

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009481.D
 Acq On : 08 Jul 2022 14:37
 Operator : KP/MD
 Sample : N3595-01
 Misc : 6.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220487A-5A

Quant Time: Jul 11 02:14:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

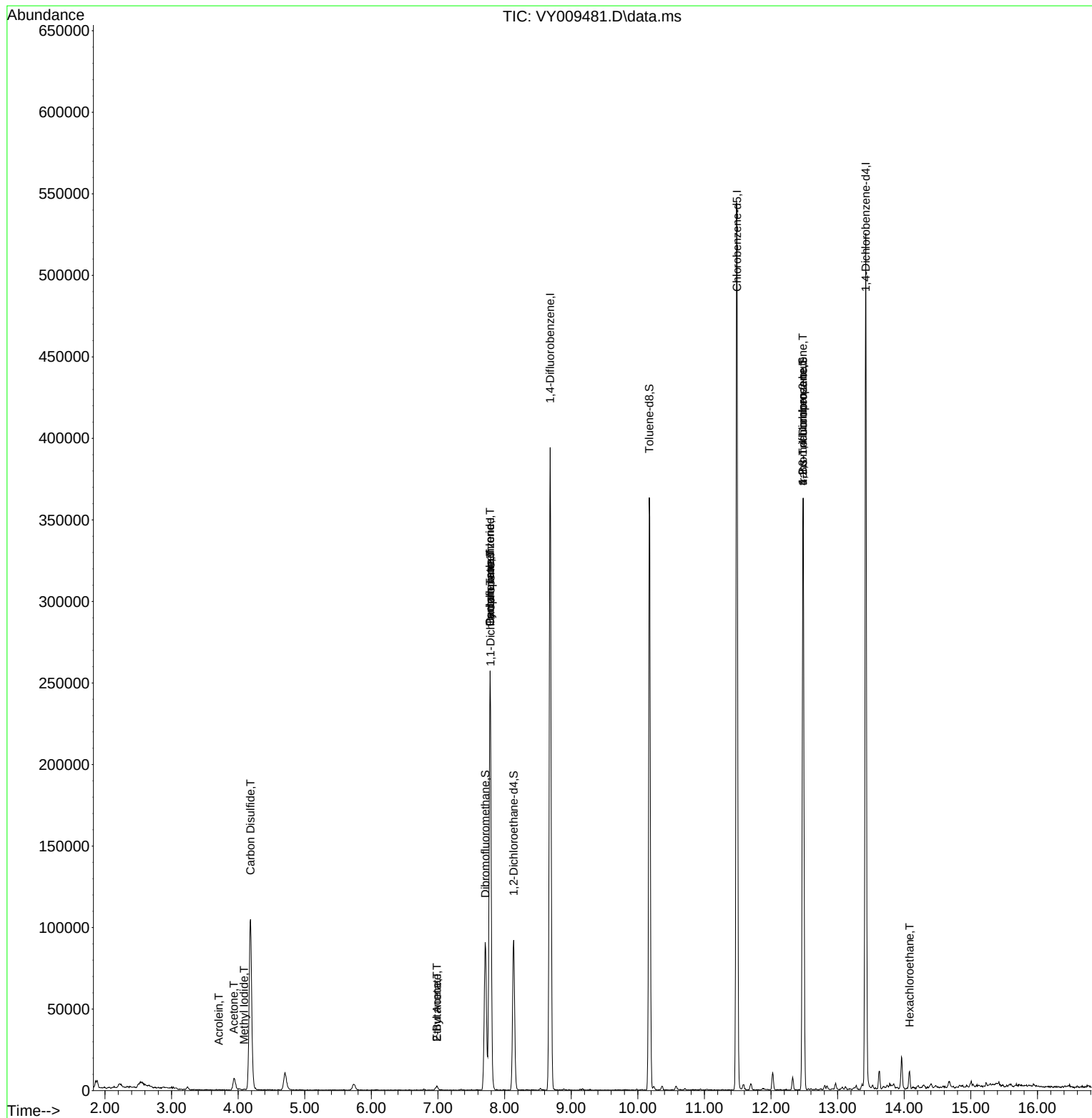
Internal Standards						
1) Pentafluorobenzene	7.782	168	199358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	330900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	297358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	70216	50.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.000%	
35) Dibromofluoromethane	7.709	113	61439	35.288	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 70.580%	
50) Toluene-d8	10.172	98	233977	48.823	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 97.640%	
62) 4-Bromofluorobenzene	12.477	95	75914	30.888	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 61.780%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	928	4.522	ug/l #	64
11) Tert butyl alcohol	4.954	59	82	Below Cal	#	77
13) Acrolein	3.710	56	54	30.539	ug/l #	76
16) Acetone	3.936	43	13110	27.033	ug/l	92
17) Carbon Disulfide	4.186	76	212267	40.125	ug/l	98
20) Methylene Chloride	4.704	84	6986	Below Cal		92
23) Vinyl Acetate	6.063	43	239	Below Cal	#	75
25) 2-Butanone	6.984	43	3304	4.211	ug/l	93
31) Cyclohexane	7.782	56	4461	1.364	ug/l #	4
36) 1,1-Dichloropropene	7.789	75	14027	4.949	ug/l #	53
37) Ethyl Acetate	6.984	43	3304	1.860	ug/l #	72
38) Carbon Tetrachloride	7.782	117	18733	6.179	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	40765	29.740	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40765	60.868	ug/l #	8
90) Hexachloroethane	14.080	117	5055	3.187	ug/l #	6

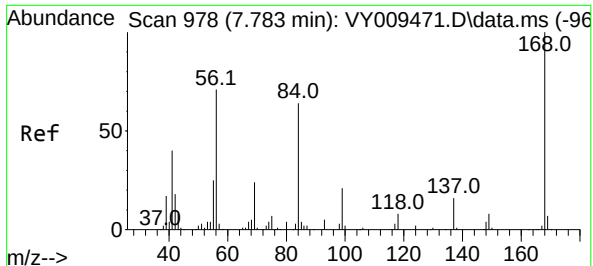
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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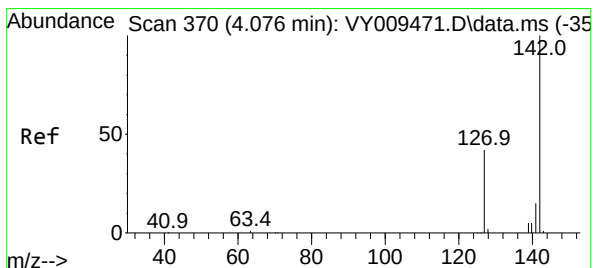
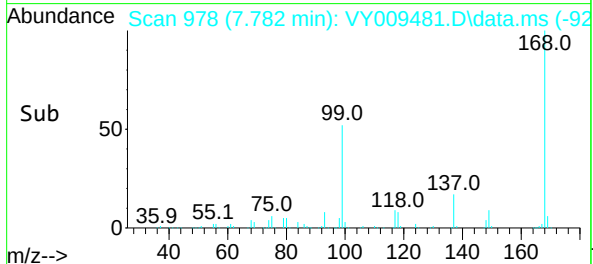
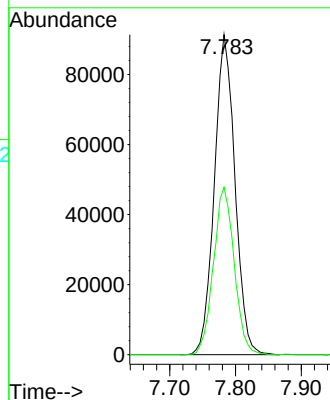
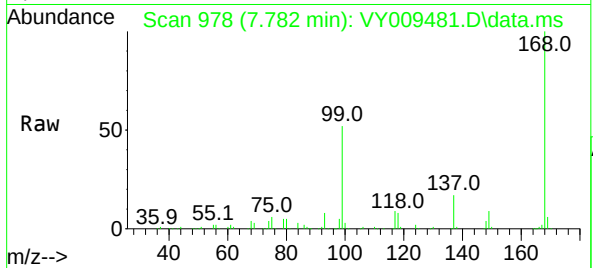




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

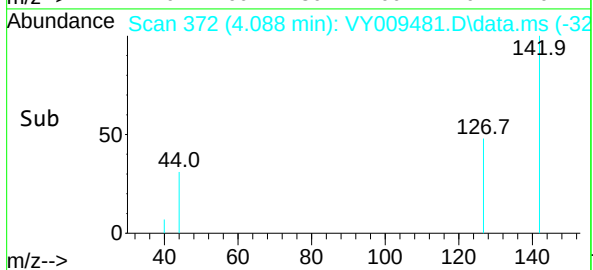
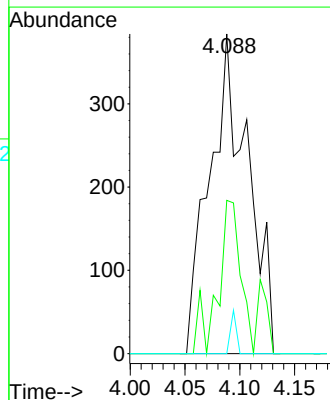
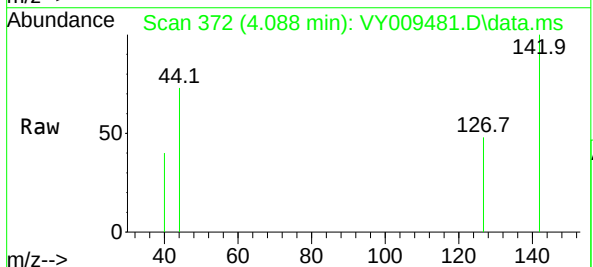
Instrument :
MSVOA_Y
ClientSampleId :
20220487A-5A

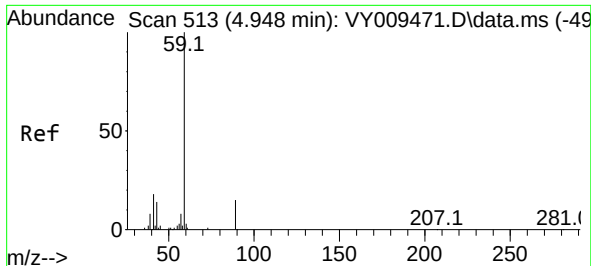
Tgt Ion:168 Resp: 199358
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3



#10
Methyl Iodide
Concen: 4.522 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.012 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

Tgt Ion:142 Resp: 928
Ion Ratio Lower Upper
142 100
127 25.5 41.5 62.3#
141 2.0 11.9 17.9#

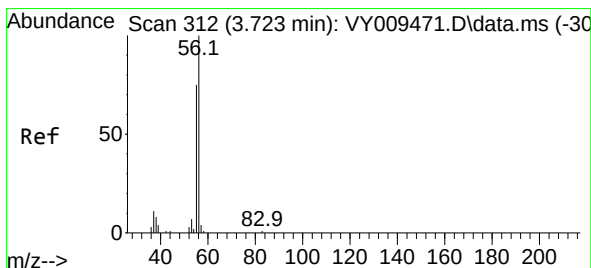
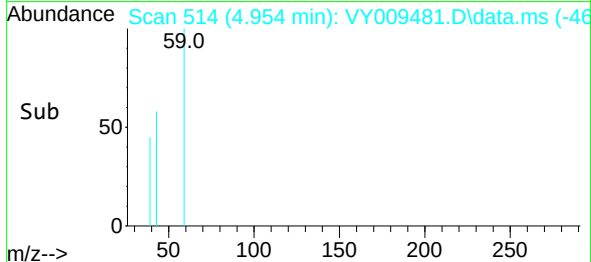
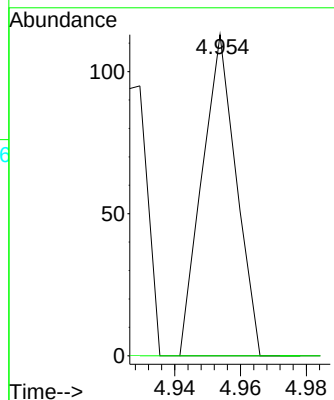
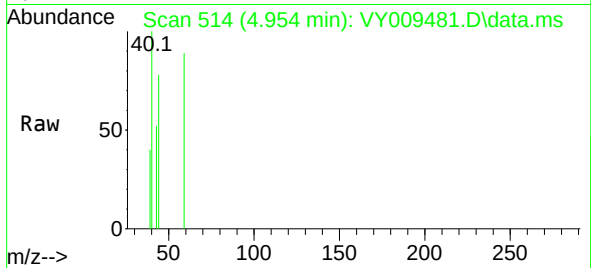




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

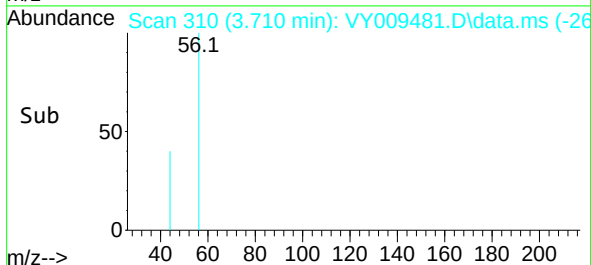
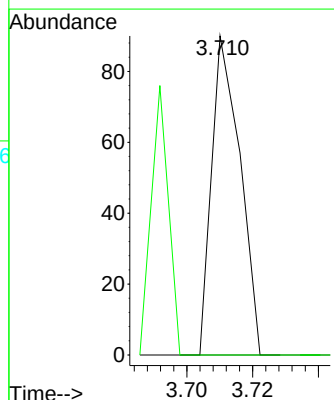
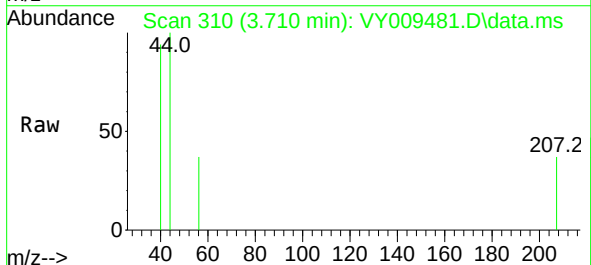
Instrument :
MSVOA_Y
ClientSampleId :
20220487A-5A

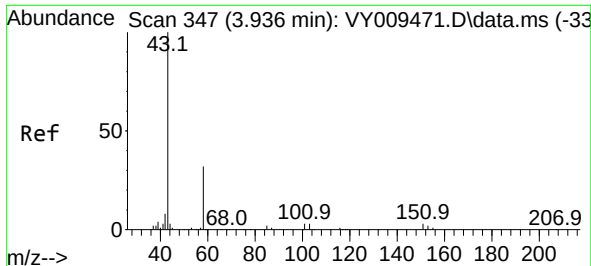
Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: 30.539 ug/l
RT: 3.710 min Scan# 310
Delta R.T. -0.013 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 51.9 57.6 86.4#





#16

Acetone

Concen: 27.033 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY009481.D

Acq: 08 Jul 2022 14:37

Instrument :

MSVOA_Y

ClientSampleId :

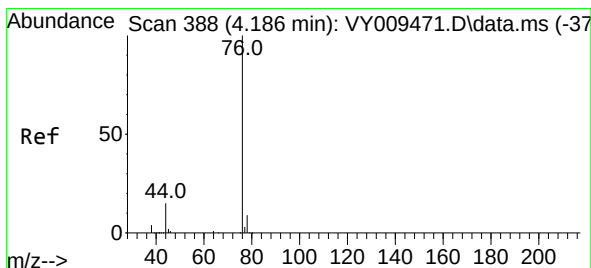
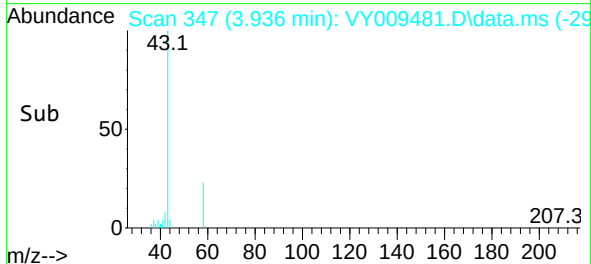
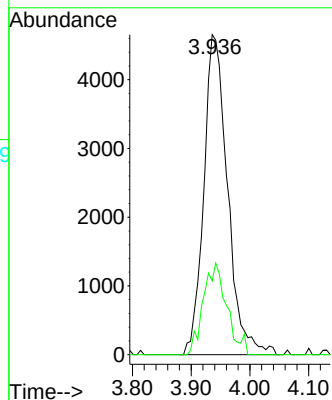
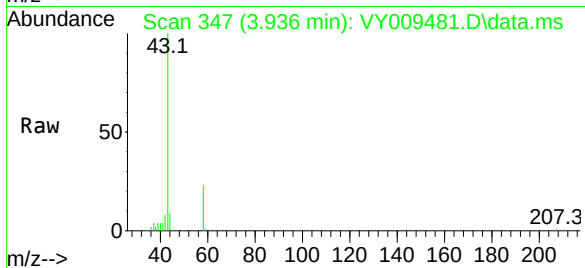
20220487A-5A

Tgt Ion: 43 Resp: 13110

Ion Ratio Lower Upper

43 100

58 23.1 22.0 33.0



#17

Carbon Disulfide

Concen: 40.125 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.000 min

Lab File: VY009481.D

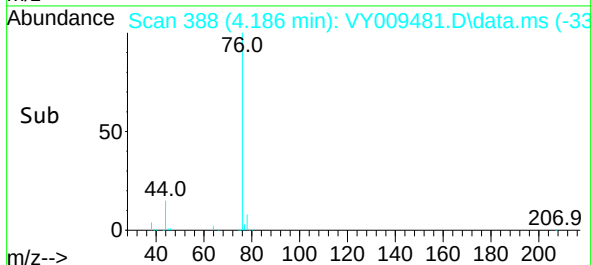
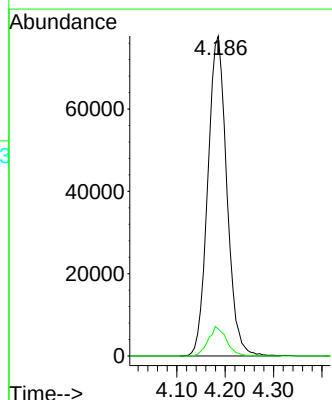
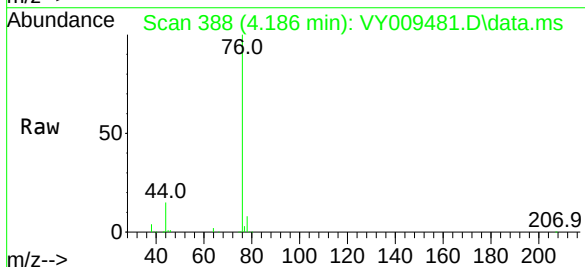
Acq: 08 Jul 2022 14:37

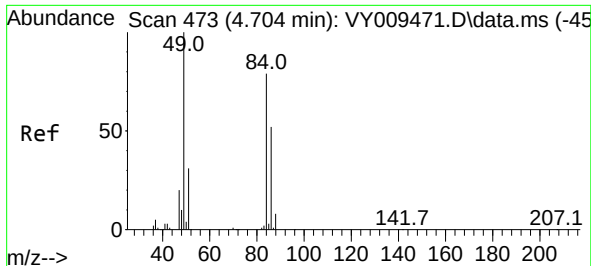
Tgt Ion: 76 Resp: 212267

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY009481.D

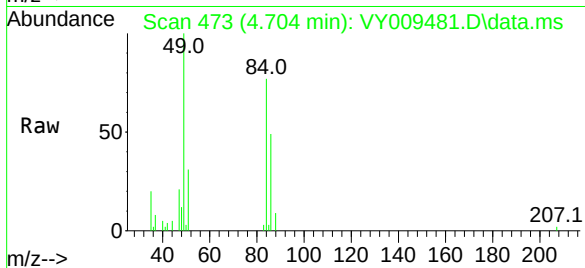
Acq: 08 Jul 2022 14:37

Instrument :

MSVOA_Y

ClientSampleId :

20220487A-5A



Tgt Ion: 84 Resp: 6986

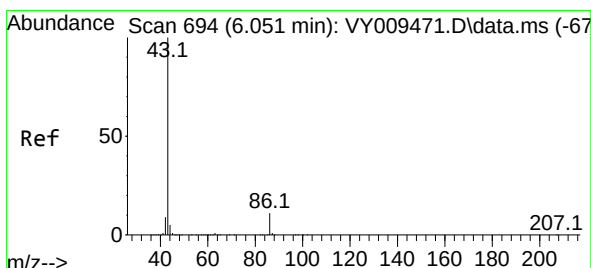
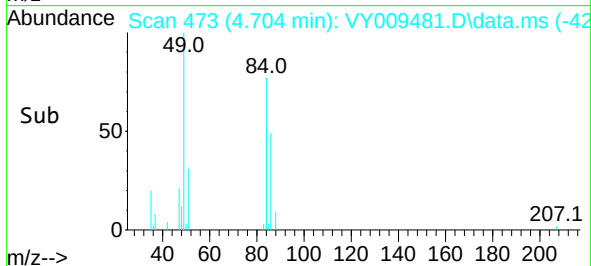
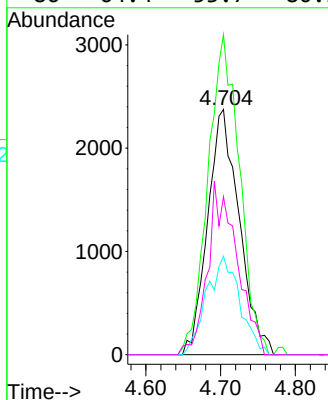
Ion Ratio Lower Upper

84 100

49 130.5 114.4 171.6

51 40.2 35.3 52.9

86 64.4 53.7 80.5



#23

Vinyl Acetate

Concen: Below Cal

RT: 6.063 min Scan# 696

Delta R.T. 0.012 min

Lab File: VY009481.D

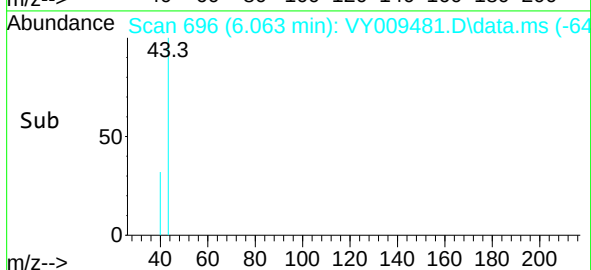
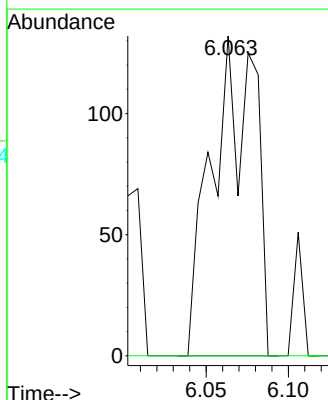
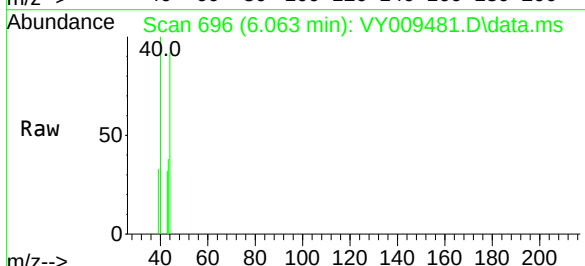
Acq: 08 Jul 2022 14:37

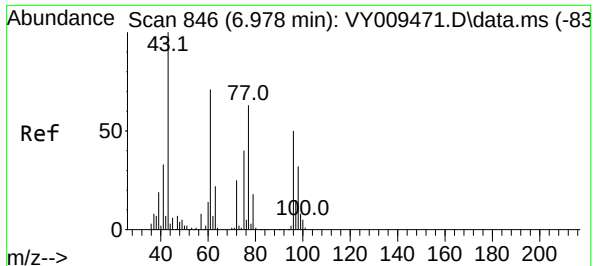
Tgt Ion: 43 Resp: 239

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#

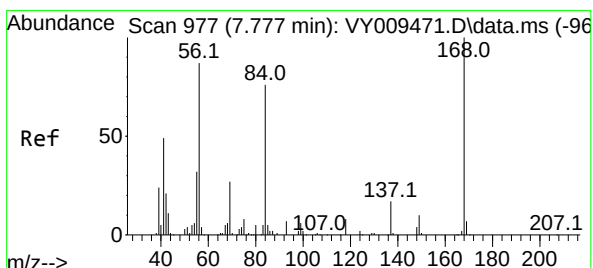
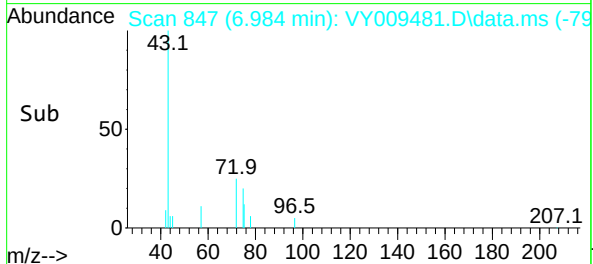
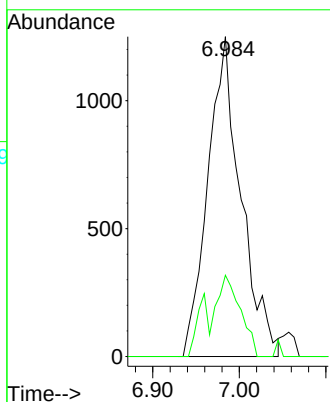
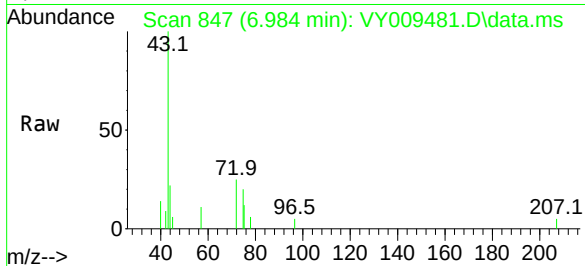




#25
2-Butanone
Concen: 4.211 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

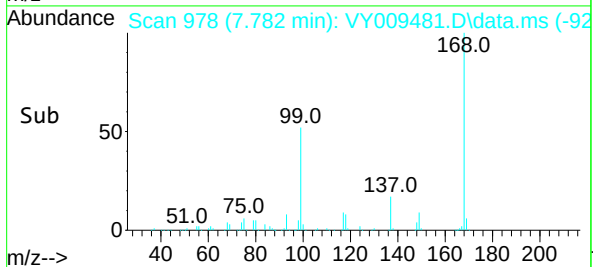
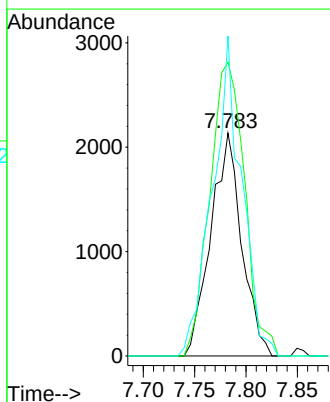
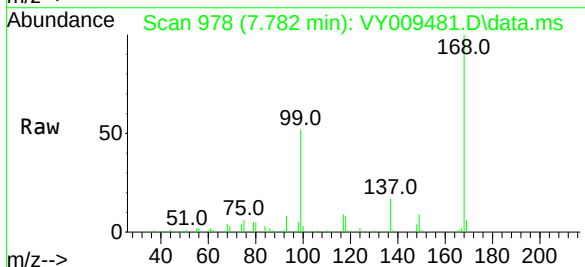
Instrument :
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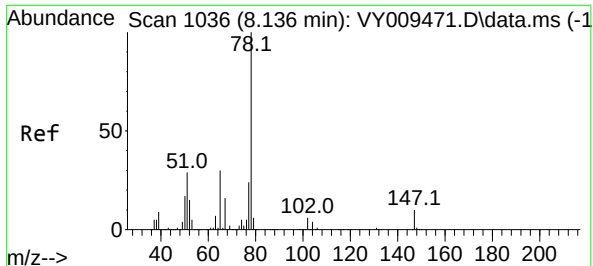
Tgt Ion: 43 Resp: 3304
Ion Ratio Lower Upper
43 100
72 25.4 17.7 26.5



#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.782 min Scan# 978
Delta R.T. 0.005 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

Tgt Ion: 56 Resp: 4461
Ion Ratio Lower Upper
56 100
69 131.9 26.7 40.1#
84 143.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.000 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY009481.D

Acq: 08 Jul 2022 14:37

Instrument :

MSVOA_Y

ClientSampleId :

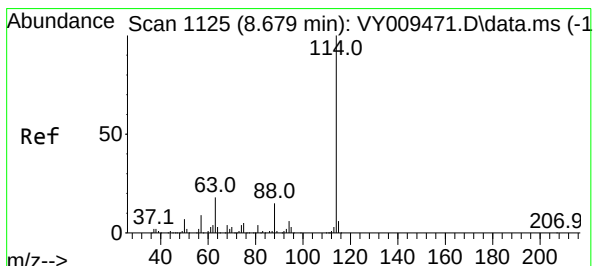
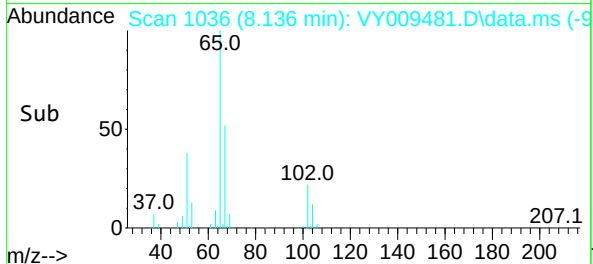
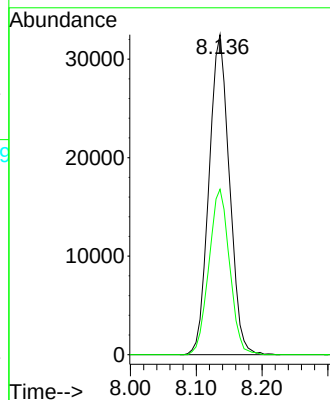
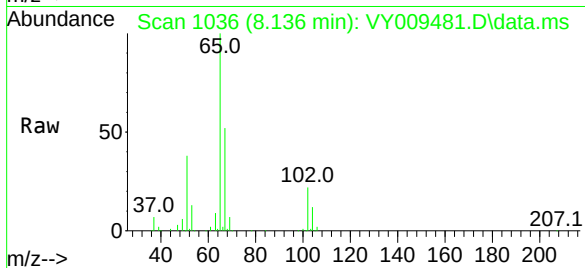
20220487A-5A

Tgt Ion: 65 Resp: 70216

Ion Ratio Lower Upper

65 100

67 52.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009481.D

Acq: 08 Jul 2022 14:37

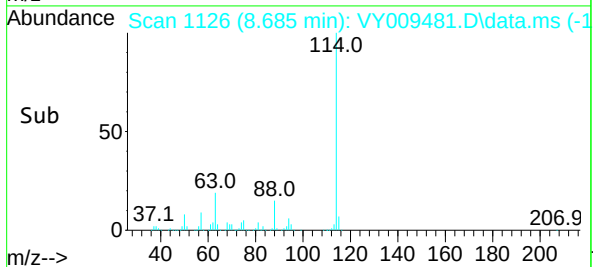
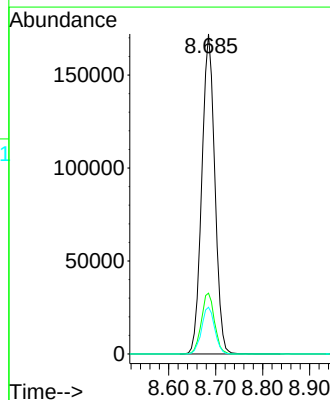
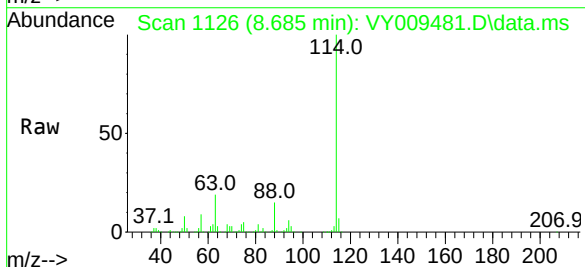
Tgt Ion: 114 Resp: 330900

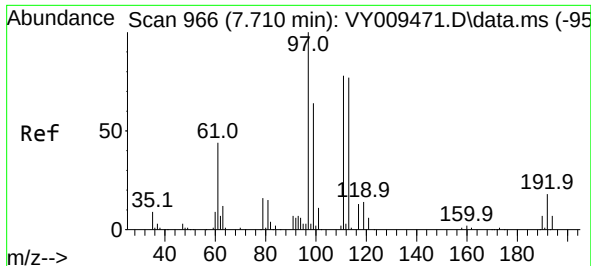
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 14.6 0.0 31.8

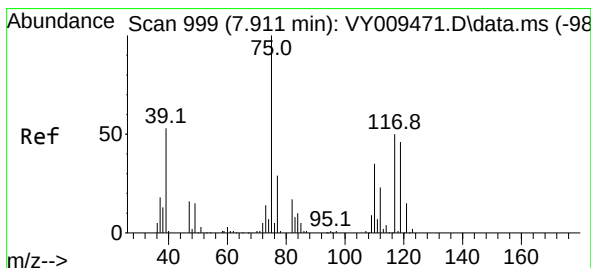
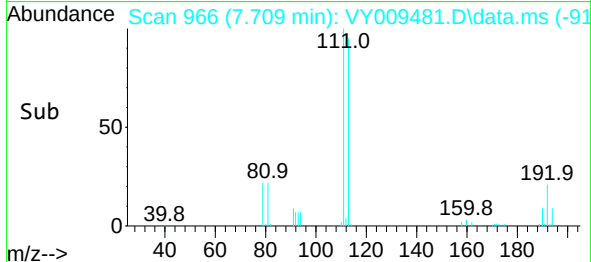
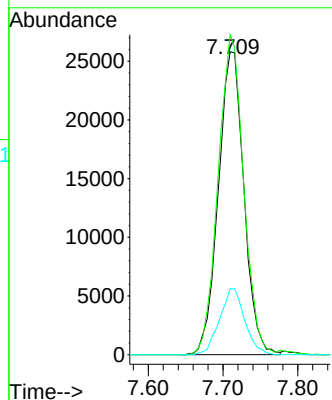
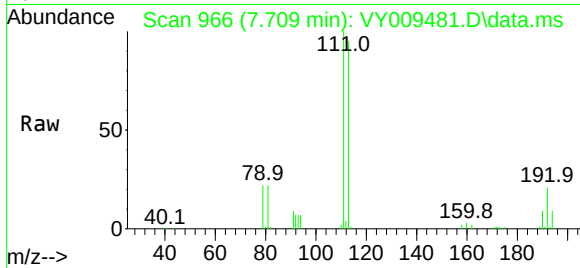




#35
Dibromofluoromethane
Concen: 35.288 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

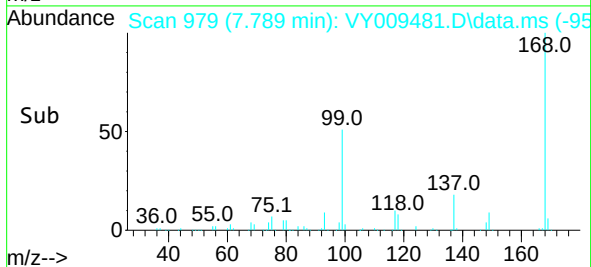
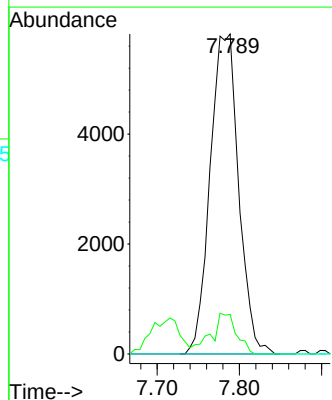
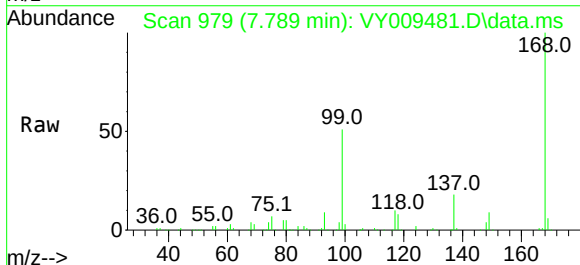
Instrument :
MSVOA_Y
ClientSampleId :
20220487A-5A

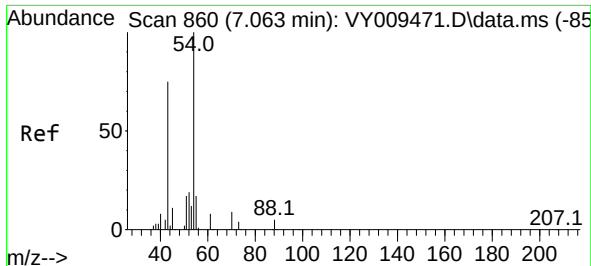
Tgt Ion:113 Resp: 61439
Ion Ratio Lower Upper
113 100
111 104.9 82.6 124.0
192 21.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.949 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

Tgt Ion: 75 Resp: 14027
Ion Ratio Lower Upper
75 100
110 11.4 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.860 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY009481.D

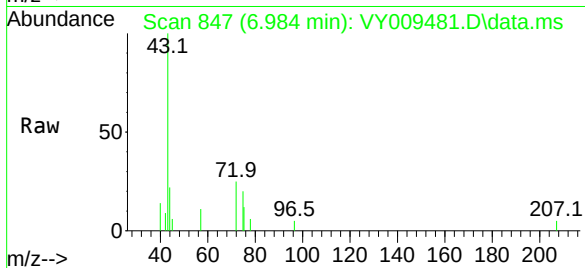
Acq: 08 Jul 2022 14:37

Instrument :

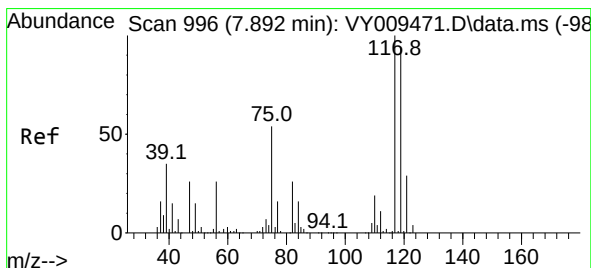
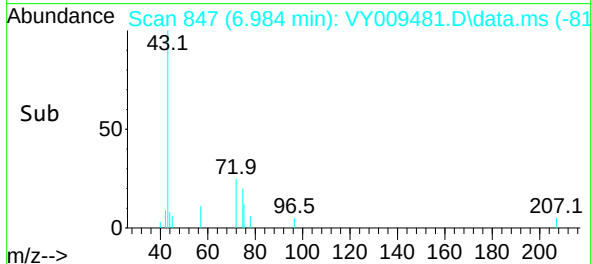
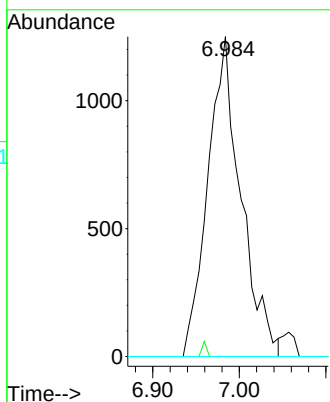
MSVOA_Y

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Tgt Ion:	43	Resp:	3304
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.179 ug/l

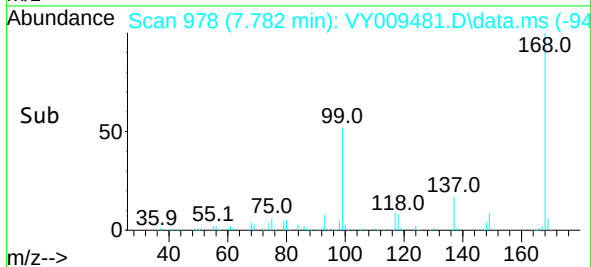
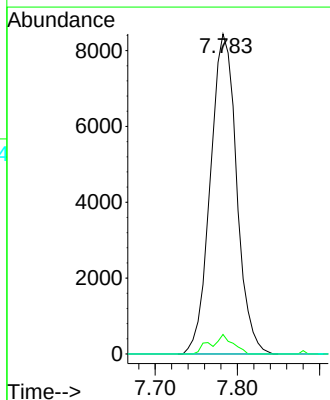
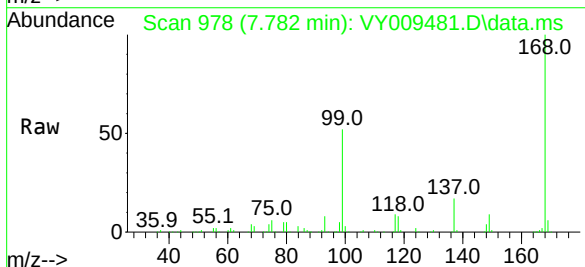
RT: 7.782 min Scan# 978

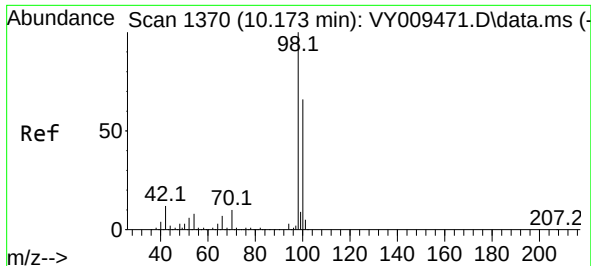
Delta R.T. -0.110 min

Lab File: VY009481.D

Acq: 08 Jul 2022 14:37

Tgt Ion:	117	Resp:	18733
Ion	Ratio	Lower	Upper
117	100		
119	6.1	77.9	116.9#
121	0.0	24.8	37.2#

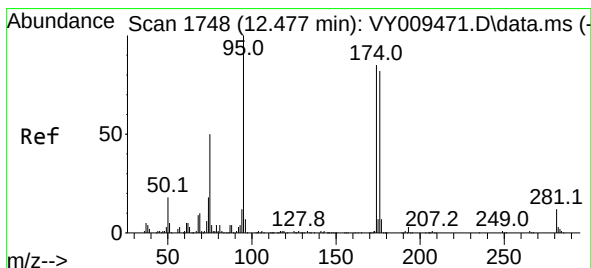
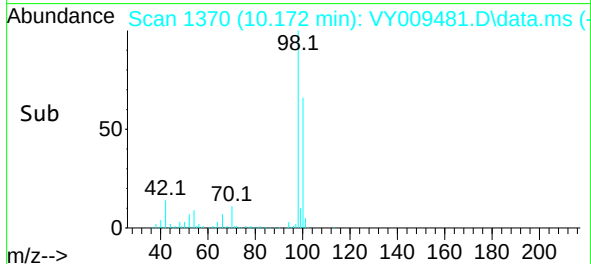
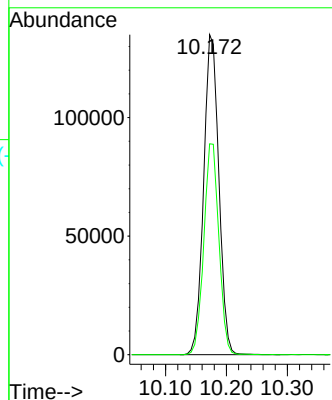
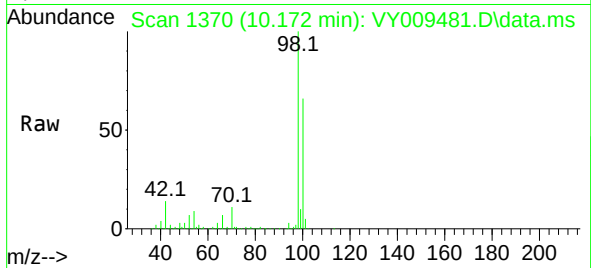




#50
Toluene-d8
Concen: 48.823 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

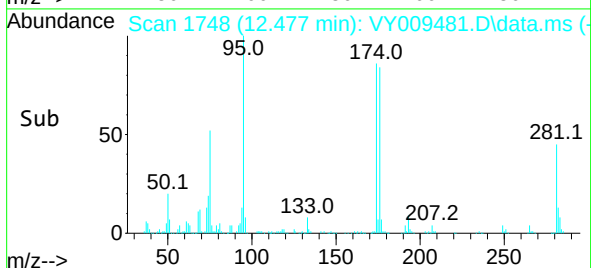
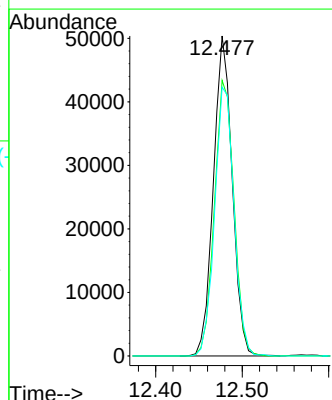
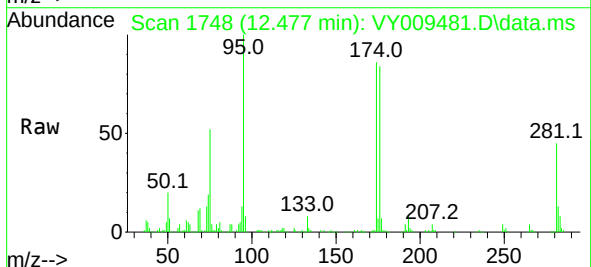
Instrument :
MSVOA_Y
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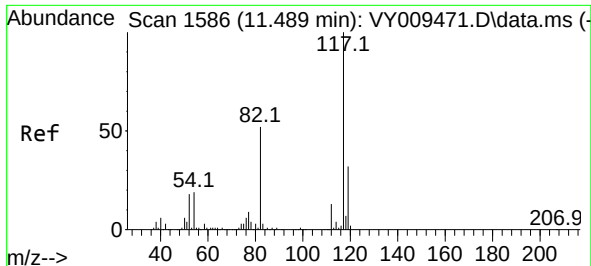
Tgt Ion: 98 Resp: 233977
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 30.888 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

Tgt Ion: 95 Resp: 75914
Ion Ratio Lower Upper
95 100
174 89.3 0.0 177.0
176 86.6 0.0 175.8

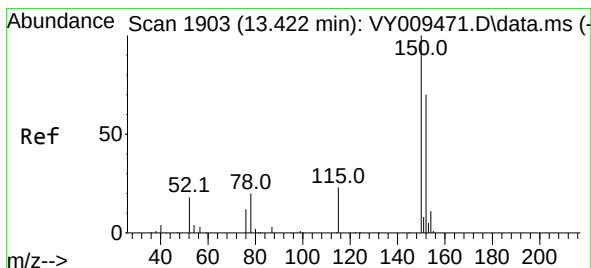
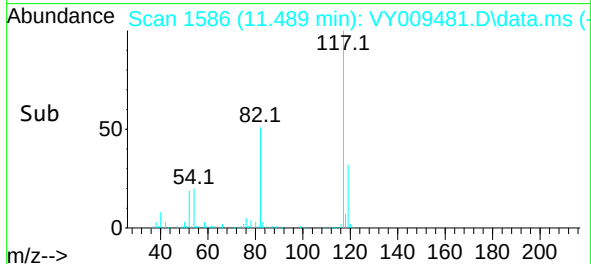
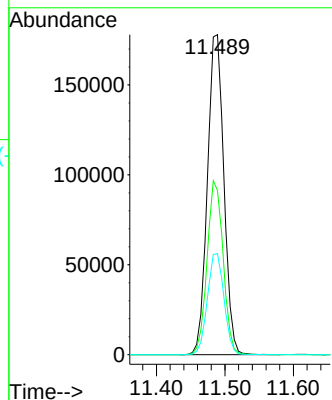
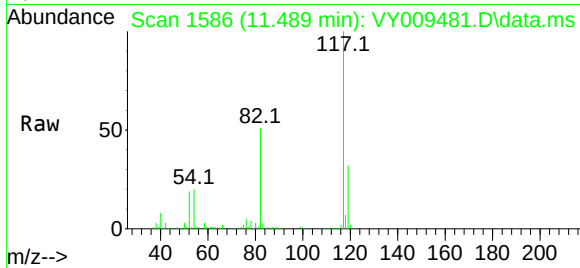




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

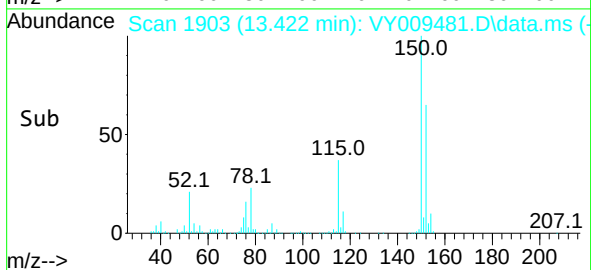
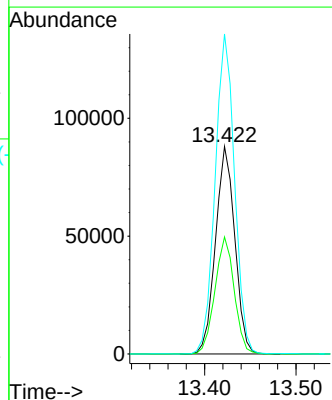
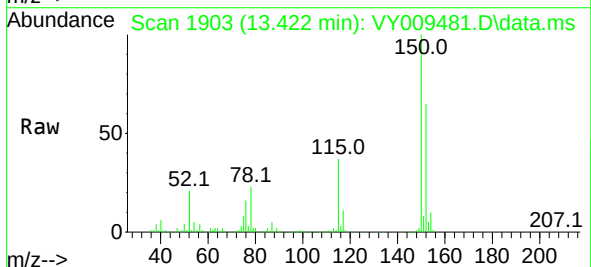
Instrument :
MSVOA_Y
ClientSampleId :
20220487A-5A

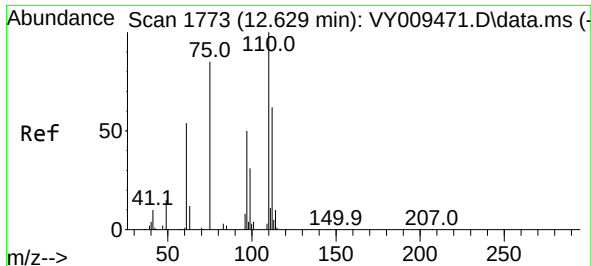
Tgt Ion:117 Resp: 297358
Ion Ratio Lower Upper
117 100
82 51.3 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

Tgt Ion:152 Resp: 129485
Ion Ratio Lower Upper
152 100
115 56.2 28.2 84.7
150 155.1 0.0 347.6

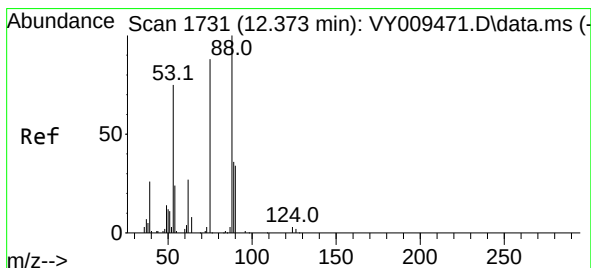
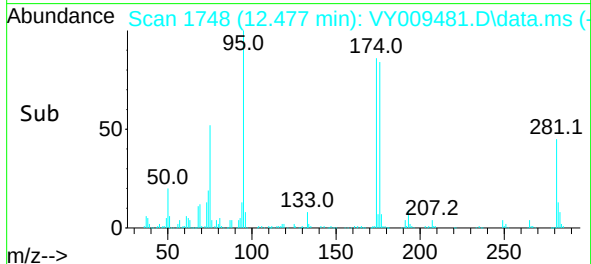
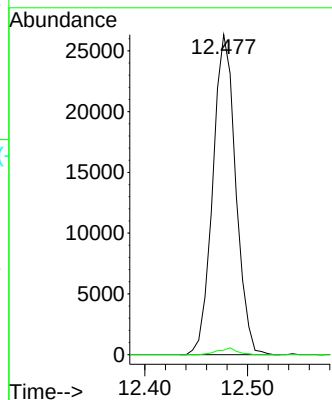
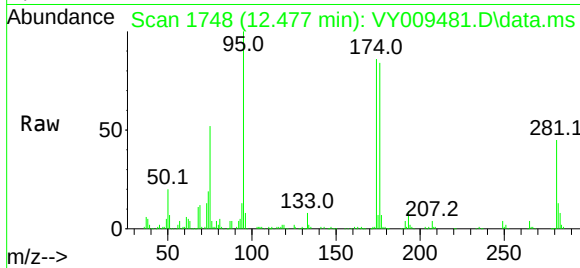




#76
1,2,3-Trichloropropane
Concen: 29.740 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

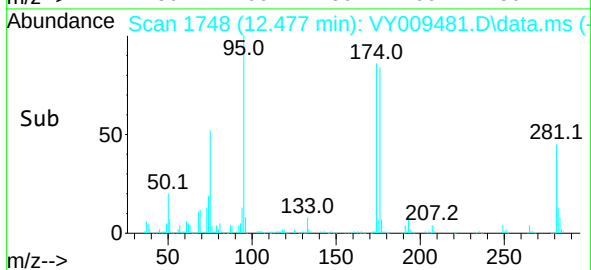
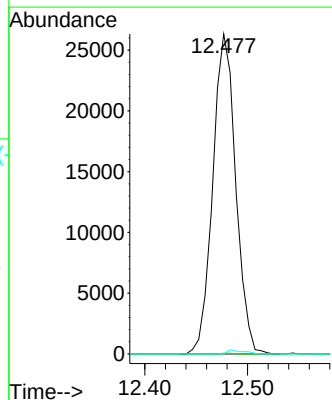
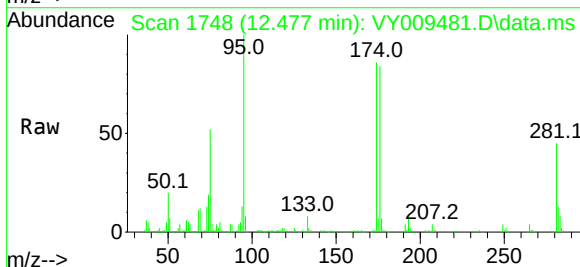
Instrument :
MSVOA_Y
ClientSampleId :
20220487A-5A

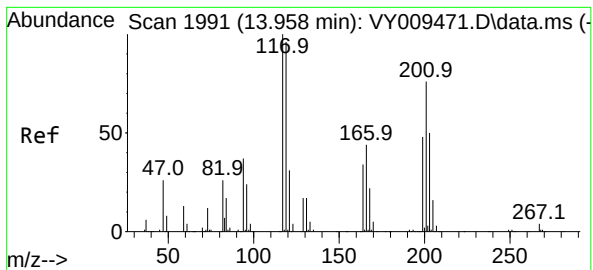
Tgt Ion: 75 Resp: 40765
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.868 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009481.D
Acq: 08 Jul 2022 14:37

Tgt Ion: 75 Resp: 40765
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.9 37.0 55.4#





#90
 Hexachloroethane
 Concen: 3.187 ug/l
 RT: 14.080 min Scan# 20
 Delta R.T. 0.122 min
 Lab File: VY009481.D
 Acq: 08 Jul 2022 14:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220487A-5A

Tgt Ion:117 Resp: 5055
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.0 128.8#

