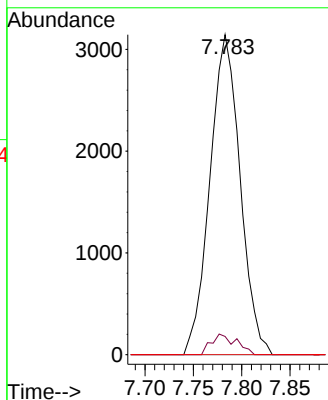
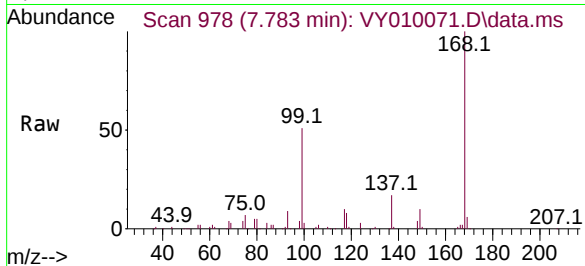




#38
Carbon Tetrachloride
Concen: 5.297 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010071.D
Acq: 17 Aug 2022 16:15

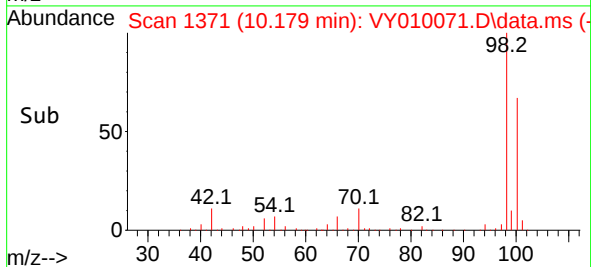
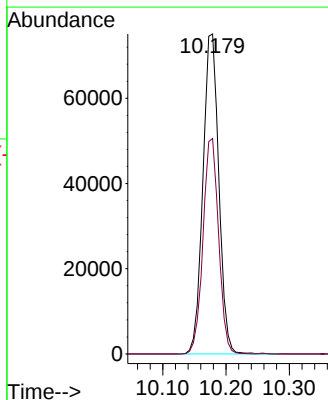
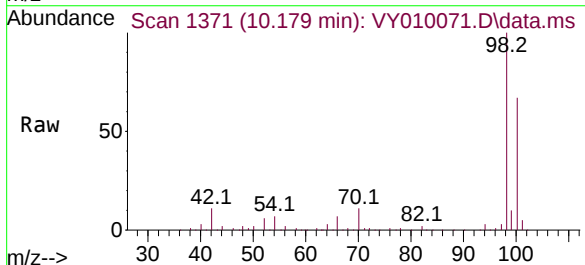
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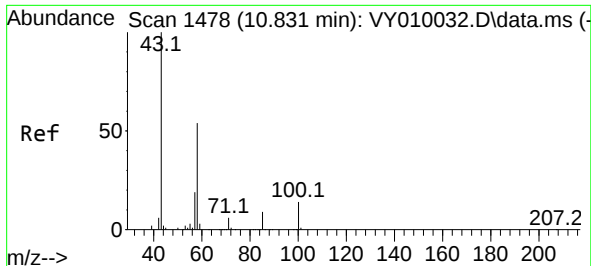
Tgt Ion:117 Resp: 6829
Ion Ratio Lower Upper
117 100
119 5.7 77.0 115.6#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 47.195 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010071.D
Acq: 17 Aug 2022 16:15

Tgt Ion: 98 Resp: 131401
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1

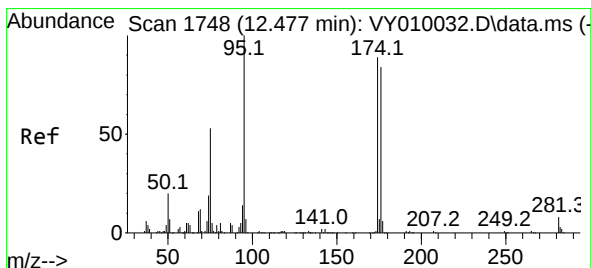
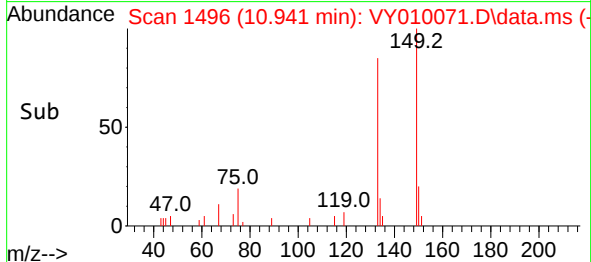
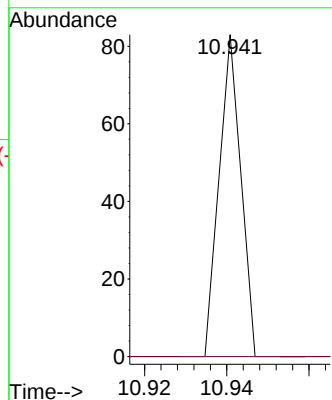
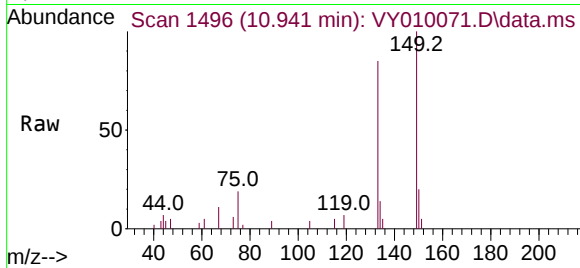




#59
2-Hexanone
Concen: 24.221 ug/l
RT: 10.941 min Scan# 1478
Delta R.T. 0.110 min
Lab File: VY010071.D
Acq: 17 Aug 2022 16:15

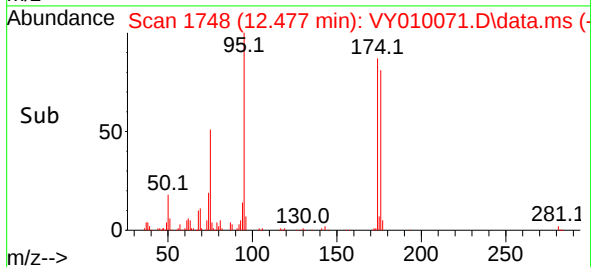
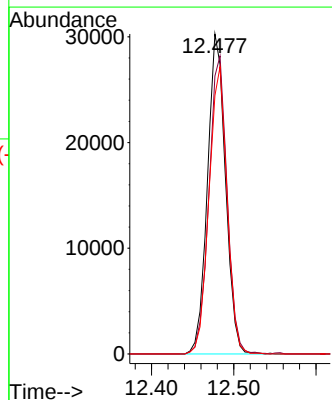
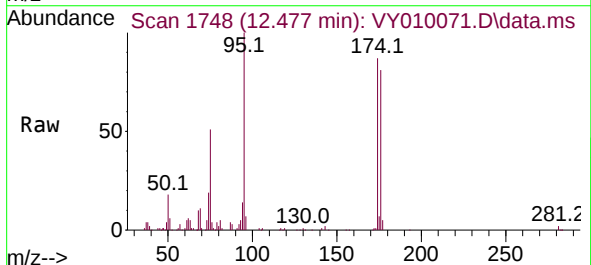
Instrument :
MSVOA_Y
ClientSampleId :
RVE-32

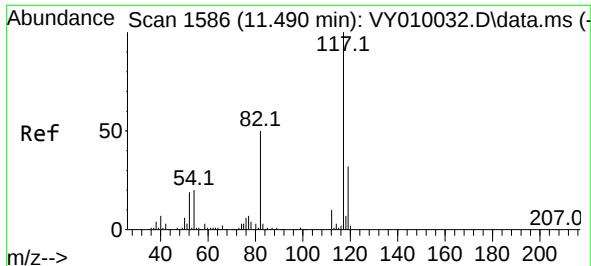
Tgt Ion: 43 Resp: 30
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 47.189 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010071.D
Acq: 17 Aug 2022 16:15

Tgt Ion: 95 Resp: 46147
Ion Ratio Lower Upper
95 100
174 93.9 0.0 184.2
176 90.0 0.0 178.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY010071.D

Acq: 17 Aug 2022 16:15

Instrument :

MSVOA_Y

ClientSampleId :

RVE-32

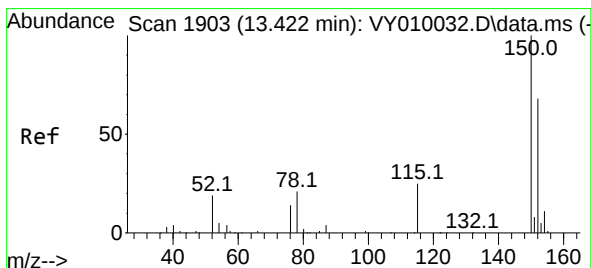
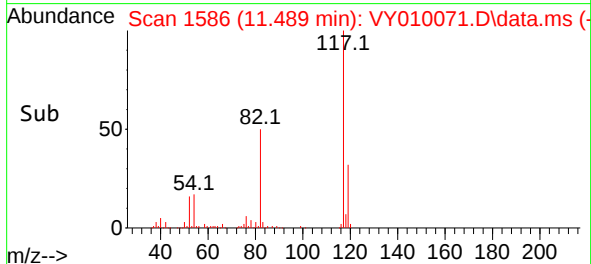
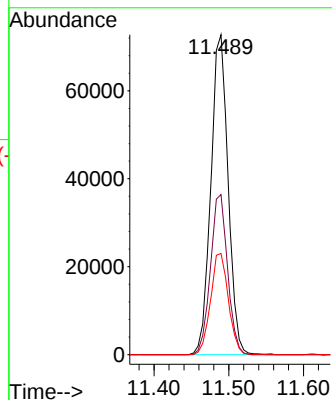
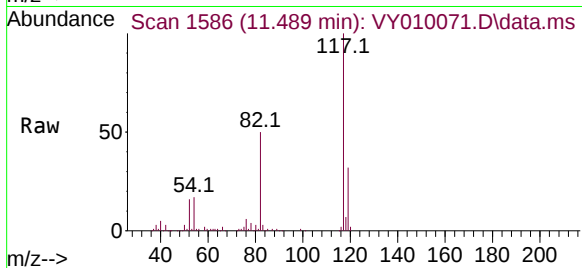
Tgt Ion:117 Resp: 116325

Ion Ratio Lower Upper

117 100

82 50.1 39.8 59.6

119 31.7 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: VY010071.D

Acq: 17 Aug 2022 16:15

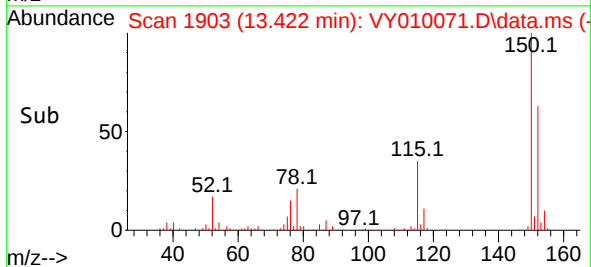
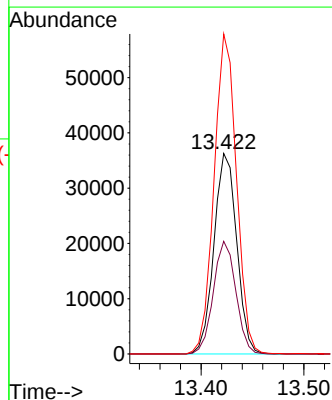
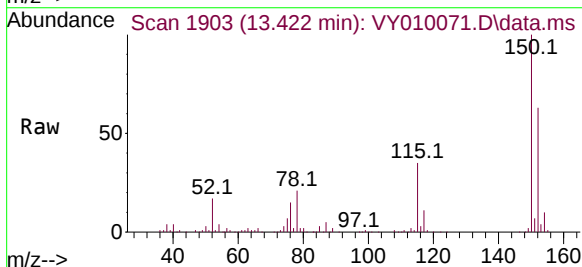
Tgt Ion:152 Resp: 55714

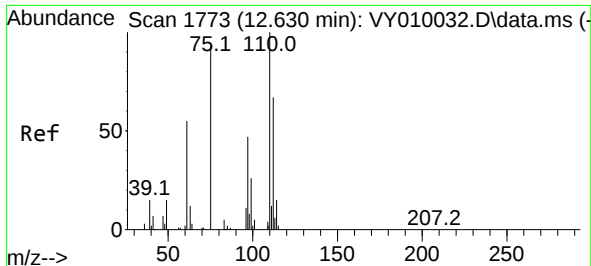
Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.3

150 157.0 0.0 346.6

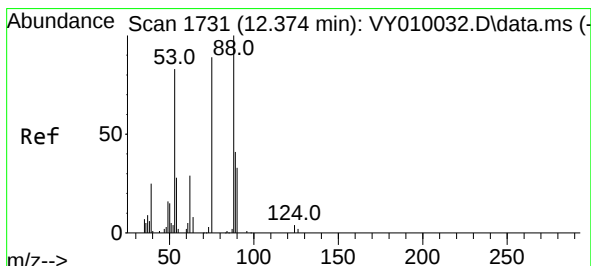
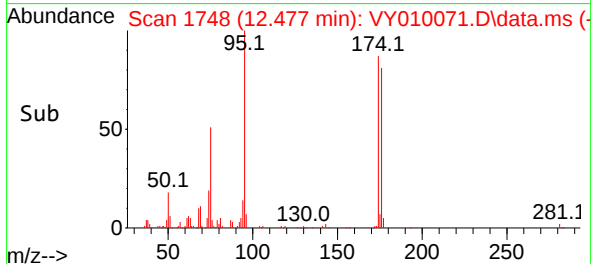
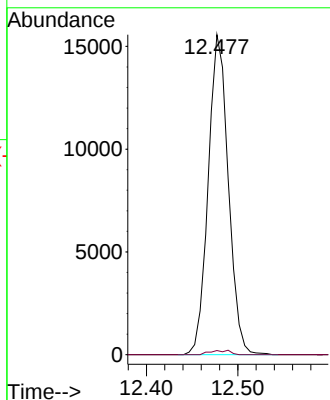
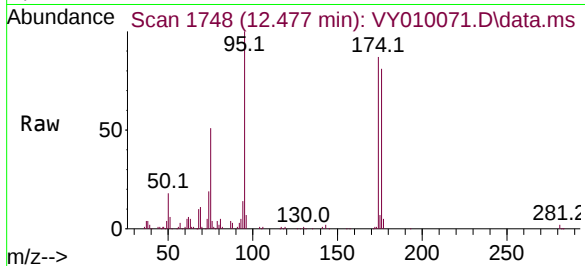




#76
1,2,3-Trichloropropane
Concen: 45.019 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010071.D
Acq: 17 Aug 2022 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RVE-32

Tgt Ion: 75 Resp: 23775
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.738 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010071.D
Acq: 17 Aug 2022 16:15

Tgt Ion: 75 Resp: 23775
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 37.8 56.6#

