

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
 Data File : VY009586.D
 Acq On : 19 Jul 2022 13:54
 Operator : KP/MD
 Sample : N3716-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Jul 19 15:12:30 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)

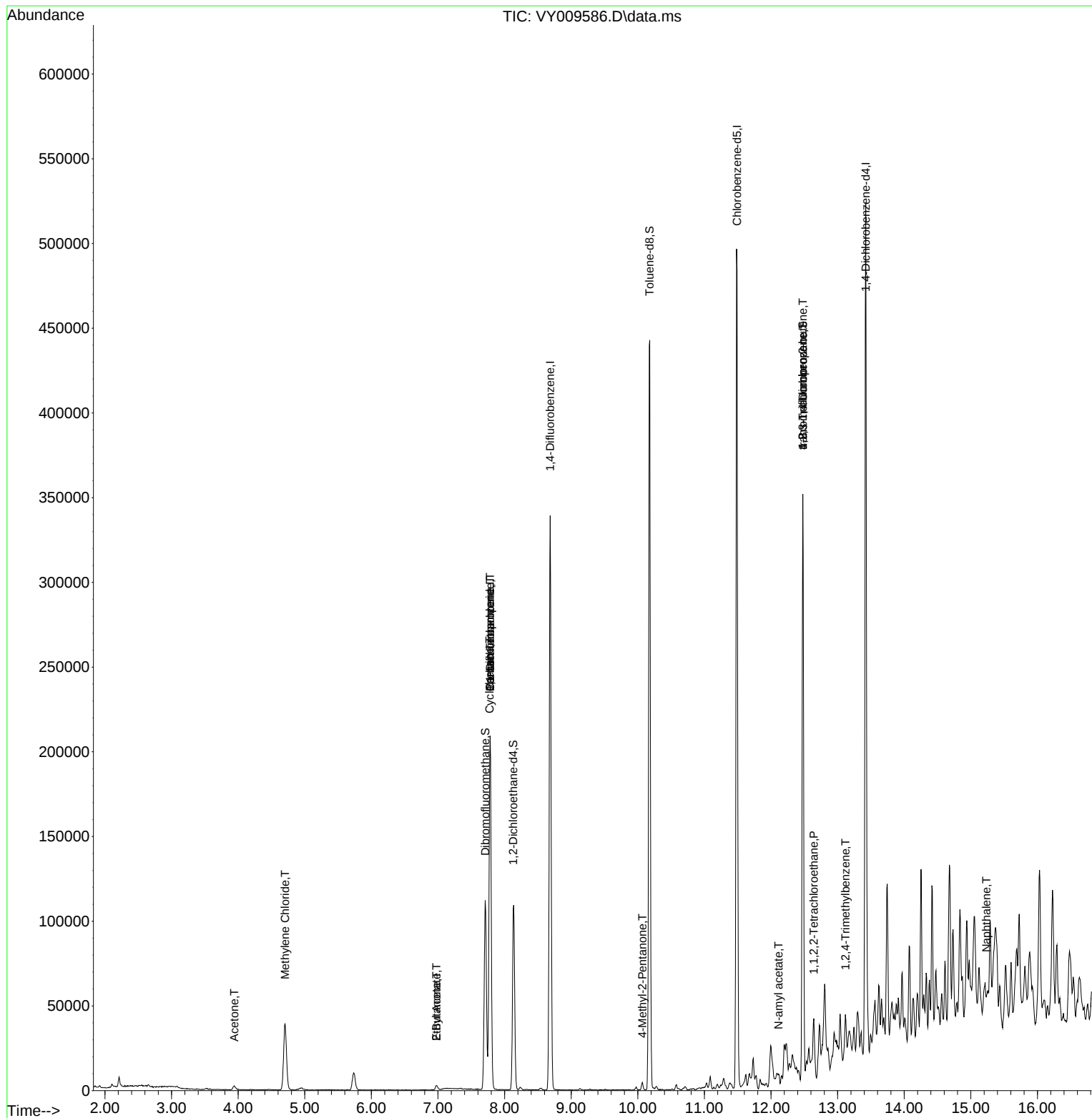
Internal Standards						
1) Pentafluorobenzene	7.783	168	174604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	294190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	278721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	83023	50.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.560%	
35) Dibromofluoromethane	7.710	113	79499	42.894	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.780%	
50) Toluene-d8	10.179	98	297246	41.719	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 83.440%	
62) 4-Bromofluorobenzene	12.477	95	97762	42.345	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 84.680%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1304	Below Cal	#	77
16) Acetone	3.942	43	4163	9.966	ug/l	98
20) Methylene Chloride	4.704	84	29949	5.475	ug/l	85
25) 2-Butanone	6.978	43	5027	8.250	ug/l	96
31) Cyclohexane	7.777	56	3180	1.092	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12568	4.589	ug/l #	51
37) Ethyl Acetate	6.978	43	5027	3.298	ug/l #	72
38) Carbon Tetrachloride	7.783	117	15895	5.544	ug/l #	15
51) 4-Methyl-2-Pentanone	10.069	43	3015	2.079	ug/l	93
74) N-amyl acetate	12.111	43	2545	1.042	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.642	83	2433	1.323	ug/l #	62
76) 1,2,3-Trichloropropane	12.477	75	50328	39.831	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50328	78.539	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	11672	1.538	ug/l	99
95) Naphthalene	15.233	128	4941	1.033	ug/l #	83

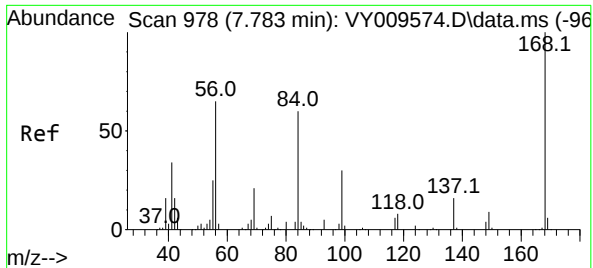
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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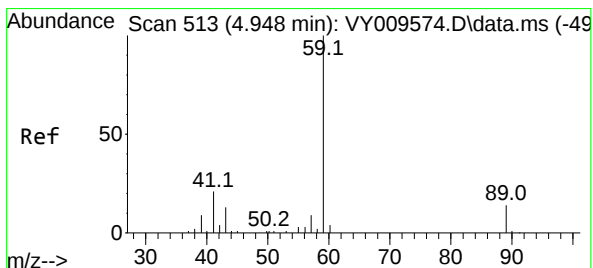
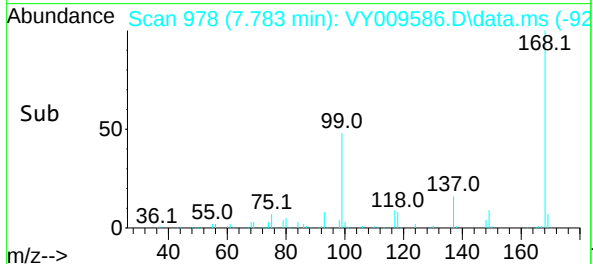
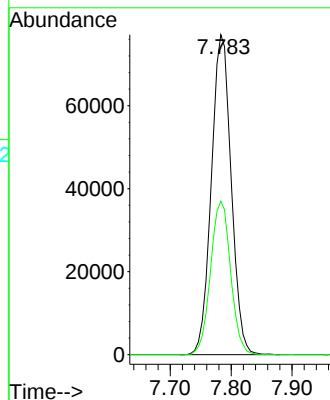
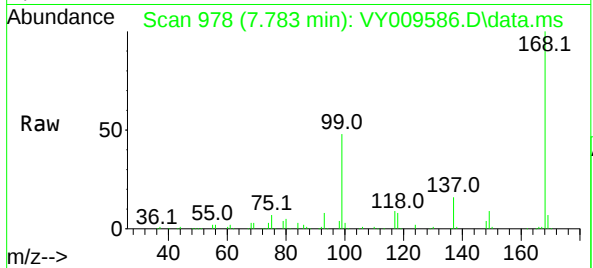




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

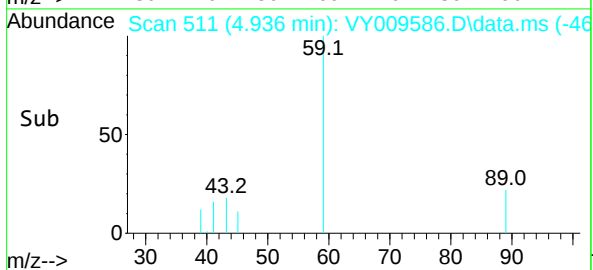
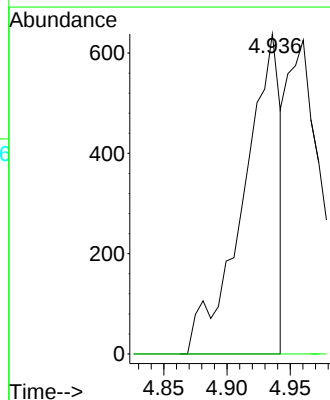
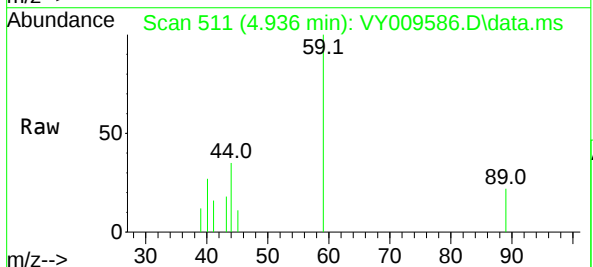
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

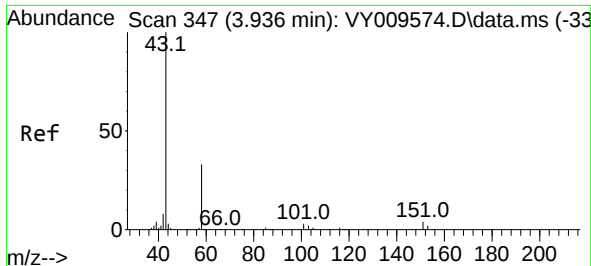
Tgt Ion:168 Resp: 174604
Ion Ratio Lower Upper
168 100
99 47.9 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

Tgt Ion: 59 Resp: 1304
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 9.966 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY009586.D

Acq: 19 Jul 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

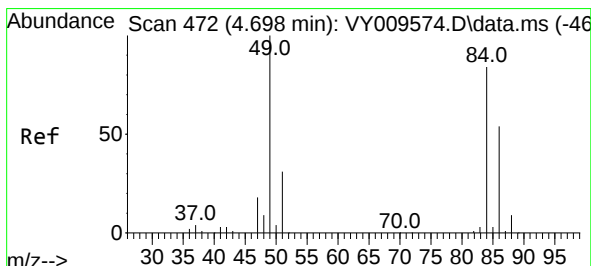
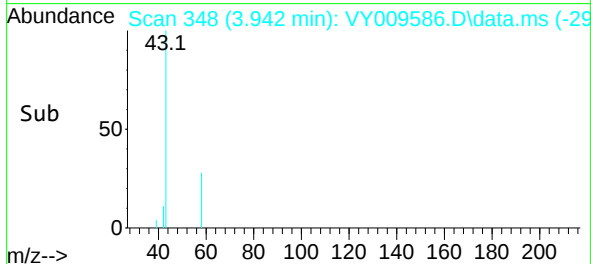
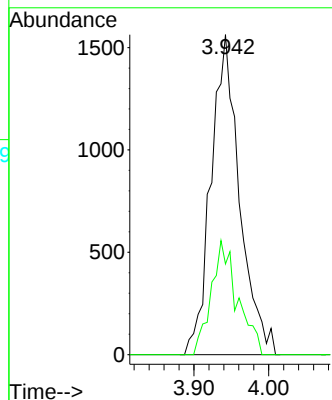
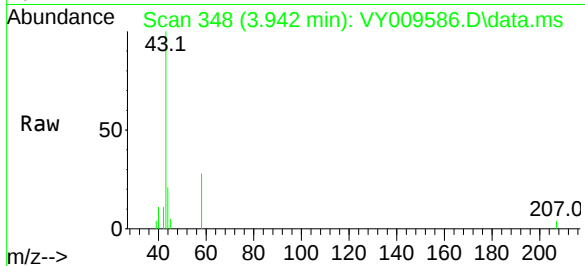
COMP-1

Tgt Ion: 43 Resp: 4163

Ion Ratio Lower Upper

43 100

58 28.3 22.0 33.0



#20

Methylene Chloride

Concen: 5.475 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY009586.D

Acq: 19 Jul 2022 13:54

Tgt Ion: 84 Resp: 29949

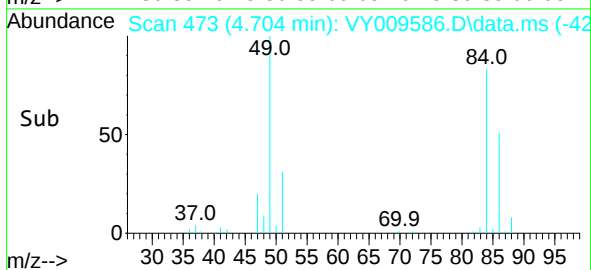
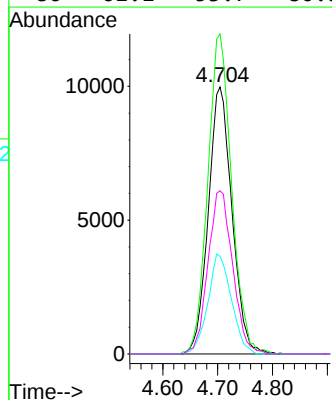
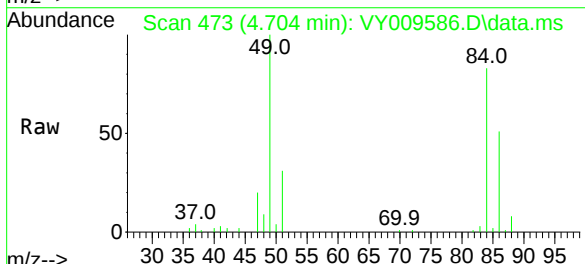
Ion Ratio Lower Upper

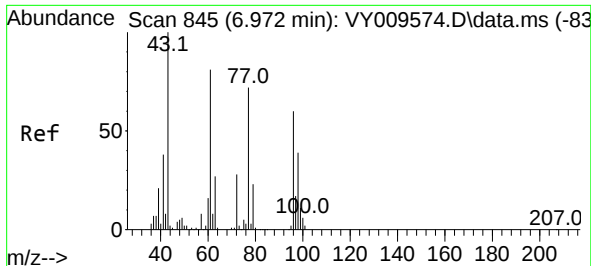
84 100

49 119.9 114.4 171.6

51 36.6 35.3 52.9

86 61.1 53.7 80.5

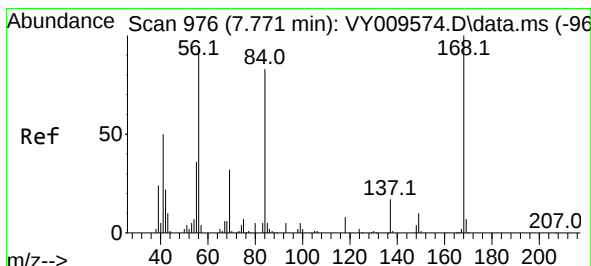
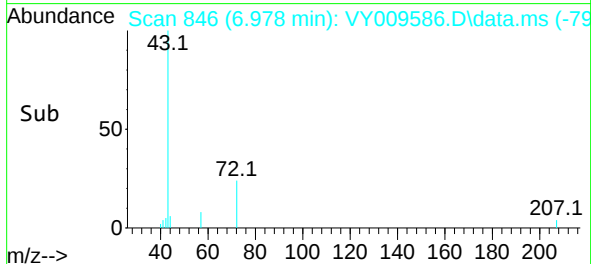
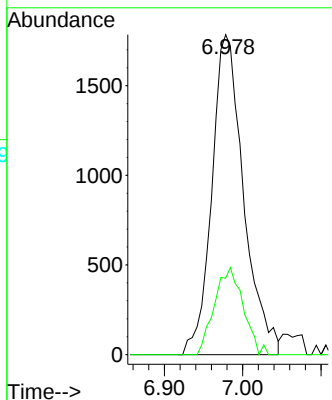
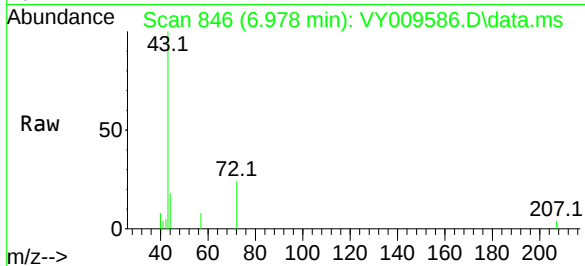




#25
2-Butanone
Concen: 8.250 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

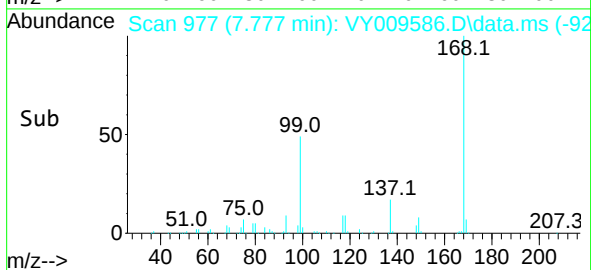
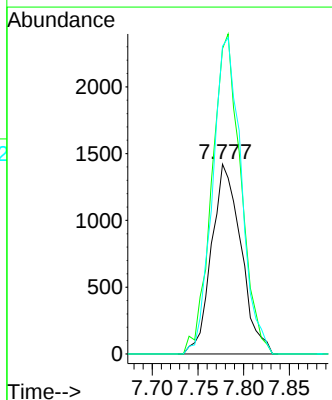
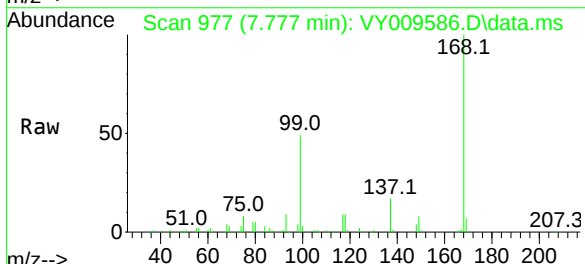
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

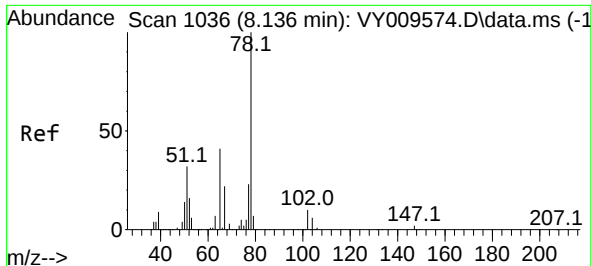
Tgt Ion: 43 Resp: 5027
Ion Ratio Lower Upper
43 100
72 23.9 17.7 26.5



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.777 min Scan# 977
Delta R.T. 0.006 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

Tgt Ion: 56 Resp: 3180
Ion Ratio Lower Upper
56 100
69 160.9 26.7 40.1#
84 162.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.277 ug/l

RT: 8.130 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY009586.D

Acq: 19 Jul 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

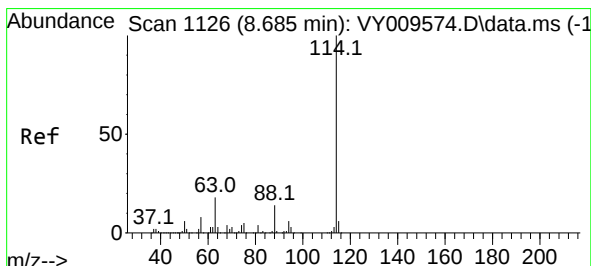
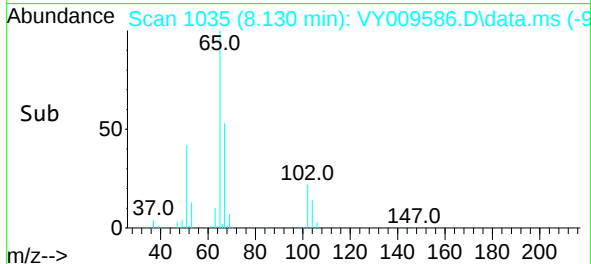
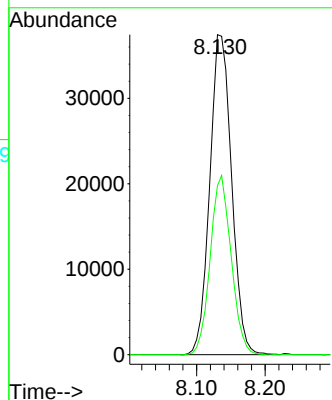
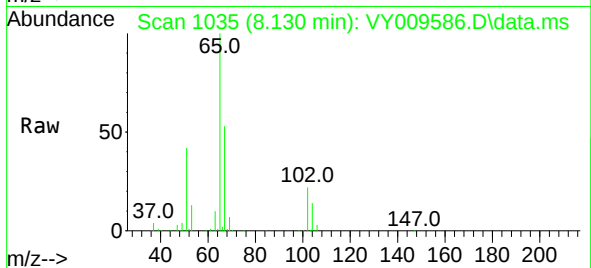
COMP-1

Tgt Ion: 65 Resp: 83023

Ion Ratio Lower Upper

65 100

67 53.7 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: VY009586.D

Acq: 19 Jul 2022 13:54

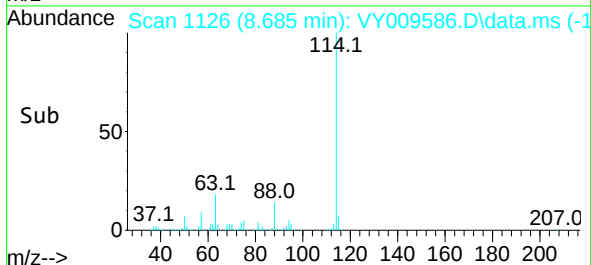
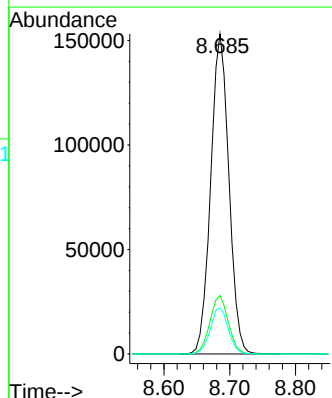
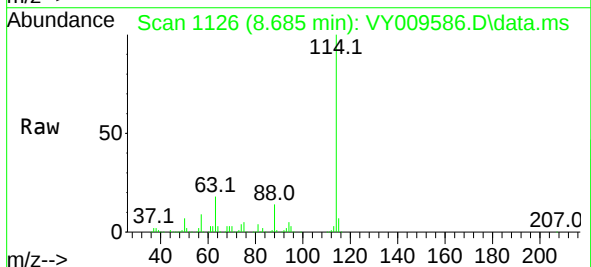
Tgt Ion:114 Resp: 294190

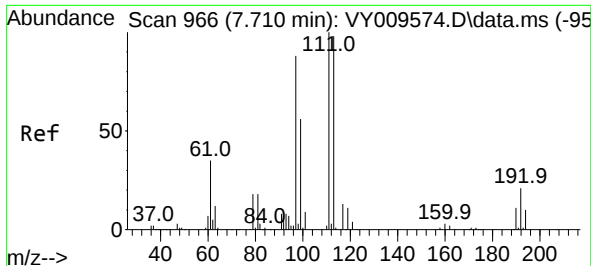
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

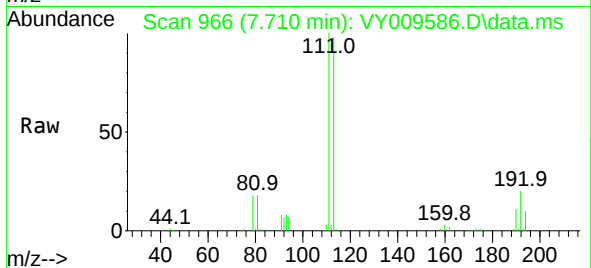
88 14.4 0.0 31.8



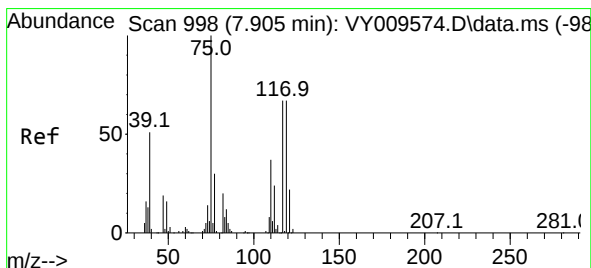
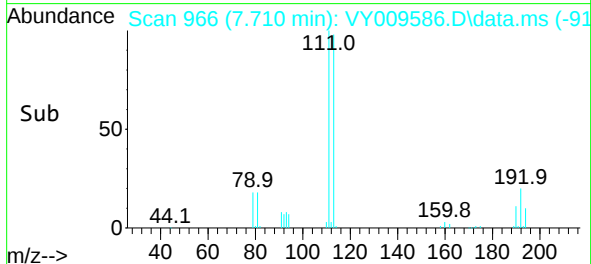
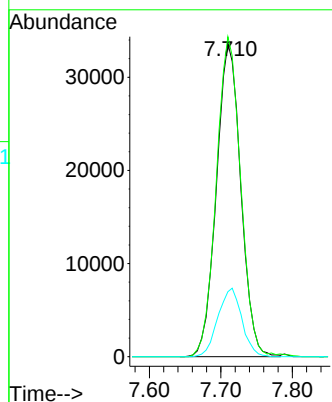


#35
Dibromofluoromethane
Concen: 42.894 ug/l
RT: 7.710 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

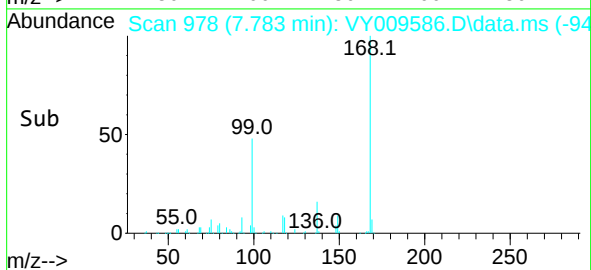
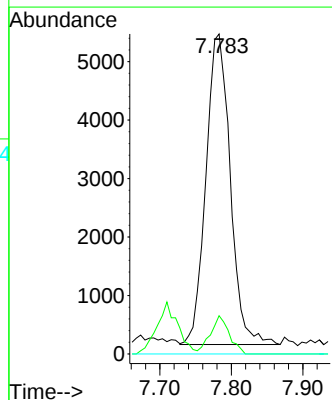
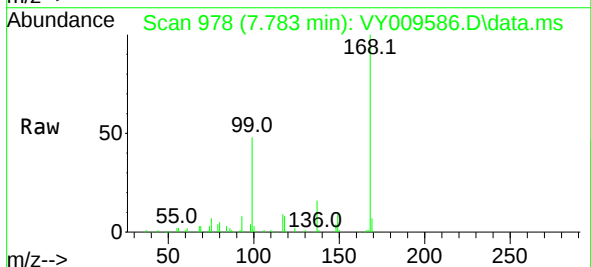


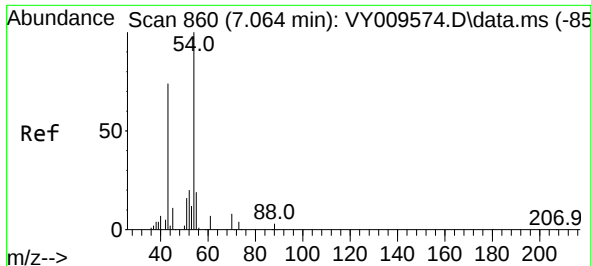
Tgt Ion:113 Resp: 79499
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 21.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.589 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

Tgt Ion: 75 Resp: 12568
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.298 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY009586.D

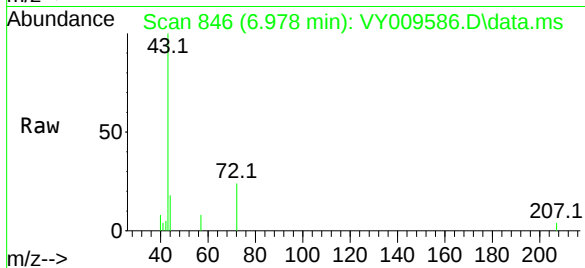
Acq: 19 Jul 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

COMP-1



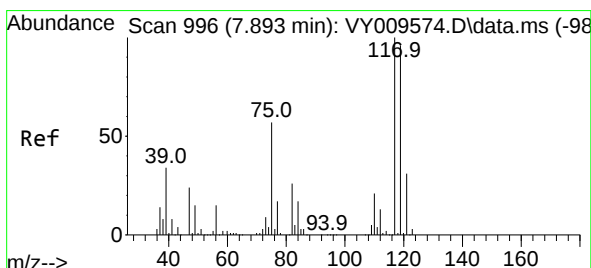
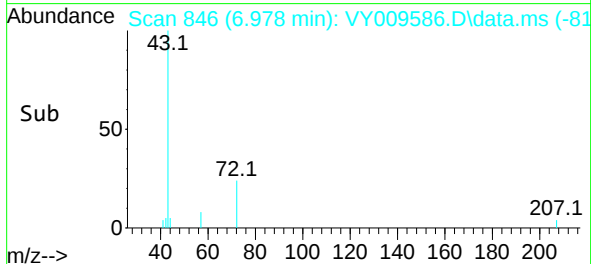
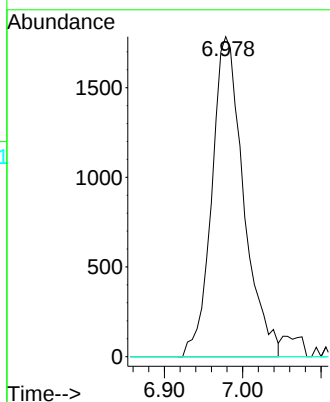
Tgt Ion: 43 Resp: 5027

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.544 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY009586.D

Acq: 19 Jul 2022 13:54

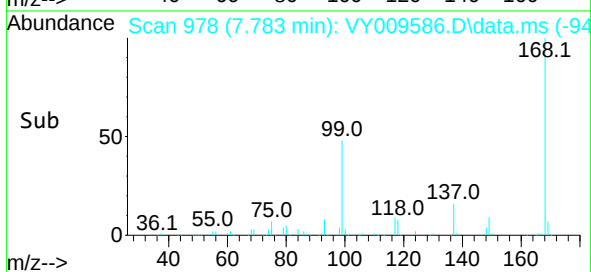
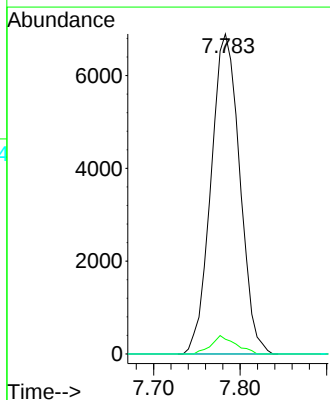
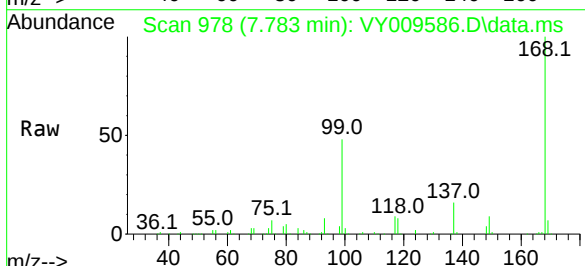
Tgt Ion: 117 Resp: 15895

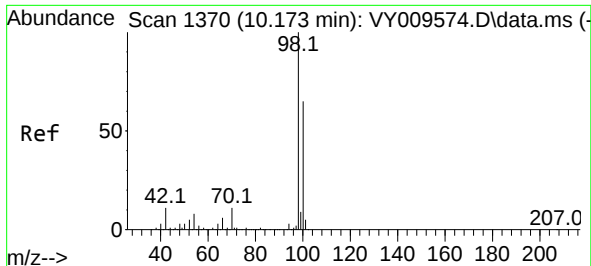
Ion Ratio Lower Upper

117 100

119 4.6 77.9 116.9#

121 0.0 24.8 37.2#

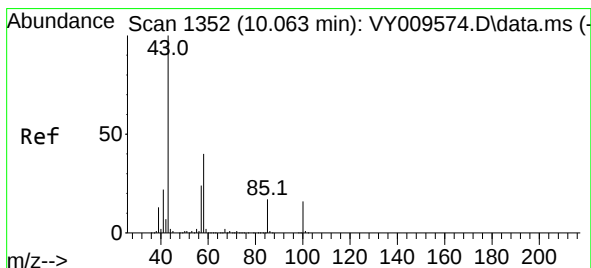
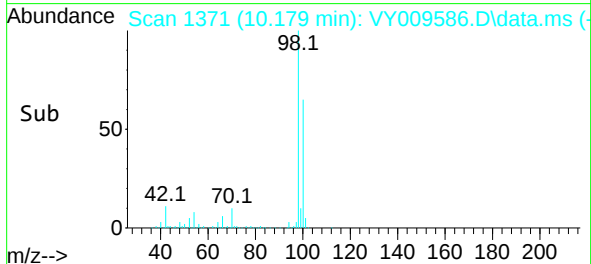
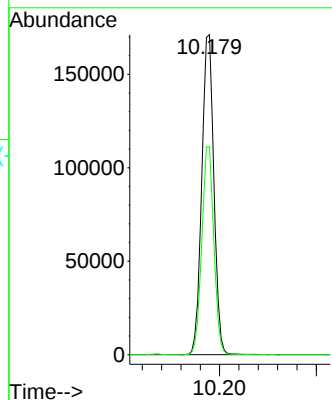
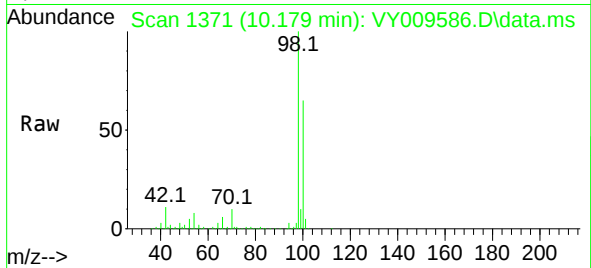




#50
Toluene-d8
Concen: 41.719 ug/l
RT: 10.179 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

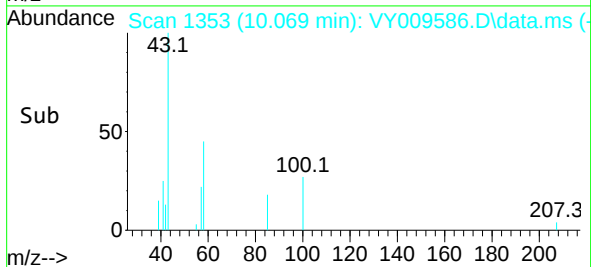
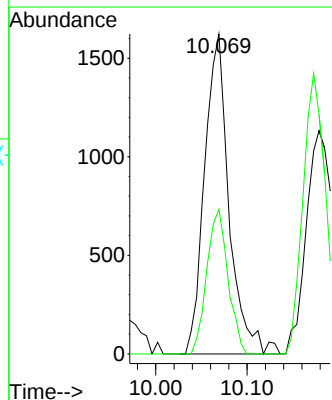
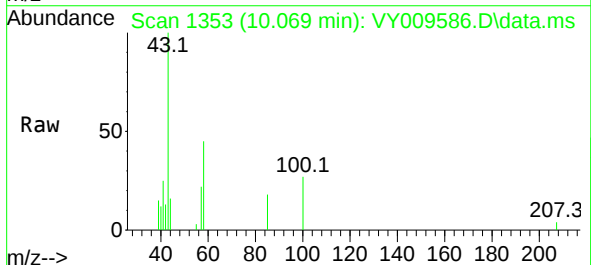
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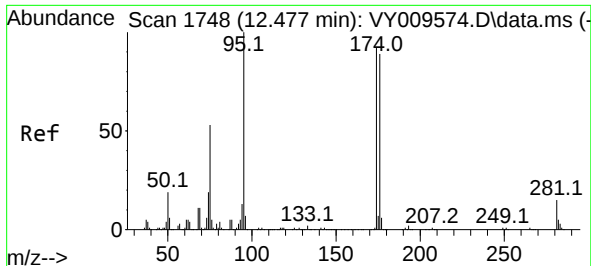
Tgt Ion: 98 Resp: 297246
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 2.079 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.006 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

Tgt Ion: 43 Resp: 3015
Ion Ratio Lower Upper
43 100
58 39.0 28.1 42.1

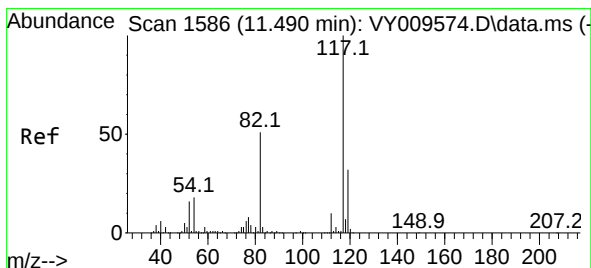
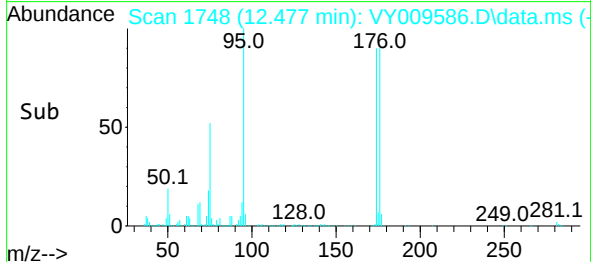
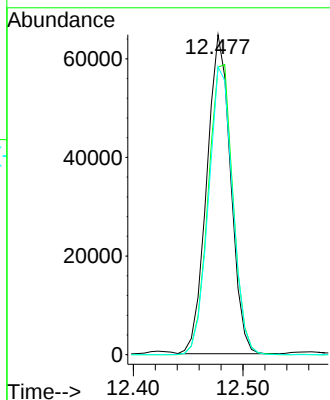
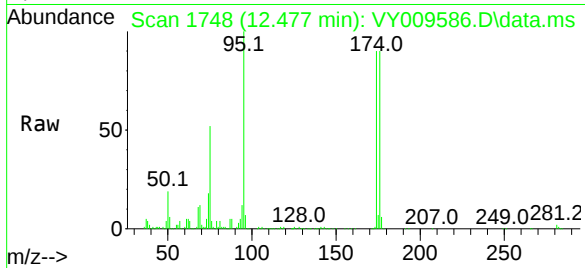




#62
4-Bromofluorobenzene
Concen: 42.345 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

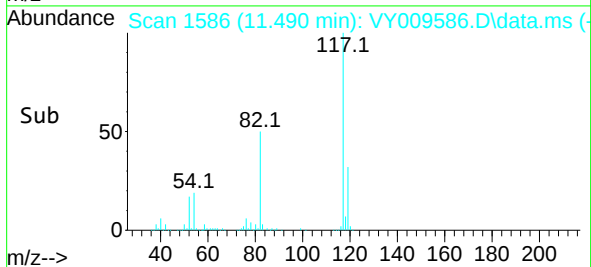
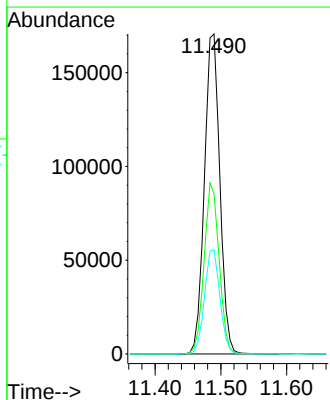
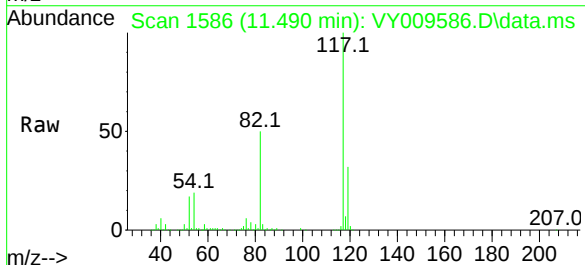
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

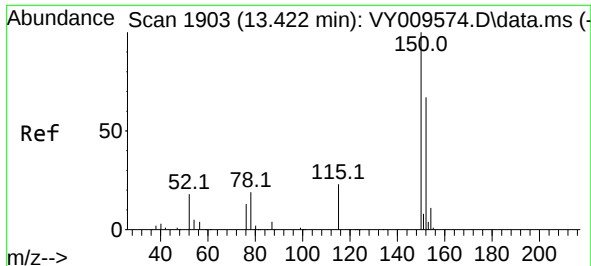
Tgt Ion: 95 Resp: 97762
Ion Ratio Lower Upper
95 100
174 94.7 0.0 177.0
176 91.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

Tgt Ion: 117 Resp: 278721
Ion Ratio Lower Upper
117 100
82 49.9 43.0 64.4
119 32.5 25.4 38.0

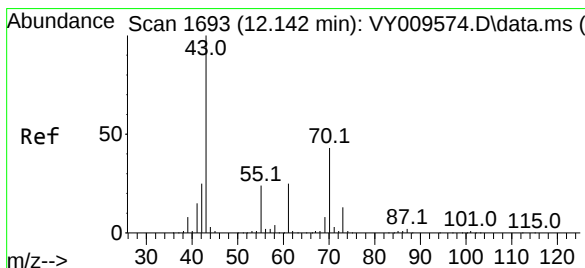
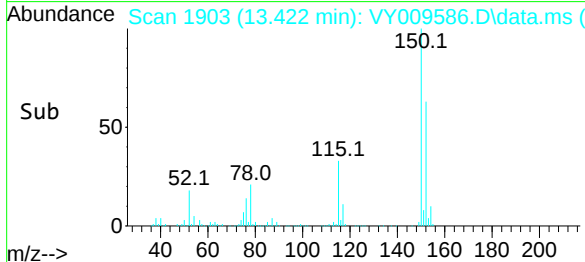
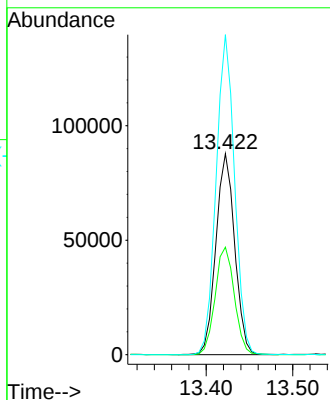
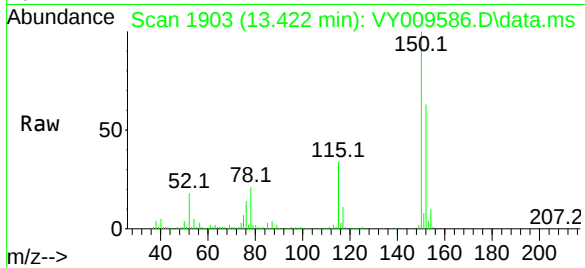




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

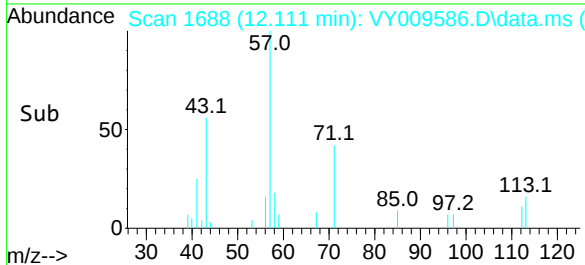
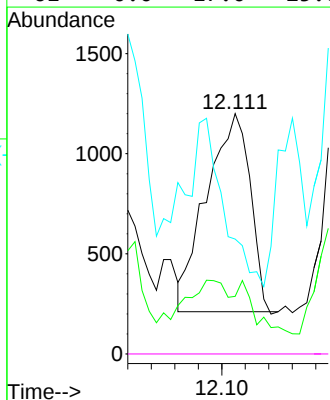
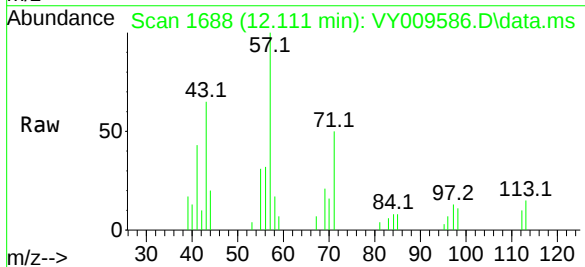
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

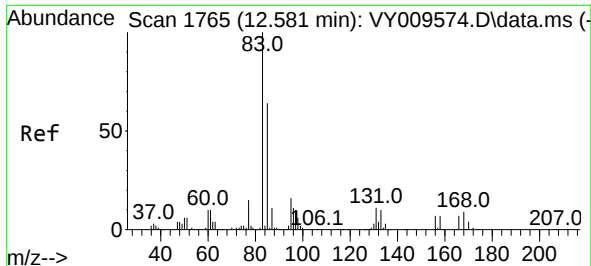
Tgt Ion:152 Resp: 132639
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 156.2 0.0 347.6



#74
N-ethyl acetate
Concen: 1.042 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.030 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

Tgt Ion: 43 Resp: 2545
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

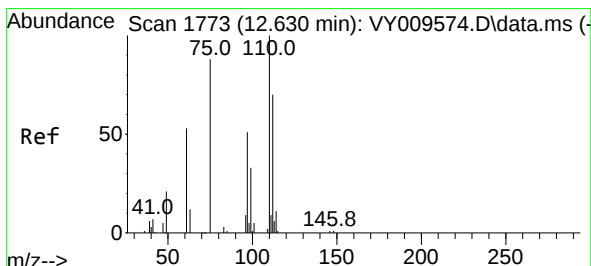
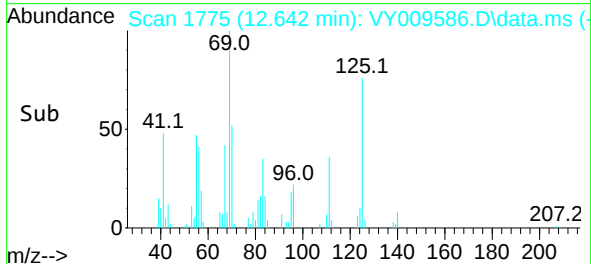
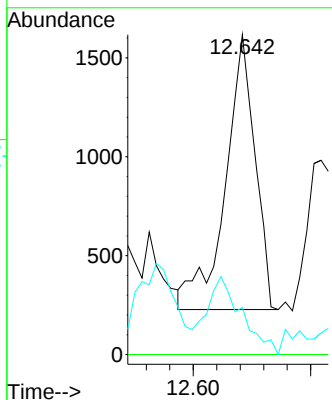
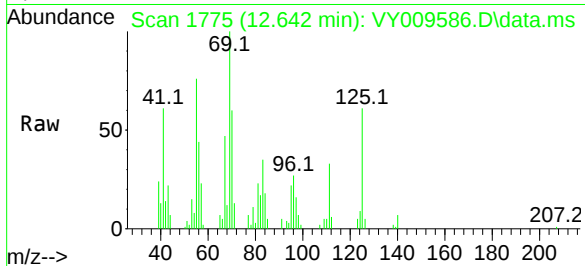




#75
1,1,2,2-Tetrachloroethane
Concen: 1.323 ug/l
RT: 12.642 min Scan# 1775
Delta R.T. 0.061 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

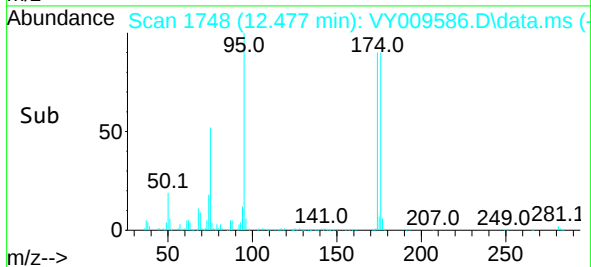
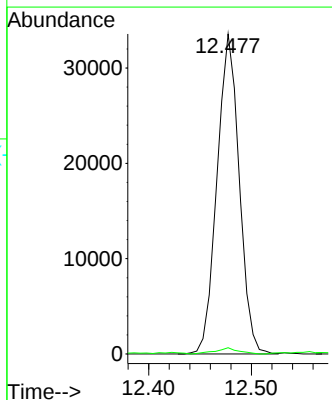
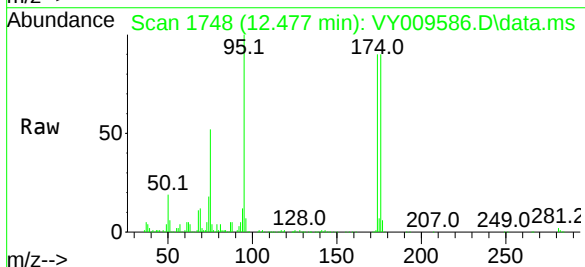
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

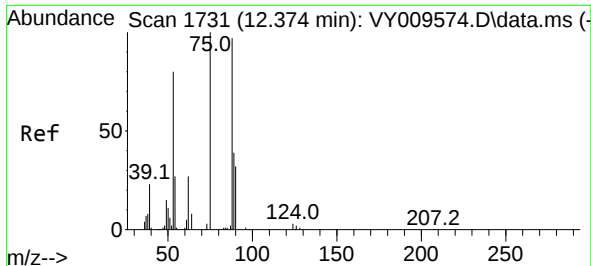
Tgt Ion: 83 Resp: 2433
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 33.5 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 39.831 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009586.D
Acq: 19 Jul 2022 13:54

Tgt Ion: 75 Resp: 50328
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#

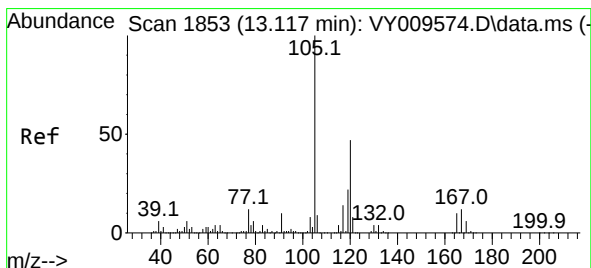
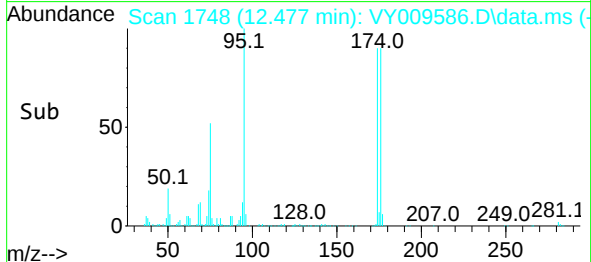
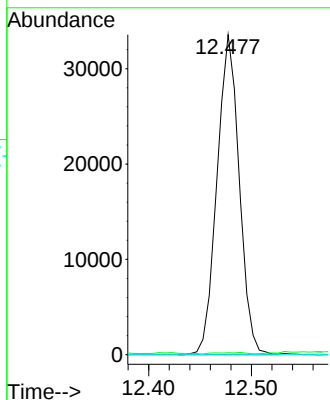
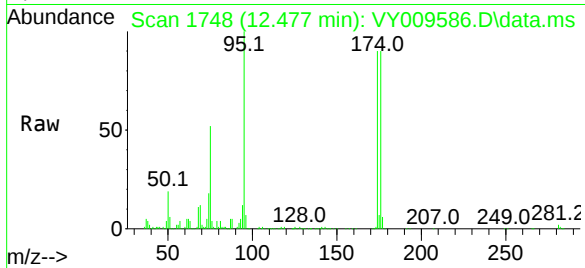




#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.539 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.104 min
 Lab File: VY009586.D
 Acq: 19 Jul 2022 13:54

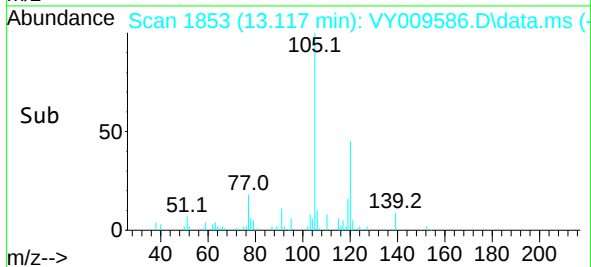
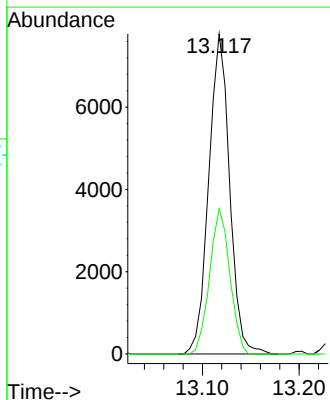
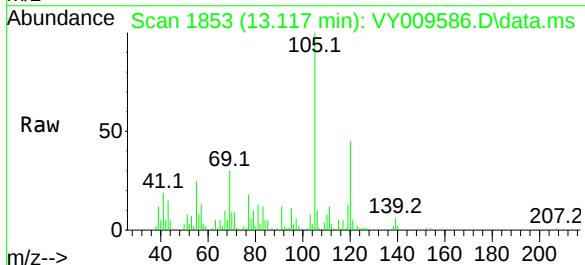
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

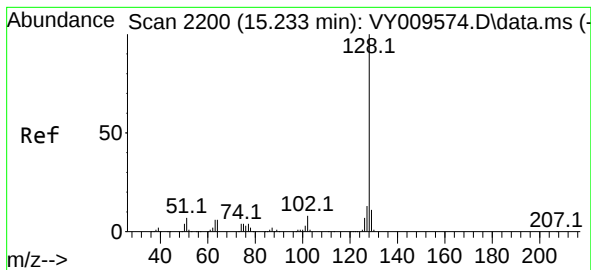
Tgt Ion: 75 Resp: 50328
 Ion Ratio Lower Upper
 75 100
 53 0.7 85.3 127.9#
 89 0.0 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.538 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY009586.D
 Acq: 19 Jul 2022 13:54

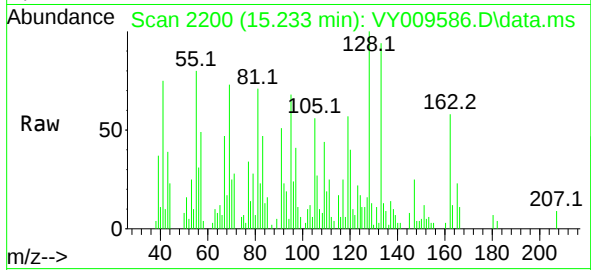
Tgt Ion: 105 Resp: 11672
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.3 66.9





#95
 Naphthalene
 Concen: 1.033 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY009586.D
 Acq: 19 Jul 2022 13:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1



Tgt Ion:128 Resp: 4941
 Ion Ratio Lower Upper
 128 100
 127 16.9 11.0 16.4#
 129 0.0 8.4 12.6#

