

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072522\
 Data File : VY009679.D
 Acq On : 25 Jul 2022 12:16
 Operator : KP/MD
 Sample : N3773-12RE
 Misc : 6.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-1(14.5-15)

Quant Time: Jul 26 05:55:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	124665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	205511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	206087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	104437	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	68966	58.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.980%
35) Dibromofluoromethane	7.710	113	63751	49.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.480%
50) Toluene-d8	10.173	98	246416	49.508	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.477	95	90267	55.970	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	111.940%

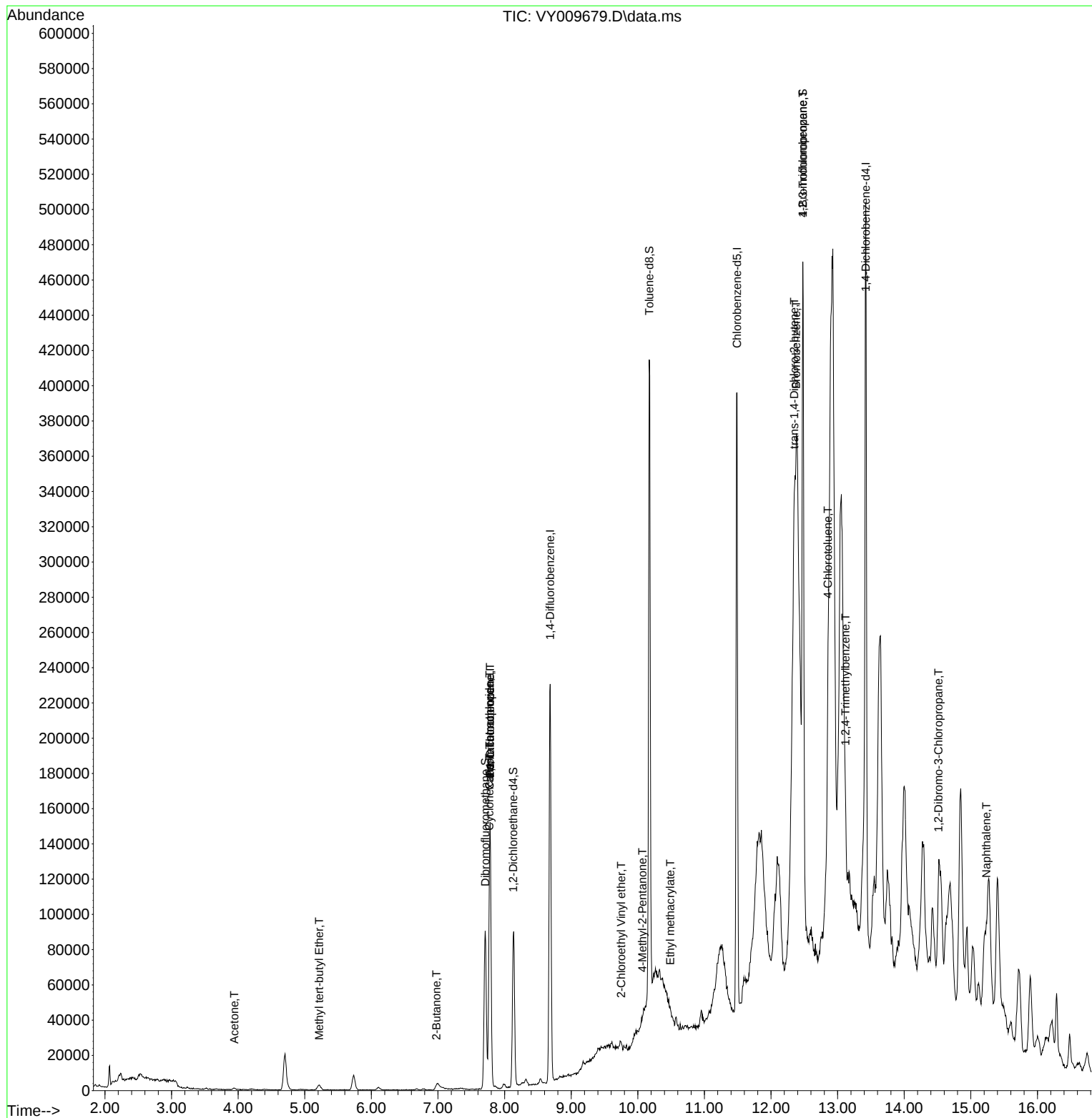
Target Compounds					Qvalue
11) Tert butyl alcohol	4.948	59	394	Below Cal	# 77
16) Acetone	3.942	43	1702	5.706	ug/l # 84
19) Methyl tert-butyl Ether	5.216	73	3563	1.179	ug/l # 76
25) 2-Butanone	6.978	43	567	1.303	ug/l 97
31) Cyclohexane	7.771	56	2852	1.372	ug/l # 31
36) 1,1-Dichloropropene	7.783	75	8367	4.373	ug/l # 52
38) Carbon Tetrachloride	7.777	117	11160	5.572	ug/l # 16
51) 4-Methyl-2-Pentanone	10.069	43	3225	3.183	ug/l # 50
56) Ethyl methacrylate	10.490	69	1806	1.256	ug/l # 18
58) 2-Chloroethyl Vinyl ether	9.752	63	60	28.349	ug/l # 48
76) 1,2,3-Trichloropropane	12.477	75	46990	47.232	ug/l # 100
77) Bromobenzene	12.380	156	525240	288.860	ug/l # 1
81) trans-1,4-Dichloro-2-b...	12.349	75	6898	13.671	ug/l # 13
82) 4-Chlorotoluene	12.855	91	10420	2.073	ug/l # 41
84) 1,2,4-Trimethylbenzene	13.117	105	10445	1.748	ug/l 87
92) 1,2-Dibromo-3-Chloropr...	14.513	75	1255	5.697	ug/l 74
95) Naphthalene	15.233	128	23638	6.278	ug/l 98

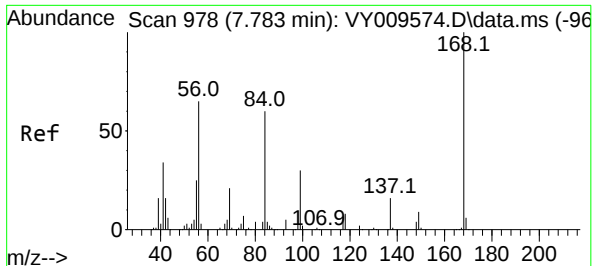
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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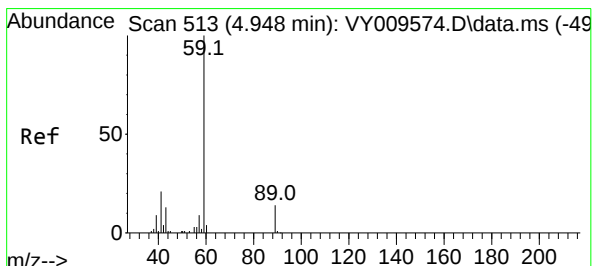
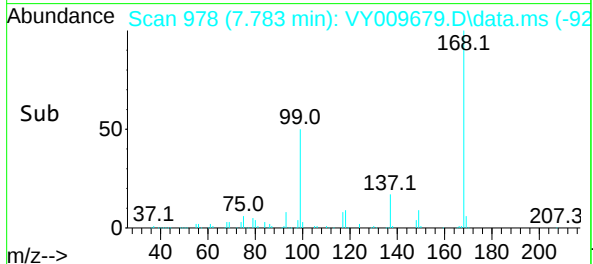
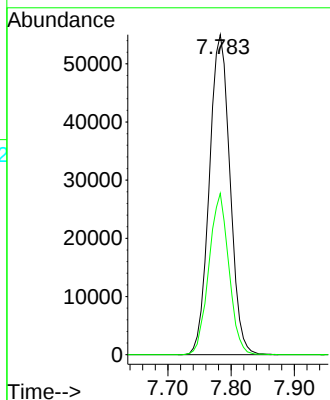
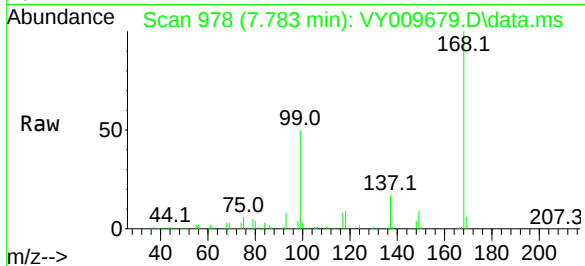




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

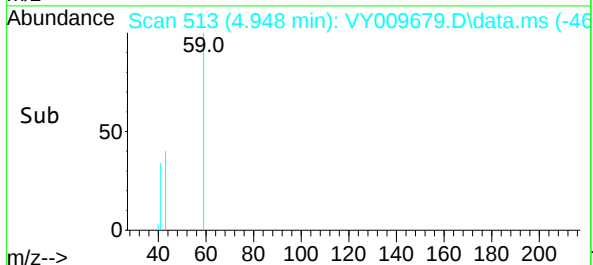
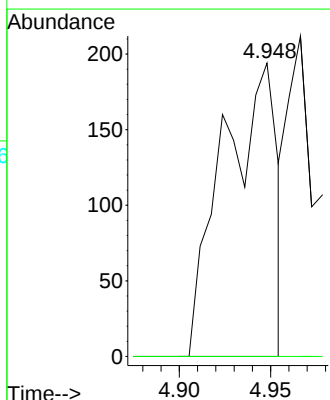
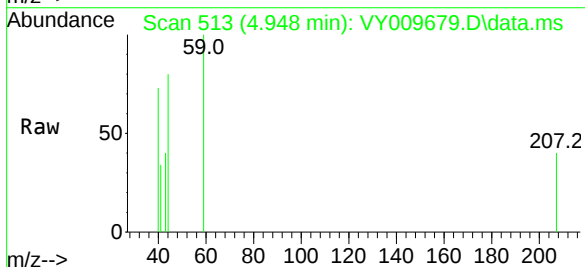
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(14.5-15)

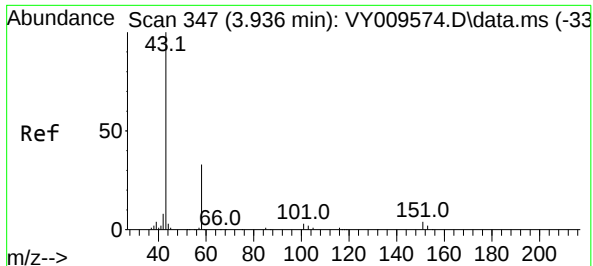
Tgt Ion:168 Resp: 124665
Ion Ratio Lower Upper
168 100
99 50.4 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

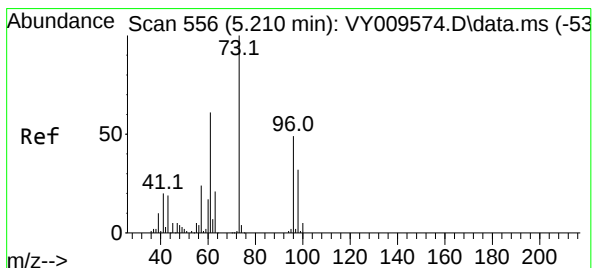
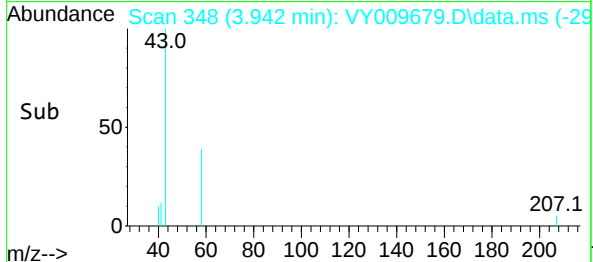
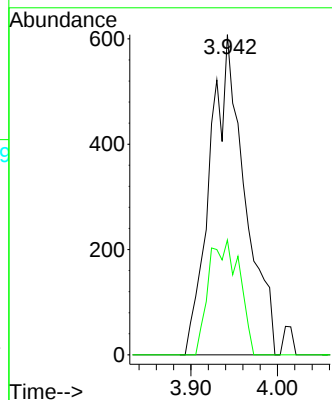
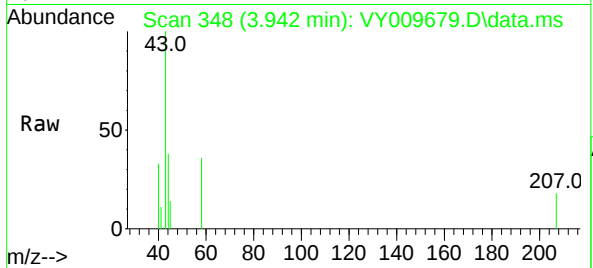




#16
Acetone
Concen: 5.706 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

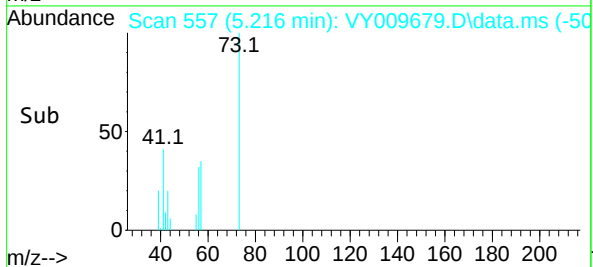
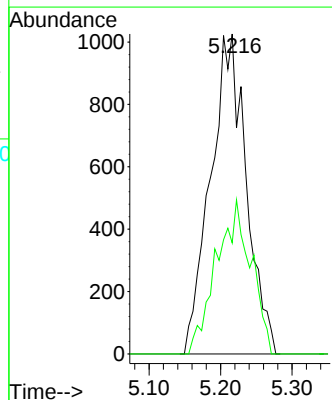
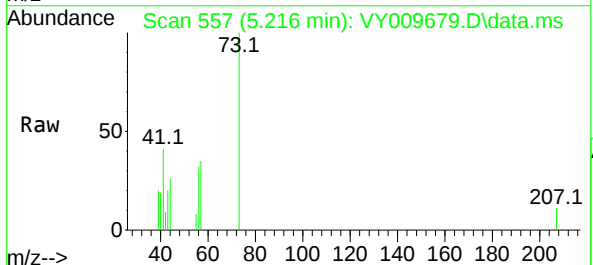
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(14.5-15)

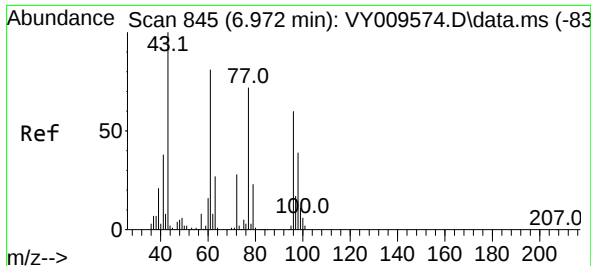
Tgt Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
58 35.9 22.0 33.0#



#19
Methyl tert-butyl Ether
Concen: 1.179 ug/l
RT: 5.216 min Scan# 557
Delta R.T. 0.006 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

Tgt Ion: 73 Resp: 3563
Ion Ratio Lower Upper
73 100
57 34.7 18.6 27.8#

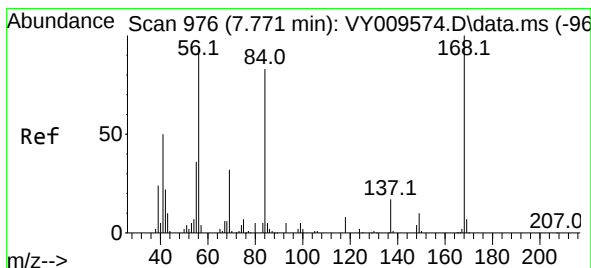
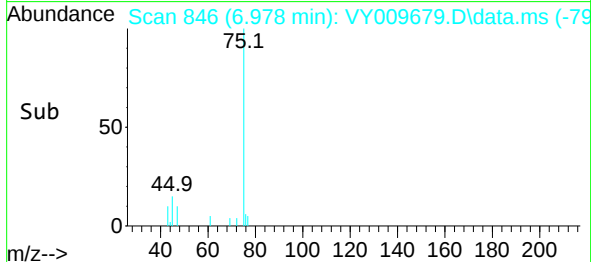
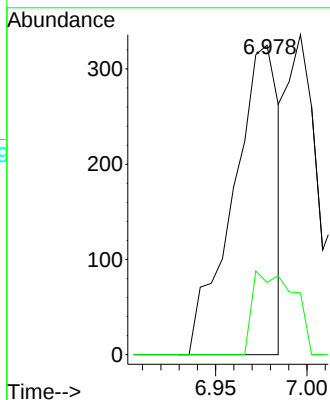
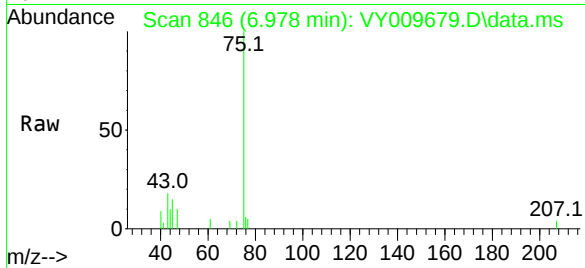




#25
2-Butanone
Concen: 1.303 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

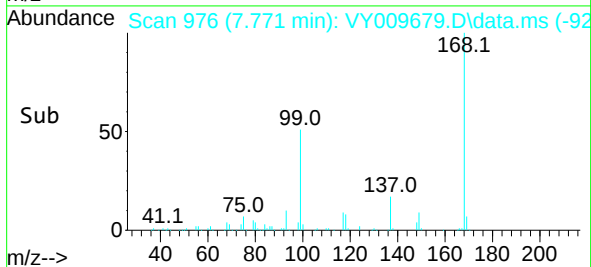
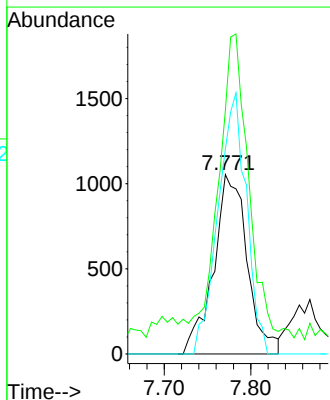
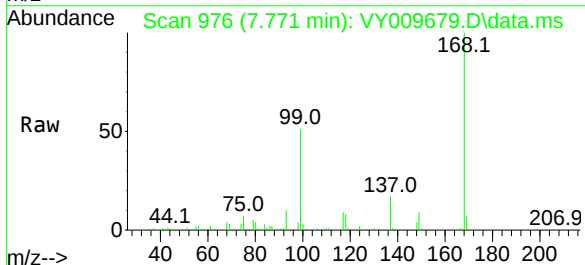
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(14.5-15)

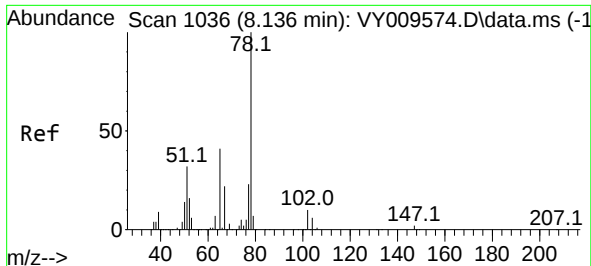
Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
72 23.4 17.7 26.5



#31
Cyclohexane
Concen: 1.372 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.000 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

Tgt Ion: 56 Resp: 2852
Ion Ratio Lower Upper
56 100
69 123.4 26.7 40.1#
84 114.5 67.2 100.8#

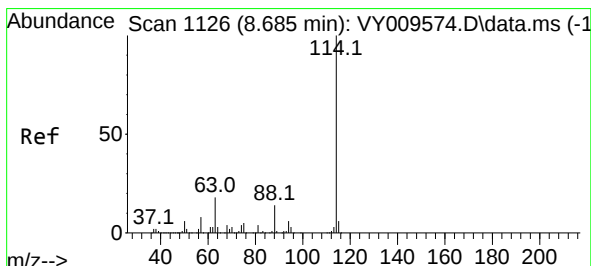
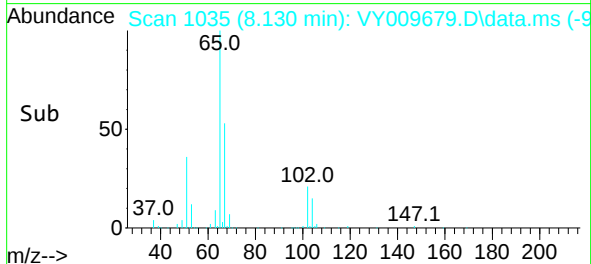
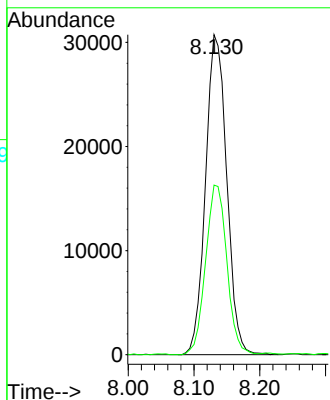
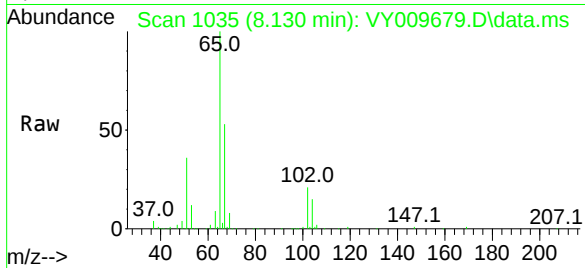




#33
 1,2-Dichloroethane-d4
 Concen: 58.494 ug/l
 RT: 8.130 min Scan# 1035
 Delta R.T. -0.006 min
 Lab File: VY009679.D
 Acq: 25 Jul 2022 12:16

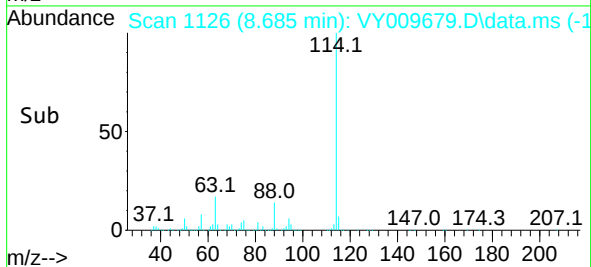
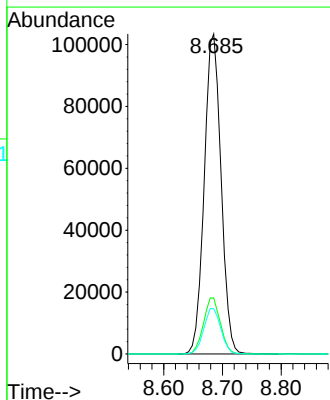
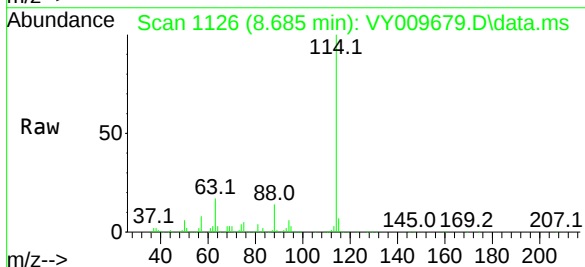
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 DL-1(14.5-15)

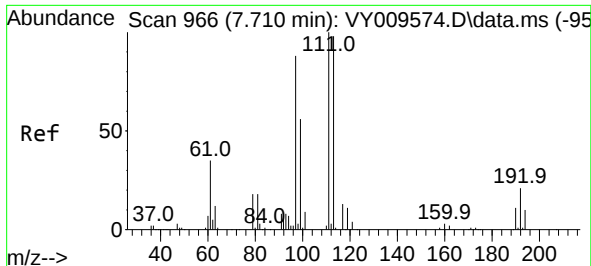
Tgt Ion: 65 Resp: 68966
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY009679.D
 Acq: 25 Jul 2022 12:16

Tgt Ion: 114 Resp: 205511
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 43.2
 88 14.1 0.0 31.8

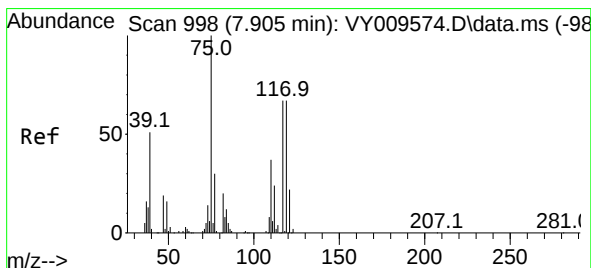
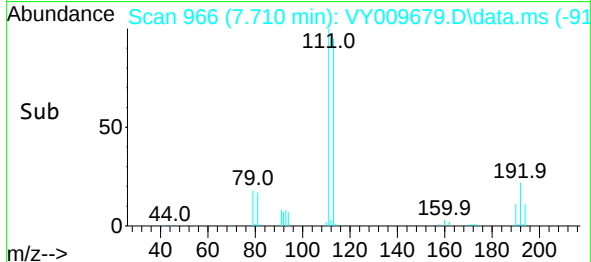
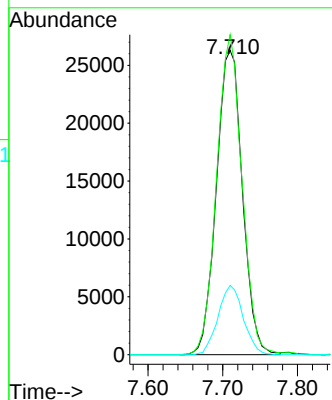
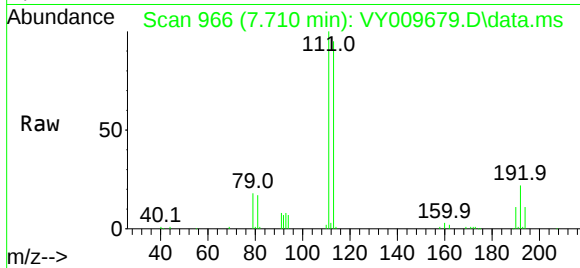




#35
Dibromofluoromethane
Concen: 49.240 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

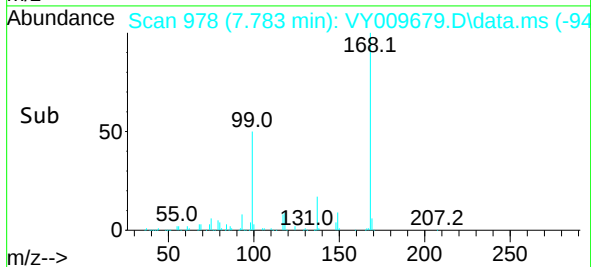
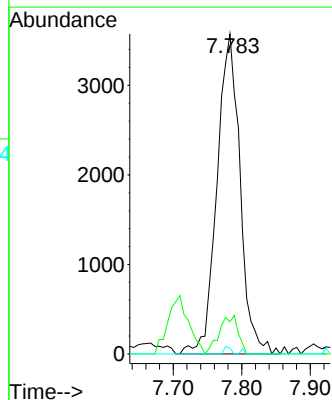
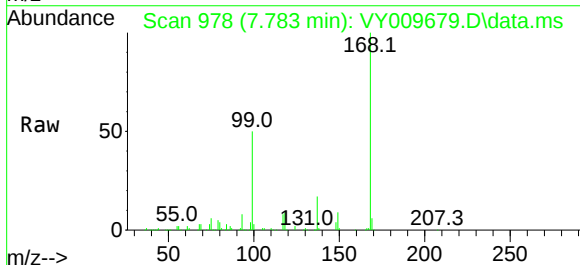
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ClientSampleId :
DL-1(14.5-15)

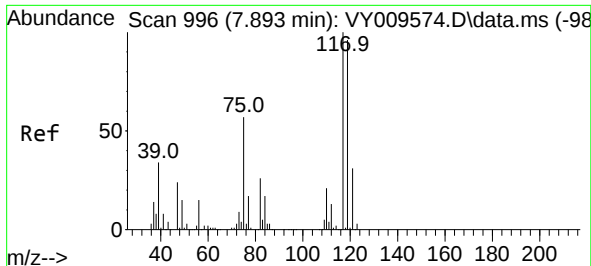
Tgt Ion:113 Resp: 63751
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 22.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.373 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

Tgt Ion: 75 Resp: 8367
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.7 24.4 36.6#

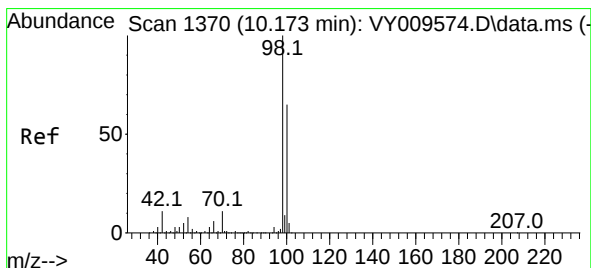
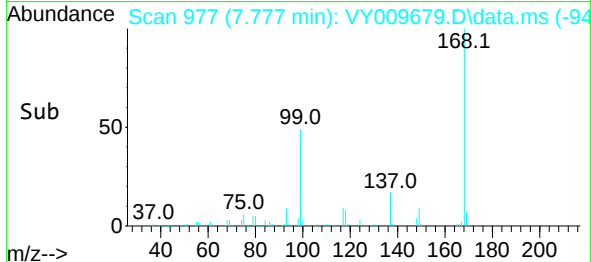
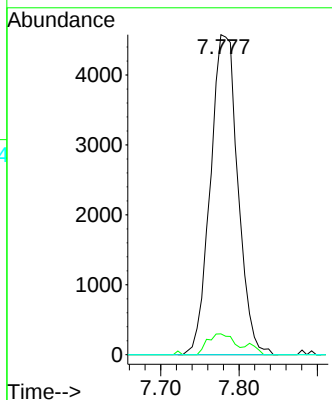
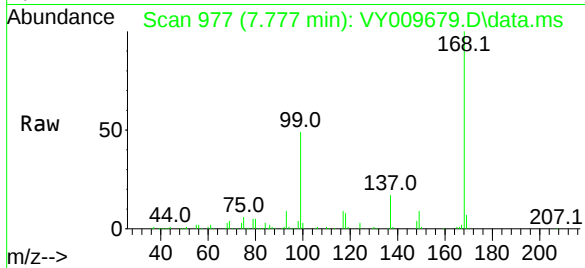




#38
Carbon Tetrachloride
Concen: 5.572 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

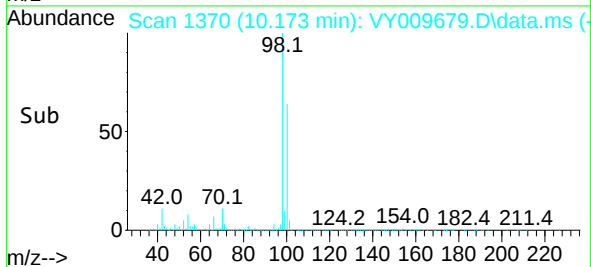
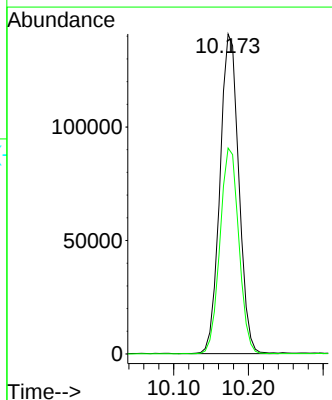
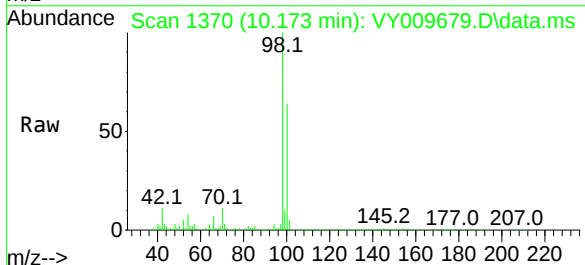
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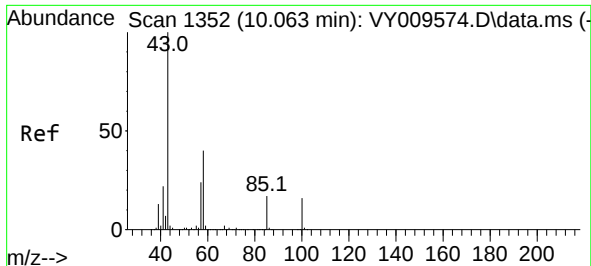
Tgt Ion:117 Resp: 11160
Ion Ratio Lower Upper
117 100
119 6.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.508 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

Tgt Ion: 98 Resp: 246416
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

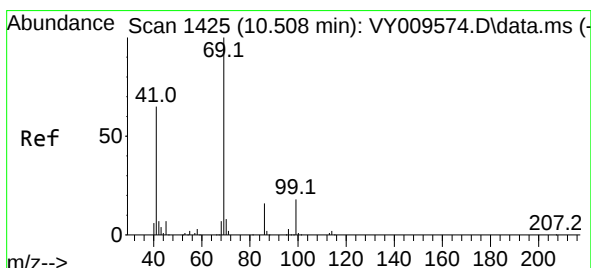
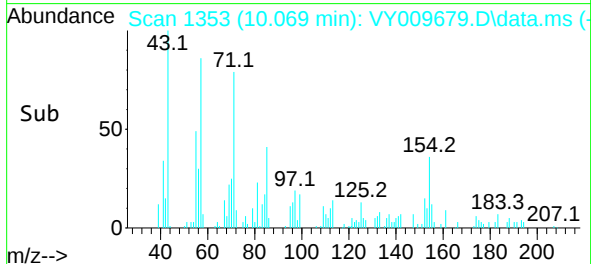
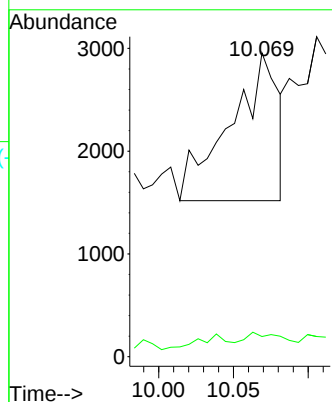
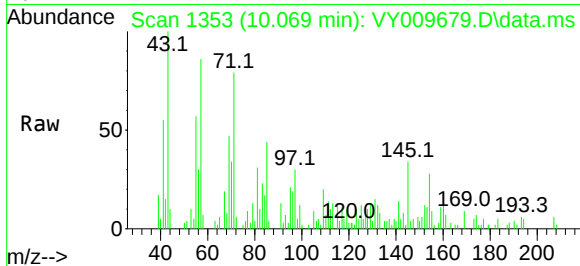




#51
4-Methyl-2-Pentanone
Concen: 3.183 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

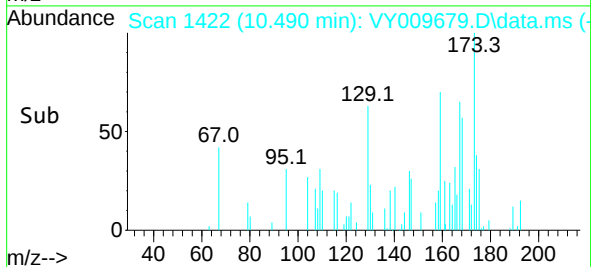
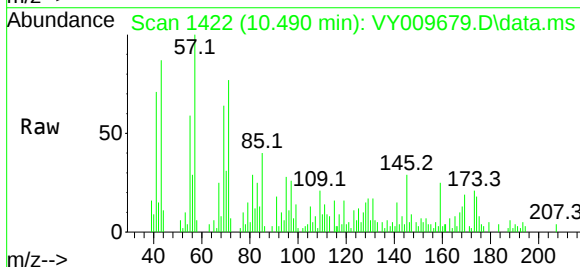
Instrument :
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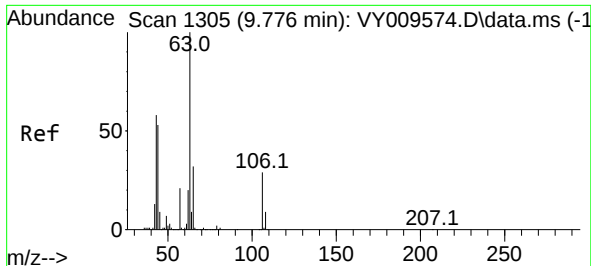
Tgt Ion: 43 Resp: 3225
Ion Ratio Lower Upper
43 100
58 6.1 28.1 42.1#



#56
Ethyl methacrylate
Concen: 1.256 ug/l
RT: 10.490 min Scan# 1422
Delta R.T. -0.018 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

Tgt Ion: 69 Resp: 1806
Ion Ratio Lower Upper
69 100
41 0.0 63.4 95.0#
39 0.0 35.8 53.8#





#58

2-Chloroethyl Vinyl ether

Concen: 28.349 ug/l

RT: 9.752 min Scan# 11

Delta R.T. -0.024 min

Lab File: VY009679.D

Acq: 25 Jul 2022 12:16

Instrument :

MSVOA_Y

ClientSampleId :

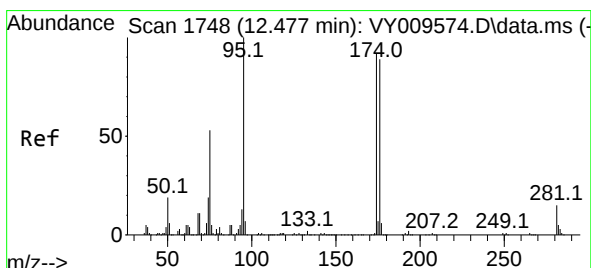
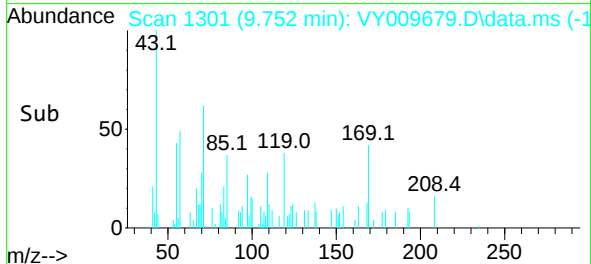
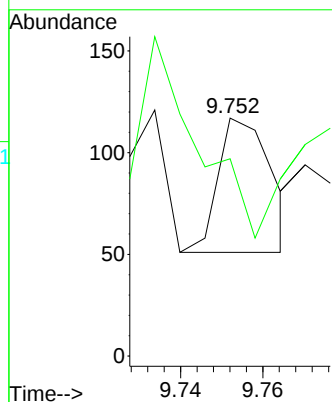
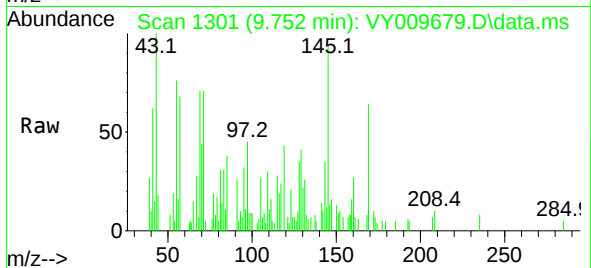
DL-1(14.5-15)

Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

63 100

106 0.0 21.5 32.3#



#62

4-Bromofluorobenzene

Concen: 55.970 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY009679.D

Acq: 25 Jul 2022 12:16

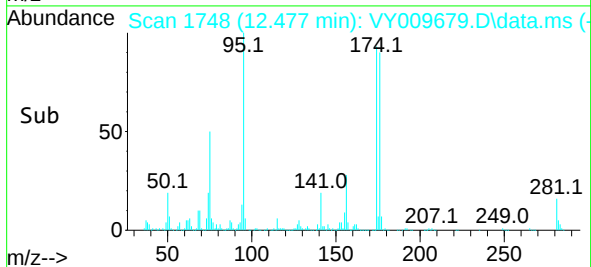
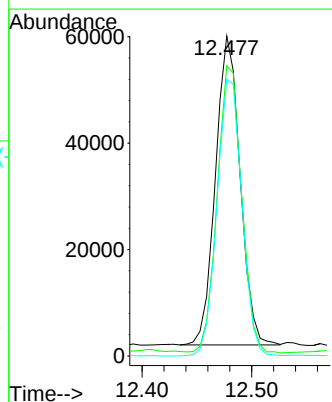
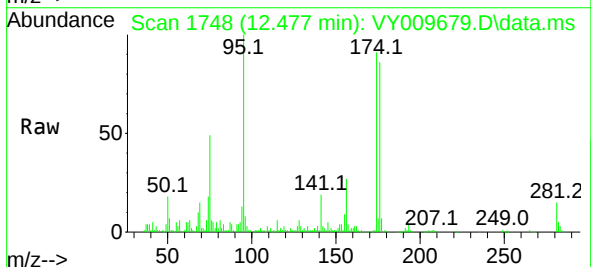
Tgt Ion: 95 Resp: 90267

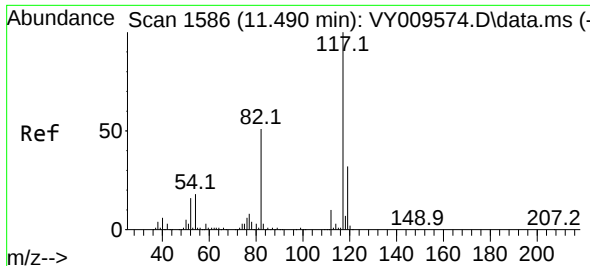
Ion Ratio Lower Upper

95 100

174 92.4 0.0 177.0

176 91.1 0.0 175.8

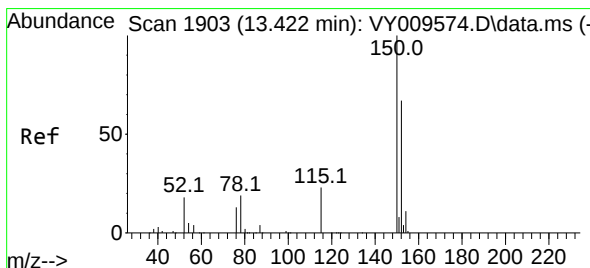
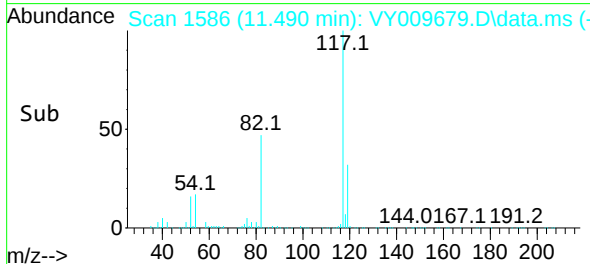
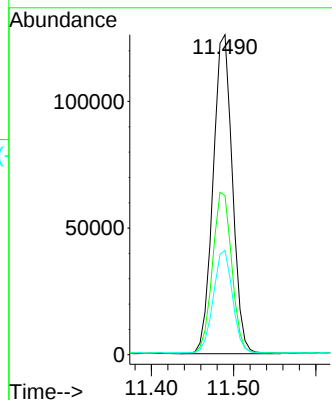
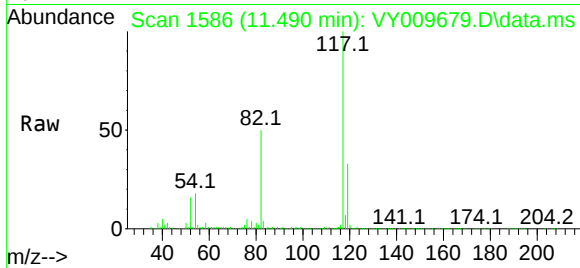




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

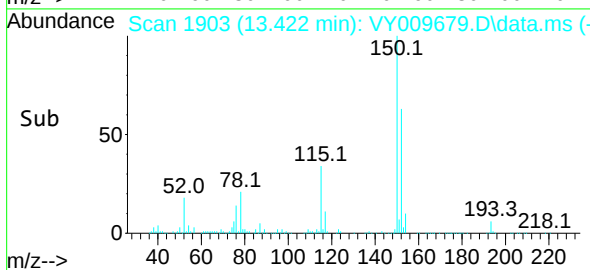
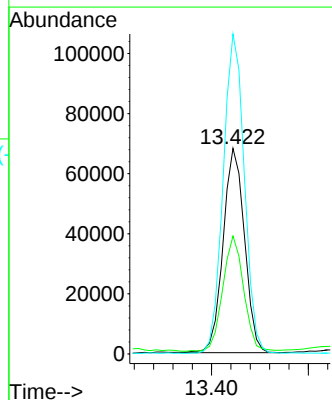
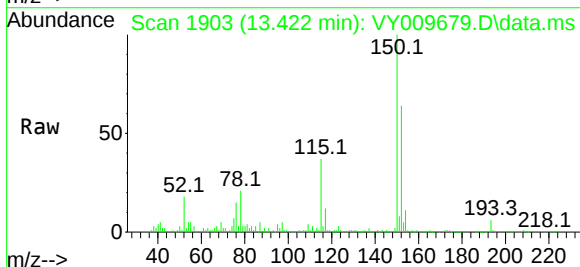
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(14.5-15)

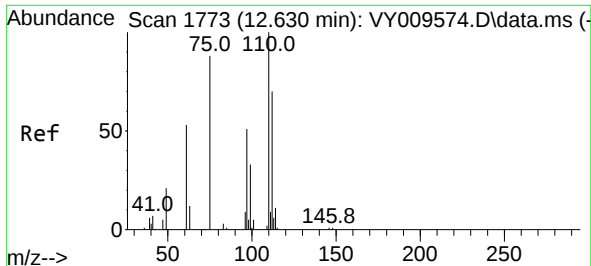
Tgt Ion:117 Resp: 206087
Ion Ratio Lower Upper
117 100
82 49.4 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

Tgt Ion:152 Resp: 104437
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 154.2 0.0 347.6

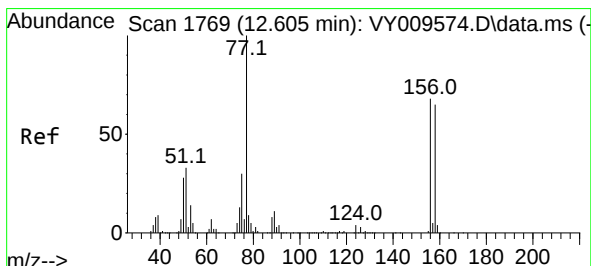
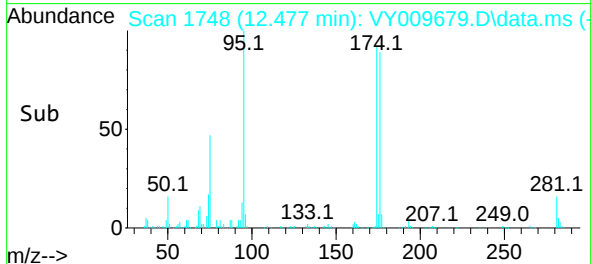
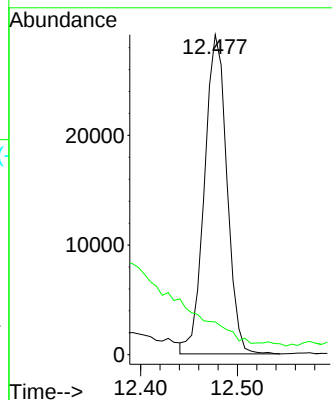
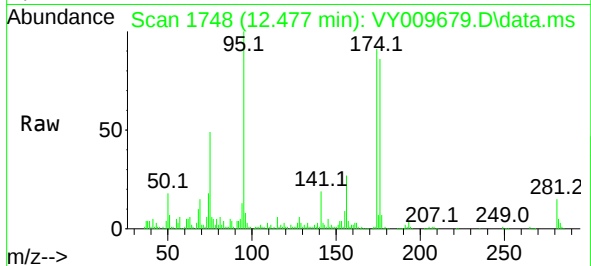




#76
1,2,3-Trichloropropane
Concen: 47.232 ug/l
RT: 12.477 min Scan# 1732
Delta R.T. -0.152 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

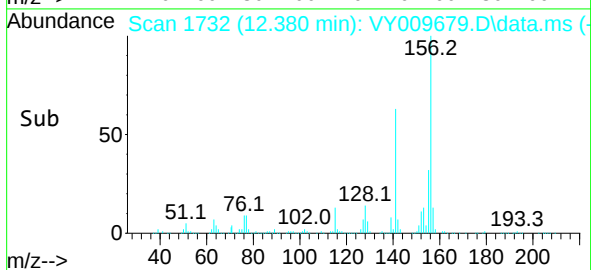
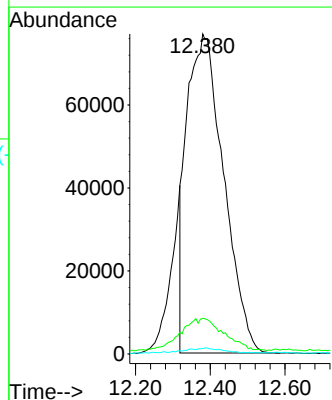
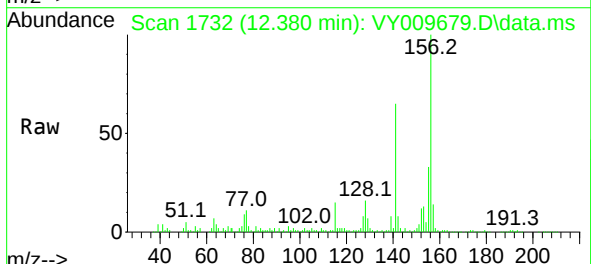
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(14.5-15)

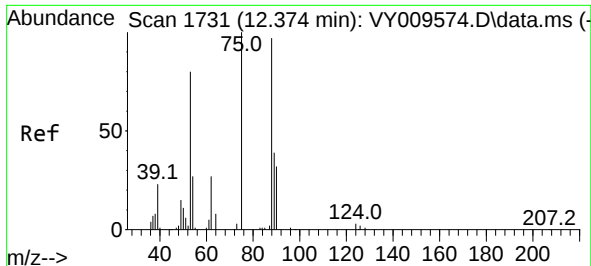
Tgt Ion: 75 Resp: 46990
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 288.860 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. -0.226 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

Tgt Ion: 156 Resp: 525240
Ion Ratio Lower Upper
156 100
77 0.0 95.5 286.4#
158 0.0 48.0 144.0#

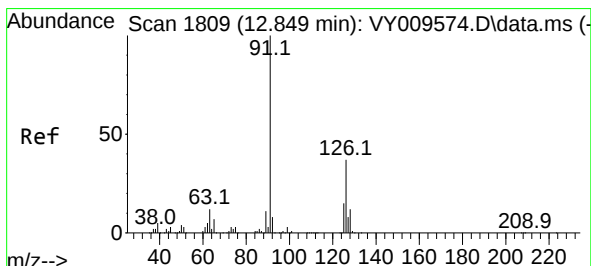
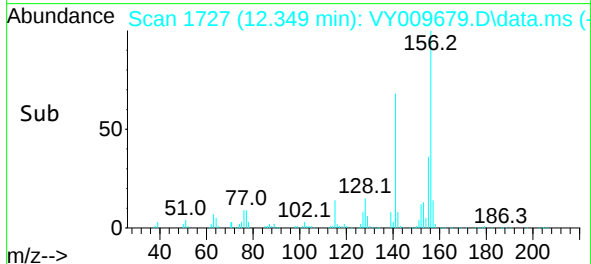
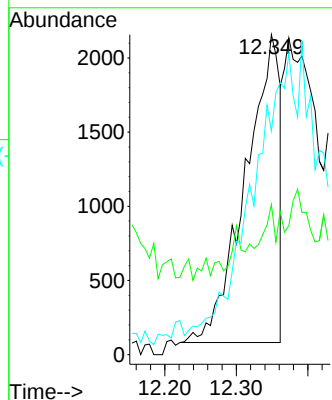
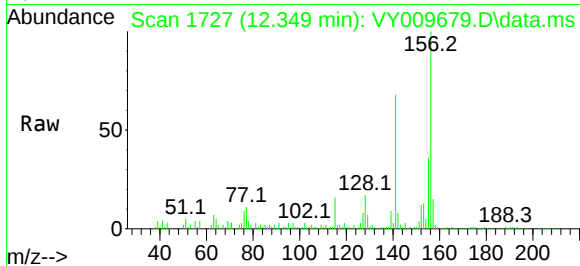




#81
trans-1,4-Dichloro-2-butene
Concen: 13.671 ug/l
RT: 12.349 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

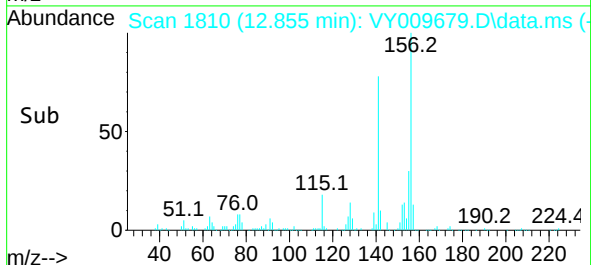
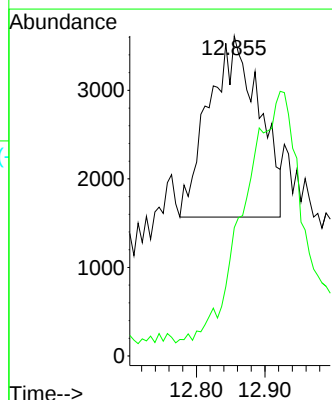
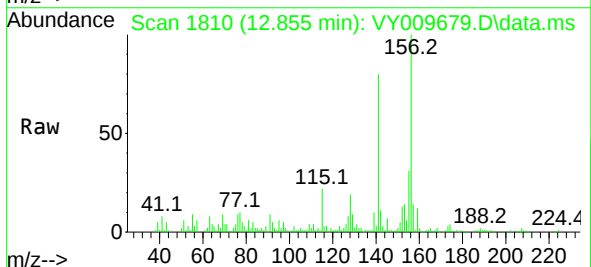
Instrument :
MSVOA_Y
ClientSampleId :
DL-1(14.5-15)

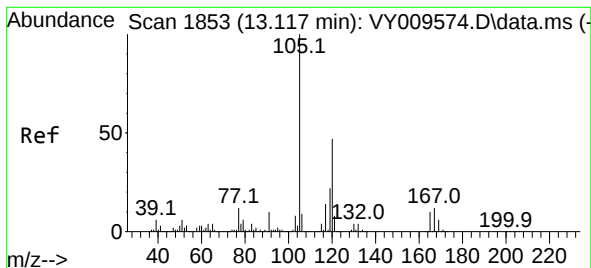
Tgt Ion: 75 Resp: 6898
Ion Ratio Lower Upper
75 100
53 8.5 85.3 127.9#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 2.073 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VY009679.D
Acq: 25 Jul 2022 12:16

Tgt Ion: 91 Resp: 10420
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.748 ug/l

RT: 13.117 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009679.D

Acq: 25 Jul 2022 12:16

Instrument :

MSVOA_Y

ClientSampleId :

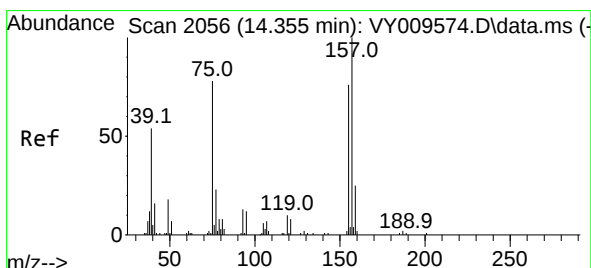
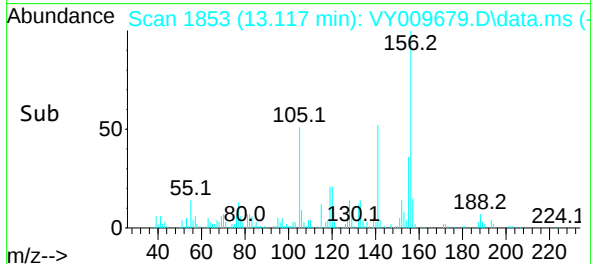
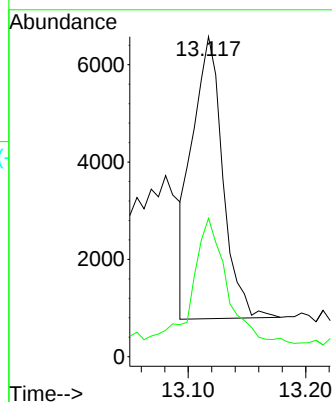
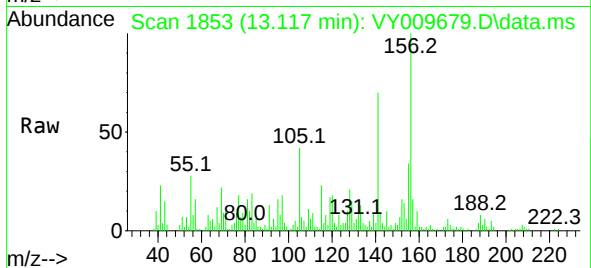
DL-1(14.5-15)

Tgt Ion:105 Resp: 10445

Ion Ratio Lower Upper

105 100

120 53.0 22.3 66.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.697 ug/l

RT: 14.513 min Scan# 2082

Delta R.T. 0.158 min

Lab File: VY009679.D

Acq: 25 Jul 2022 12:16

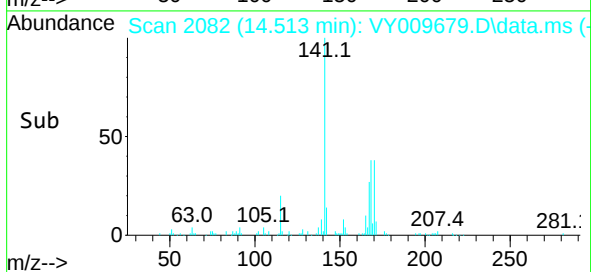
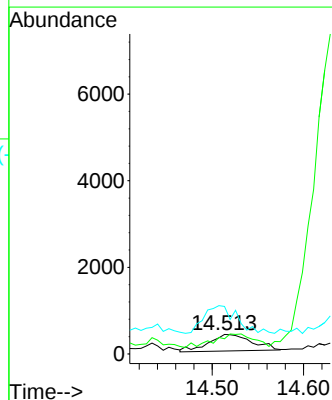
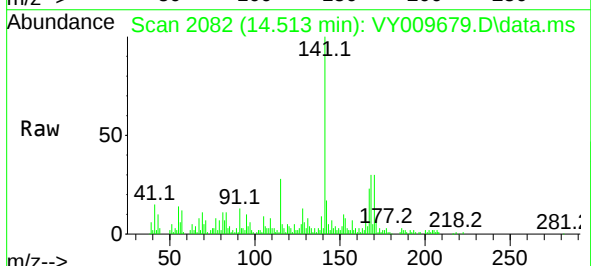
Tgt Ion: 75 Resp: 1255

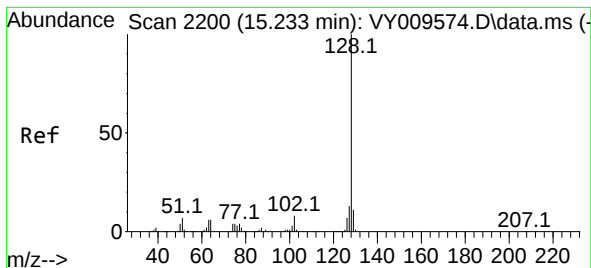
Ion Ratio Lower Upper

75 100

155 75.8 38.0 113.9

157 141.5 47.8 143.3





#95

Naphthalene

Concen: 6.278 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY009679.D

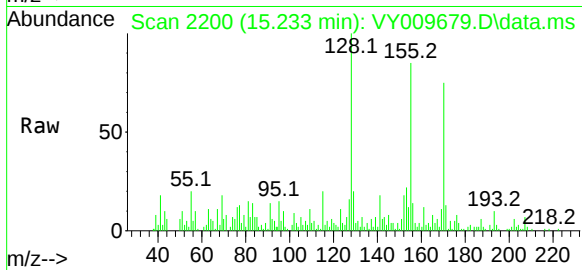
Acq: 25 Jul 2022 12:16

Instrument :

MSVOA_Y

ClientSampleId :

DL-1(14.5-15)



Tgt Ion:128 Resp: 23638

Ion Ratio Lower Upper

128 100

127 13.3 11.0 16.4

129 9.6 8.4 12.6

