

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009724.D
 Acq On : 27 Jul 2022 15:05
 Operator : KP/MD
 Sample : N3891-07
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 7897-W

Quant Time: Jul 28 02:45:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

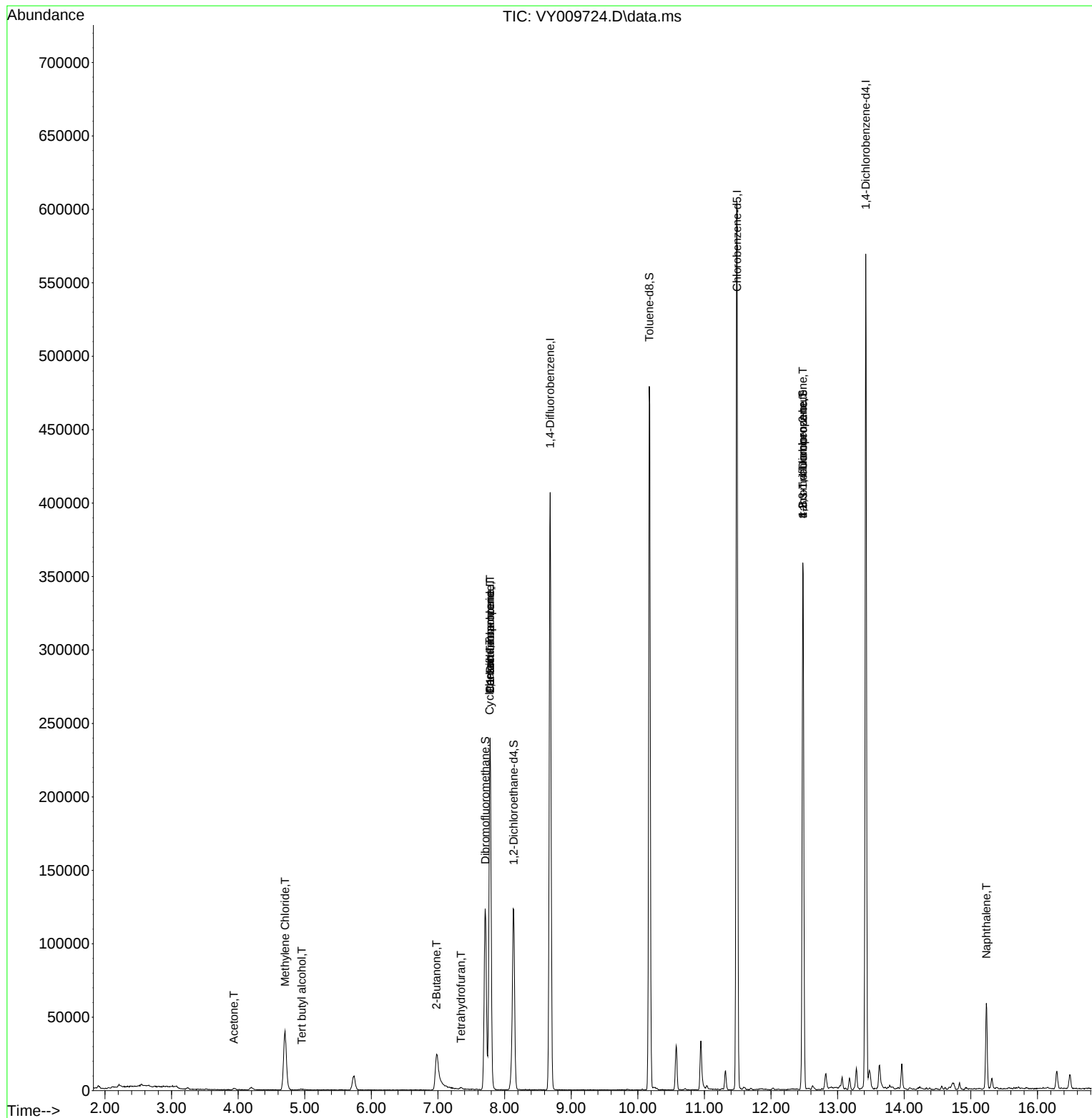
Internal Standards						
1) Pentafluorobenzene	7.783	168	196723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	357096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	90142	71.012	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.020%			
35) Dibromofluoromethane	7.710	113	87767	45.191	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.380%			
50) Toluene-d8	10.173	98	318214	56.839	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery = 113.680%			
62) 4-Bromofluorobenzene	12.477	95	98580	38.280	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery = 76.560%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.954	59	1170	5.248	ug/l #	77
16) Acetone	3.936	43	934	1.986	ug/l #	72
18) Methyl Acetate	4.460	43	227	Below Cal	#	56
20) Methylene Chloride	4.704	84	29990	4.463	ug/l	88
25) 2-Butanone	6.978	43	1478	2.130	ug/l #	83
29) Tetrahydrofuran	7.344	42	794	1.807	ug/l	95
31) Cyclohexane	7.777	56	3522	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13663	4.323	ug/l #	51
38) Carbon Tetrachloride	7.783	117	17666	5.217	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	50800	36.188	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50800	72.133	ug/l #	8
95) Naphthalene	15.233	128	50311	9.452	ug/l	98

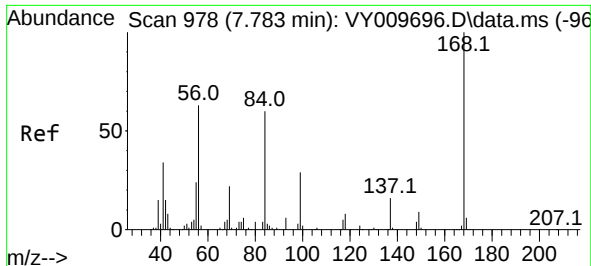
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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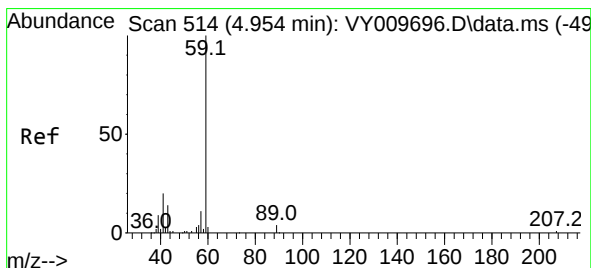
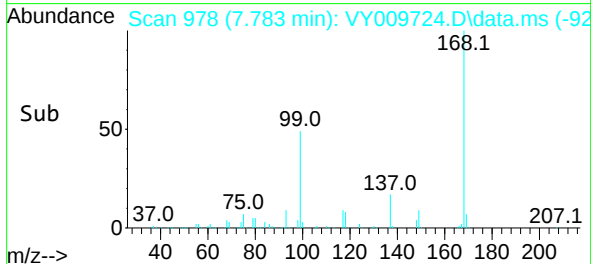
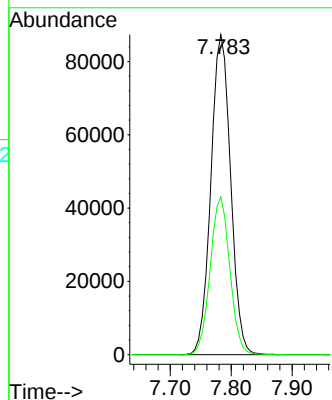
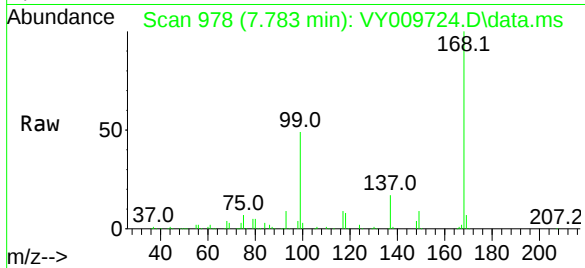




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

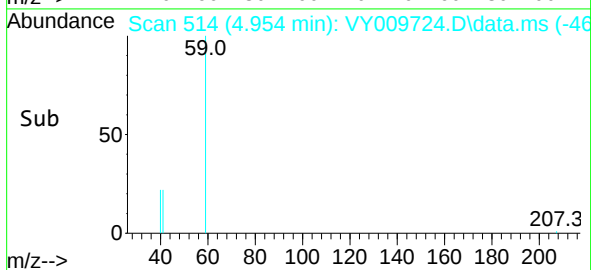
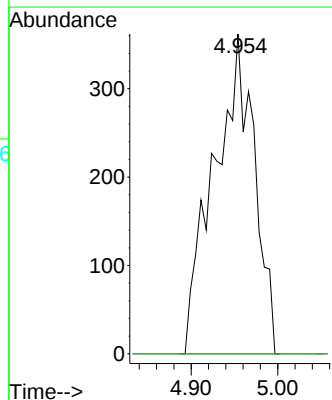
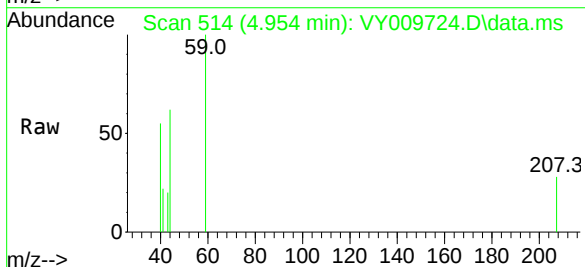
Instrument :
MSVOA_Y
ClientSampleId :
7897-W

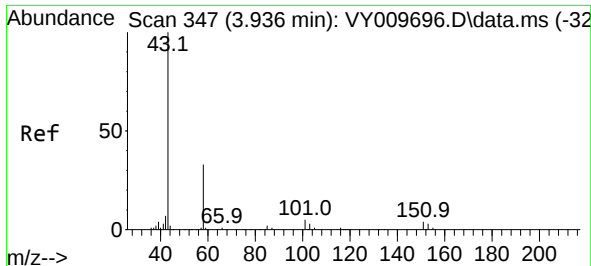
Tgt Ion:168 Resp: 196723
Ion Ratio Lower Upper
168 100
99 49.3 46.9 70.3



#11
Tert butyl alcohol
Concen: 5.248 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

Tgt Ion: 59 Resp: 1170
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 1.986 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY009724.D

Acq: 27 Jul 2022 15:05

Instrument :

MSVOA_Y

ClientSampleId :

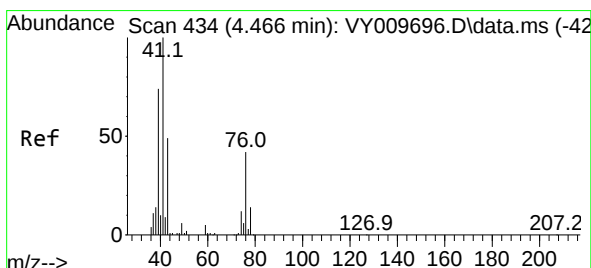
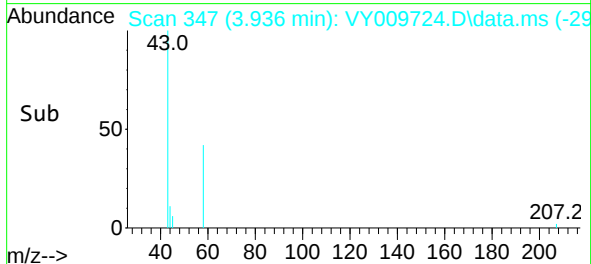
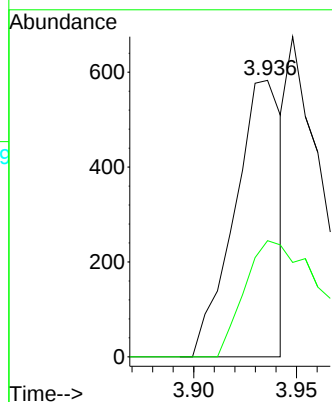
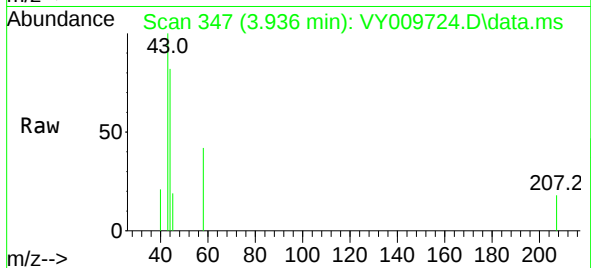
7897-W

Tgt Ion: 43 Resp: 934

Ion Ratio Lower Upper

43 100

58 42.0 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.460 min Scan# 433

Delta R.T. -0.006 min

Lab File: VY009724.D

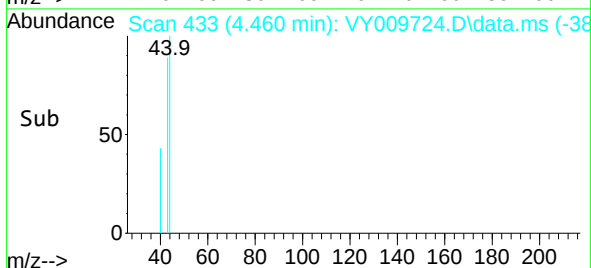
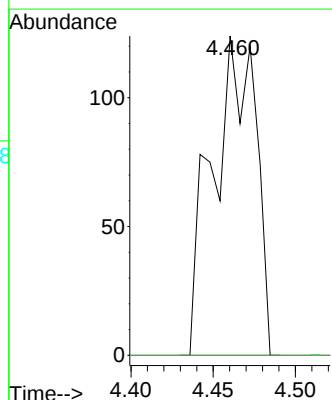
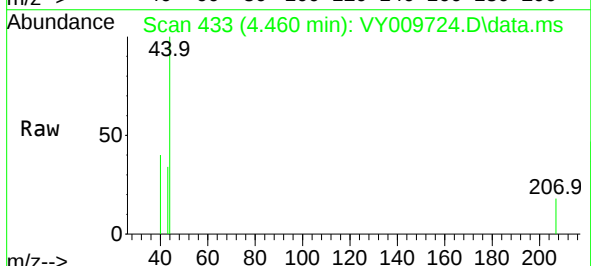
Acq: 27 Jul 2022 15:05

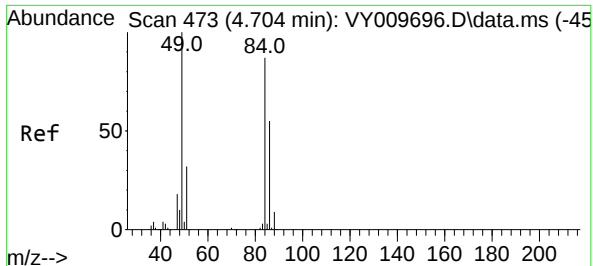
Tgt Ion: 43 Resp: 227

Ion Ratio Lower Upper

43 100

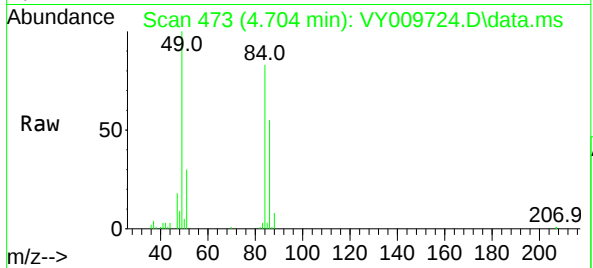
74 0.0 16.6 24.8#



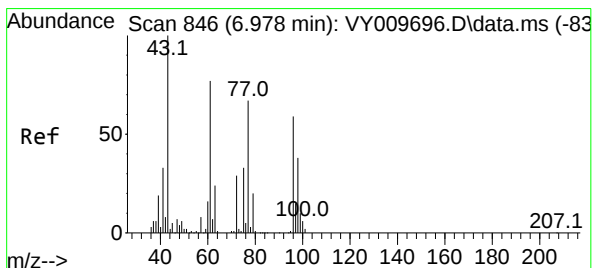
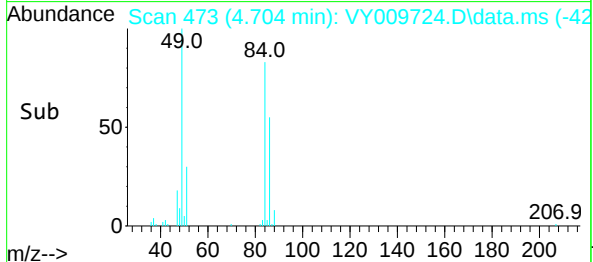
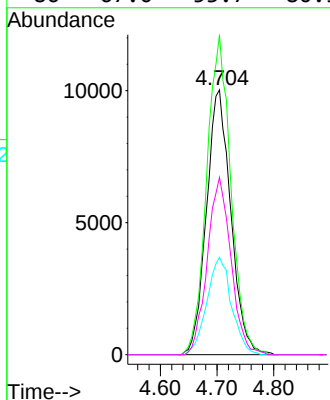


#20
Methylene Chloride
Concen: 4.463 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

Instrument :
MSVOA_Y
ClientSampleId :
7897-W

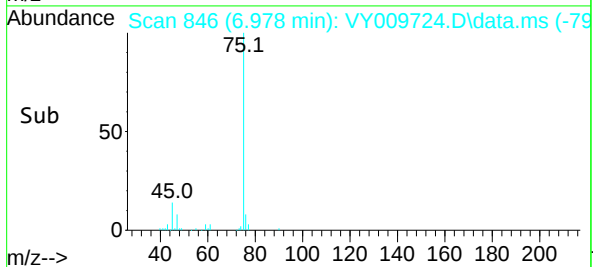
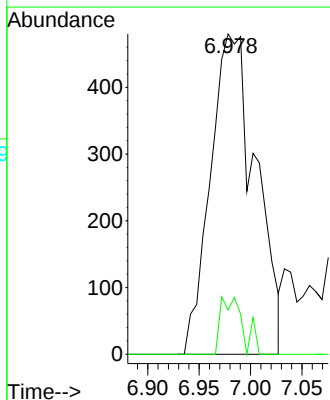
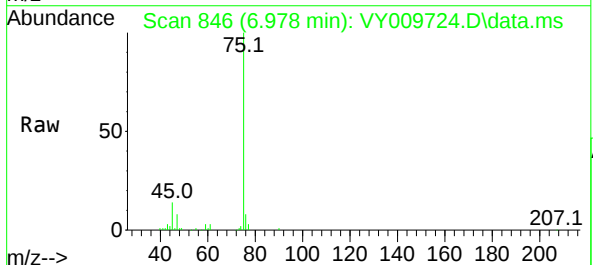


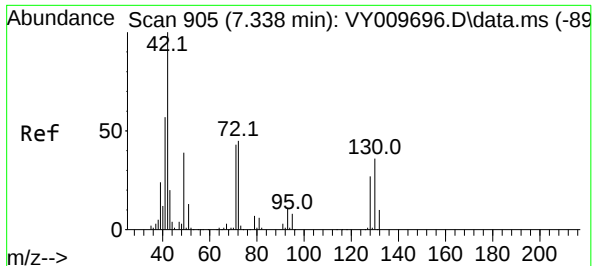
Tgt Ion:	84	Resp:	29990
Ion	Ratio	Lower	Upper
84	100		
49	120.8	114.4	171.6
51	36.8	35.3	52.9
86	67.0	53.7	80.5



#25
2-Butanone
Concen: 2.130 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

Tgt Ion:	43	Resp:	1478
Ion	Ratio	Lower	Upper
43	100		
72	13.7	17.7	26.5#





#29

Tetrahydrofuran

Concen: 1.807 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY009724.D

Acq: 27 Jul 2022 15:05

Instrument :

MSVOA_Y

ClientSampleId :

7897-W

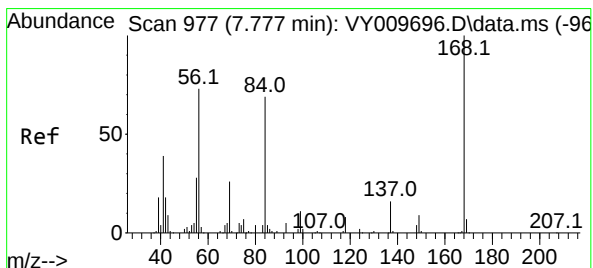
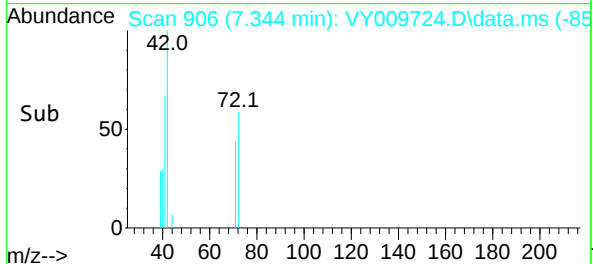
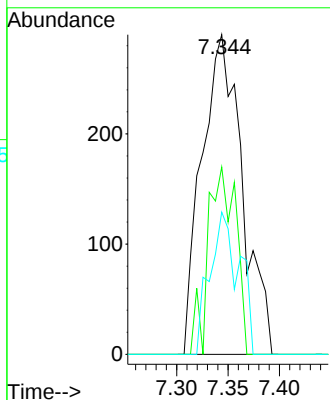
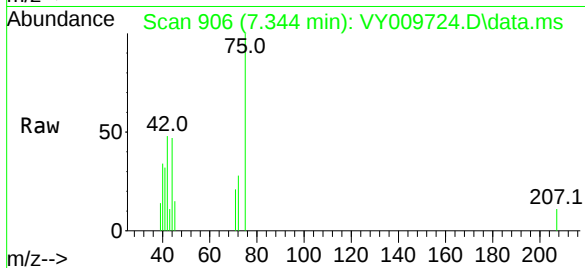
Tgt Ion: 42 Resp: 794

Ion Ratio Lower Upper

42 100

72 40.3 30.3 45.5

71 32.4 29.0 43.4



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY009724.D

Acq: 27 Jul 2022 15:05

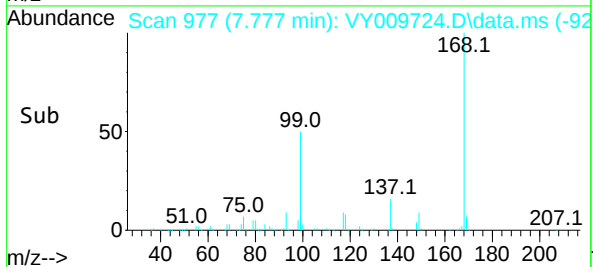
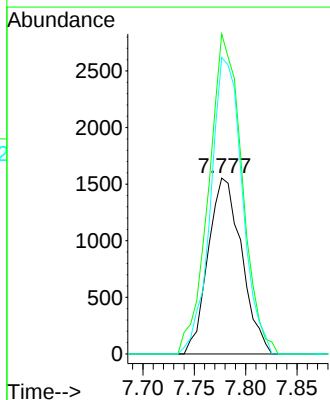
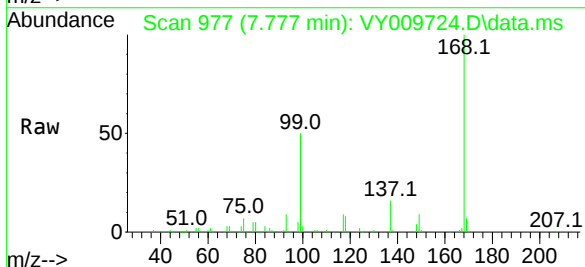
Tgt Ion: 56 Resp: 3522

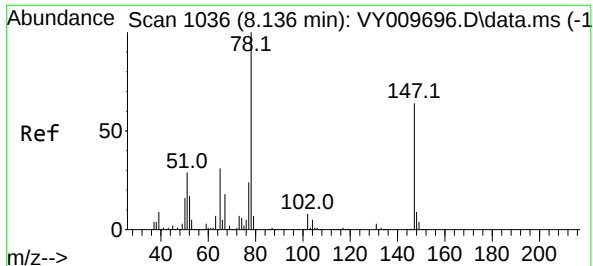
Ion Ratio Lower Upper

56 100

69 181.9 26.7 40.1#

84 168.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 71.012 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009724.D

Acq: 27 Jul 2022 15:05

Instrument :

MSVOA_Y

ClientSampleId :

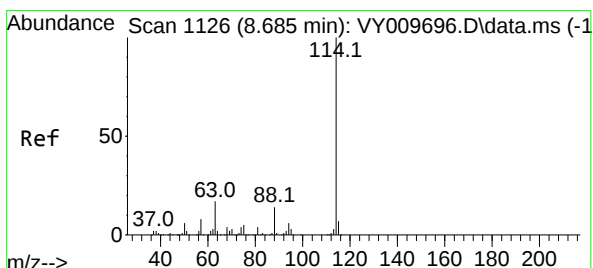
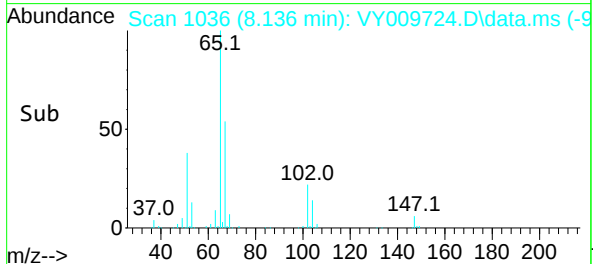
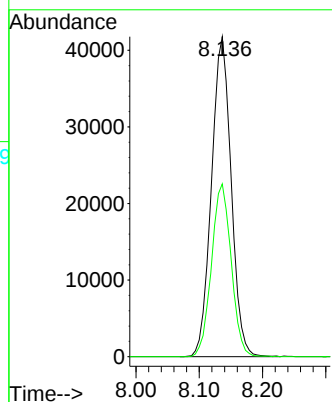
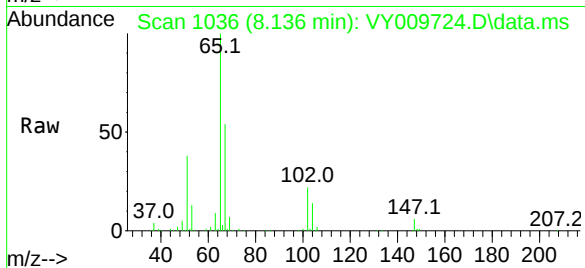
7897-W

Tgt Ion: 65 Resp: 90142

Ion Ratio Lower Upper

65 100

67 54.1 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: VY009724.D

Acq: 27 Jul 2022 15:05

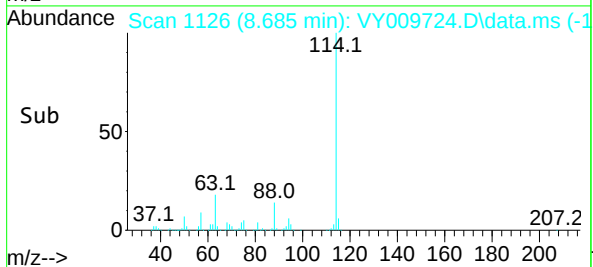
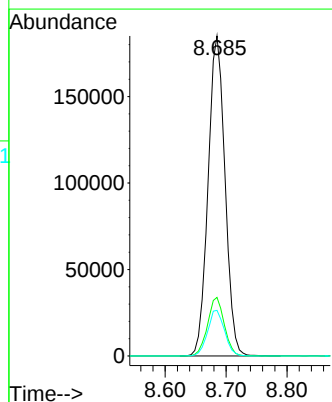
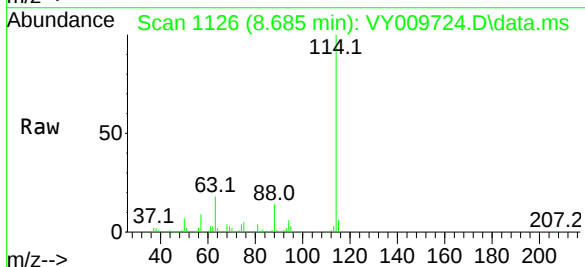
Tgt Ion: 114 Resp: 357096

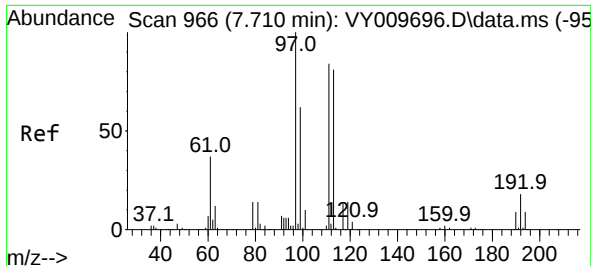
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 14.3 0.0 31.8

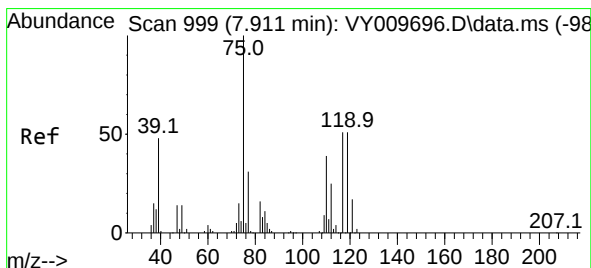
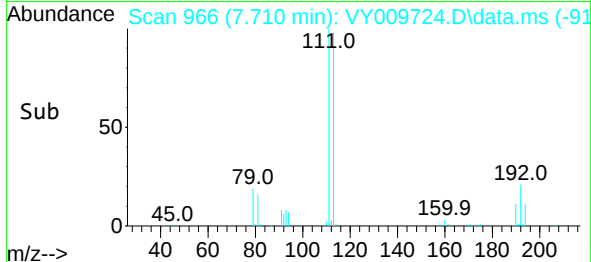
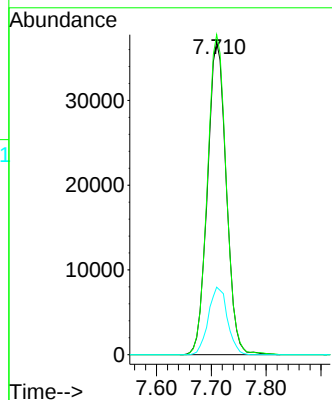
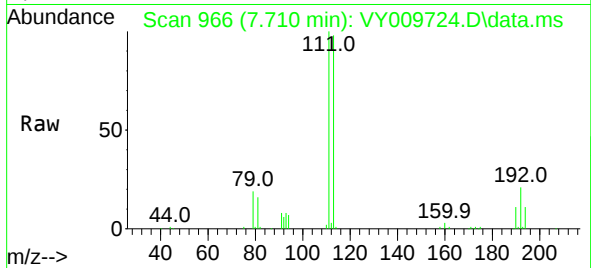




#35
Dibromofluoromethane
Concen: 45.191 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

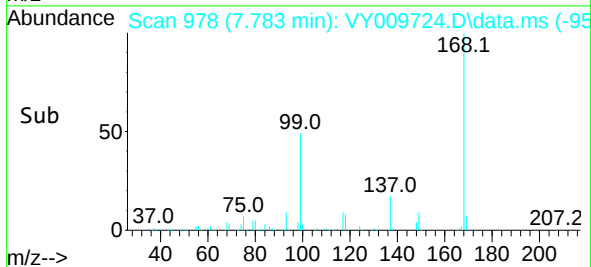
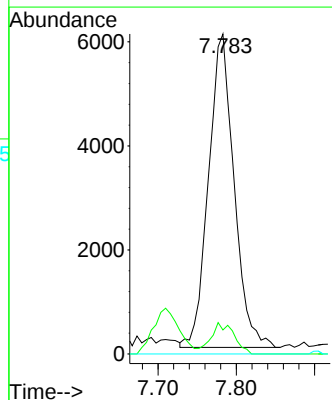
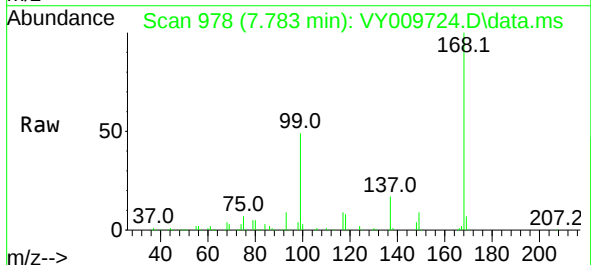
Instrument :
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7897-W

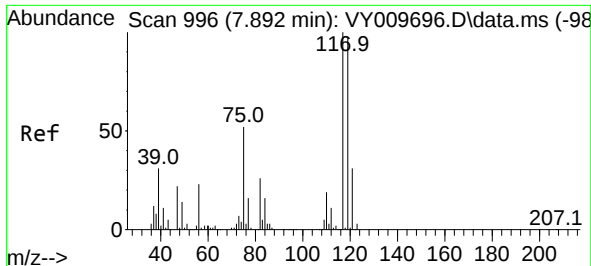
Tgt Ion:113 Resp: 87767
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 21.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.323 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

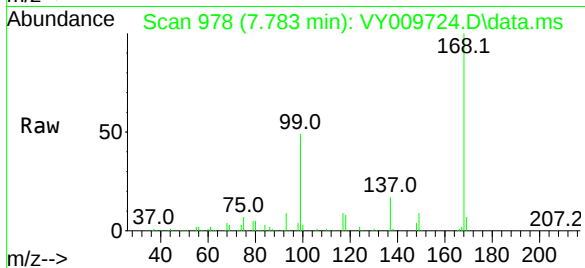
Tgt Ion: 75 Resp: 13663
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#



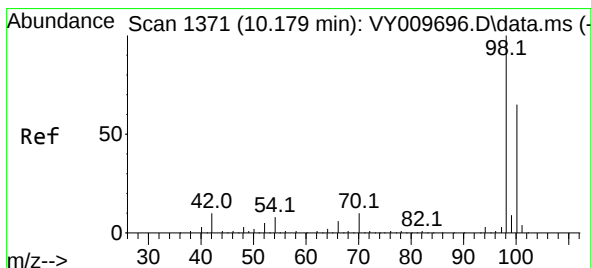
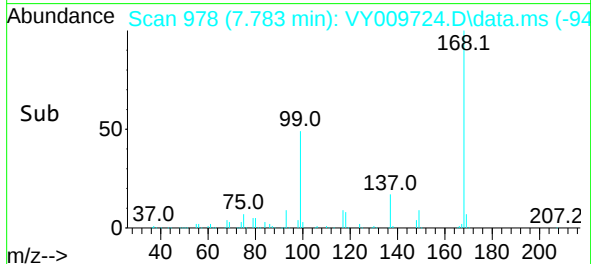
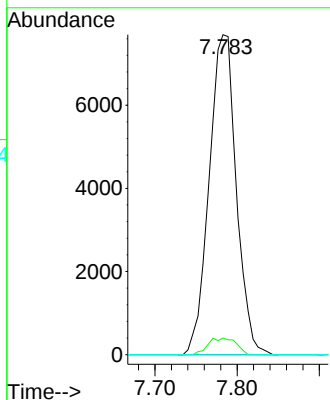


#38
Carbon Tetrachloride
Concen: 5.217 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

Instrument :
MSVOA_Y
ClientSampleId :
7897-W

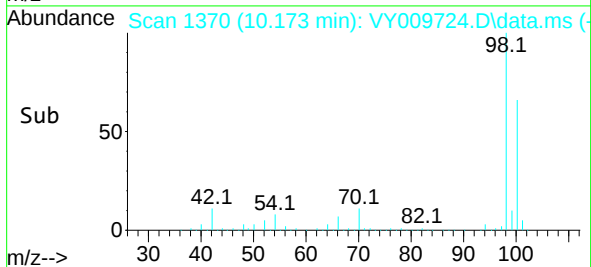
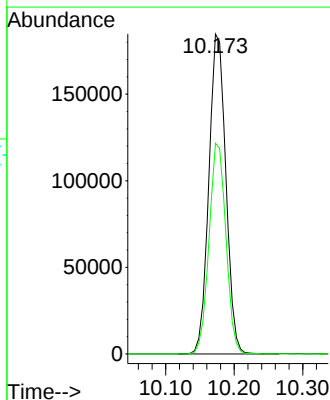
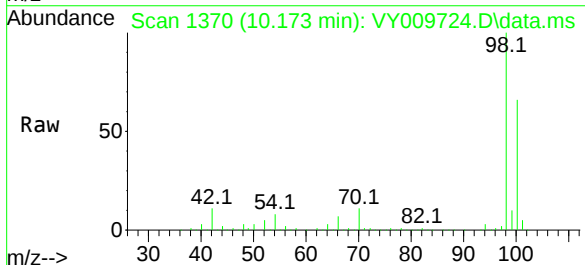


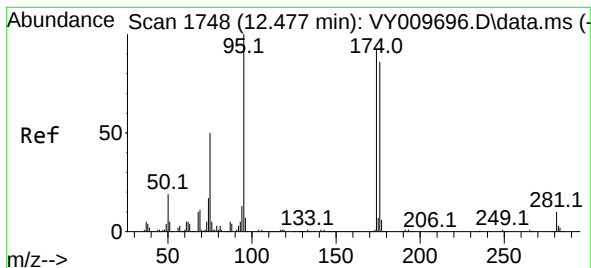
Tgt Ion:117 Resp: 17666
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 56.839 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

Tgt Ion: 98 Resp: 318214
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2

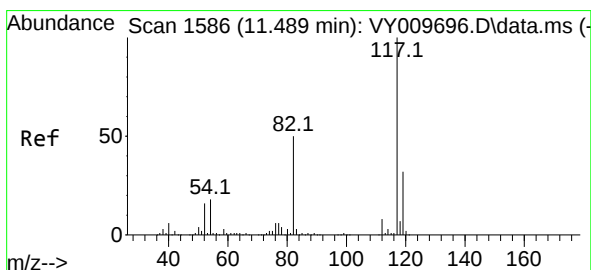
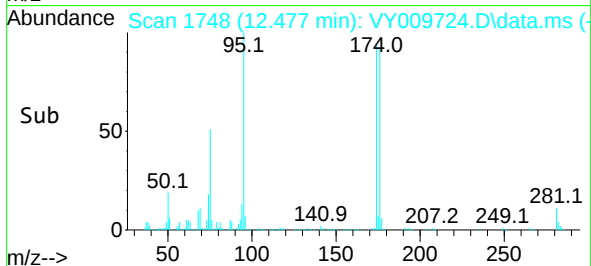
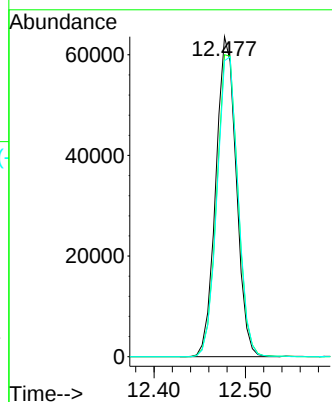
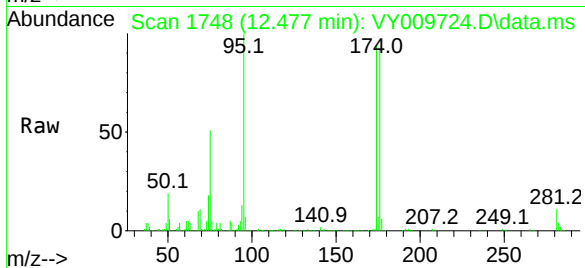




#62
4-Bromofluorobenzene
Concen: 38.280 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

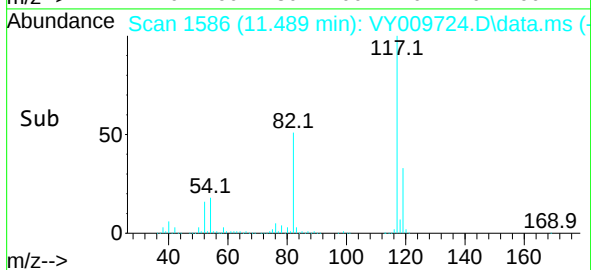
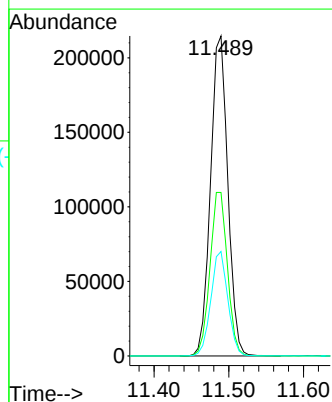
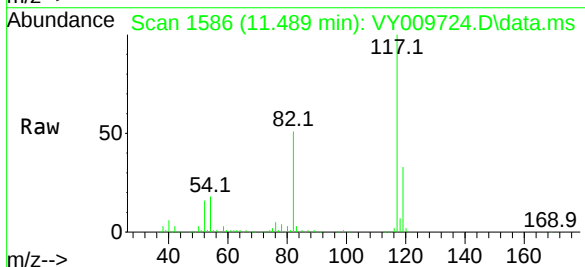
Instrument :
MSVOA_Y
ClientSampleId :
7897-W

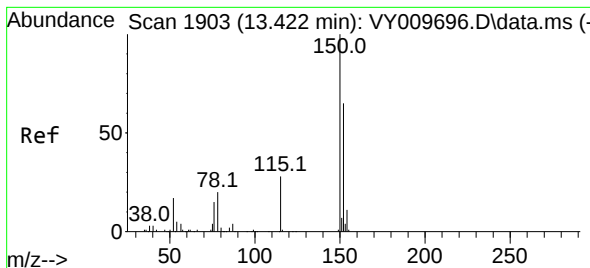
Tgt Ion: 95 Resp: 98580
Ion Ratio Lower Upper
95 100
174 97.2 0.0 177.0
176 96.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

Tgt Ion: 117 Resp: 344772
Ion Ratio Lower Upper
117 100
82 51.1 43.0 64.4
119 32.6 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: VY009724.D

Acq: 27 Jul 2022 15:05

Instrument :

MSVOA_Y

ClientSampleId :

7897-W

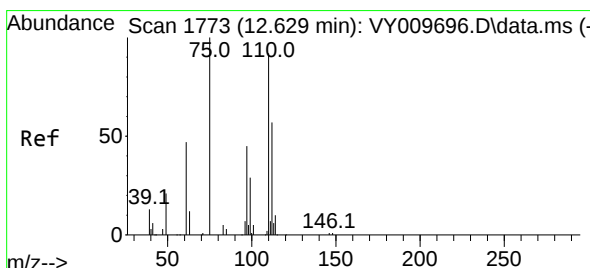
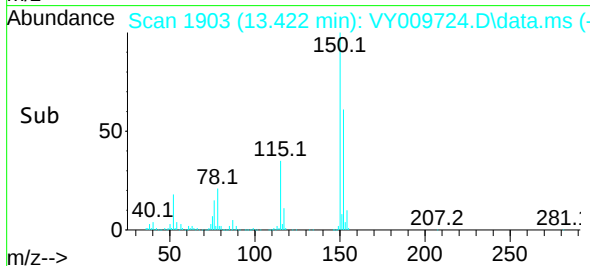
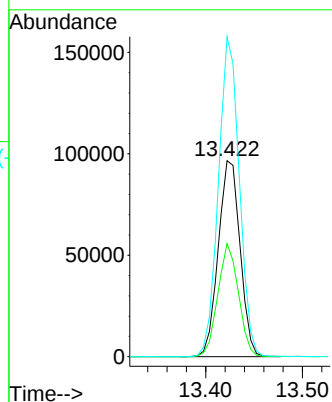
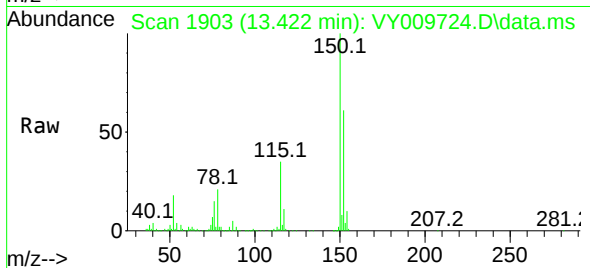
Tgt Ion:152 Resp: 151131

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.7

150 156.4 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 36.188 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009724.D

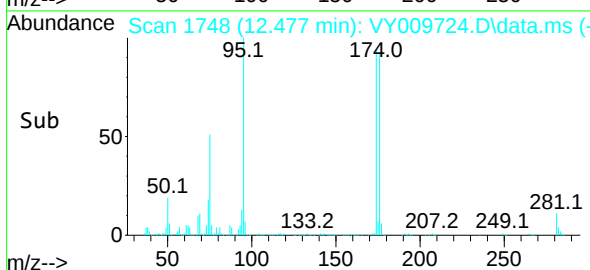
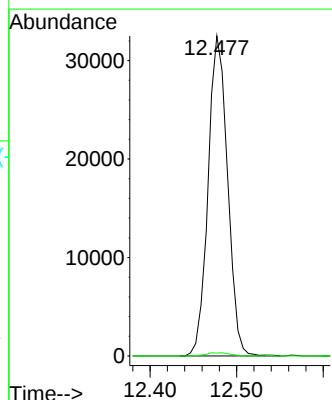
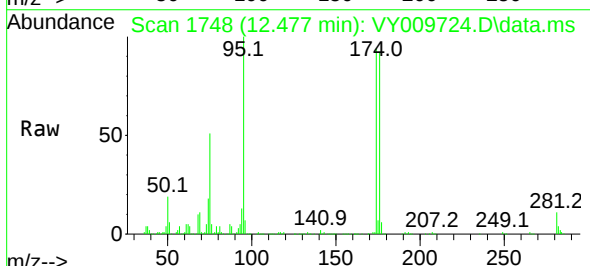
Acq: 27 Jul 2022 15:05

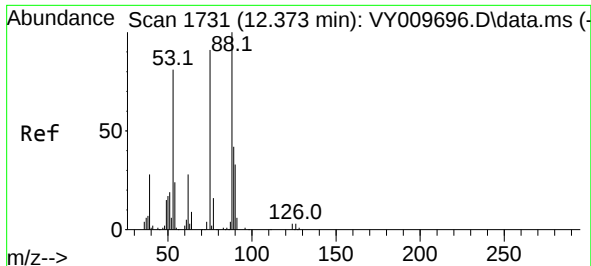
Tgt Ion: 75 Resp: 50800

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

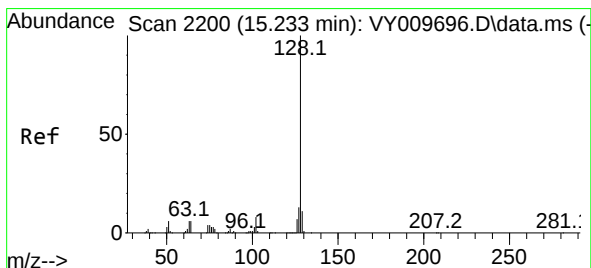
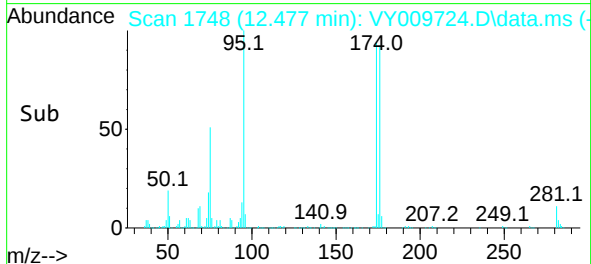
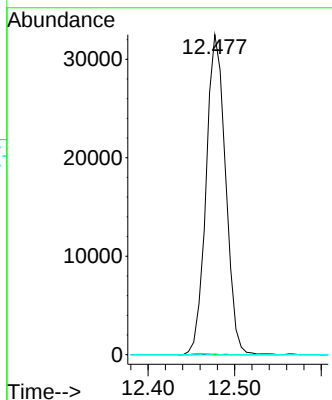
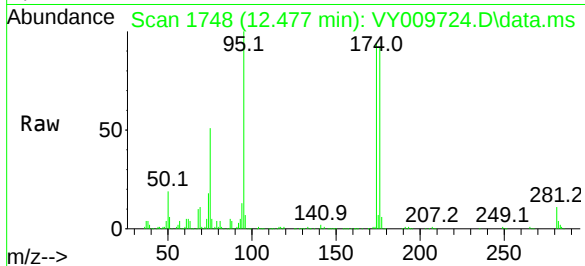




#81
trans-1,4-Dichloro-2-butene
Concen: 72.133 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

Instrument :
MSVOA_Y
ClientSampleId :
7897-W

Tgt Ion: 75 Resp: 50800
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.2 37.0 55.4#



#95
Naphthalene
Concen: 9.452 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY009724.D
Acq: 27 Jul 2022 15:05

Tgt Ion: 128 Resp: 50311
Ion Ratio Lower Upper
128 100
127 12.5 11.0 16.4
129 11.1 8.4 12.6

