

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009482.D
 Acq On : 08 Jul 2022 15:00
 Operator : KP/MD
 Sample : N3595-02
 Misc : 6.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220487B-5B

Quant Time: Jul 11 02:14:35 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)

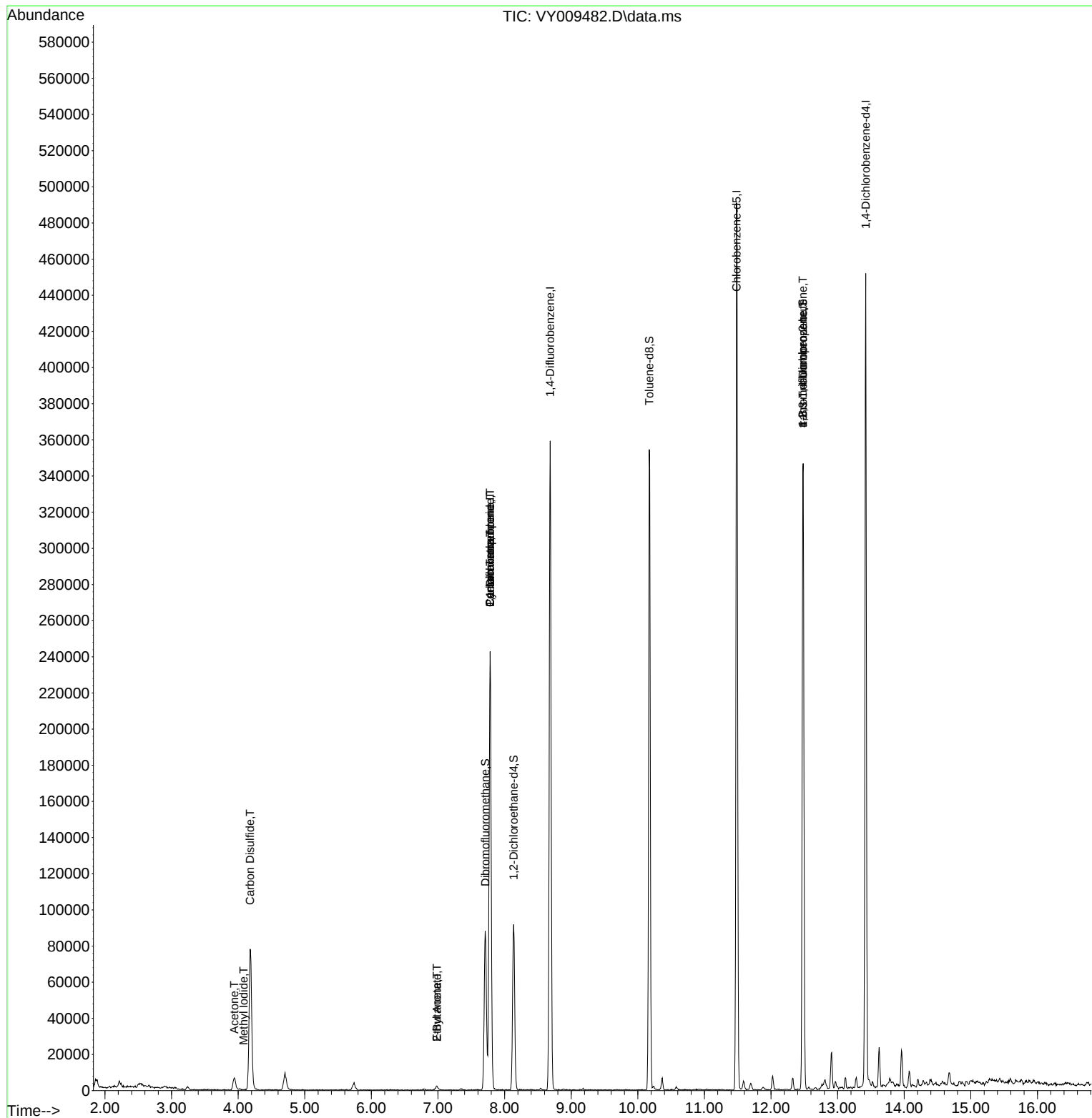
Internal Standards						
1) Pentafluorobenzene	7.783	168	190475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	303201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	264653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	70304	52.755	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.500%			
35) Dibromofluoromethane	7.710	113	59736	37.444	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 74.880%			
50) Toluene-d8	10.173	98	228671	52.721	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 105.440%			
62) 4-Bromofluorobenzene	12.477	95	75510	33.531	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 67.060%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	247	4.262	ug/l #	41
11) Tert butyl alcohol	4.966	59	20	Below Cal	#	77
16) Acetone	3.942	43	12043	25.991	ug/l	99
17) Carbon Disulfide	4.180	76	158659	32.352	ug/l	99
20) Methylene Chloride	4.704	84	6290	Below Cal	#	77
23) Vinyl Acetate	6.076	43	53	Below Cal	#	75
25) 2-Butanone	6.984	43	3479	4.641	ug/l	99
31) Cyclohexane	7.783	56	4194	1.342	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13725	5.284	ug/l #	51
37) Ethyl Acetate	6.984	43	3479	2.137	ug/l #	73
38) Carbon Tetrachloride	7.783	117	18133	6.528	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	41063	35.095	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	41063	71.826	ug/l #	8

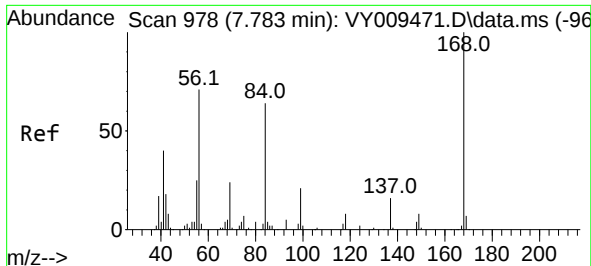
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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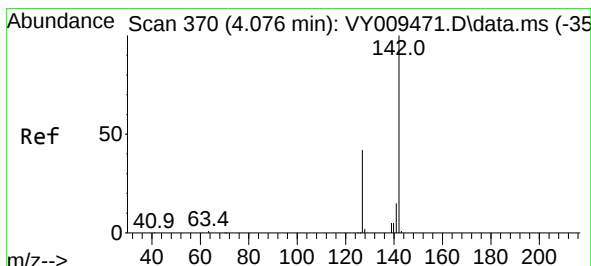
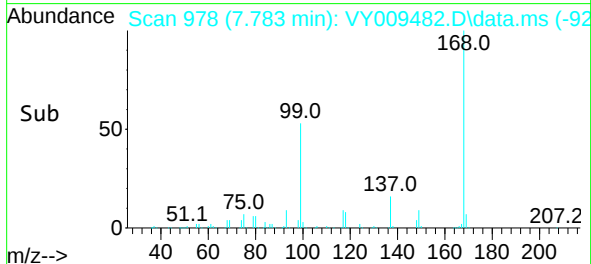
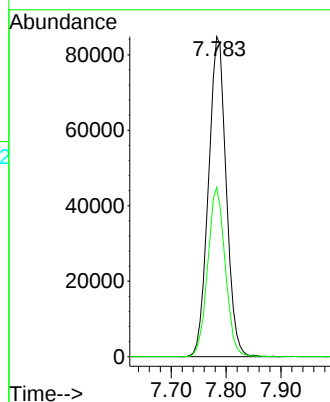
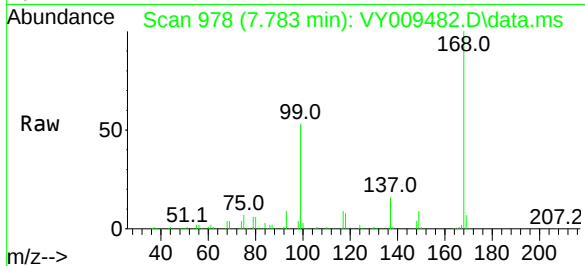




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009482.D
Acq: 08 Jul 2022 15:00

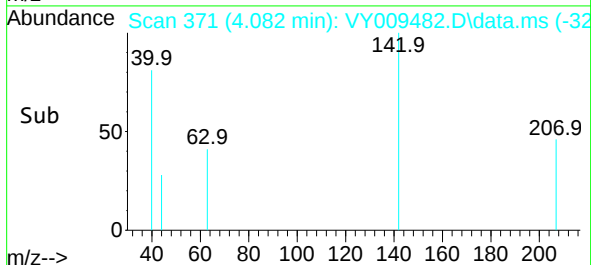
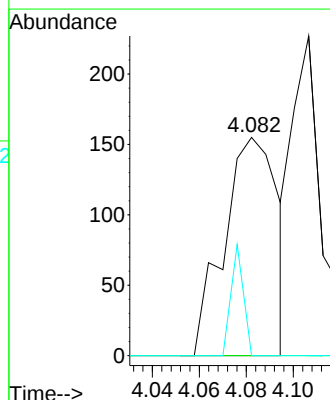
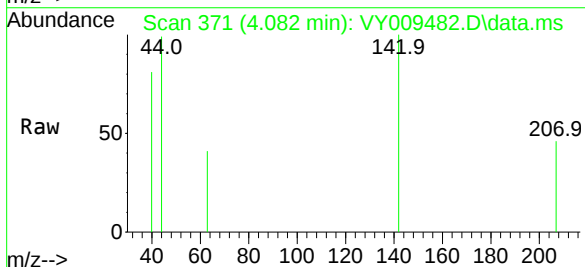
Instrument :
MSVOA_Y
ClientSampleId :
20220487B-5B

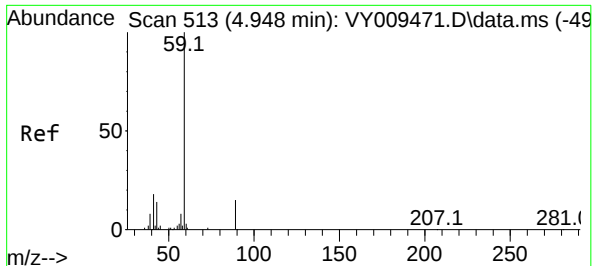
Tgt Ion:168 Resp: 190475
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#10
Methyl Iodide
Concen: 4.262 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY009482.D
Acq: 08 Jul 2022 15:00

Tgt Ion:142 Resp: 247
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 11.7 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.966 min Scan# 51

Delta R.T. 0.018 min

Lab File: VY009482.D

Acq: 08 Jul 2022 15:00

Instrument :

MSVOA_Y

ClientSampleId :

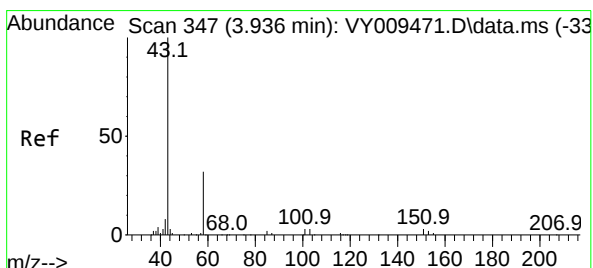
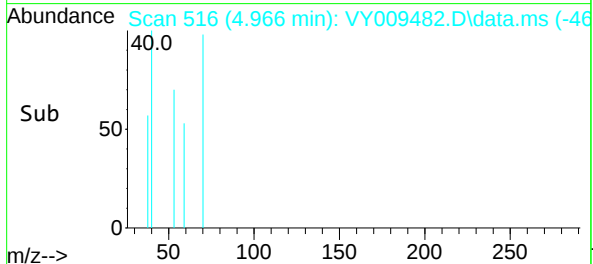
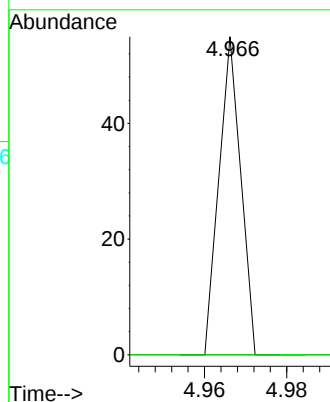
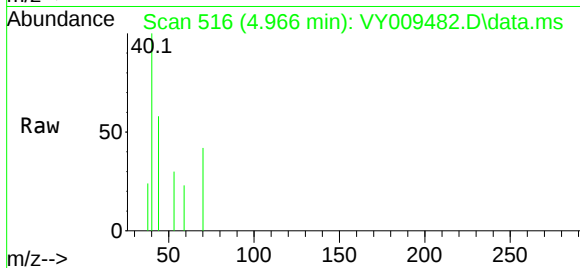
20220487B-5B

Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 25.991 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY009482.D

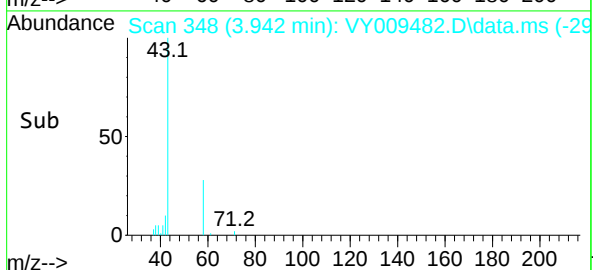
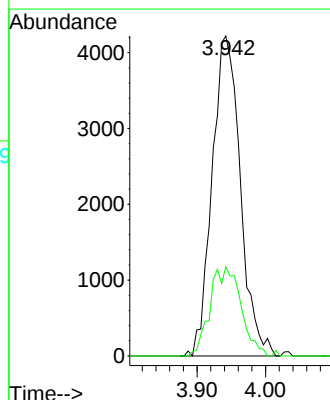
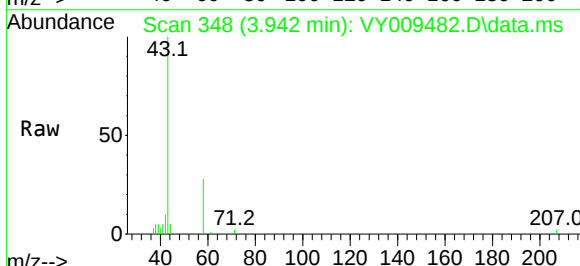
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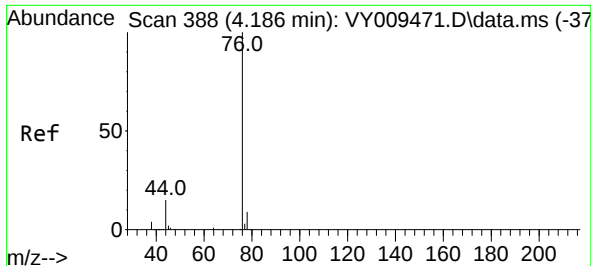
Tgt Ion: 43 Resp: 12043

Ion Ratio Lower Upper

43 100

58 27.9 22.0 33.0

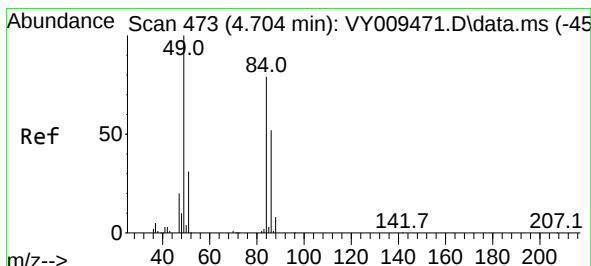
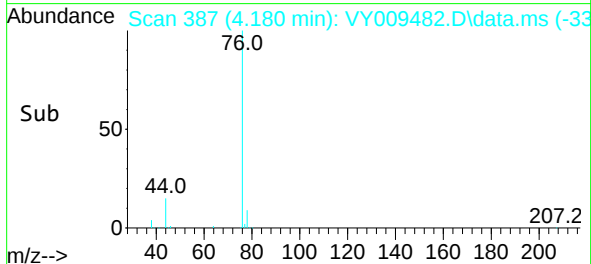
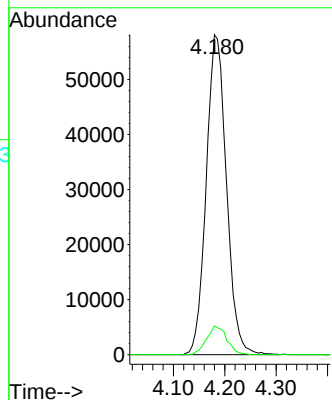
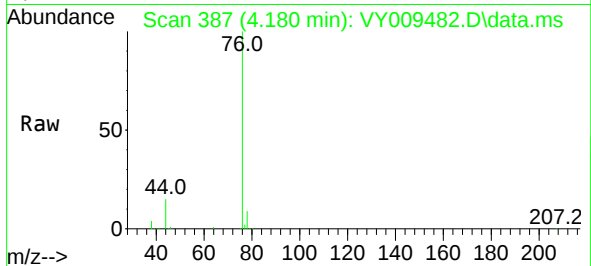




#17
Carbon Disulfide
Concen: 32.352 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY009482.D
Acq: 08 Jul 2022 15:00

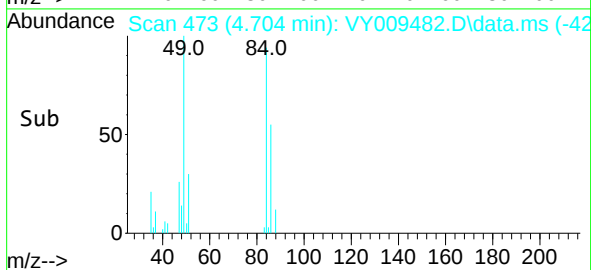
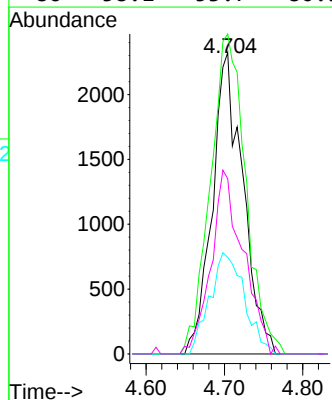
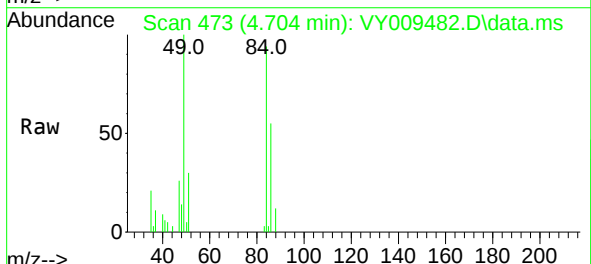
Instrument :
MSVOA_Y
ClientSampleId :
20220487B-5B

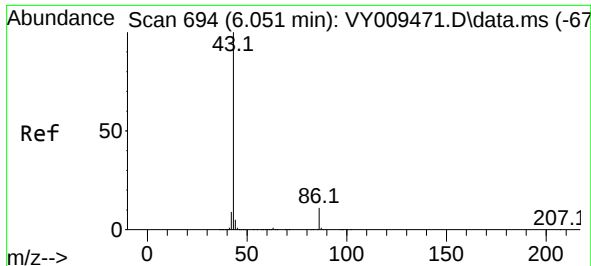
Tgt Ion: 76 Resp: 158659
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009482.D
Acq: 08 Jul 2022 15:00

Tgt Ion: 84 Resp: 6290
Ion Ratio Lower Upper
84 100
49 106.2 114.4 171.6#
51 32.1 35.3 52.9#
86 58.1 53.7 80.5

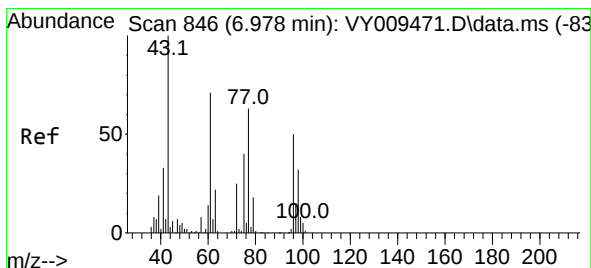
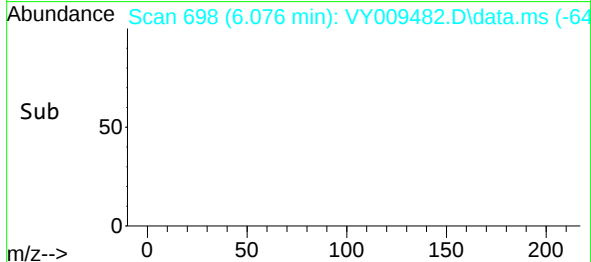
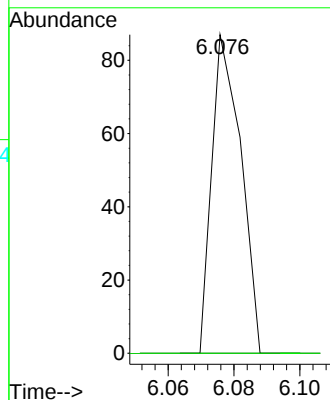
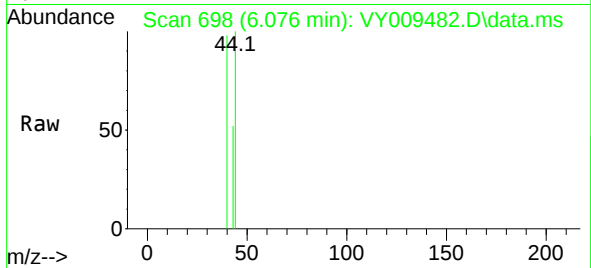




#23
 Vinyl Acetate
 Concen: Below Cal
 RT: 6.076 min Scan# 61
 Delta R.T. 0.025 min
 Lab File: VY009482.D
 Acq: 08 Jul 2022 15:00

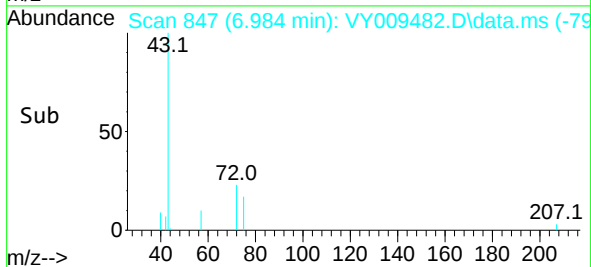
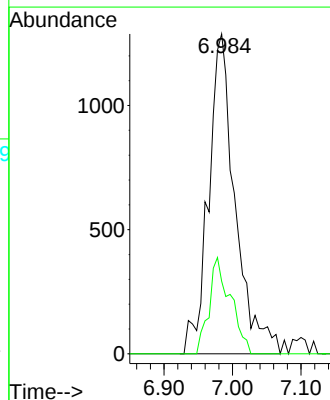
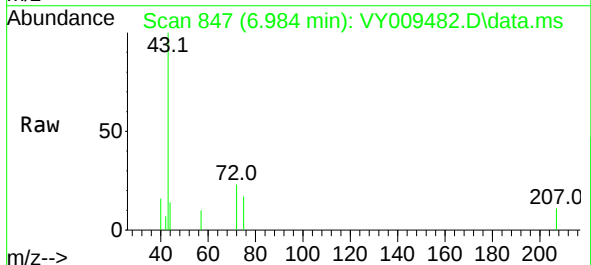
Instrument :
 MSVOA_Y
 ClientSampleId :
 20220487B-5B

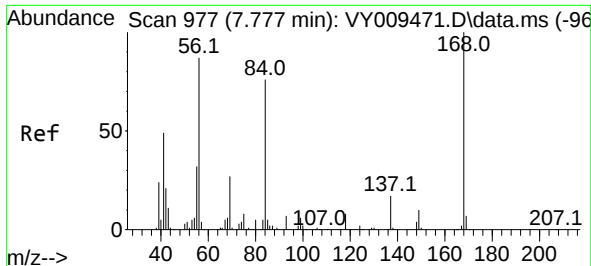
Tgt Ion: 43 Resp: 53
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 4.641 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.006 min
 Lab File: VY009482.D
 Acq: 08 Jul 2022 15:00

Tgt Ion: 43 Resp: 3479
 Ion Ratio Lower Upper
 43 100
 72 22.7 17.7 26.5

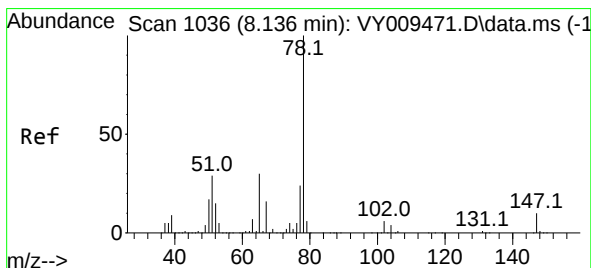
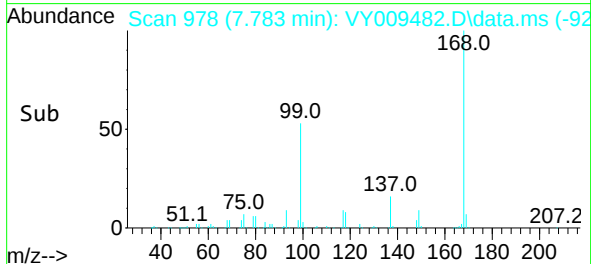
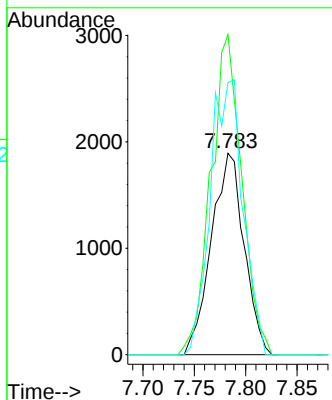
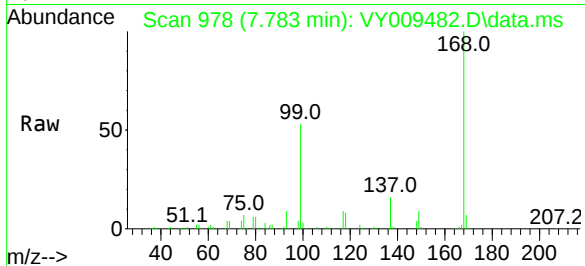




#31
Cyclohexane
Concen: 1.342 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009482.D
Acq: 08 Jul 2022 15:00

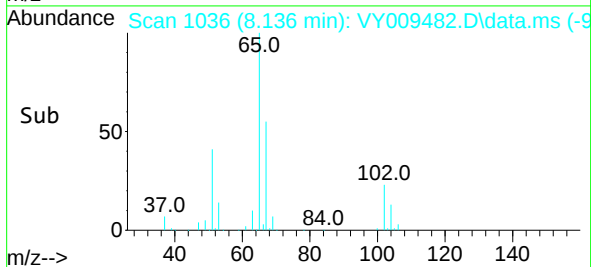
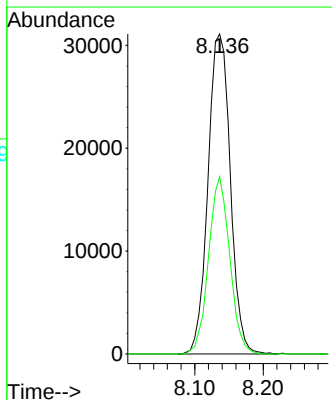
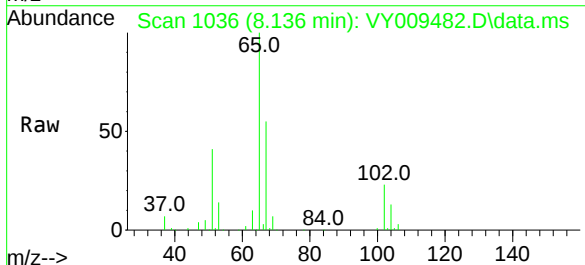
Instrument :
MSVOA_Y
ClientSampleId :
20220487B-5B

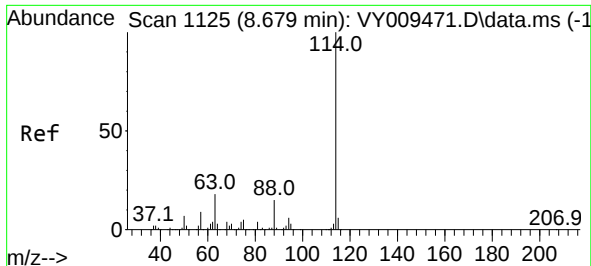
Tgt Ion: 56 Resp: 4194
Ion Ratio Lower Upper
56 100
69 158.8 26.7 40.1#
84 139.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.755 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009482.D
Acq: 08 Jul 2022 15:00

Tgt Ion: 65 Resp: 70304
Ion Ratio Lower Upper
65 100
67 52.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VY009482.D

Acq: 08 Jul 2022 15:00

Instrument :

MSVOA_Y

ClientSampleId :

20220487B-5B

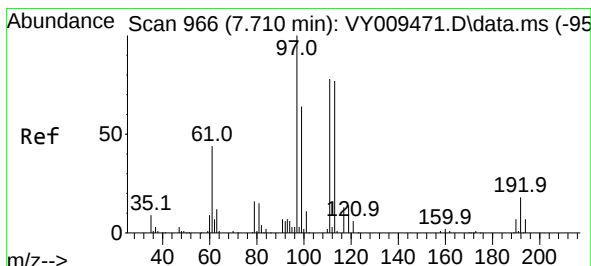
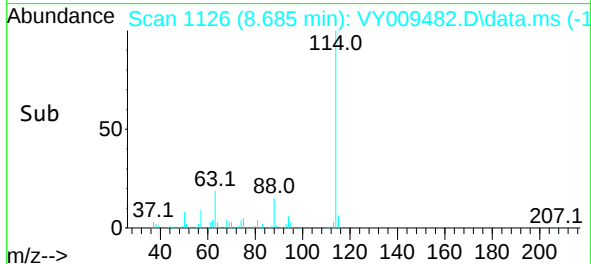
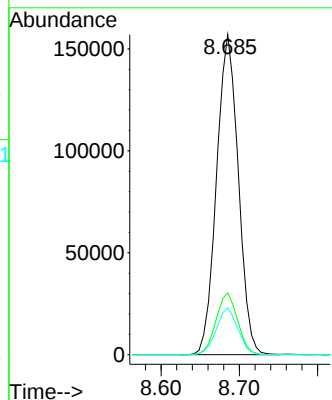
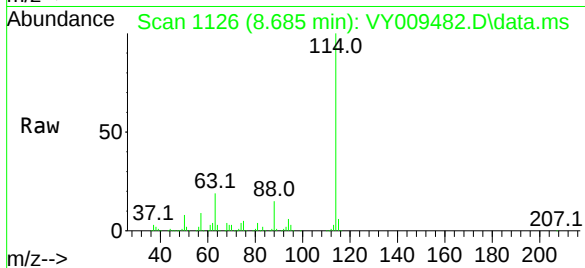
Tgt Ion:114 Resp: 303201

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 37.444 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009482.D

Acq: 08 Jul 2022 15:00

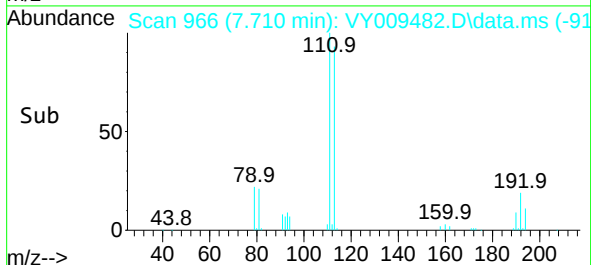
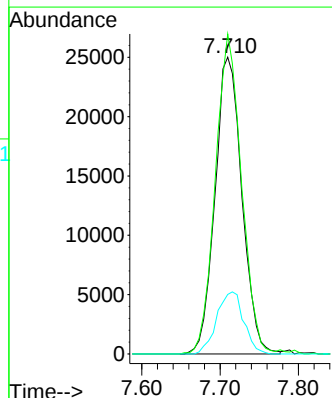
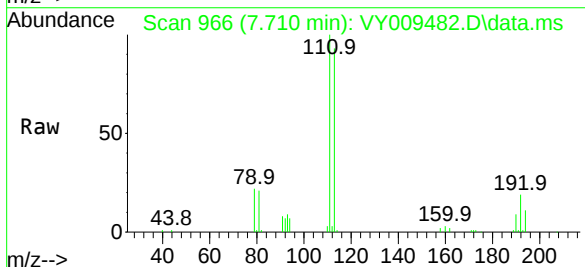
Tgt Ion:113 Resp: 59736

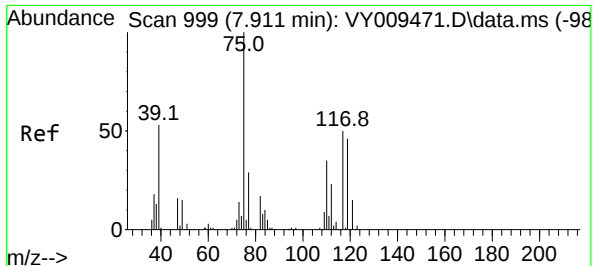
Ion Ratio Lower Upper

113 100

111 105.2 82.6 124.0

192 20.9 17.6 26.4

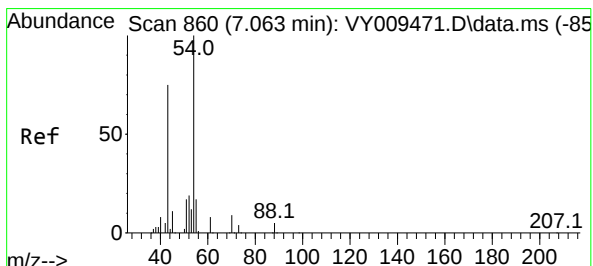
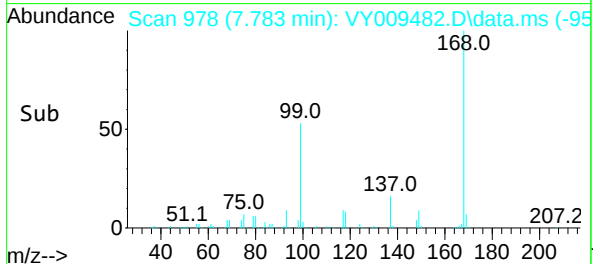
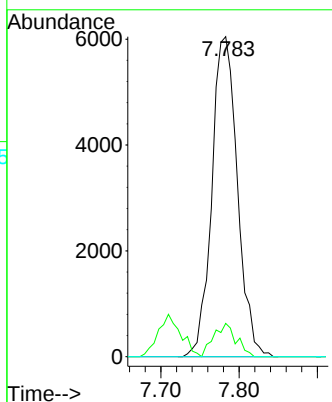
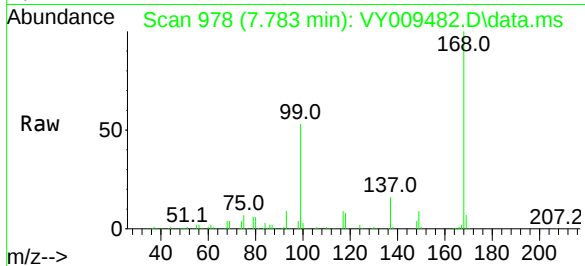




#36
 1,1-Dichloropropene
 Concen: 5.284 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY009482.D
 Acq: 08 Jul 2022 15:00

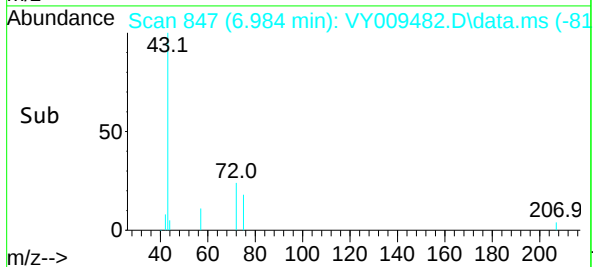
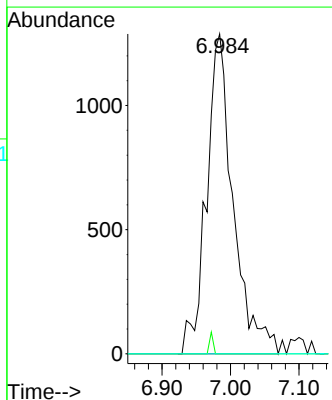
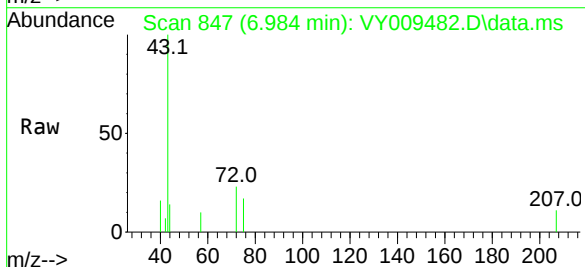
Instrument :
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 20220487B-5B

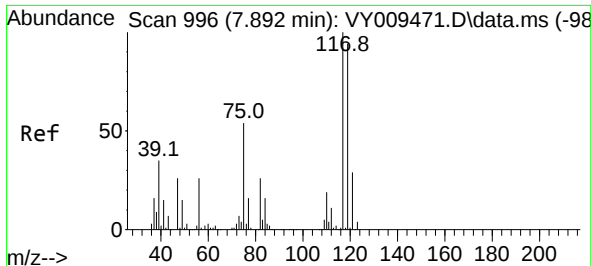
Tgt Ion: 75 Resp: 13725
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.1 51.2#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 2.137 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. -0.079 min
 Lab File: VY009482.D
 Acq: 08 Jul 2022 15:00

Tgt Ion: 43 Resp: 3479
 Ion Ratio Lower Upper
 43 100
 61 0.9 9.7 14.5#
 70 0.0 7.1 10.7#

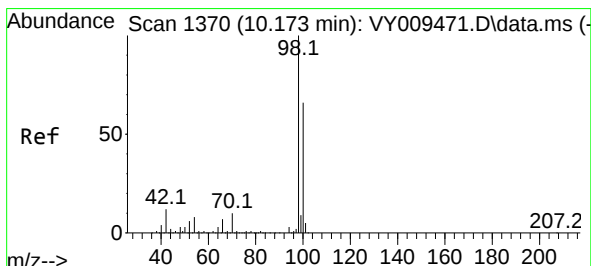
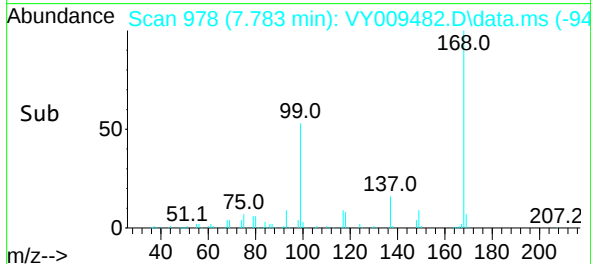
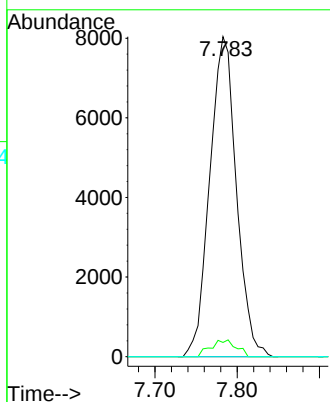
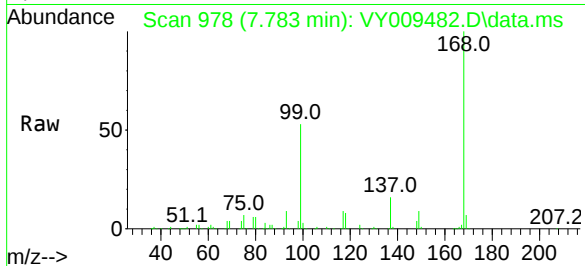




#38
Carbon Tetrachloride
Concen: 6.528 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009482.D
Acq: 08 Jul 2022 15:00

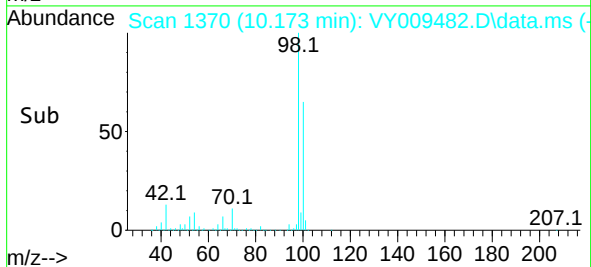
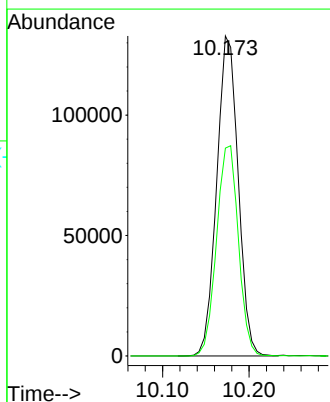
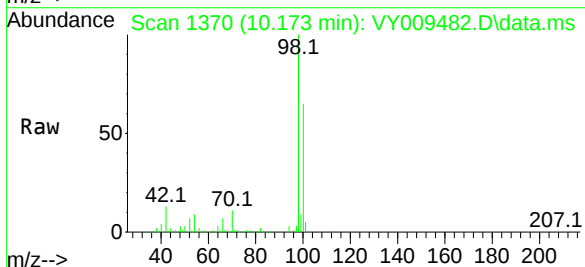
Instrument :
MSVOA_Y
ClientSampleId :
20220487B-5B

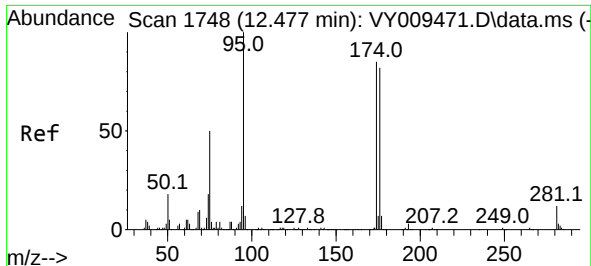
Tgt Ion:117 Resp: 18133
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.721 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009482.D
Acq: 08 Jul 2022 15:00

Tgt Ion: 98 Resp: 228671
Ion Ratio Lower Upper
98 100
100 67.0 50.2 75.2

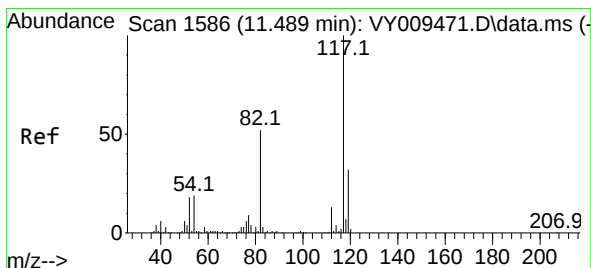
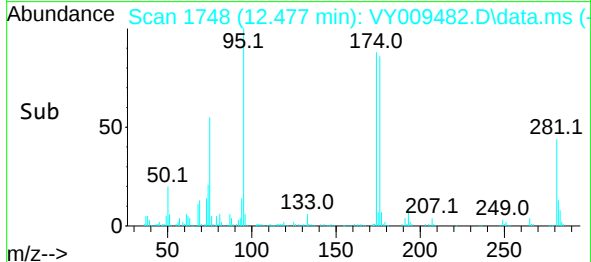
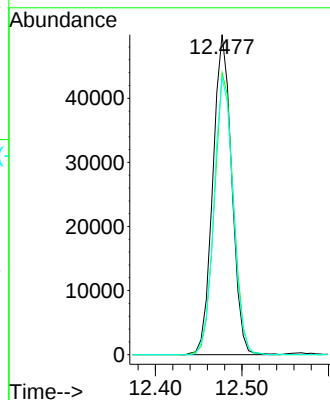
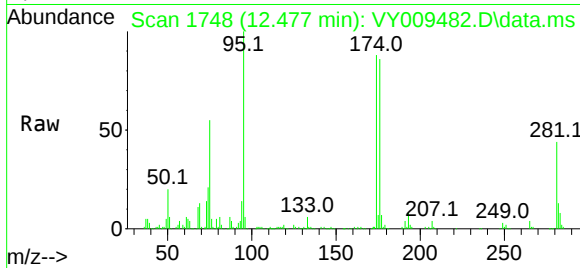




#62
4-Bromofluorobenzene
Concen: 33.531 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009482.D
Acq: 08 Jul 2022 15:00

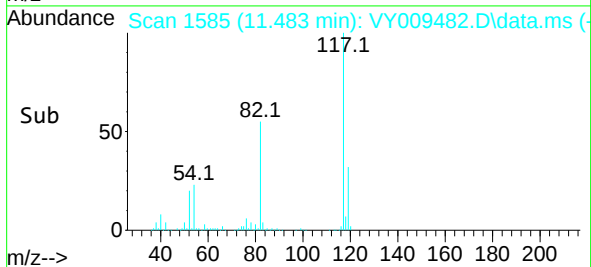
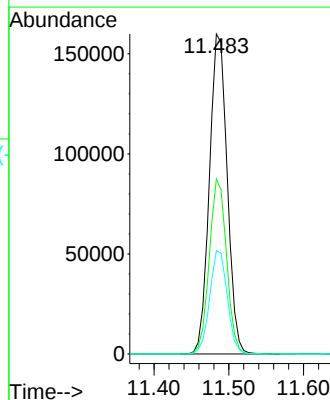
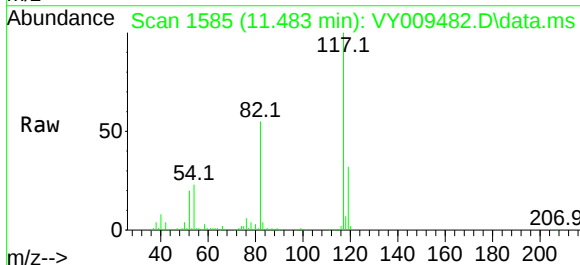
Instrument :
MSVOA_Y
ClientSampleId :
20220487B-5B

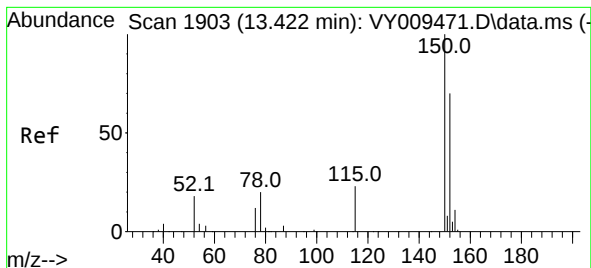
Tgt Ion: 95 Resp: 75510
Ion Ratio Lower Upper
95 100
174 88.8 0.0 177.0
176 88.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY009482.D
Acq: 08 Jul 2022 15:00

Tgt Ion: 117 Resp: 264653
Ion Ratio Lower Upper
117 100
82 54.7 43.0 64.4
119 32.3 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: VY009482.D

Acq: 08 Jul 2022 15:00

Instrument :

MSVOA_Y

ClientSampleId :

20220487B-5B

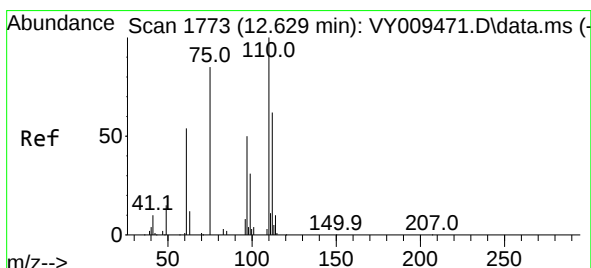
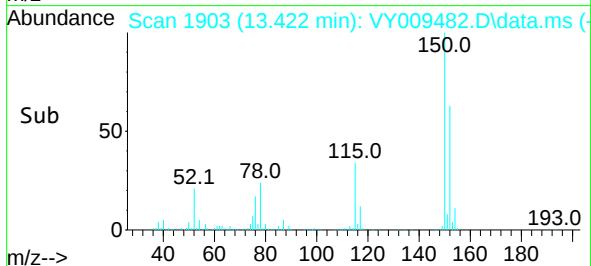
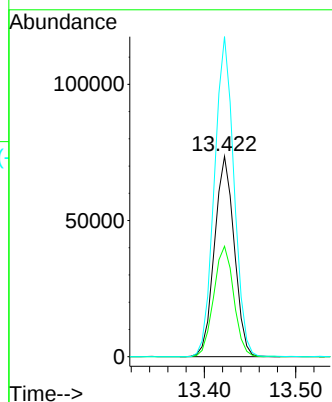
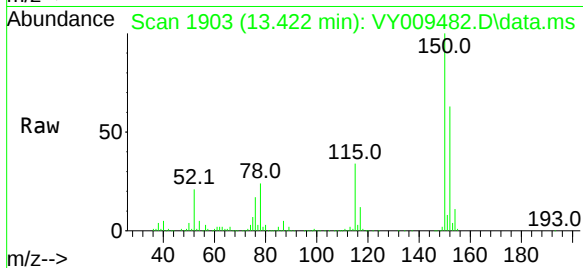
Tgt Ion:152 Resp: 110531

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.7

150 158.5 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 35.095 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009482.D

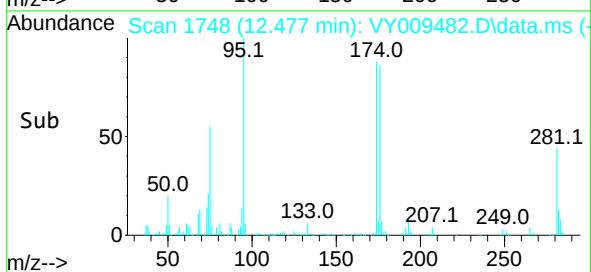
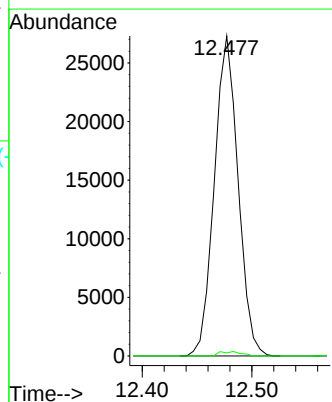
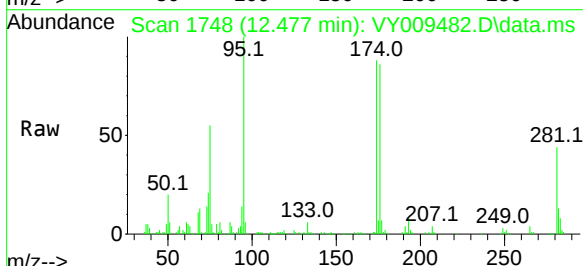
Acq: 08 Jul 2022 15:00

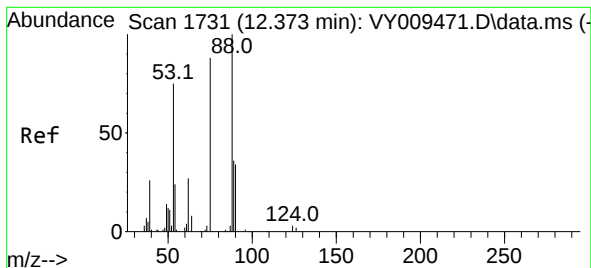
Tgt Ion: 75 Resp: 41063

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.826 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009482.D
 Acq: 08 Jul 2022 15:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220487B-5B

Tgt Ion: 75 Resp: 41063
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 1.2 37.0 55.4#

