

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081622\
 Data File : VY010052.D
 Acq On : 16 Aug 2022 18:44
 Operator : KP/MD
 Sample : N4208-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 W-2

Quant Time: Aug 17 05:14:20 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)

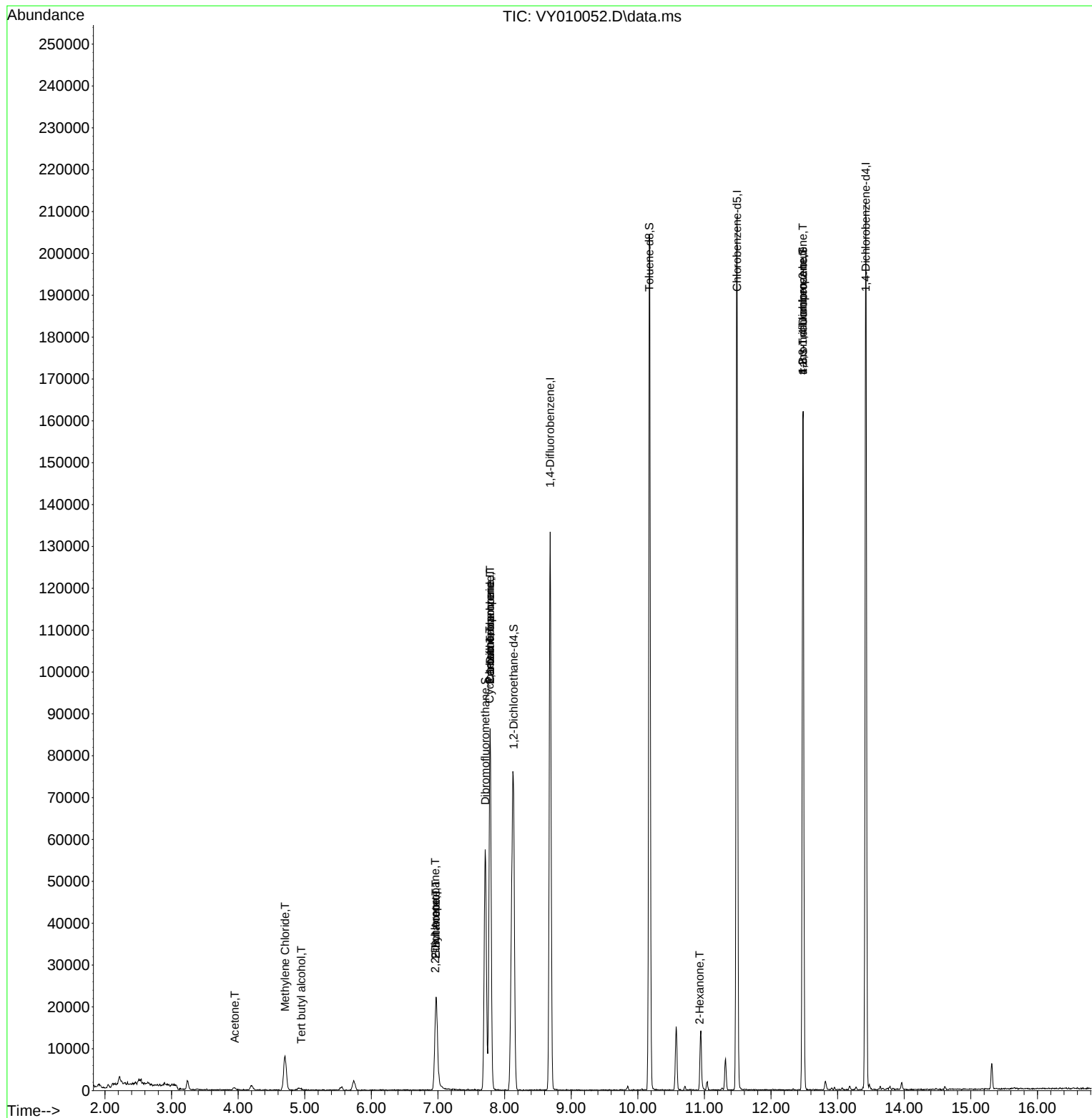
Internal Standards						
1) Pentafluorobenzene	7.783	168	69840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	115727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	116212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	56574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	43669	62.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.080%			
35) Dibromofluoromethane	7.710	113	39280	52.339	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.680%			
50) Toluene-d8	10.173	98	131017	47.186	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.380%			
62) 4-Bromofluorobenzene	12.477	95	44758	45.894	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.780%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	138	2.032	ug/l #	74
16) Acetone	3.948	43	1023	6.840	ug/l #	77
20) Methylene Chloride	4.704	84	5969	5.636	ug/l	93
25) 2-Butanone	6.966	43	1252	6.119	ug/l #	83
26) 2,2-Dichloropropane	6.960	77	1694	1.533	ug/l #	53
31) Cyclohexane	7.777	56	1431	1.450	ug/l #	32
36) 1,1-Dichloropropene	7.783	75	4954	4.739	ug/l #	50
37) Ethyl Acetate	6.966	43	1252	2.378	ug/l #	1
38) Carbon Tetrachloride	7.783	117	6556	5.099	ug/l #	16
59) 2-Hexanone	10.929	43	146	24.464	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	23398	43.631	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	23398	98.603	ug/l #	12

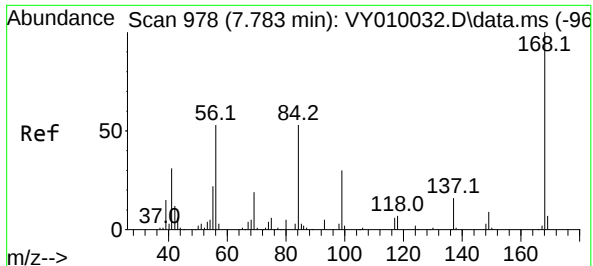
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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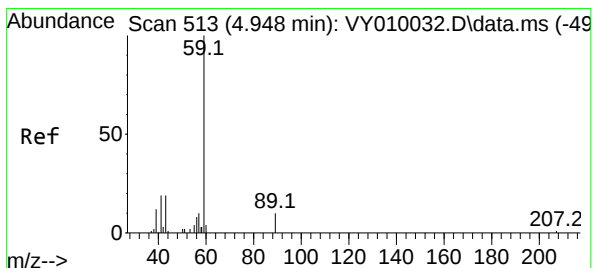
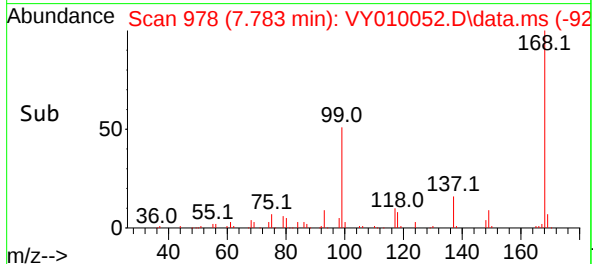
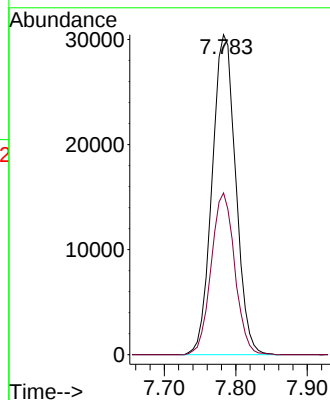
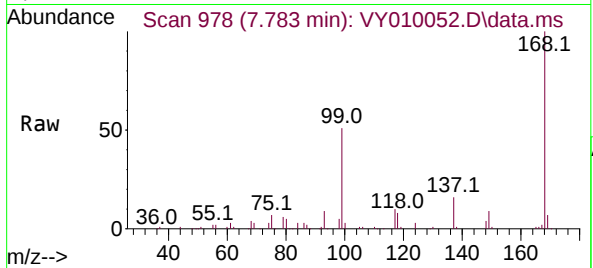




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

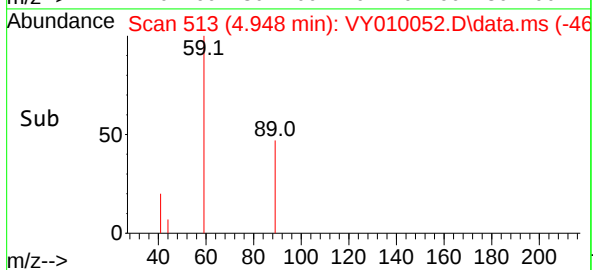
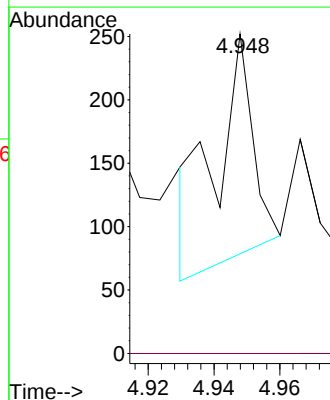
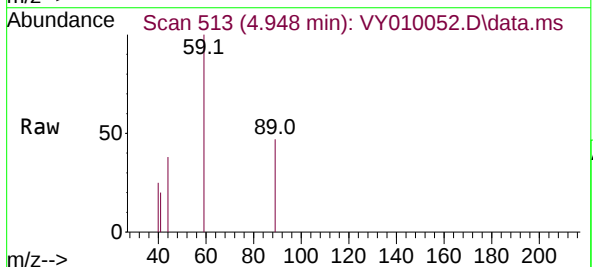
Instrument :
MSVOA_Y
ClientSampleId :
W-2

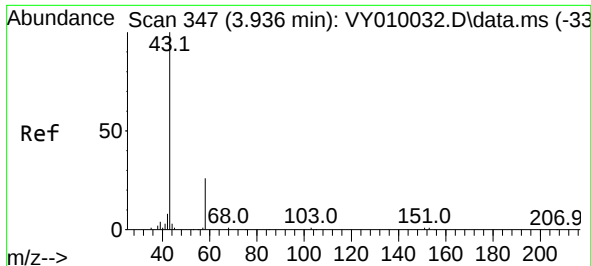
Tgt Ion:168 Resp: 69840
Ion Ratio Lower Upper
168 100
99 50.5 37.7 56.5



#11
Tert butyl alcohol
Concen: 2.032 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

Tgt Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

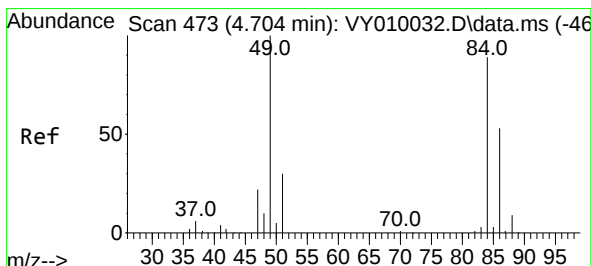
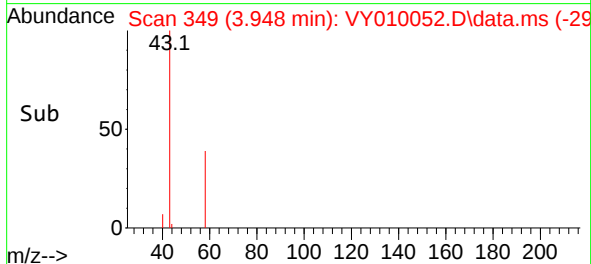
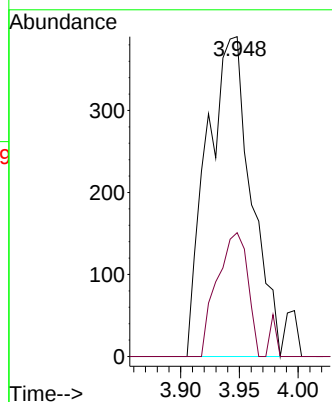
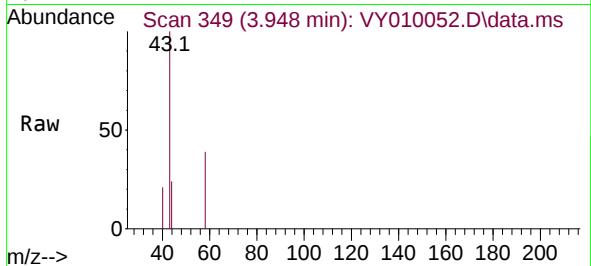




#16
Acetone
Concen: 6.840 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

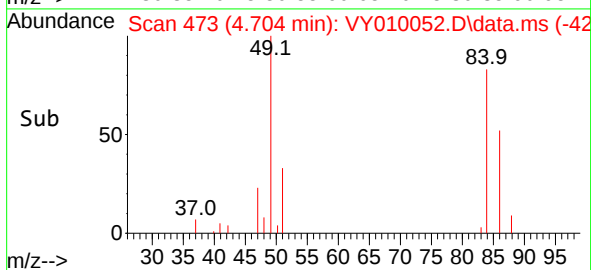
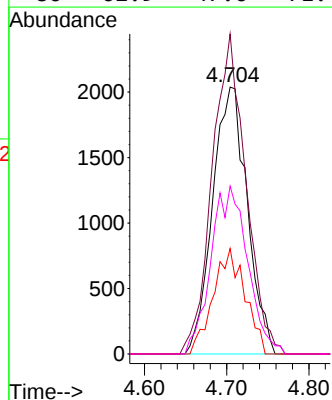
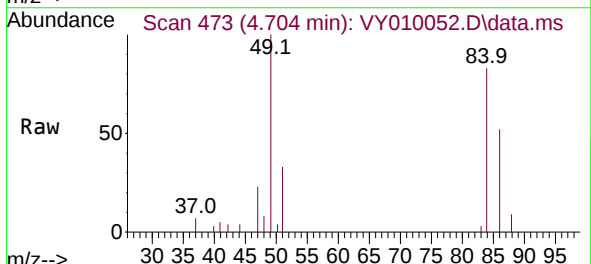
Instrument :
MSVOA_Y
ClientSampleId :
W-2

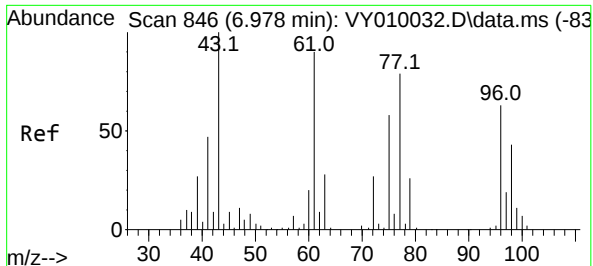
Tgt Ion: 43 Resp: 1023
Ion Ratio Lower Upper
43 100
58 38.7 21.4 32.0#



#20
Methylene Chloride
Concen: 5.636 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

Tgt Ion: 84 Resp: 5969
Ion Ratio Lower Upper
84 100
49 119.9 89.5 134.3
51 39.5 26.8 40.2
86 62.9 47.6 71.4





#25

2-Butanone

Concen: 6.119 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY010052.D

Acq: 16 Aug 2022 18:44

Instrument :

MSVOA_Y

ClientSampleId :

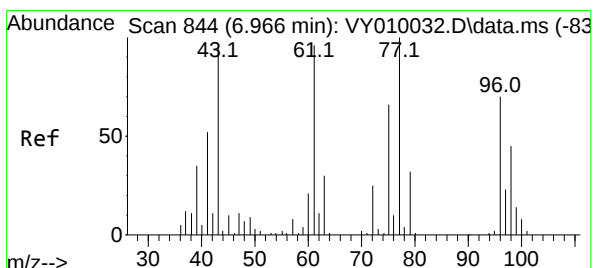
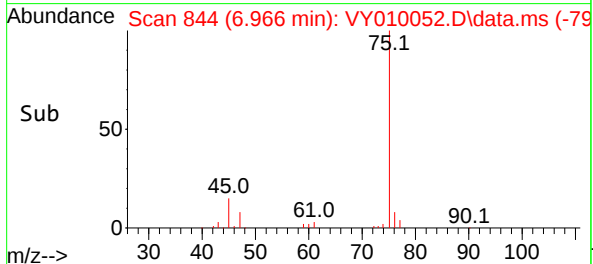
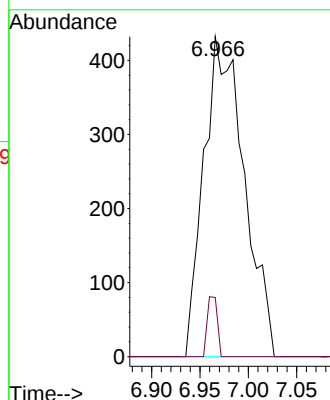
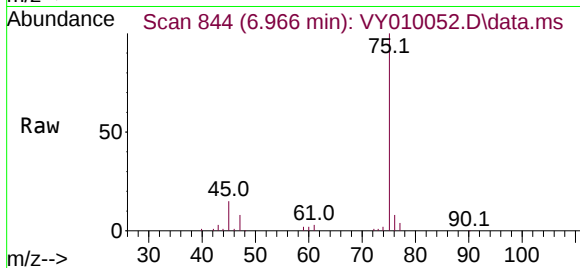
W-2

Tgt Ion: 43 Resp: 1252

Ion Ratio Lower Upper

43 100

72 18.5 21.7 32.5#



#26

2,2-Dichloropropane

Concen: 1.533 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.006 min

Lab File: VY010052.D

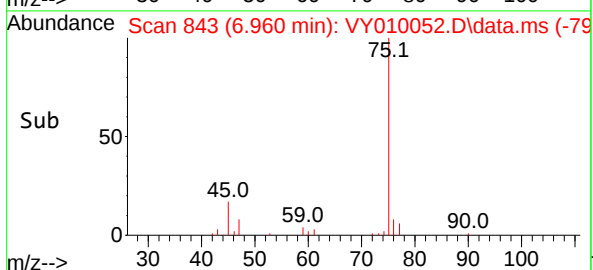
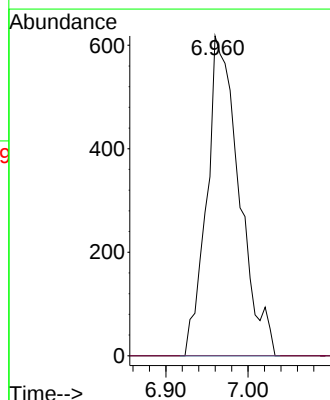
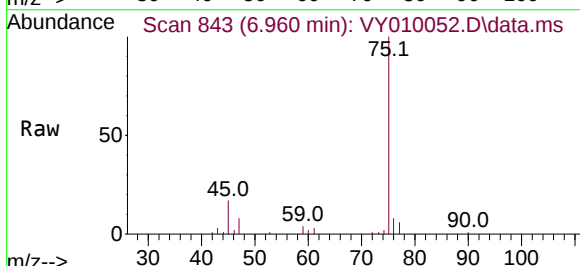
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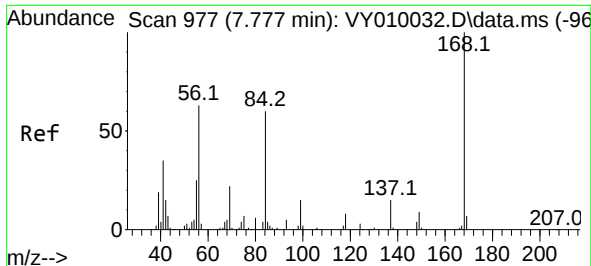
Tgt Ion: 77 Resp: 1694

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#

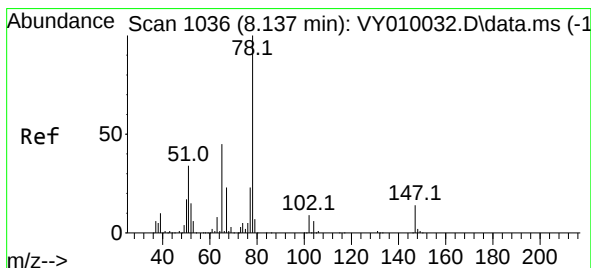
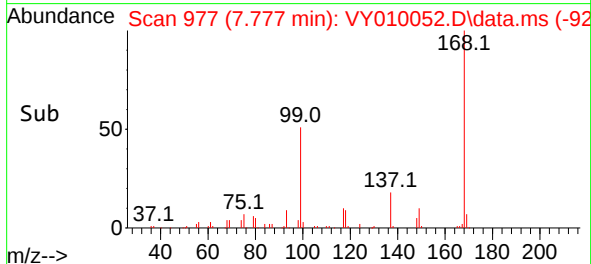
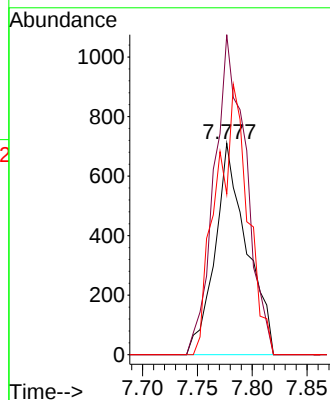
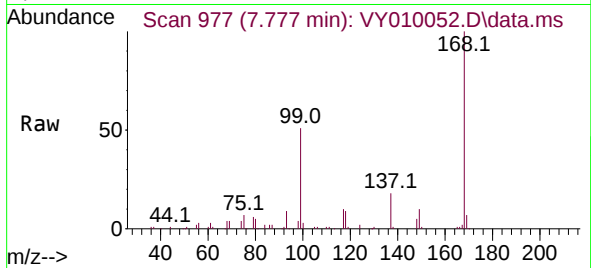




#31
Cyclohexane
Concen: 1.450 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

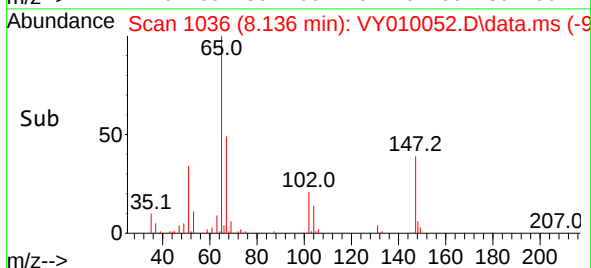
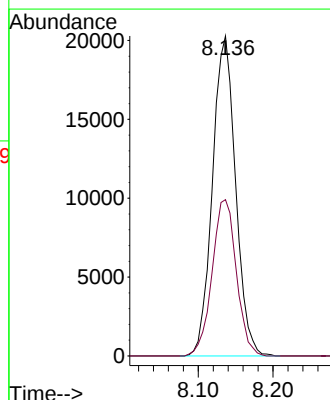
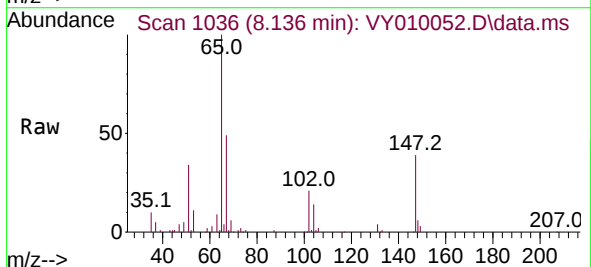
Instrument :
MSVOA_Y
ClientSampleId :
W-2

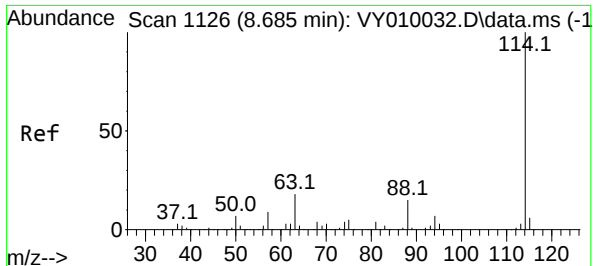
Tgt Ion: 56 Resp: 1431
Ion Ratio Lower Upper
56 100
69 151.4 28.6 43.0#
84 76.1 76.0 114.0



#33
1,2-Dichloroethane-d4
Concen: 62.536 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

Tgt Ion: 65 Resp: 43669
Ion Ratio Lower Upper
65 100
67 51.2 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: VY010052.D

Acq: 16 Aug 2022 18:44

Instrument :

MSVOA_Y

ClientSampleId :

W-2

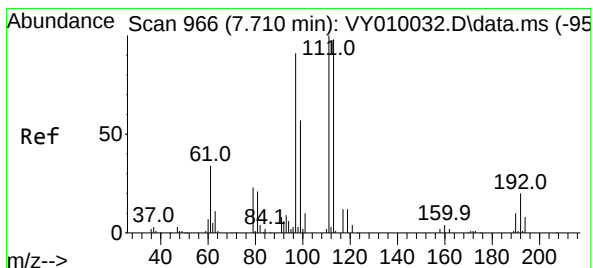
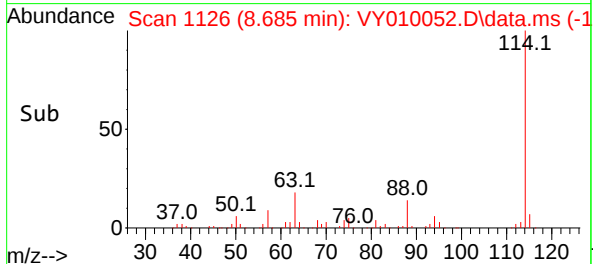
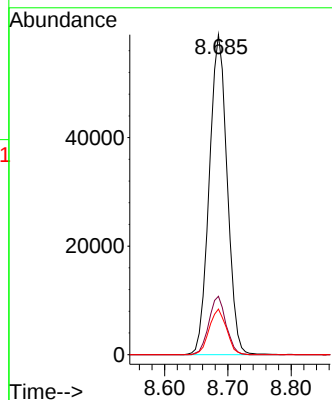
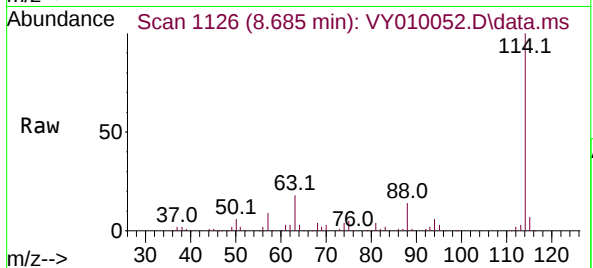
Tgt Ion:114 Resp: 115727

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.2

88 14.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 52.339 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010052.D

Acq: 16 Aug 2022 18:44

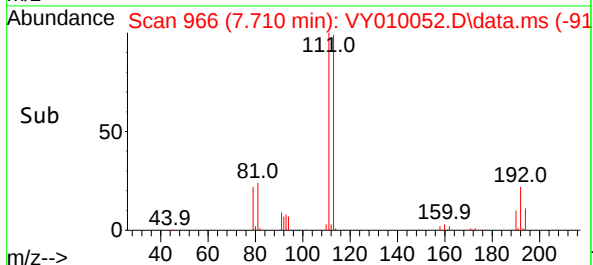
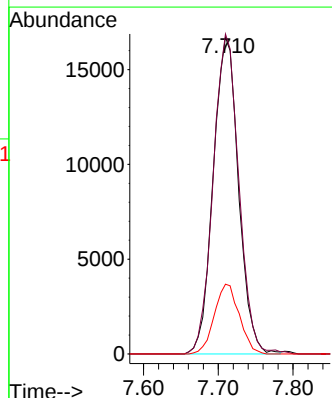
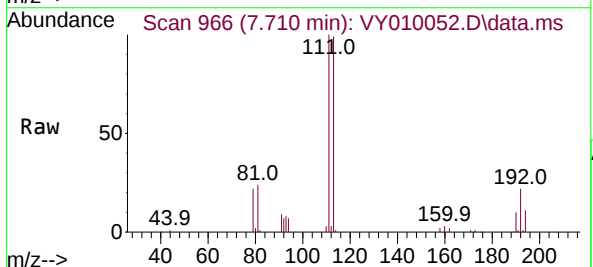
Tgt Ion:113 Resp: 39280

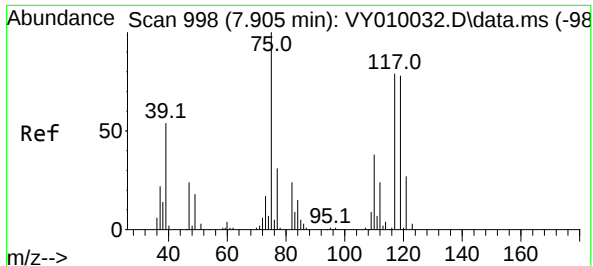
Ion Ratio Lower Upper

113 100

111 102.3 82.7 124.1

192 21.7 17.2 25.8





#36

1,1-Dichloropropene

Concen: 4.739 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY010052.D

Acq: 16 Aug 2022 18:44

Instrument :

MSVOA_Y

ClientSampleId :

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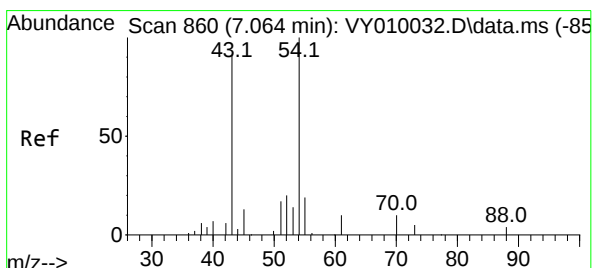
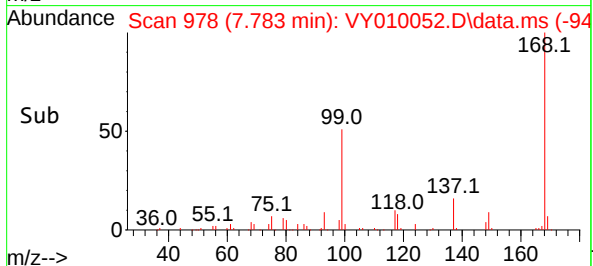
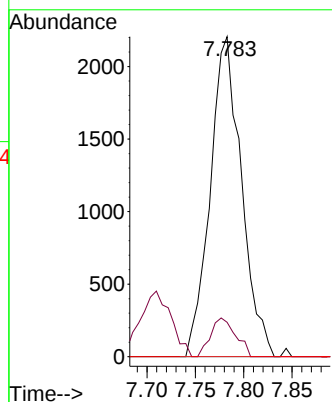
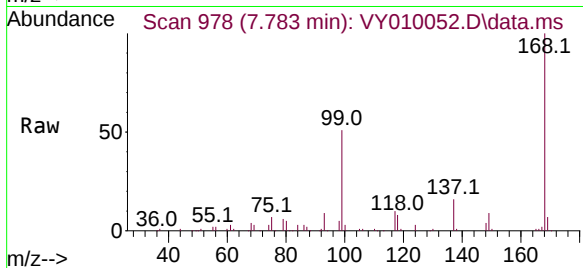
Tgt Ion: 75 Resp: 4954

Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.4#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 2.378 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.098 min

Lab File: VY010052.D

Acq: 16 Aug 2022 18:44

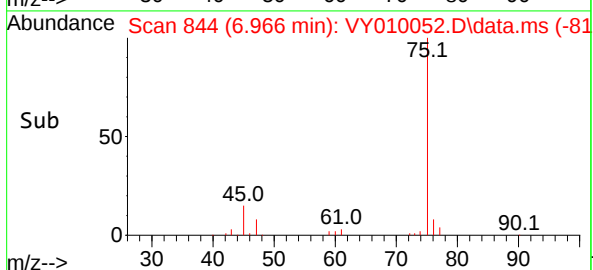
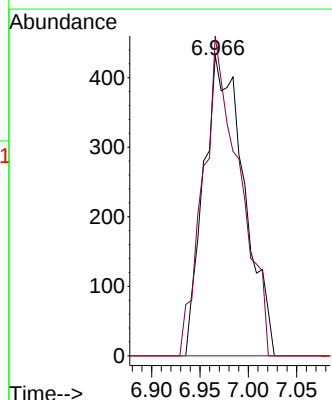
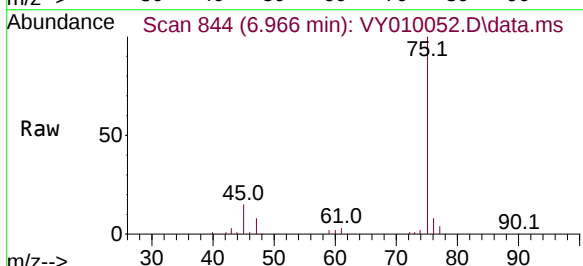
Tgt Ion: 43 Resp: 1252

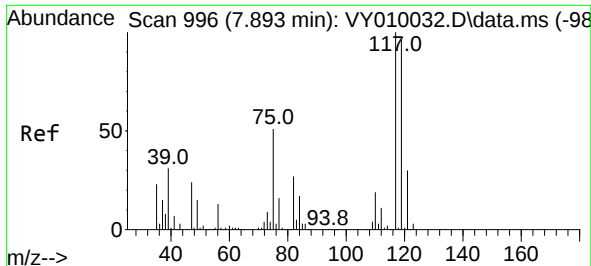
Ion Ratio Lower Upper

43 100

61 96.3 9.6 14.4#

70 0.0 7.9 11.9#

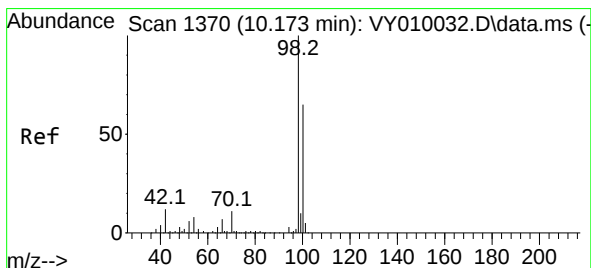
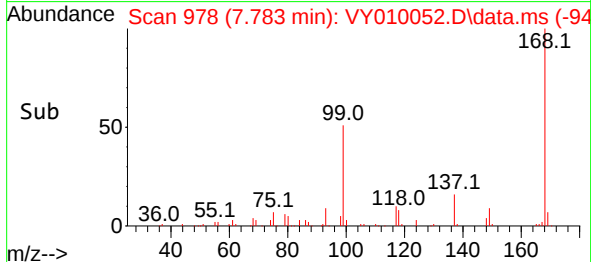
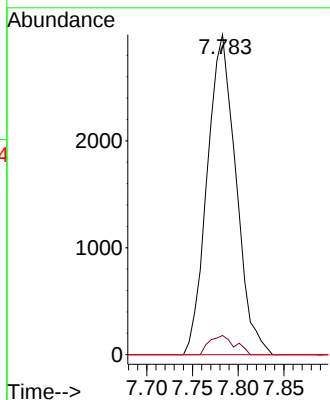
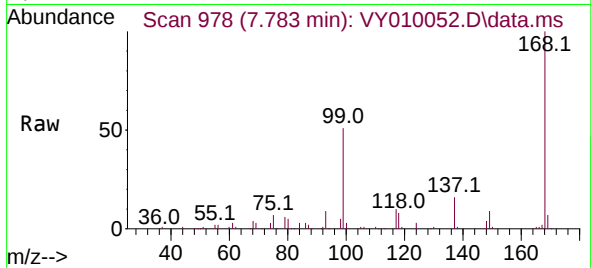




#38
Carbon Tetrachloride
Concen: 5.099 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

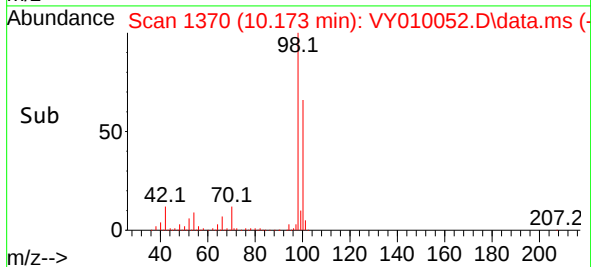
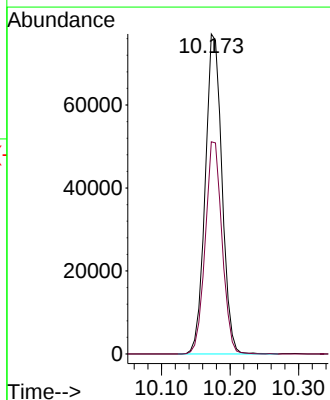
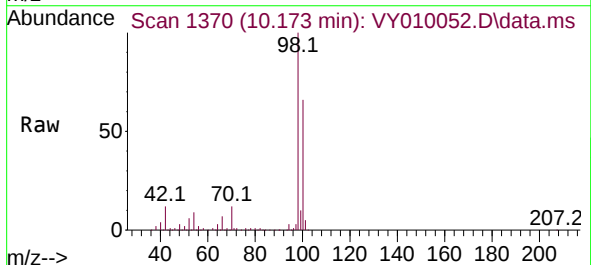
Instrument :
MSVOA_Y
ClientSampleId :
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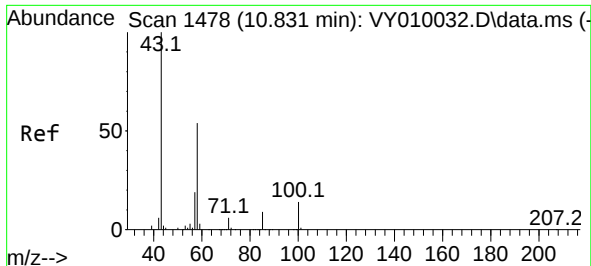
Tgt Ion:117 Resp: 6556
Ion Ratio Lower Upper
117 100
119 6.0 77.0 115.6#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 47.186 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

Tgt Ion: 98 Resp: 131017
Ion Ratio Lower Upper
98 100
100 66.5 52.1 78.1

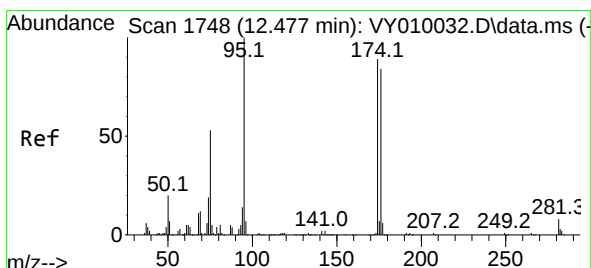
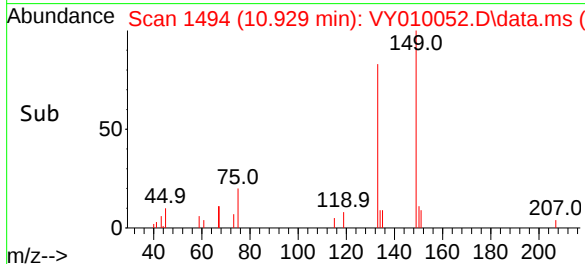
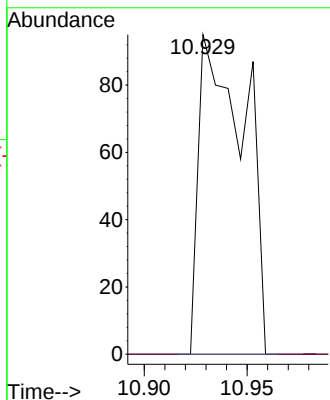
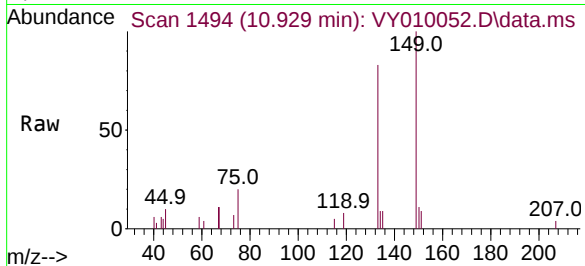




#59
2-Hexanone
Concen: 24.464 ug/l
RT: 10.929 min Scan# 1478
Delta R.T. 0.098 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

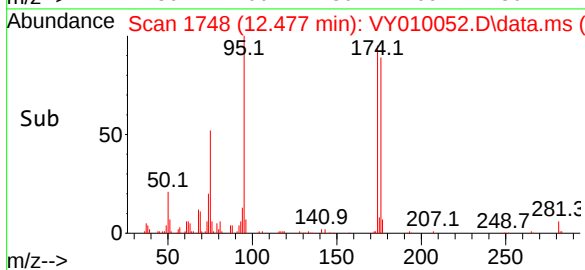
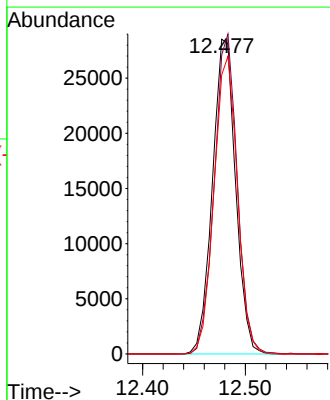
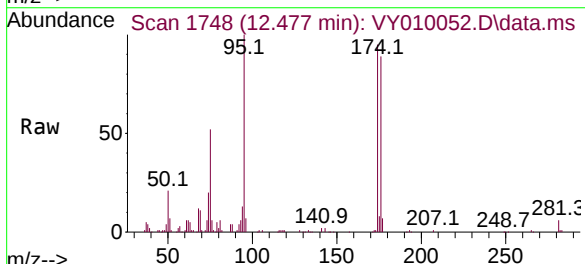
Instrument :
MSVOA_Y
ClientSampleId :
W-2

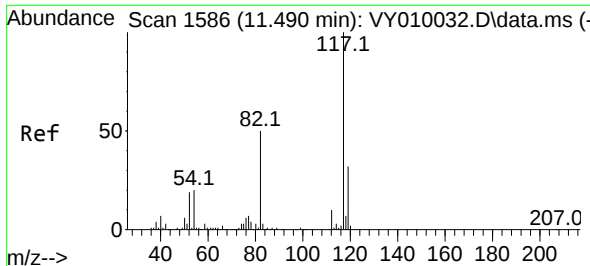
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 45.894 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

Tgt Ion: 95 Resp: 44758
Ion Ratio Lower Upper
95 100
174 100.0 0.0 184.2
176 95.0 0.0 178.4

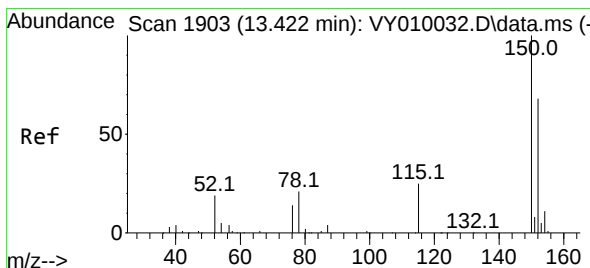
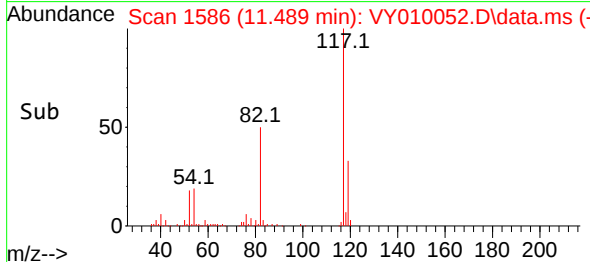
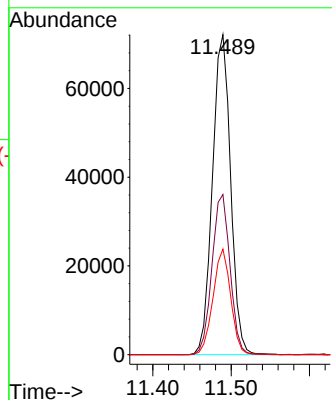
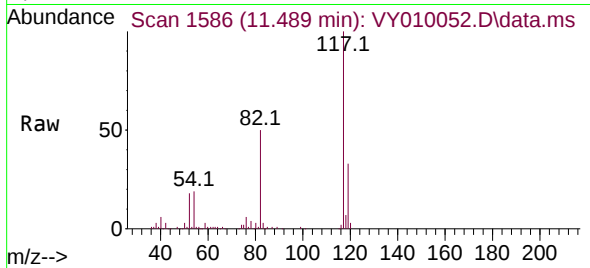




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

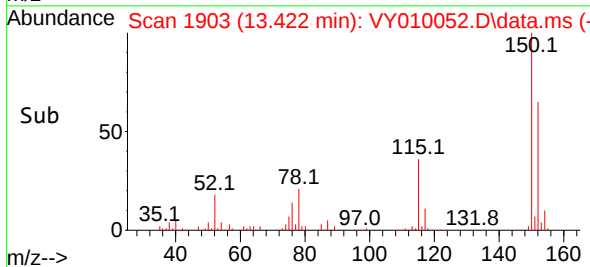
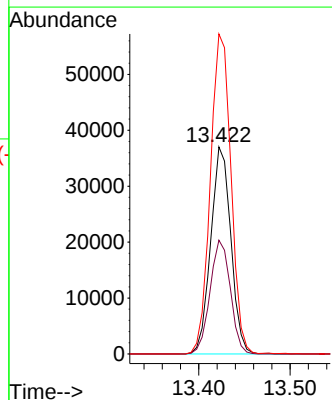
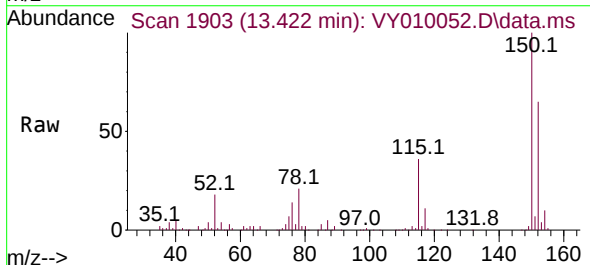
Instrument :
MSVOA_Y
ClientSampleId :
W-2

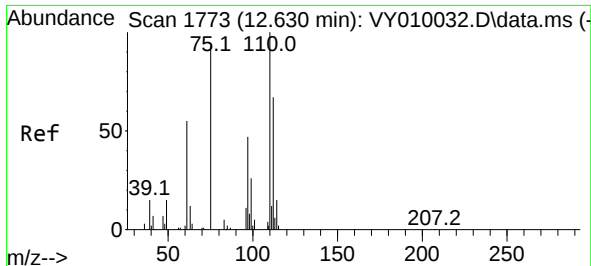
Tgt Ion:117 Resp: 116212
Ion Ratio Lower Upper
117 100
82 50.1 39.8 59.6
119 33.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

Tgt Ion:152 Resp: 56574
Ion Ratio Lower Upper
152 100
115 55.3 28.1 84.3
150 157.9 0.0 346.6

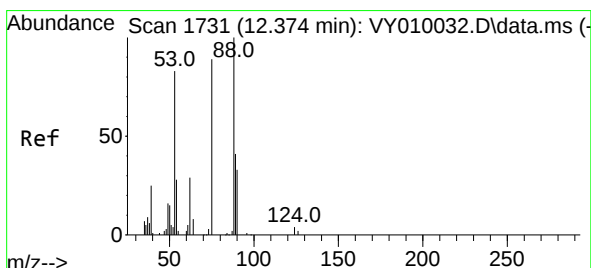
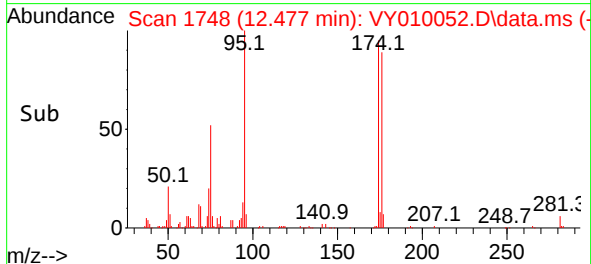
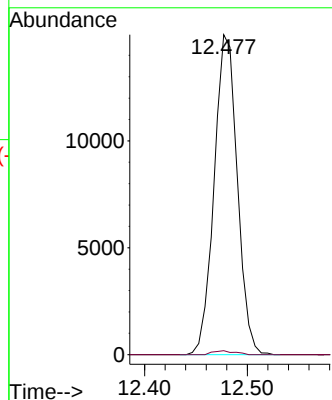
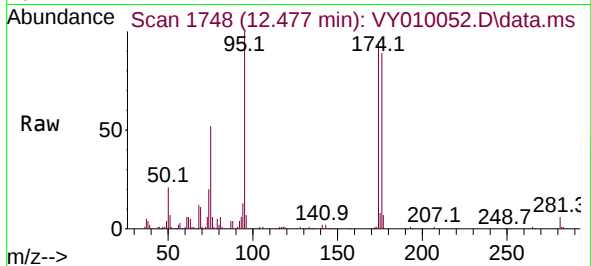




#76
1,2,3-Trichloropropane
Concen: 43.631 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

Instrument :
MSVOA_Y
ClientSampleId :
W-2

Tgt Ion: 75 Resp: 23398
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.603 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010052.D
Acq: 16 Aug 2022 18:44

Tgt Ion: 75 Resp: 23398
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 37.8 56.6#

