

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070622\
 Data File : VY009456.D
 Acq On : 06 Jul 2022 16:05
 Operator : KP/MD
 Sample : N3584-05
 Misc : 4.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-21199

Quant Time: Jul 07 01:50:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

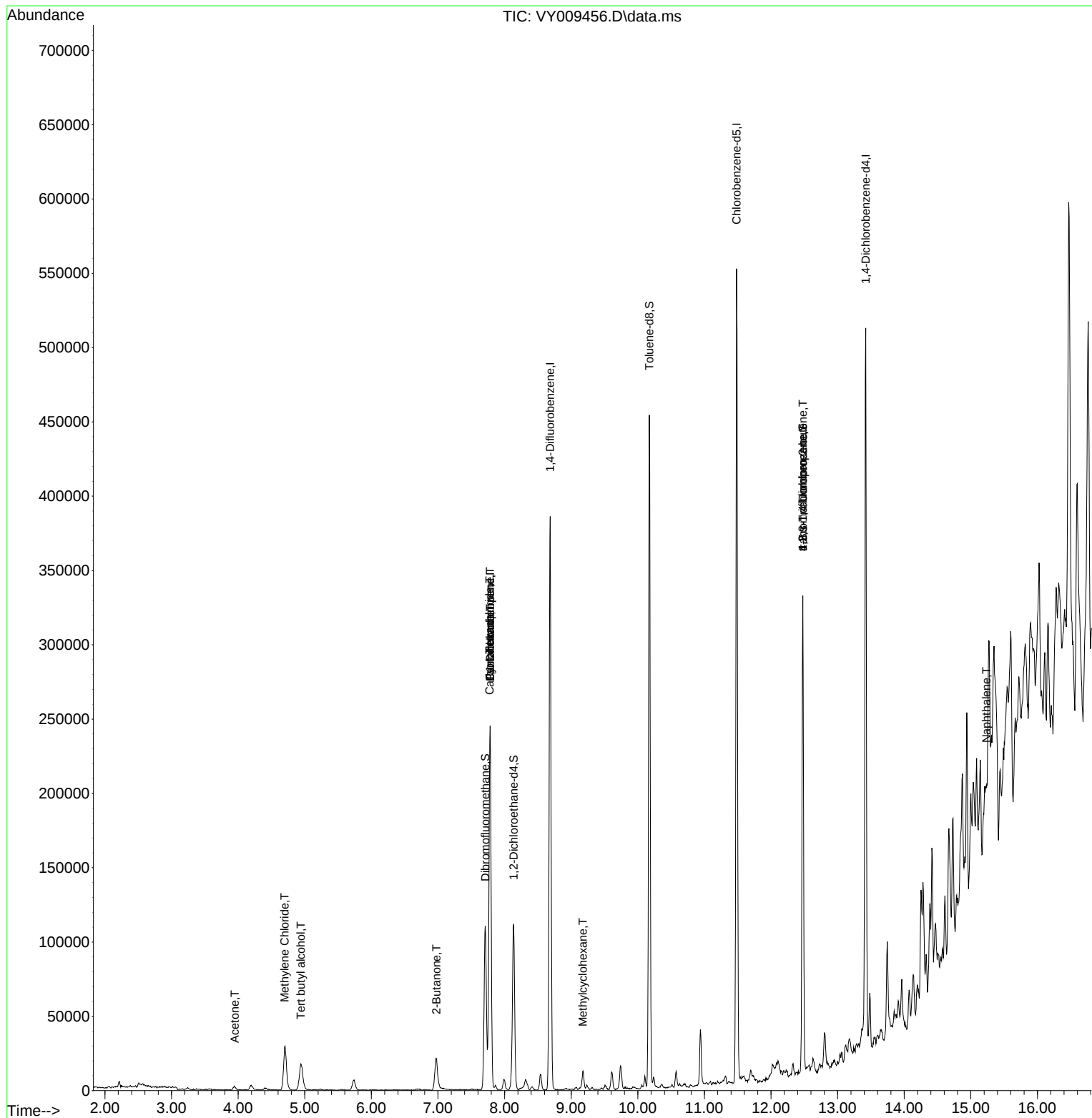
Internal Standards						
1) Pentafluorobenzene	7.783	168	192550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	295338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83043	53.845	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.700%	
35) Dibromofluoromethane	7.710	113	76498	42.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 84.960%	
50) Toluene-d8	10.173	98	288543	52.256	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 104.520%	
62) 4-Bromofluorobenzene	12.477	95	94086	35.927	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 71.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	34178	108.933	ug/l #	92
16) Acetone	3.948	43	3891	7.682	ug/l #	88
18) Methyl Acetate	4.454	43	319	Below Cal	#	56
20) Methylene Chloride	4.698	84	21053	2.206	ug/l	85
25) 2-Butanone	6.978	43	1422	1.771	ug/l #	77
31) Cyclohexane	7.783	56	5712	1.647	ug/l #	38
36) 1,1-Dichloropropene	7.783	75	14489	4.601	ug/l #	52
38) Carbon Tetrachloride	7.777	117	17916	5.443	ug/l #	16
39) Methylcyclohexane	9.173	83	4060	1.089	ug/l #	81
76) 1,2,3-Trichloropropane	12.477	75	46585	32.482	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46585	72.321	ug/l #	7
95) Naphthalene	15.233	128	18277	3.980	ug/l #	89

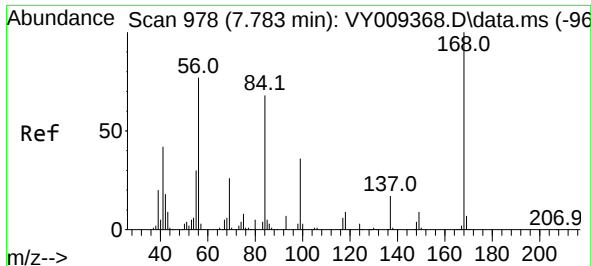
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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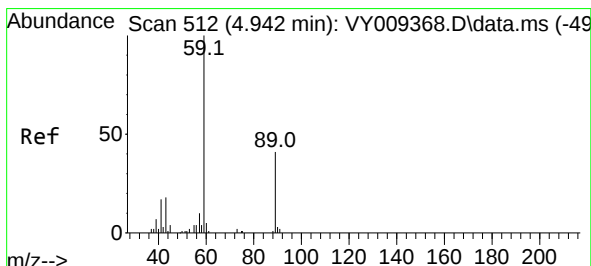
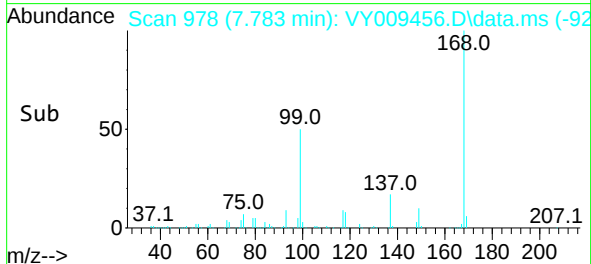
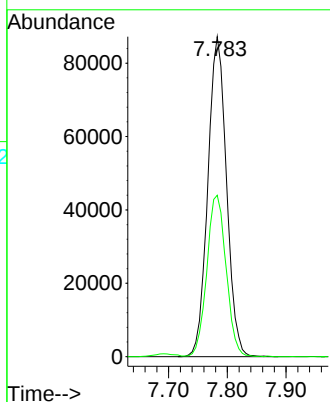
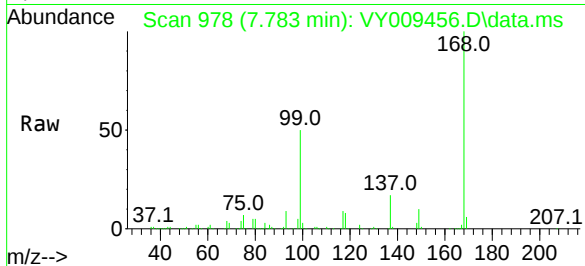




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

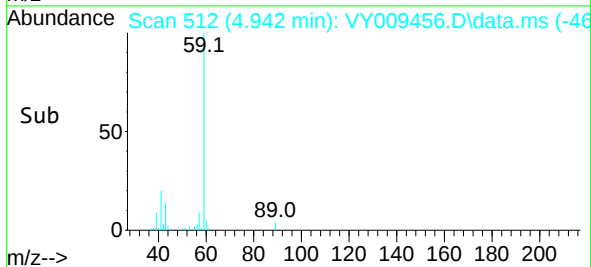
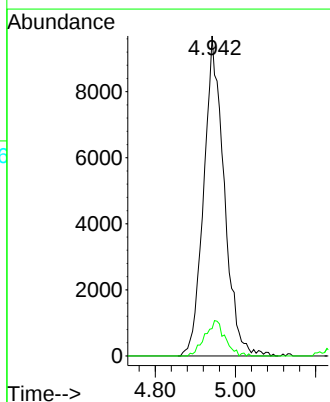
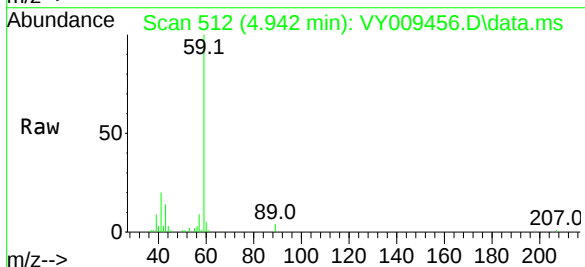
Instrument :
MSVOA_Y
ClientSampleId :
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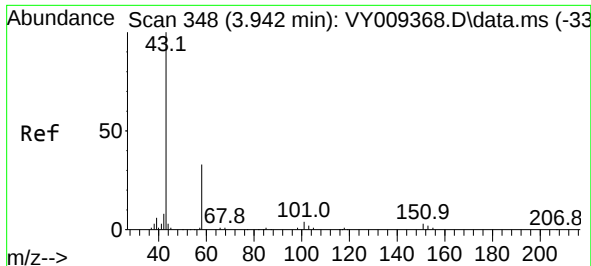
Tgt Ion:168 Resp: 192550
Ion Ratio Lower Upper
168 100
99 50.5 46.9 70.3



#11
Tert butyl alcohol
Concen: 108.933 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

Tgt Ion: 59 Resp: 34178
Ion Ratio Lower Upper
59 100
57 10.8 6.4 9.6#

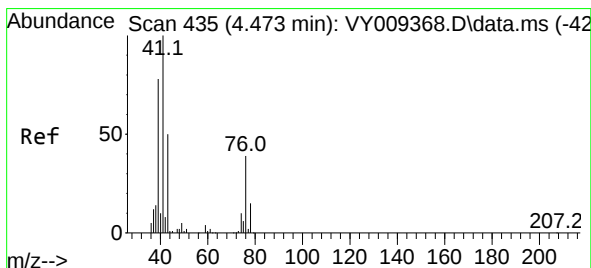
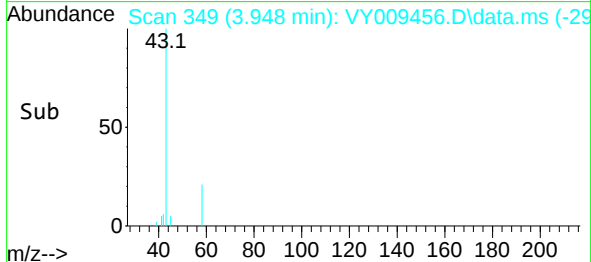
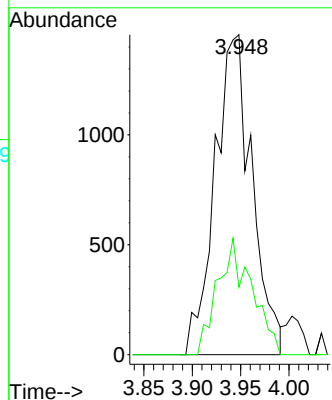
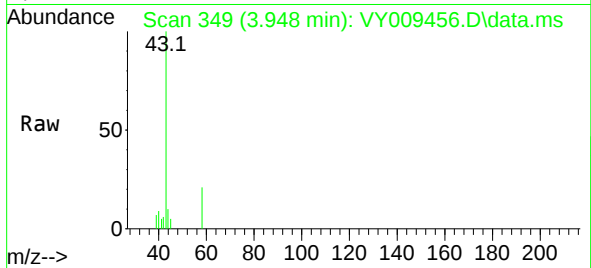




#16
Acetone
Concen: 7.682 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

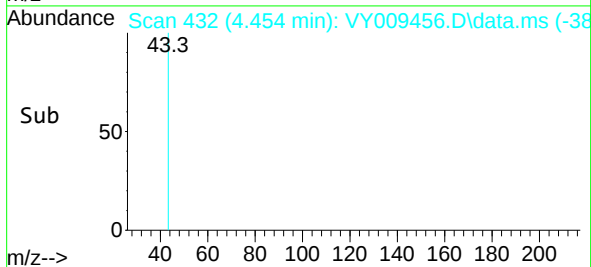
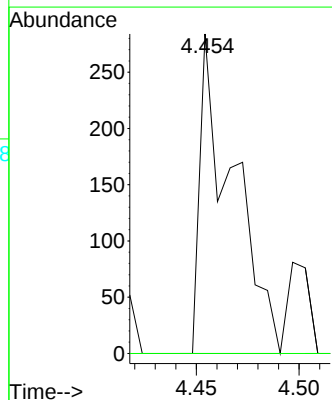
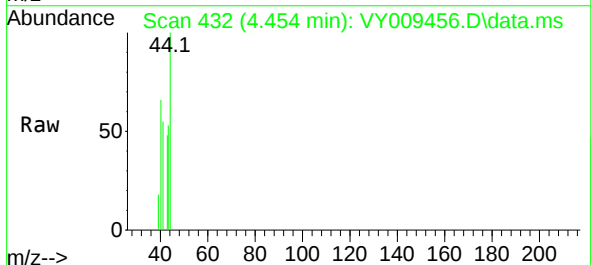
Instrument :
MSVOA_Y
ClientSampleId :
RB-21199

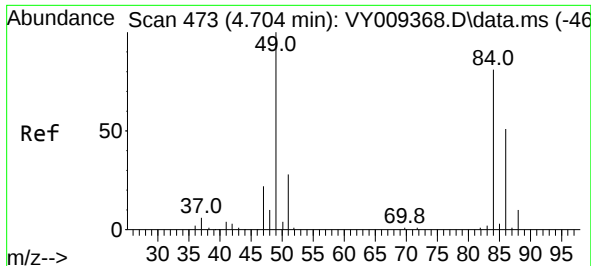
Tgt Ion: 43 Resp: 3891
Ion Ratio Lower Upper
43 100
58 21.1 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.454 min Scan# 432
Delta R.T. -0.019 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



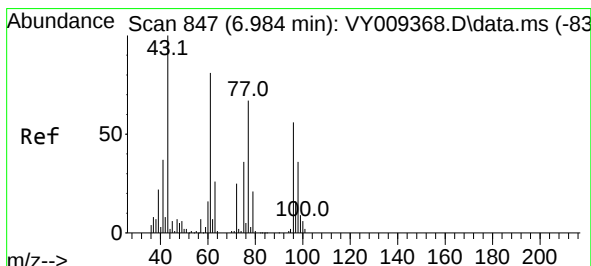
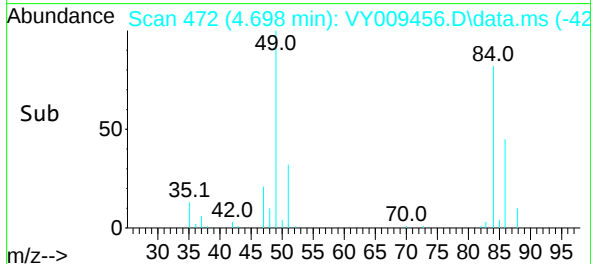
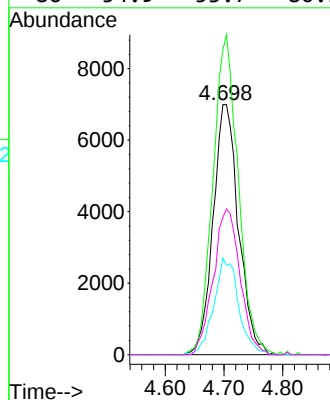
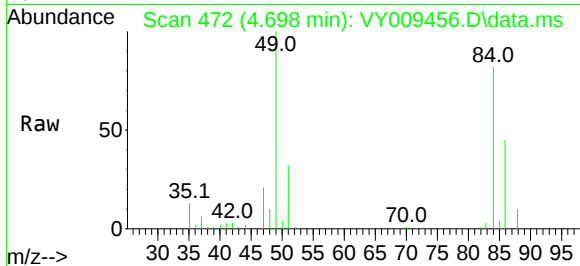


#20
Methylene Chloride
Concen: 2.206 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

Instrument :
MSVOA_Y
ClientSampleId :
RB-21199

Tgt Ion: 84 Resp: 21053

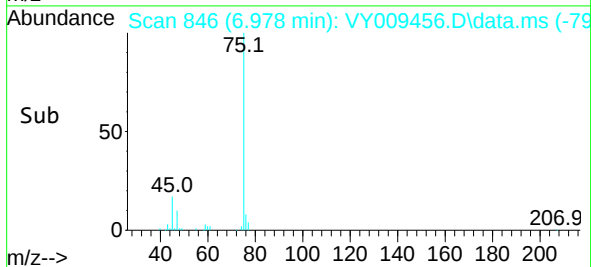
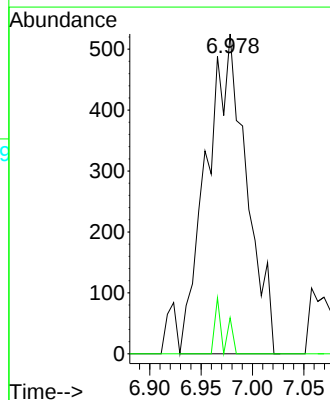
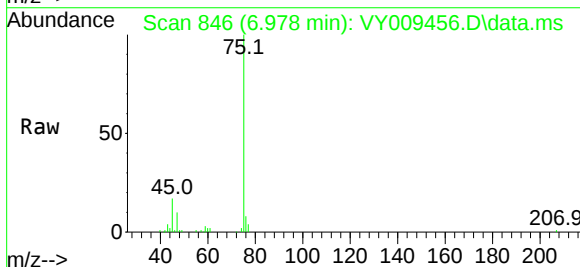
Ion	Ratio	Lower	Upper
84	100		
49	121.9	114.4	171.6
51	38.6	35.3	52.9
86	54.9	53.7	80.5

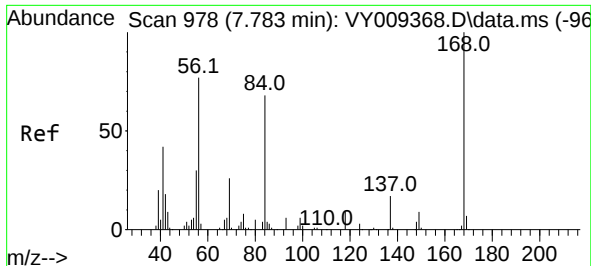


#25
2-Butanone
Concen: 1.771 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

Tgt Ion: 43 Resp: 1422

Ion	Ratio	Lower	Upper
43	100		
72	11.2	17.7	26.5

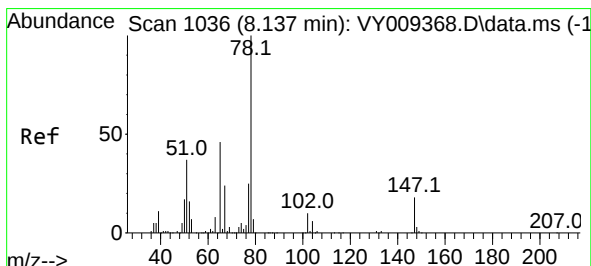
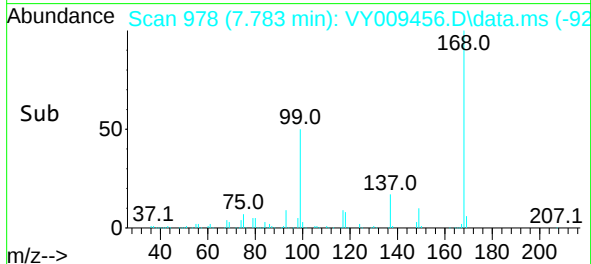
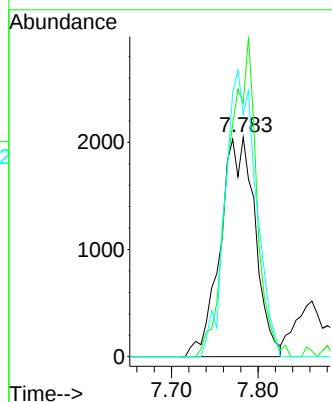
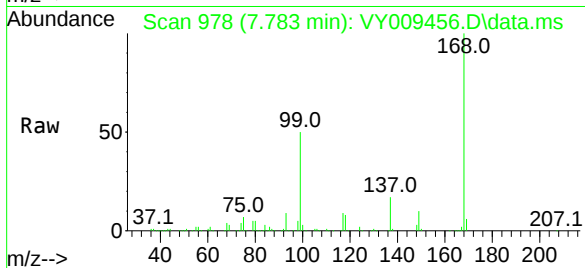




#31
Cyclohexane
Concen: 1.647 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

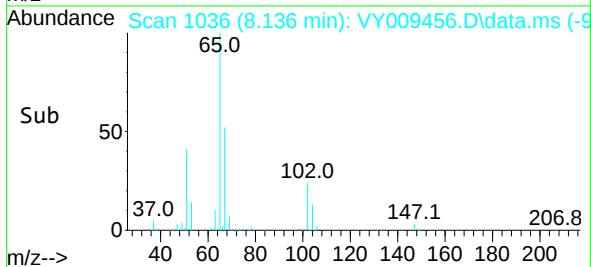
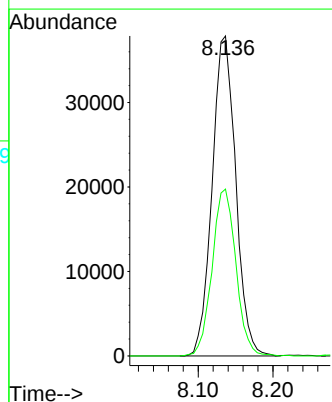
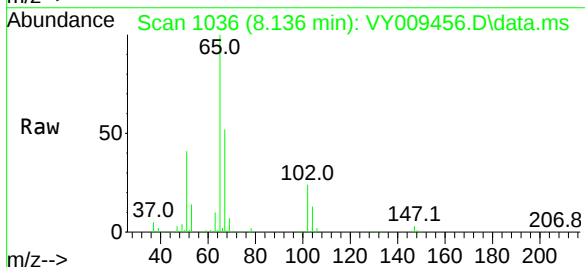
Instrument :
MSVOA_Y
ClientSampleId :
RB-21199

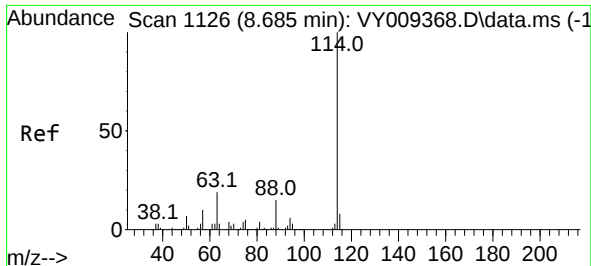
Tgt Ion: 56 Resp: 5712
Ion Ratio Lower Upper
56 100
69 115.6 26.7 40.1#
84 110.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 53.845 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

Tgt Ion: 65 Resp: 83043
Ion Ratio Lower Upper
65 100
67 52.5 0.0 99.4

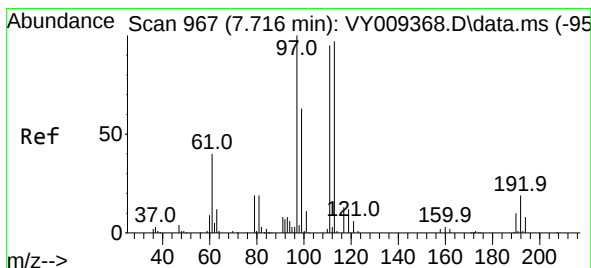
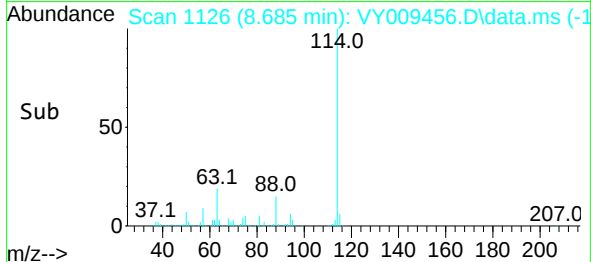
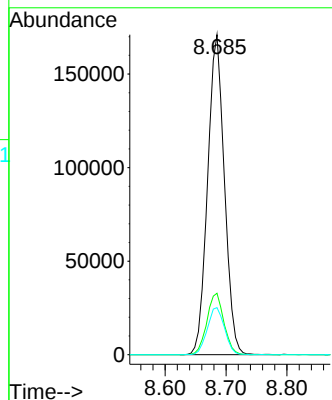
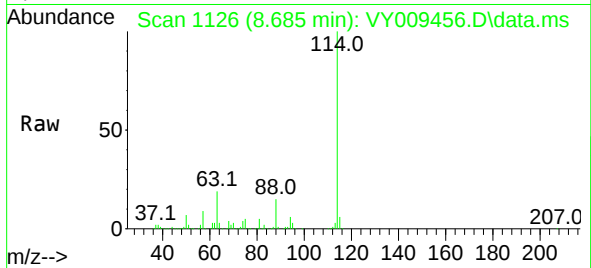




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

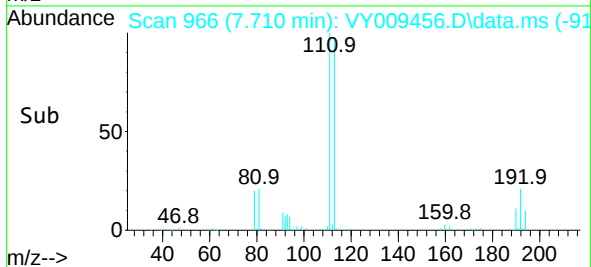
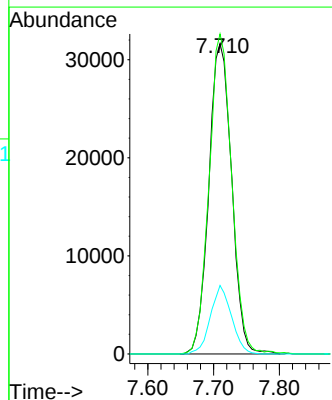
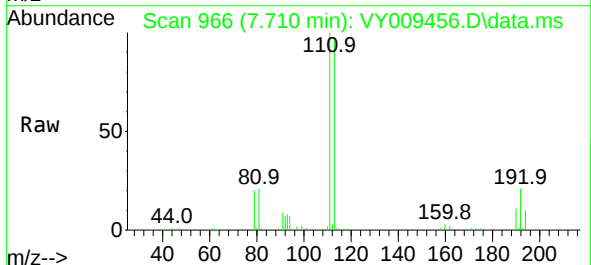
Instrument :
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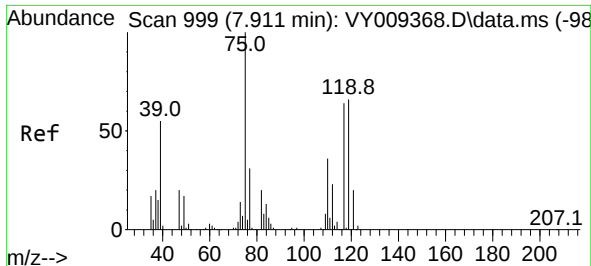
Tgt Ion:114 Resp: 327221
Ion Ratio Lower Upper
114 100
63 19.2 0.0 43.2
88 14.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 42.477 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

Tgt Ion:113 Resp: 76498
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 20.4 17.6 26.4

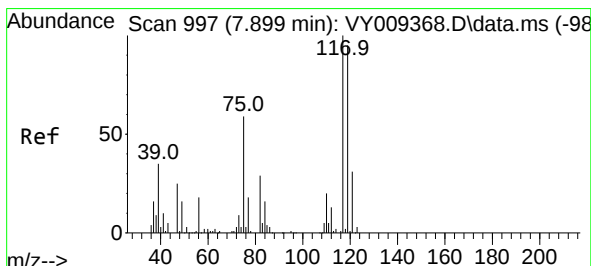
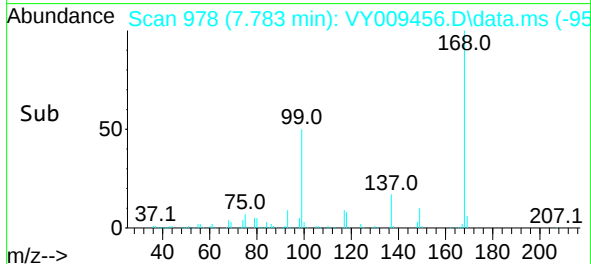
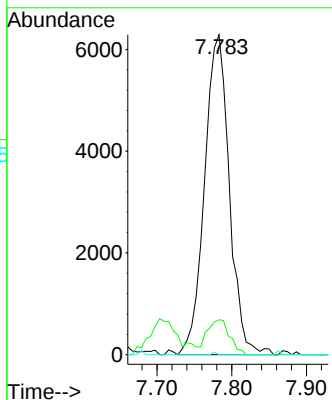
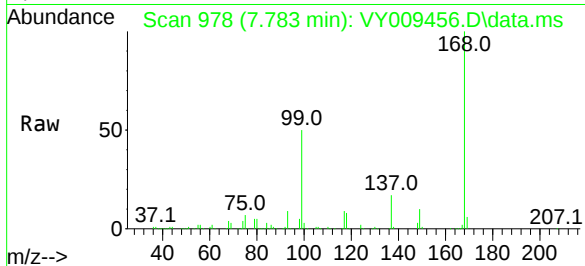




#36
 1,1-Dichloropropene
 Concen: 4.601 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY009456.D
 Acq: 06 Jul 2022 16:05

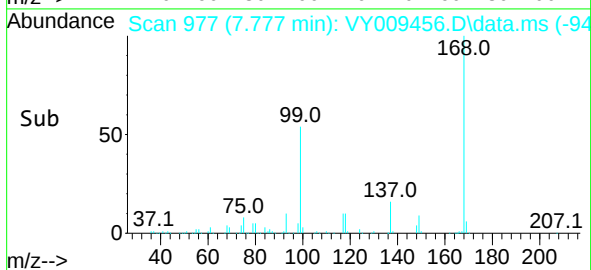
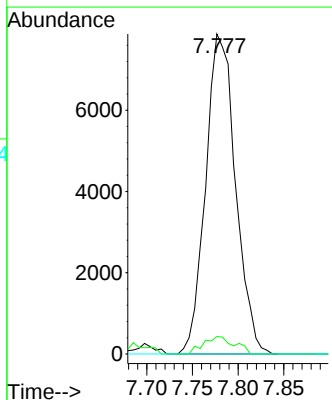
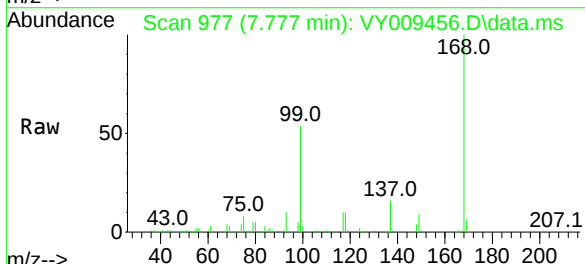
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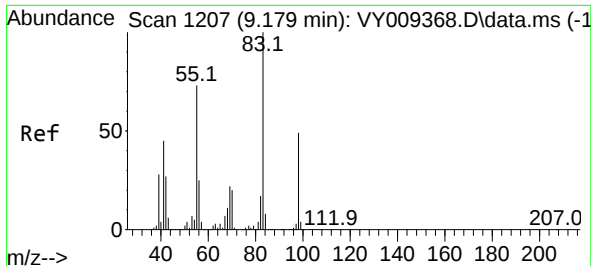
Tgt Ion: 75 Resp: 14489
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.443 ug/l
 RT: 7.777 min Scan# 977
 Delta R.T. -0.116 min
 Lab File: VY009456.D
 Acq: 06 Jul 2022 16:05

Tgt Ion: 117 Resp: 17916
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.9 116.9#
 121 0.0 24.8 37.2#

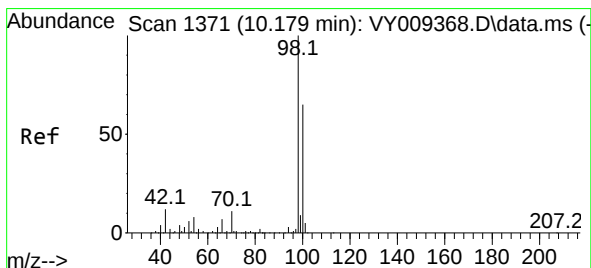
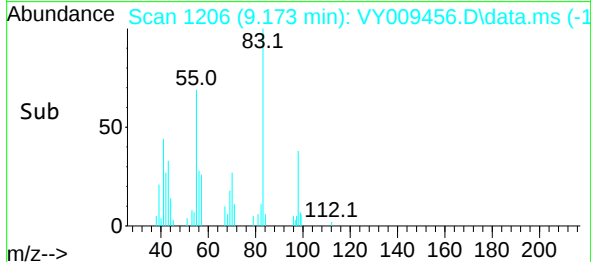
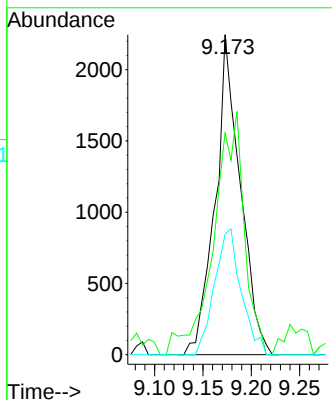
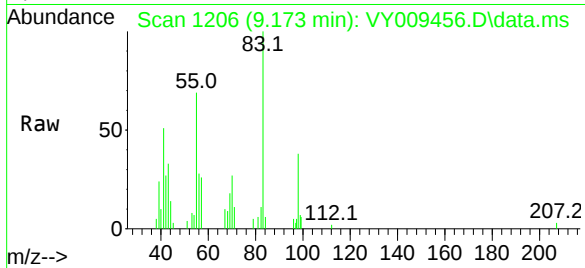




#39
Methylcyclohexane
Concen: 1.089 ug/l
RT: 9.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

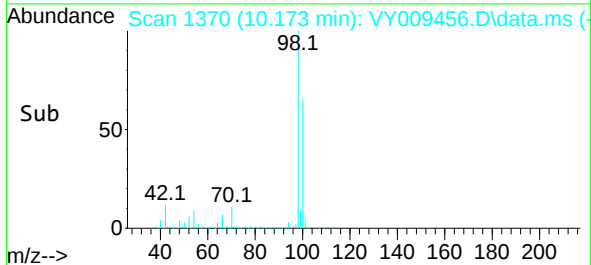
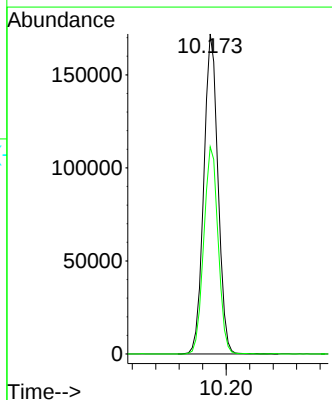
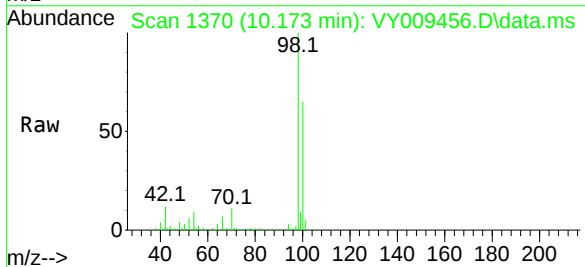
Instrument :
MSVOA_Y
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RB-21199

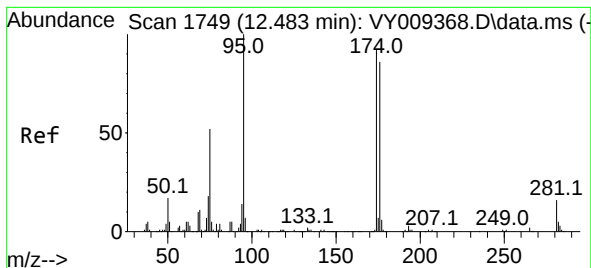
Tgt Ion: 83 Resp: 4060
Ion Ratio Lower Upper
83 100
55 64.2 66.5 99.7#
98 37.7 37.9 56.9#



#50
Toluene-d8
Concen: 52.256 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

Tgt Ion: 98 Resp: 288543
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2

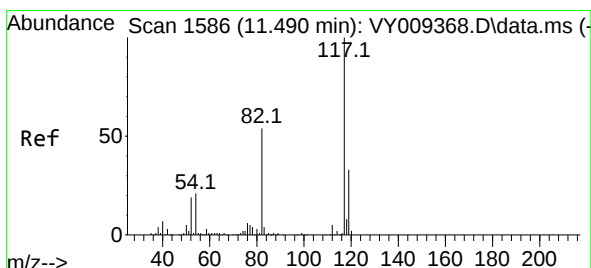
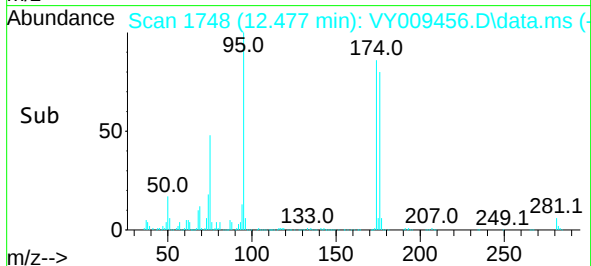
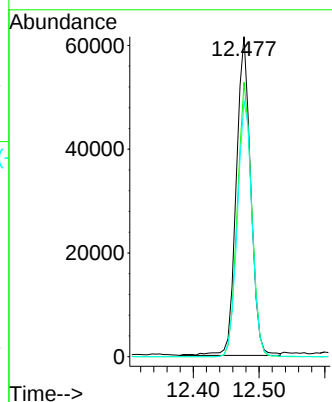
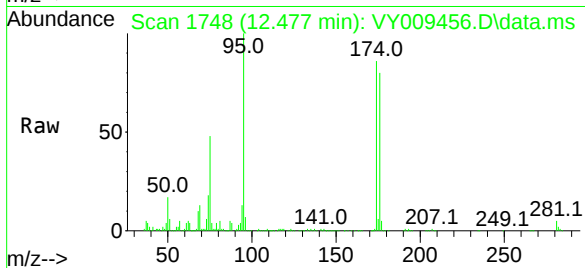




#62
4-Bromofluorobenzene
Concen: 35.927 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

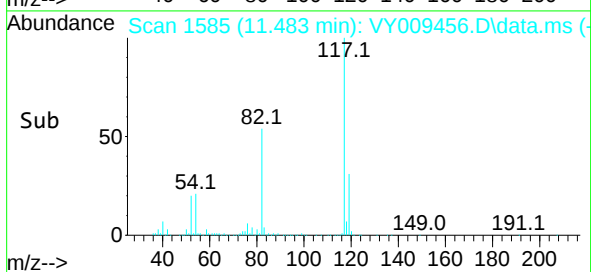
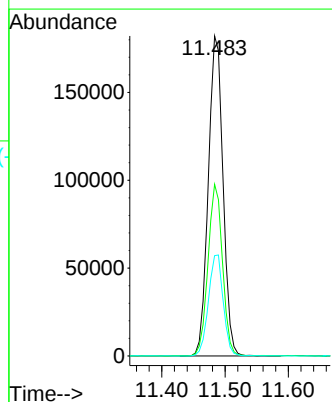
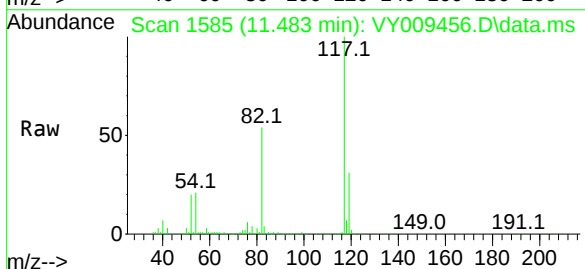
Instrument :
MSVOA_Y
ClientSampleId :
RB-21199

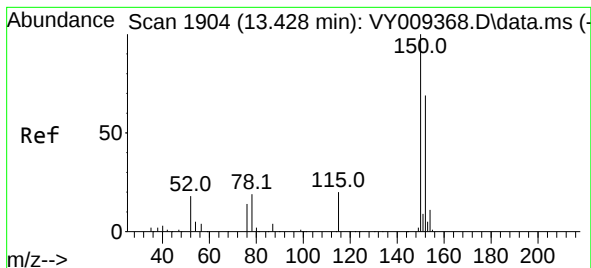
Tgt Ion: 95 Resp: 94086
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 80.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.007 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

Tgt Ion: 117 Resp: 295338
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 31.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY009456.D

Acq: 06 Jul 2022 16:05

Instrument :

MSVOA_Y

ClientSampleId :

RB-21199

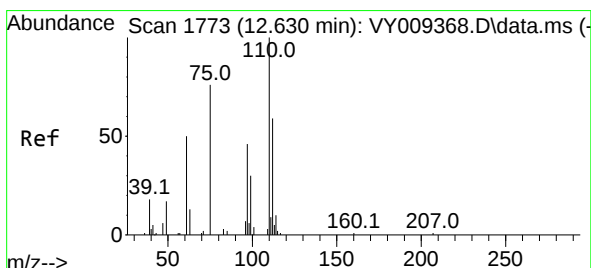
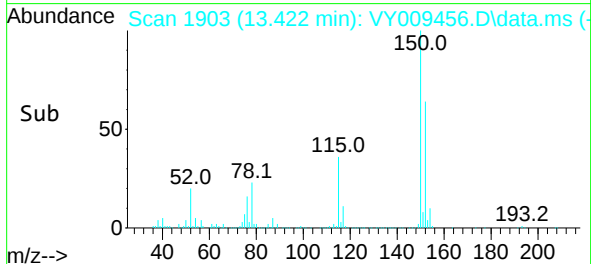
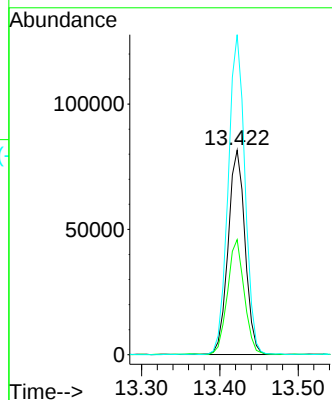
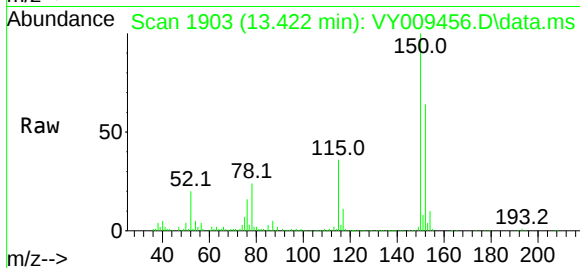
Tgt Ion:152 Resp: 122466

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.7

150 155.0 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 32.482 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY009456.D

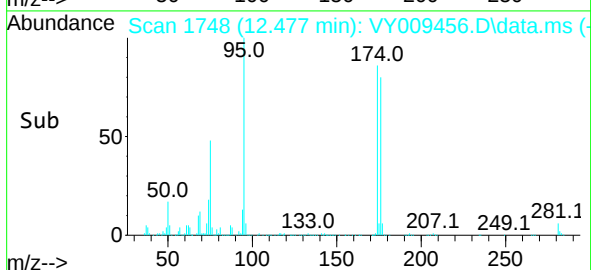
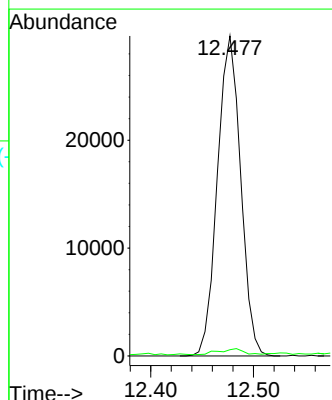
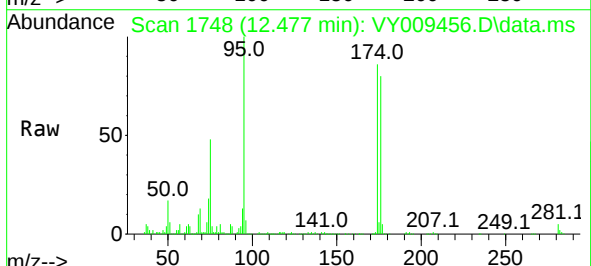
Acq: 06 Jul 2022 16:05

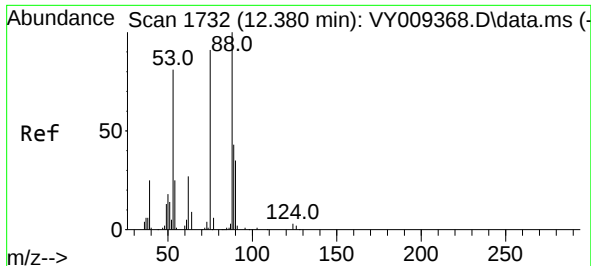
Tgt Ion: 75 Resp: 46585

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#

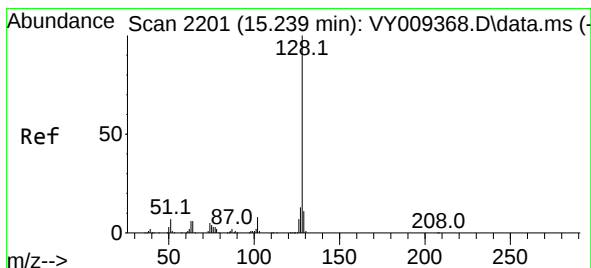
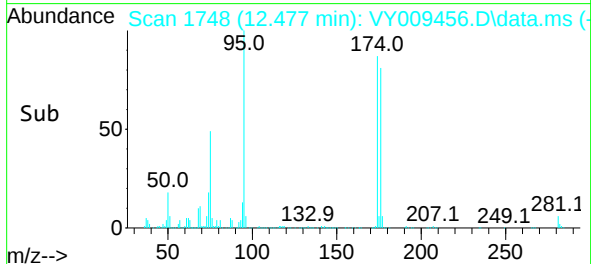
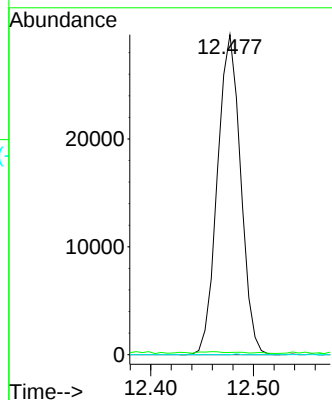
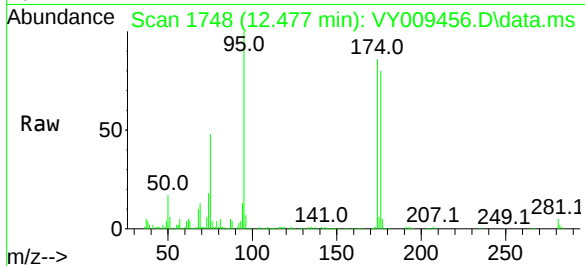




#81
trans-1,4-Dichloro-2-butene
Concen: 72.321 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

Instrument :
MSVOA_Y
ClientSampleId :
RB-21199

Tgt Ion: 75 Resp: 46585
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 3.980 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009456.D
Acq: 06 Jul 2022 16:05

Tgt Ion: 128 Resp: 18277
Ion Ratio Lower Upper
128 100
127 20.7 11.0 16.4#
129 9.7 8.4 12.6

