

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040122\
 Data File : VY008170.D
 Acq On : 01 Apr 2022 18:48
 Operator : SY/MD
 Sample : N2220-13
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A05140

Quant Time: Apr 02 03:59:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	98455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	160163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	86200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14329	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	48413	49.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.020%
35) Dibromofluoromethane	7.715	113	56466	56.231	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.460%
50) Toluene-d8	10.178	98	172432	45.578	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.160%
62) 4-Bromofluorobenzene	12.483	95	22816	17.094	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	34.180%

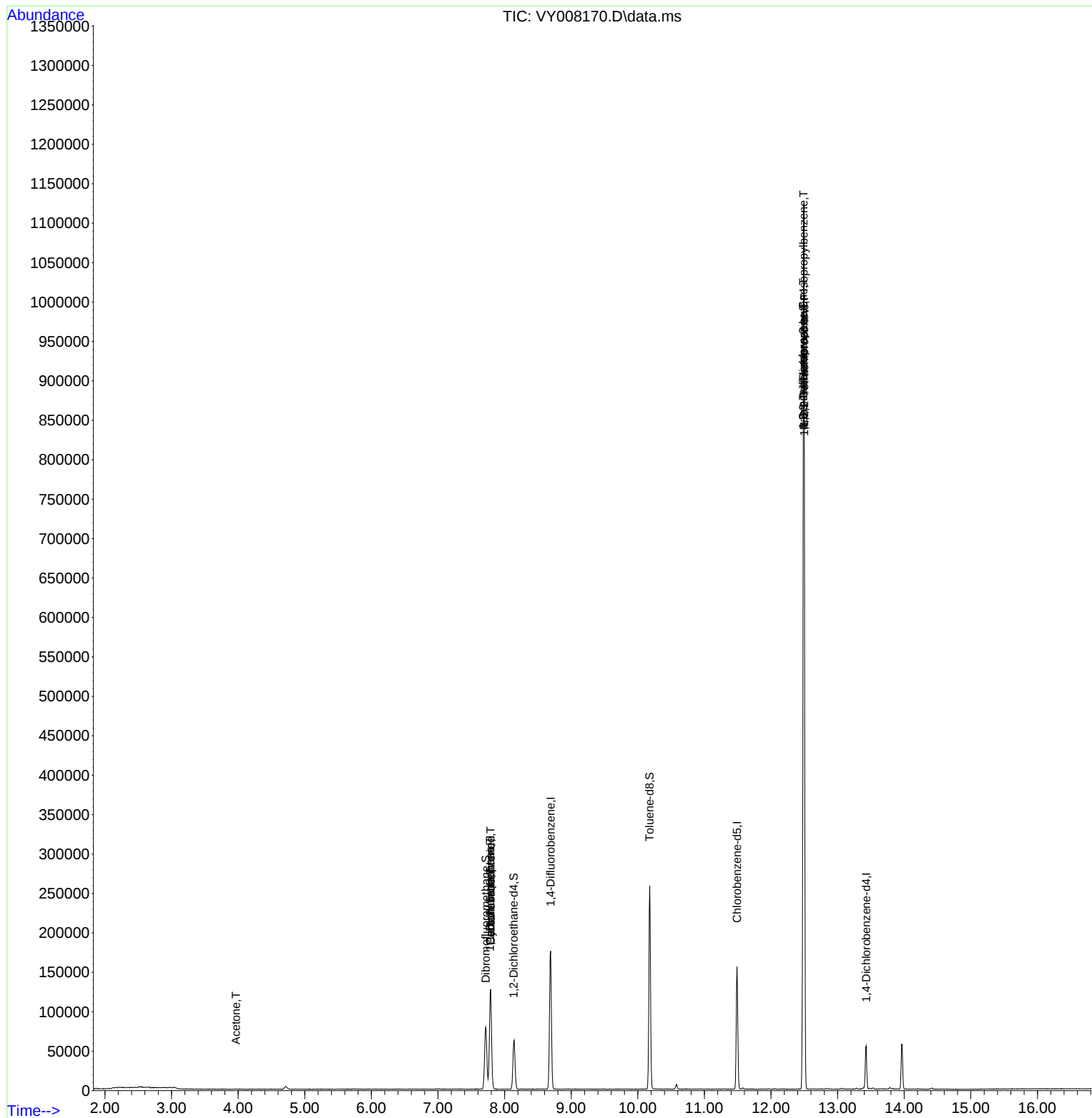
Target Compounds					Qvalue	
16) Acetone	3.966	43	541	2.396	ug/l #	89
18) Methyl Acetate	4.478	43	198	Below Cal	#	56
20) Methylene Chloride	4.716	84	2859	Below Cal	#	73
31) Cyclohexane	7.789	56	1955	1.059	ug/l #	1
36) 1,1-Dichloropropene	7.782	75	7474	4.738	ug/l #	50
38) Carbon Tetrachloride	7.789	117	10102	5.877	ug/l #	15
73) Isopropylbenzene	12.489	105	3119	2.637	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.501	83	430	1.870	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	20089	115.010	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20089	256.606	ug/l #	14

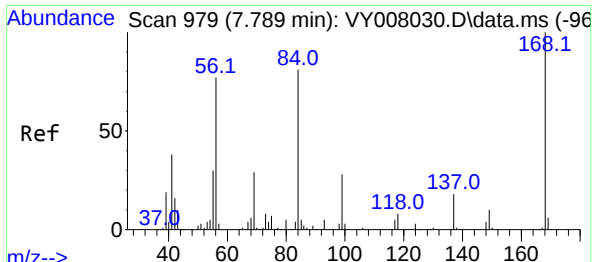
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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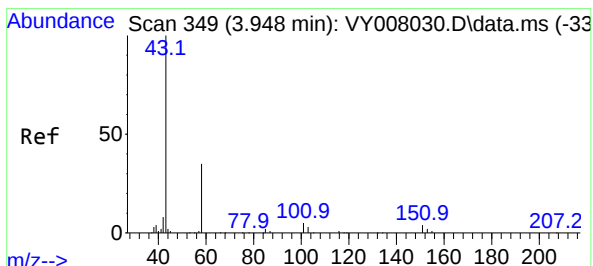
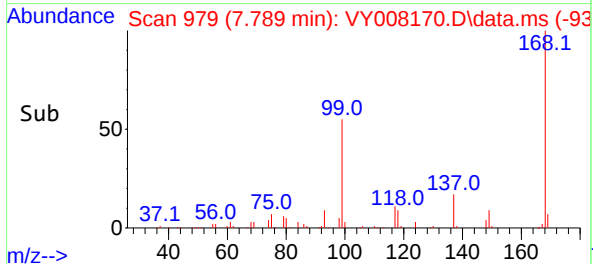
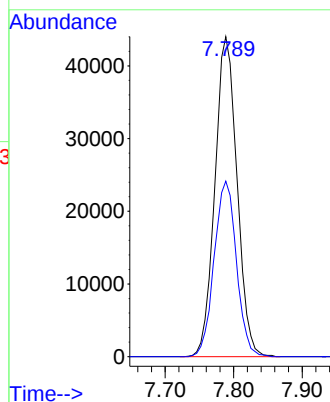
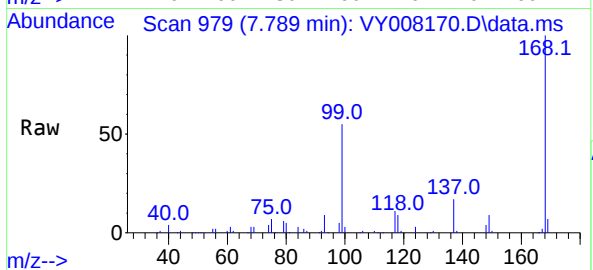




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

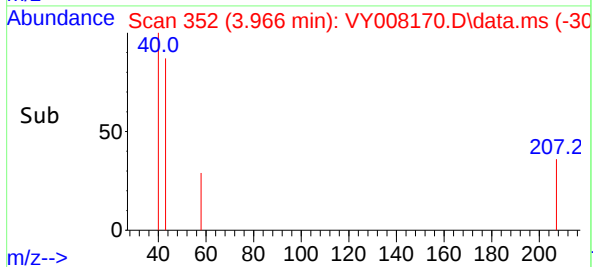
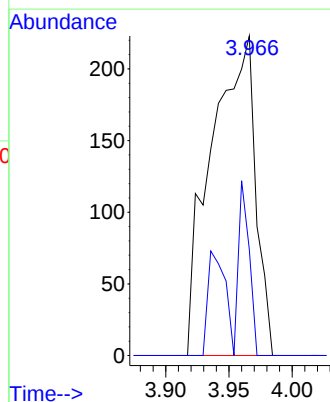
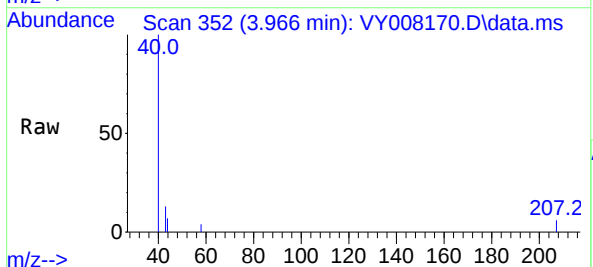
Instrument :
MSVOA_Y
ClientSampleId :
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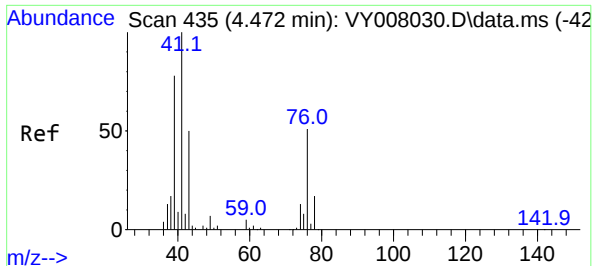
Tgt Ion:168 Resp: 98455
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#16
Acetone
Concen: 2.396 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.018 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
58 33.2 22.0 33.0#

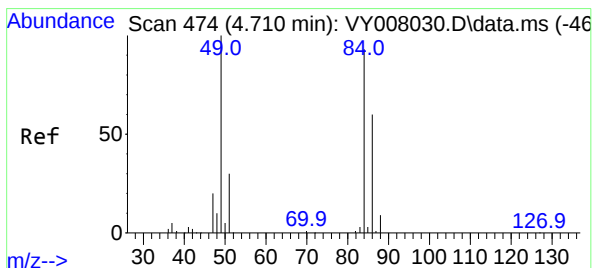
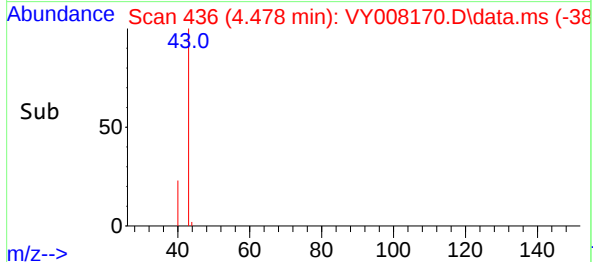
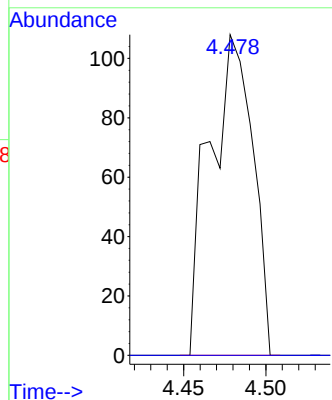
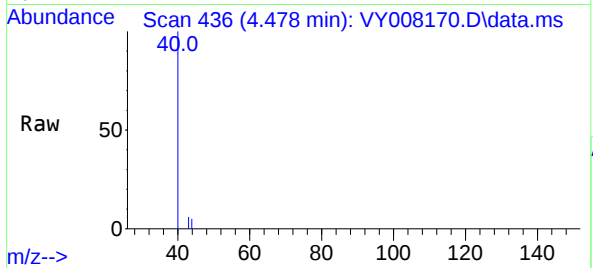




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

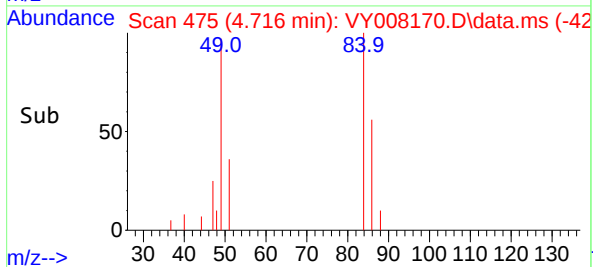
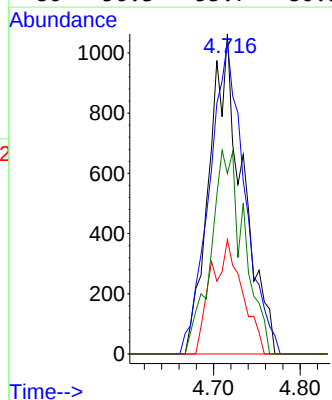
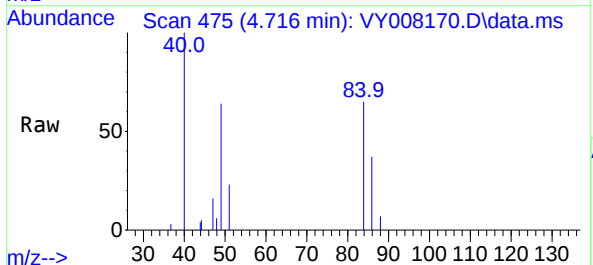
Instrument :
MSVOA_Y
ClientSampleId :
A05140

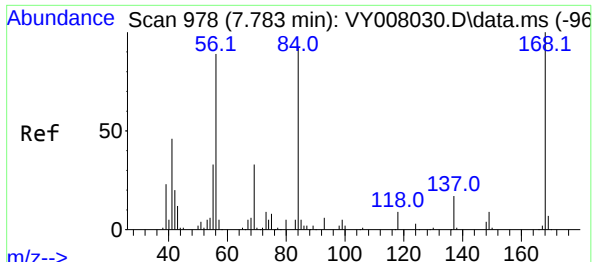
Tgt Ion: 43 Resp: 198
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

Tgt Ion: 84 Resp: 2859
Ion Ratio Lower Upper
84 100
49 97.4 114.4 171.6#
51 35.7 35.3 52.9
86 56.3 53.7 80.5

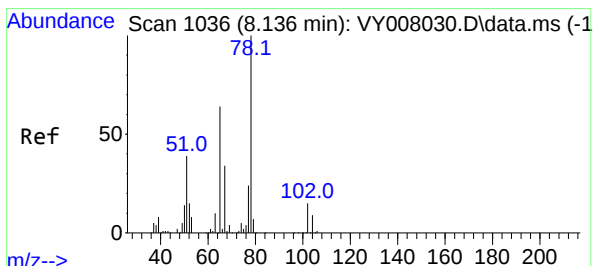
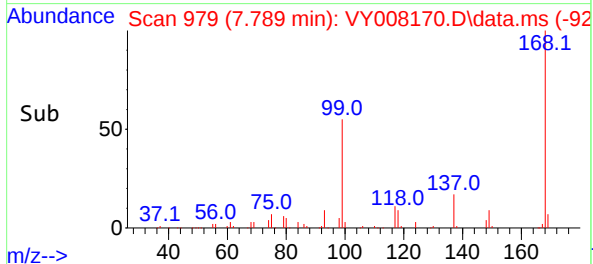
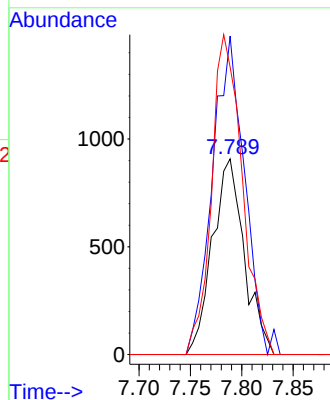
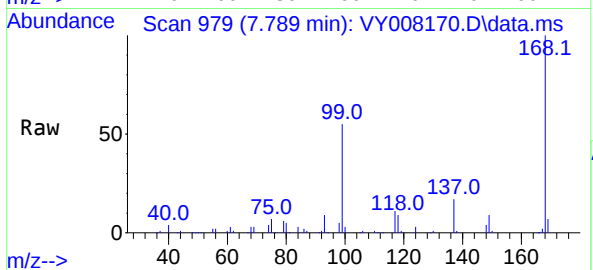




#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

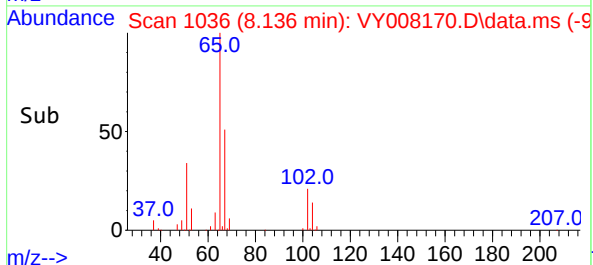
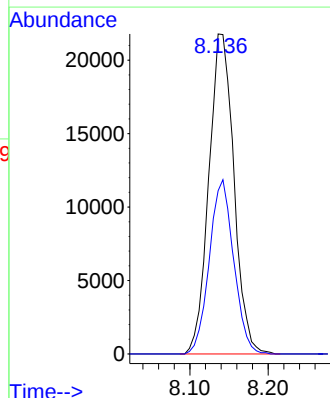
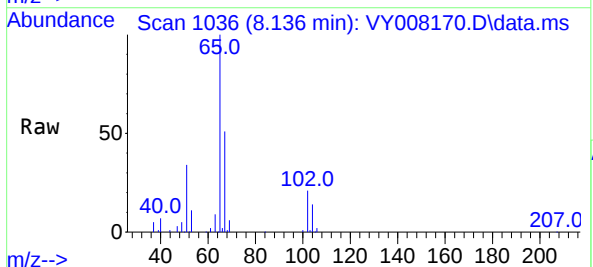
Instrument :
MSVOA_Y
ClientSampleId :
A05140

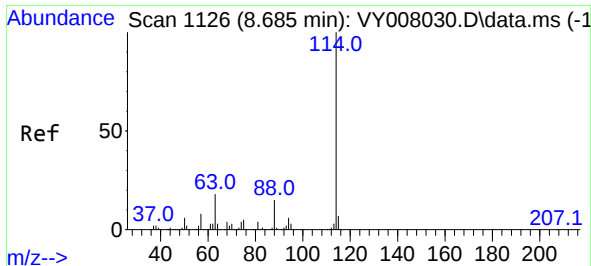
Tgt Ion: 56 Resp: 1955
Ion Ratio Lower Upper
56 100
69 162.7 26.7 40.1#
84 146.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 49.011 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

Tgt Ion: 65 Resp: 48413
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY008170.D

Acq: 01 Apr 2022 18:48

Instrument :

MSVOA_Y

ClientSampleId :

A05140

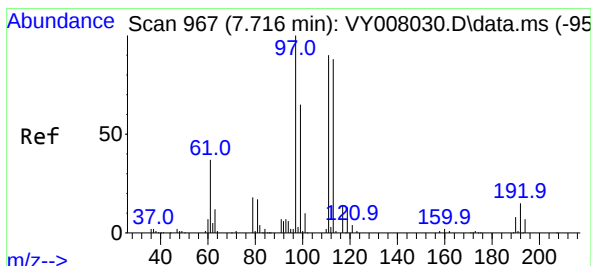
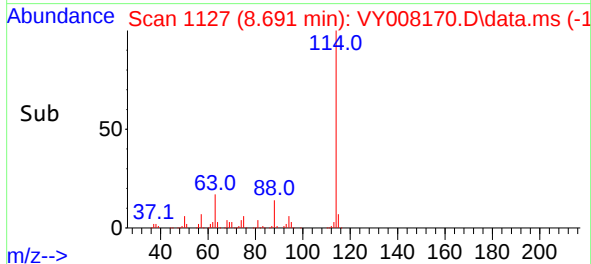
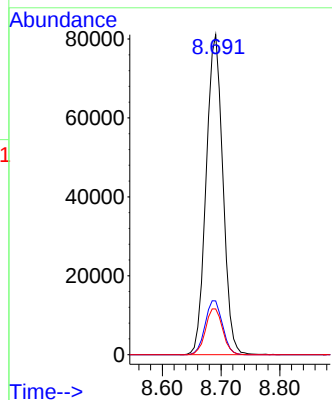
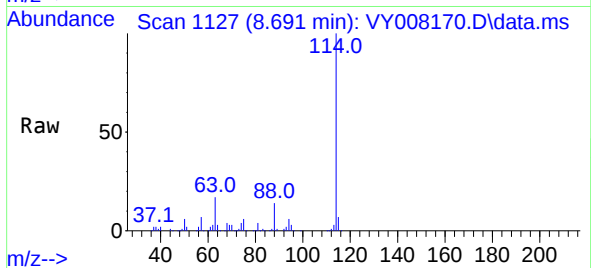
Tgt Ion:114 Resp: 160163

Ion Ratio Lower Upper

114 100

63 16.8 0.0 43.2

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.231 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY008170.D

Acq: 01 Apr 2022 18:48

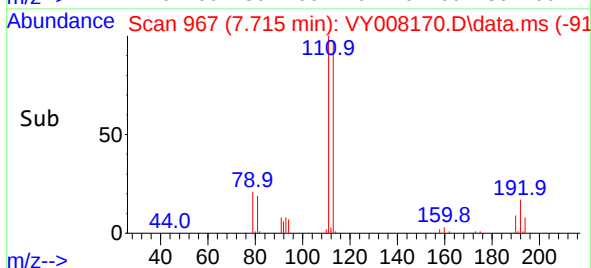
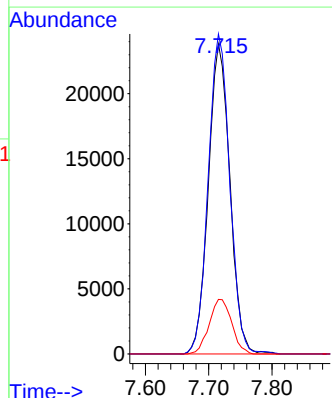
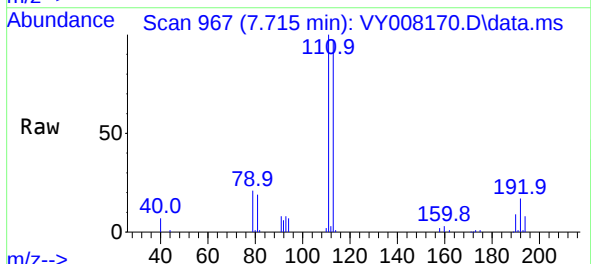
Tgt Ion:113 Resp: 56466

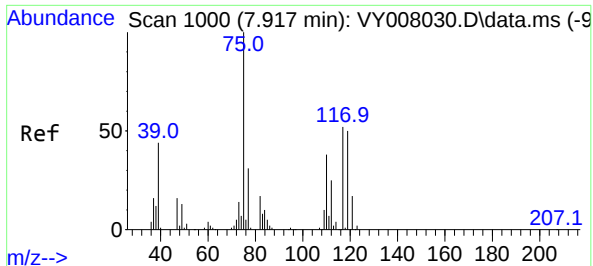
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 18.4 17.6 26.4

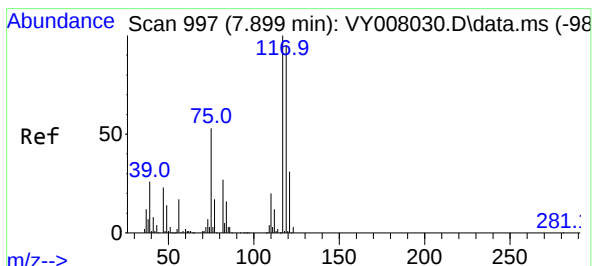
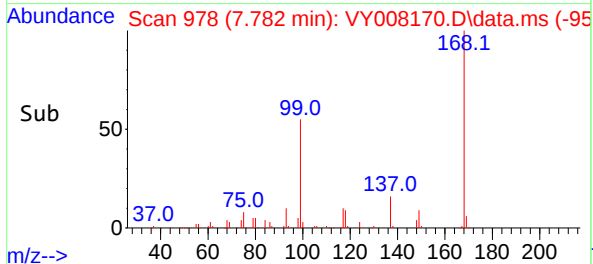
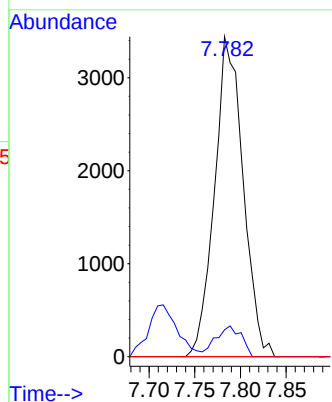
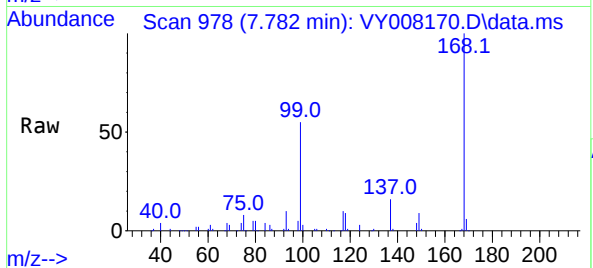




#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.135 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

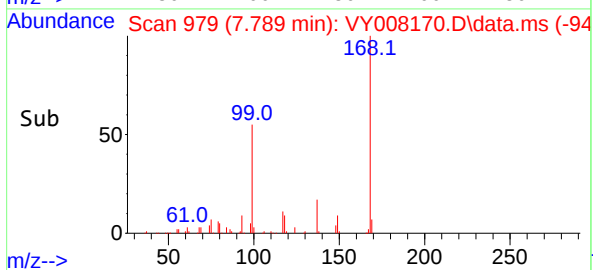
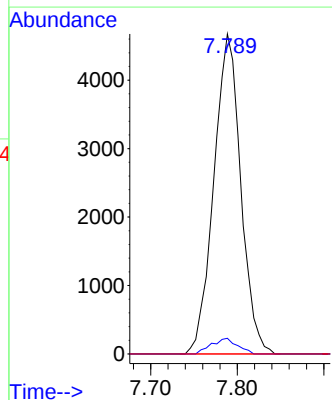
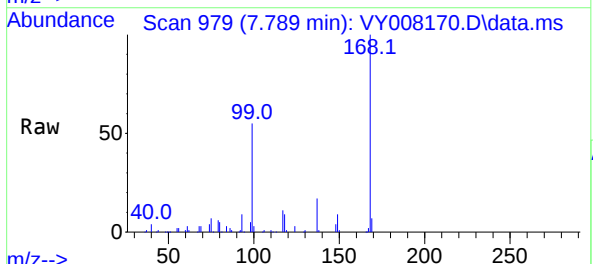
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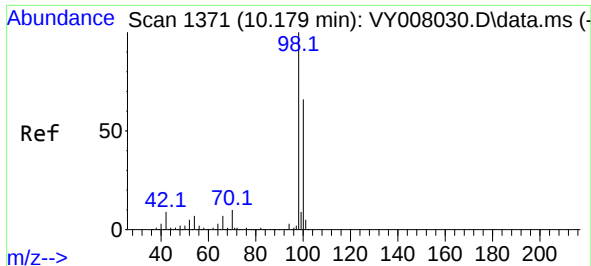
Tgt Ion: 75 Resp: 7474
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.877 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

Tgt Ion: 117 Resp: 10102
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#

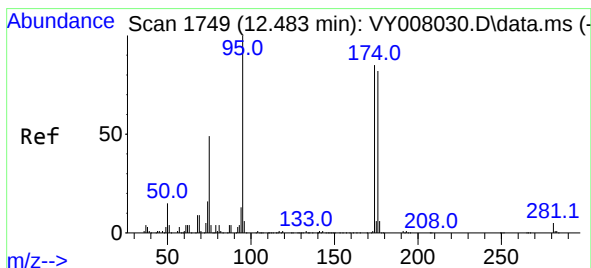
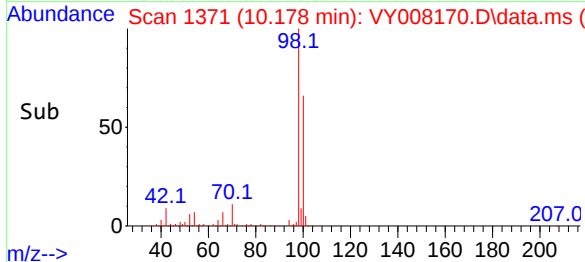
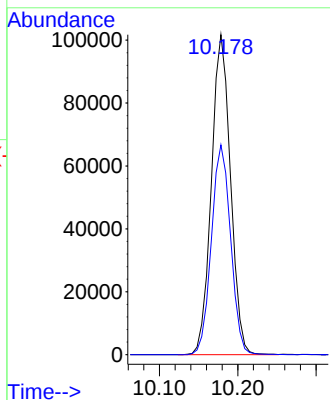
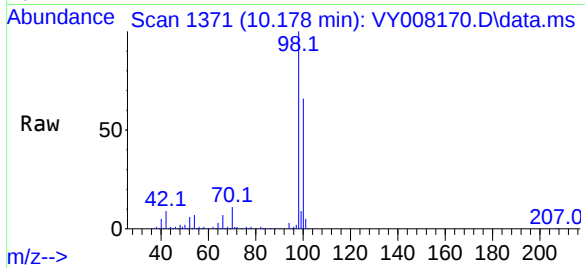




#50
Toluene-d8
Concen: 45.578 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

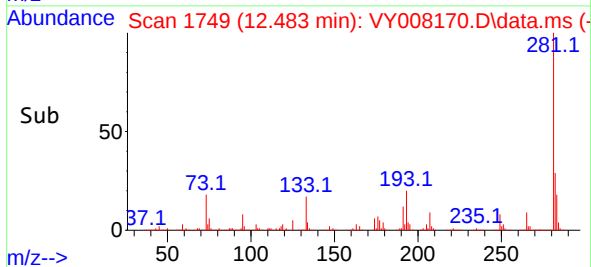
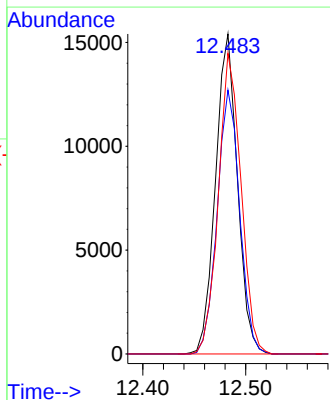
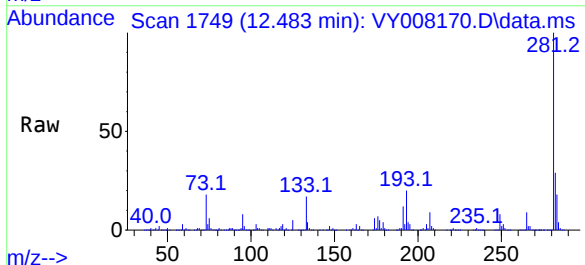
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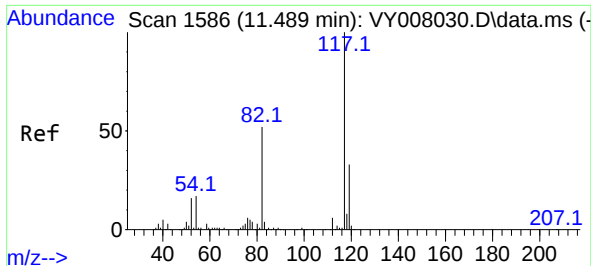
Tgt Ion: 98 Resp: 172432
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 17.094 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

Tgt Ion: 95 Resp: 22816
Ion Ratio Lower Upper
95 100
174 84.5 0.0 177.0
176 97.1 0.0 175.8

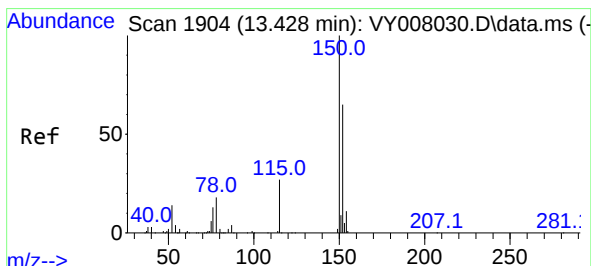
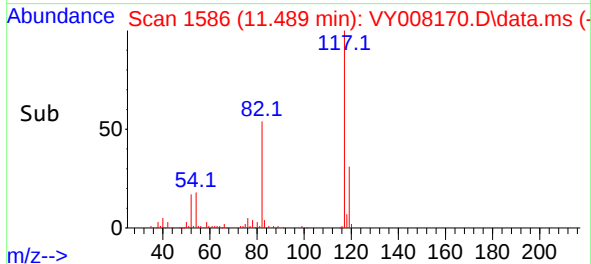
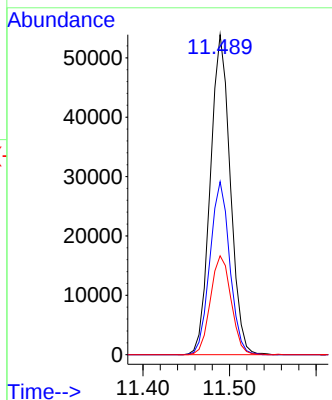
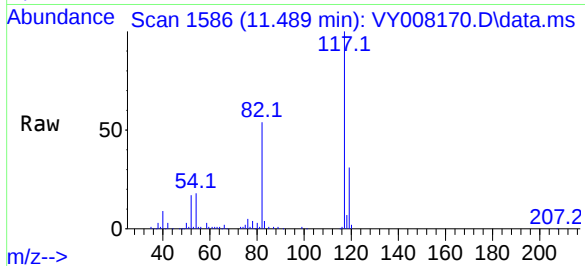




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

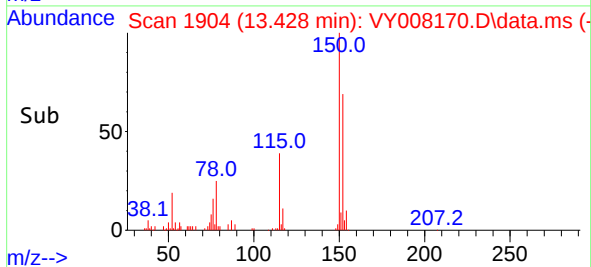
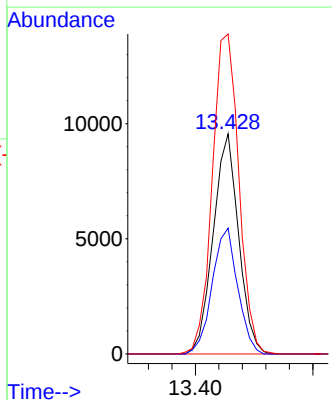
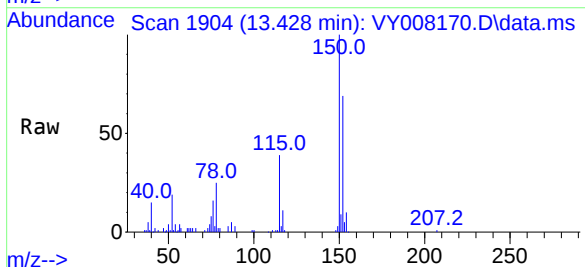
Instrument :
MSVOA_Y
ClientSampleId :
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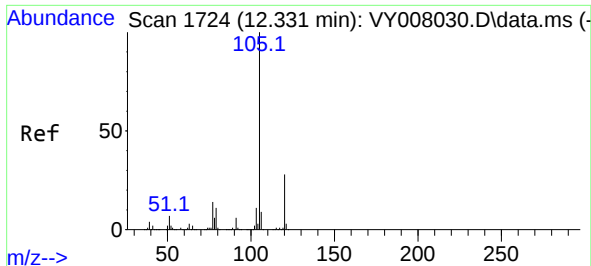
Tgt Ion:	117	Resp:	86200
Ion Ratio	Lower	Upper	
117	100		
82	54.1	43.0	64.4
119	30.9	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

Tgt Ion:	152	Resp:	14329
Ion Ratio	Lower	Upper	
152	100		
115	57.4	28.2	84.7
150	152.2	0.0	347.6

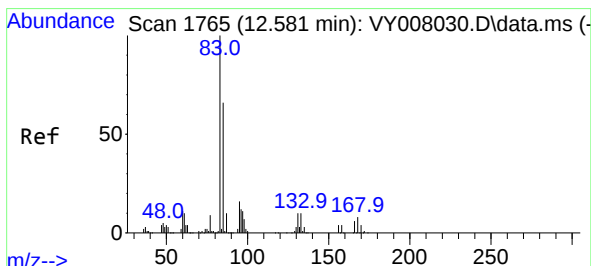
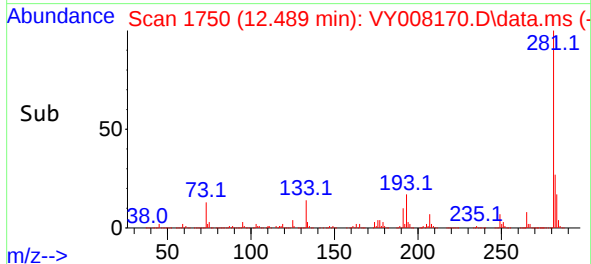
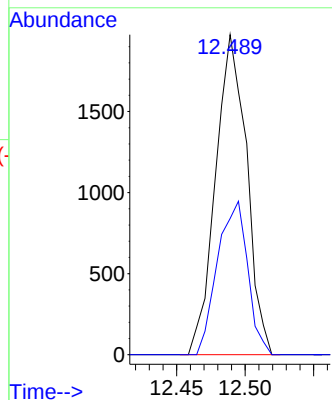
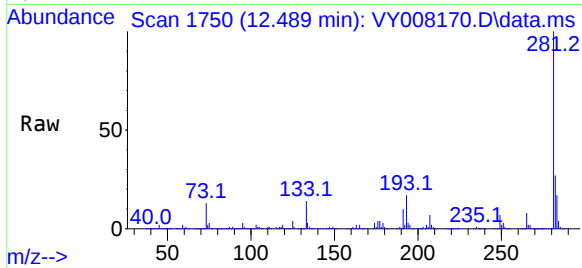




#73
Isopropylbenzene
Concen: 2.637 ug/l
RT: 12.489 min Scan# 1724
Delta R.T. 0.158 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

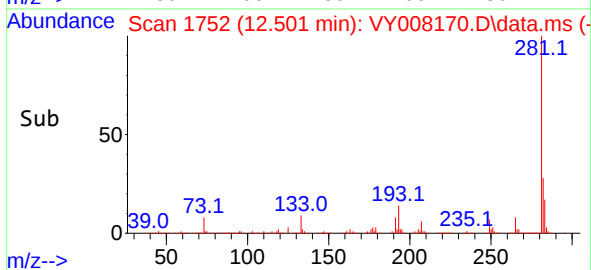
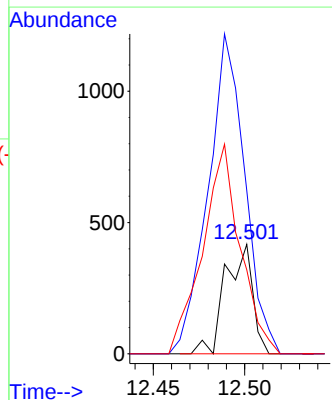
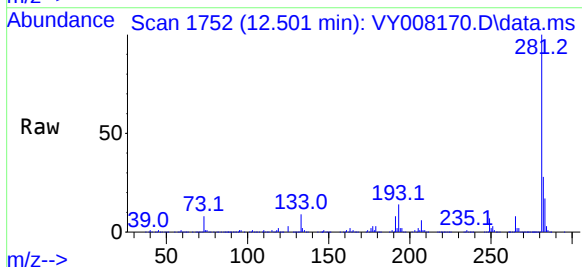
Instrument :
MSVOA_Y
ClientSampleId :
A05140

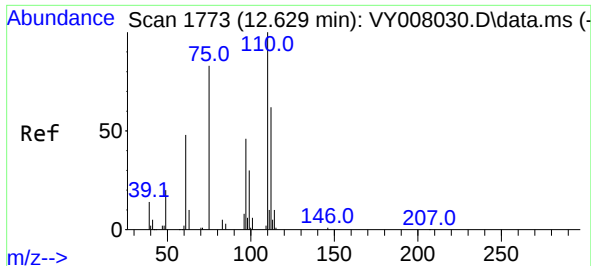
Tgt Ion:105 Resp: 3119
Ion Ratio Lower Upper
105 100
120 46.4 13.4 40.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.870 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. -0.080 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

Tgt Ion: 83 Resp: 430
Ion Ratio Lower Upper
83 100
131 396.5 5.6 16.8#
85 265.1 32.3 96.8#

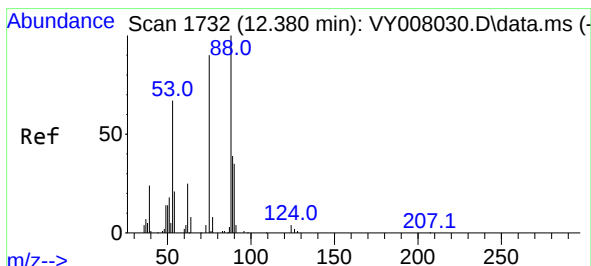
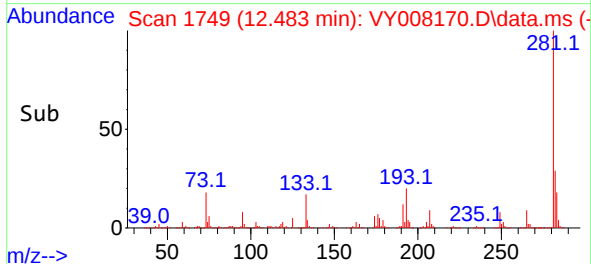
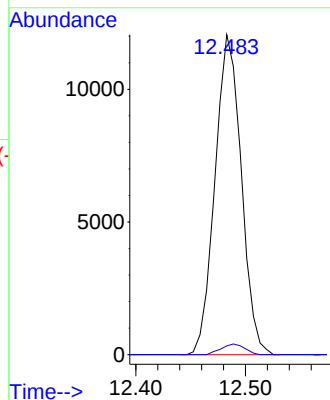
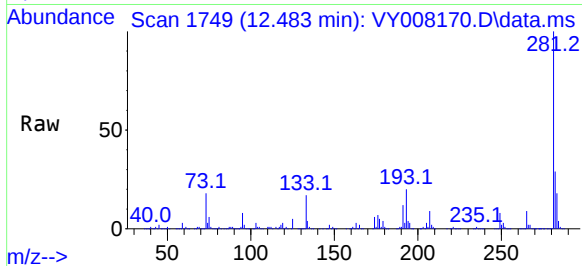




#76
1,2,3-Trichloropropane
Concen: 115.010 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

Instrument :
MSVOA_Y
ClientSampleId :
A05140

Tgt Ion: 75 Resp: 20089
Ion Ratio Lower Upper
75 100
77 3.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 256.606 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008170.D
Acq: 01 Apr 2022 18:48

Tgt Ion: 75 Resp: 20089
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 15.6 37.0 55.4#

