

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072222\
 Data File : VY009656.D
 Acq On : 22 Jul 2022 13:47
 Operator : KP/MD
 Sample : N3773-14
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-2(7-7.5)

Quant Time: Jul 23 00:53:34 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	154295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	249821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	241775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117491	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	82812	56.750	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.500%
35) Dibromofluoromethane	7.710	113	79141	50.285	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.560%
50) Toluene-d8	10.173	98	292818	48.397	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	96.800%
62) 4-Bromofluorobenzene	12.477	95	99052	50.524	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	101.040%

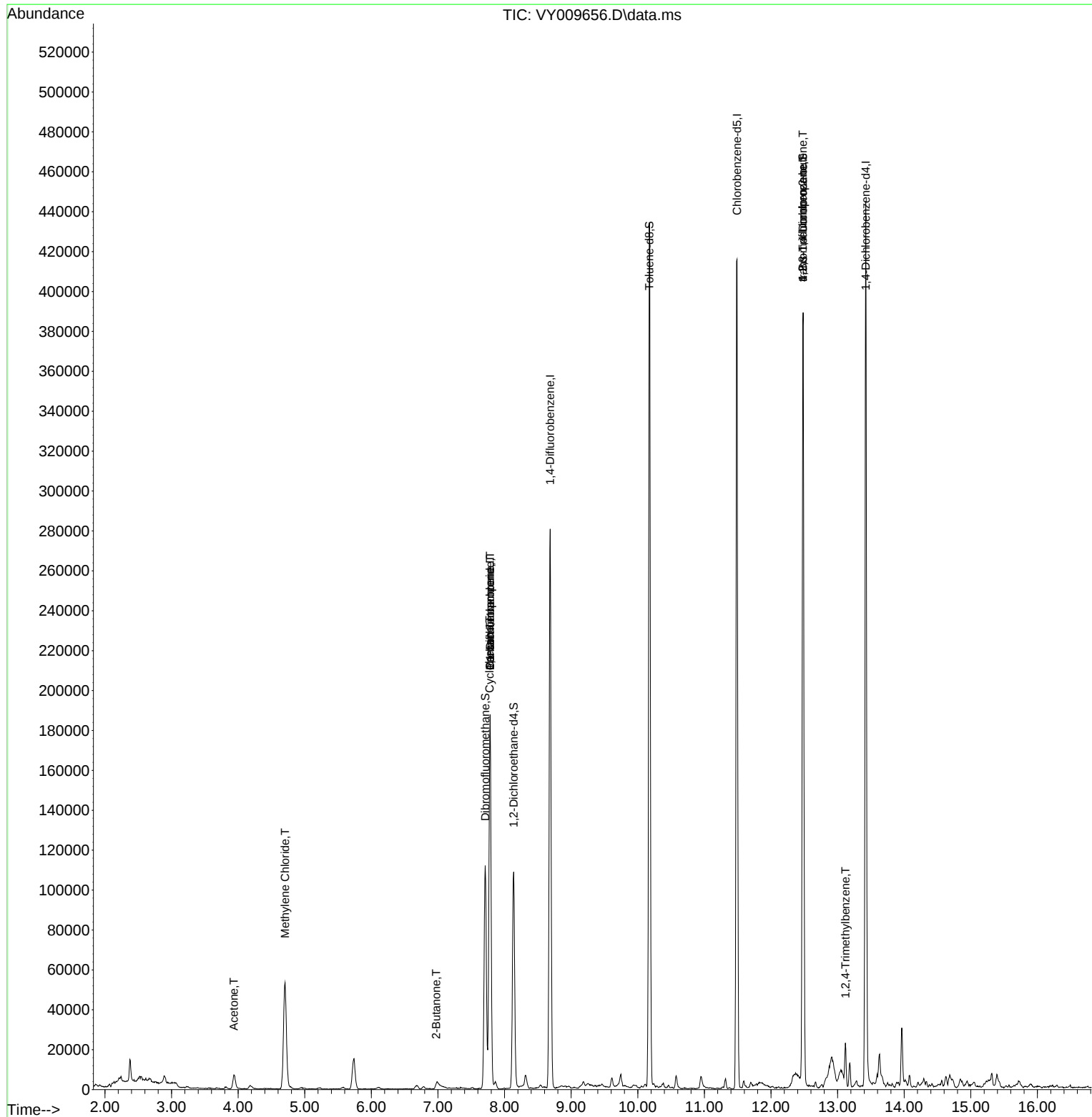
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	1511	Below Cal	#	86
16) Acetone	3.936	43	12555	34.011	ug/l #	80
20) Methylene Chloride	4.704	84	40861	15.204	ug/l #	83
25) 2-Butanone	6.972	43	2520	4.680	ug/l #	88
31) Cyclohexane	7.777	56	3121	1.213	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	10318	4.436	ug/l #	50
38) Carbon Tetrachloride	7.783	117	13807	5.671	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	50116	44.777	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50116	88.291	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	10784	1.604	ug/l	97

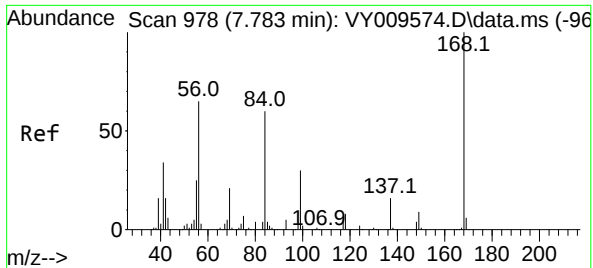
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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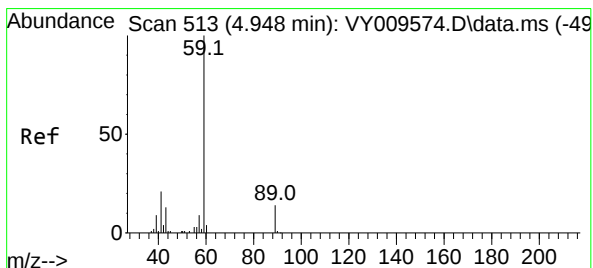
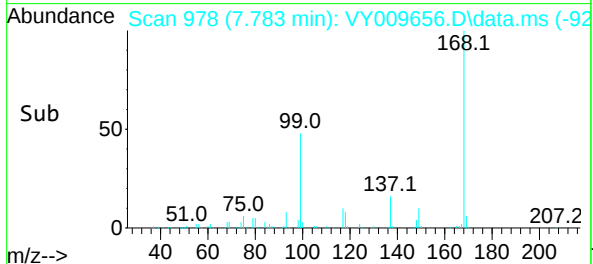
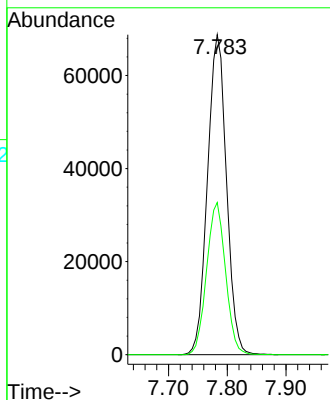
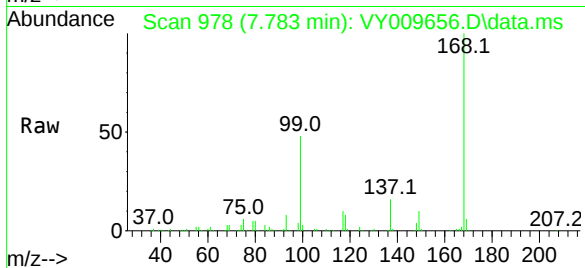




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

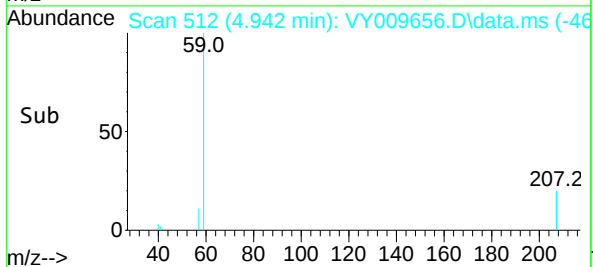
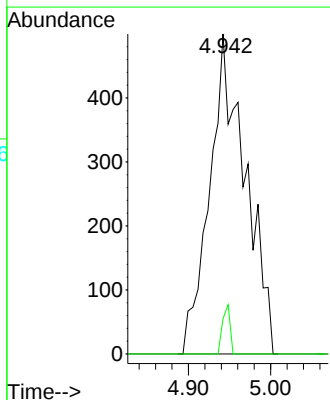
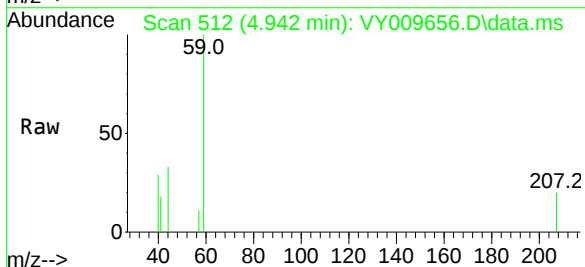
Instrument :
MSVOA_Y
ClientSampleId :
DL-2(7-7.5)

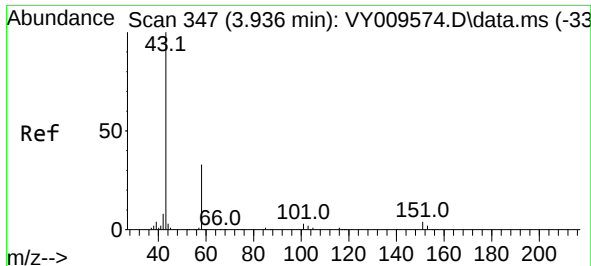
Tgt Ion:168 Resp: 154295
Ion Ratio Lower Upper
168 100
99 47.6 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

Tgt Ion: 59 Resp: 1511
Ion Ratio Lower Upper
59 100
57 3.2 6.4 9.6#





#16

Acetone

Concen: 34.011 ug/l

RT: 3.936 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY009656.D

Acq: 22 Jul 2022 13:47

Instrument :

MSVOA_Y

ClientSampleId :

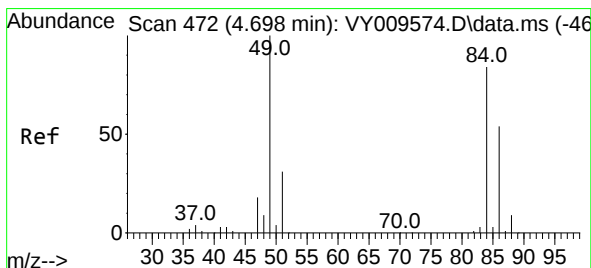
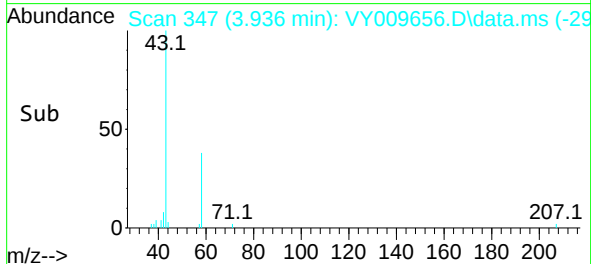
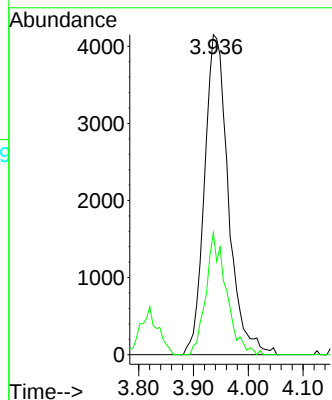
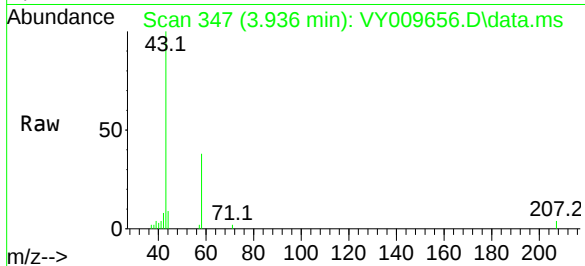
DL-2(7-7.5)

Tgt Ion: 43 Resp: 12555

Ion Ratio Lower Upper

43 100

58 38.1 22.0 33.0#



#20

Methylene Chloride

Concen: 15.204 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY009656.D

Acq: 22 Jul 2022 13:47

Tgt Ion: 84 Resp: 40861

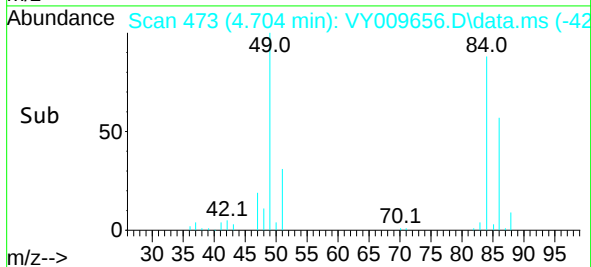
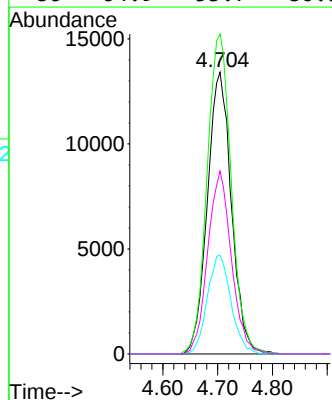
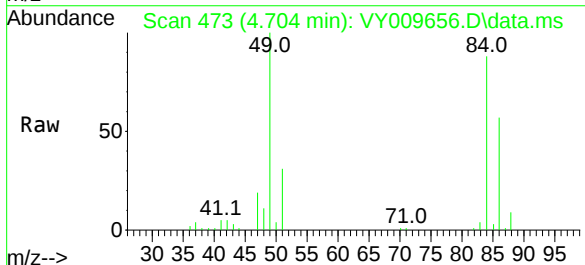
Ion Ratio Lower Upper

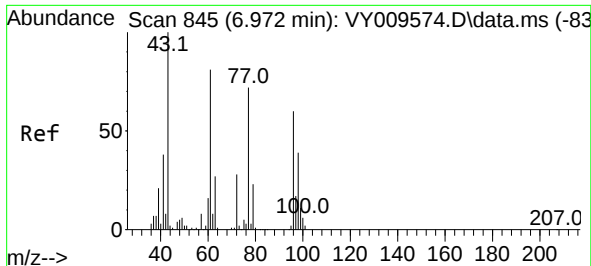
84 100

49 113.6 114.4 171.6#

51 35.0 35.3 52.9#

86 64.9 53.7 80.5

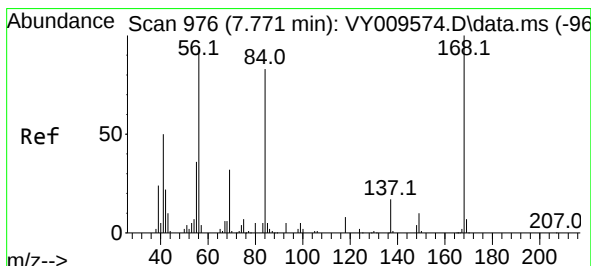
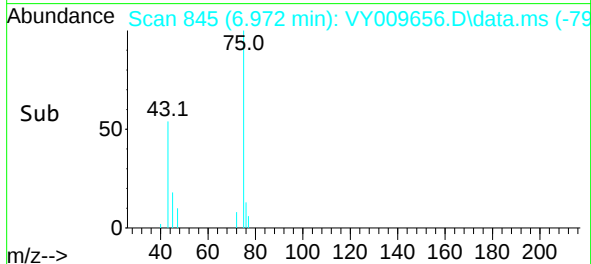
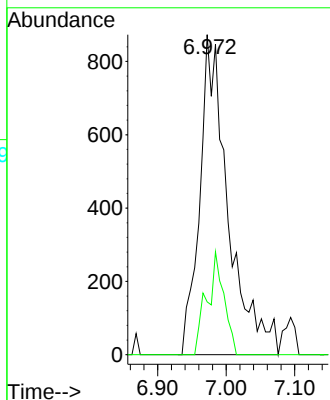
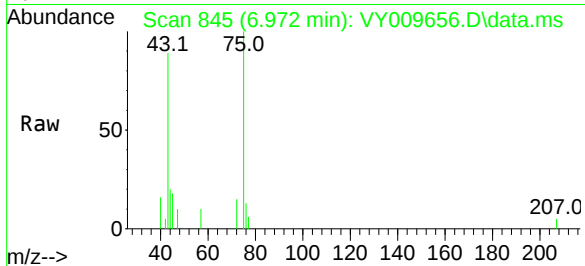




#25
2-Butanone
Concen: 4.680 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

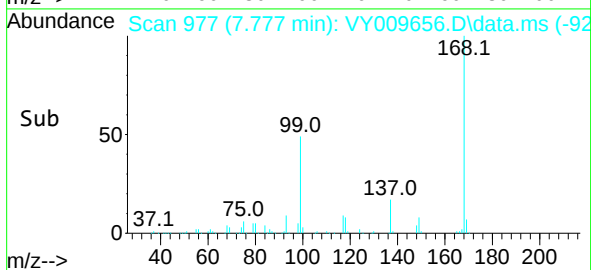
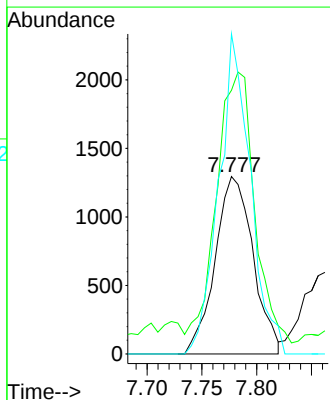
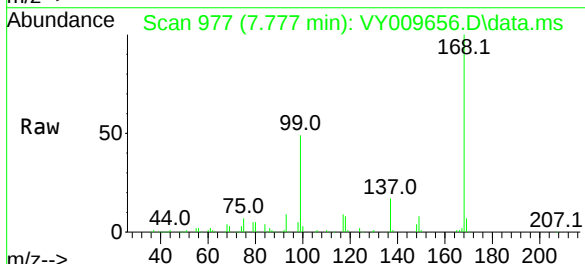
Instrument :
MSVOA_Y
ClientSampleId :
DL-2(7-7.5)

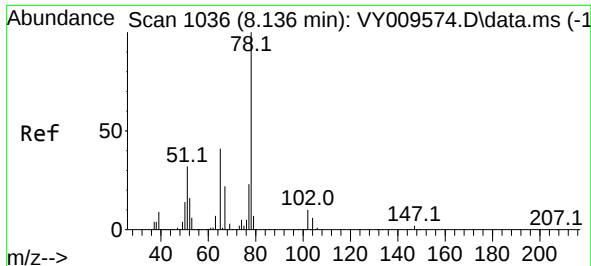
Tgt Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
72 16.5 17.7 26.5#



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.777 min Scan# 977
Delta R.T. 0.006 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

Tgt Ion: 56 Resp: 3121
Ion Ratio Lower Upper
56 100
69 132.6 26.7 40.1#
84 180.3 67.2 100.8#

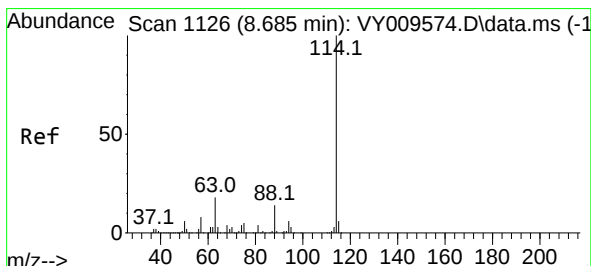
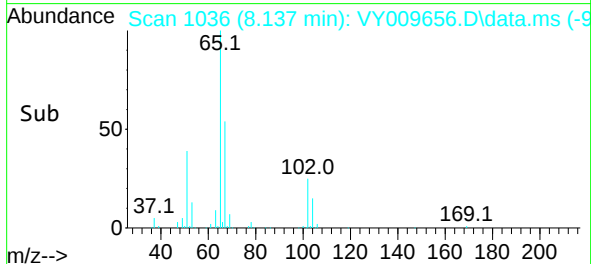
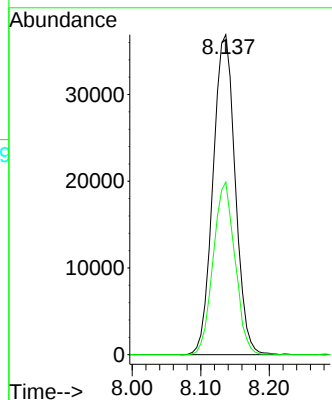
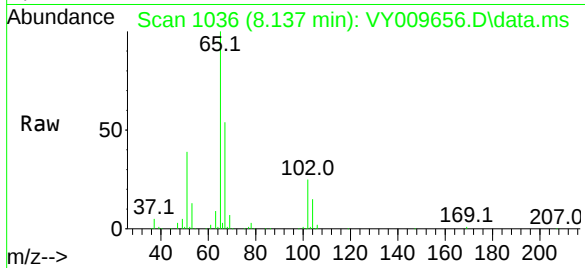




#33
 1,2-Dichloroethane-d4
 Concen: 56.750 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY009656.D
 Acq: 22 Jul 2022 13:47

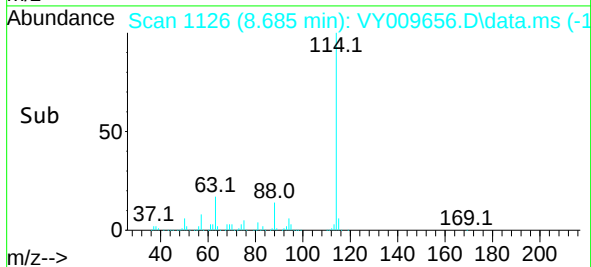
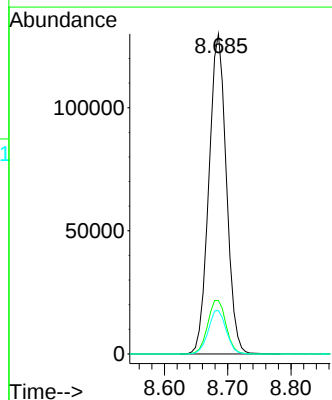
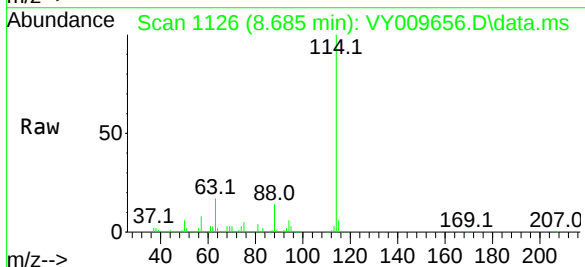
Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-2(7-7.5)

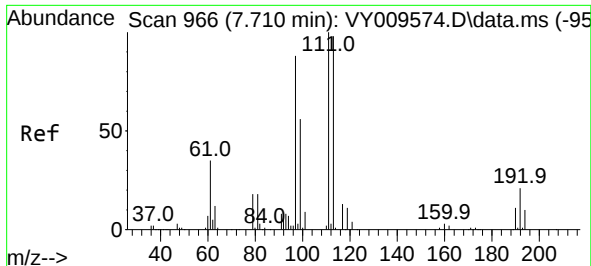
Tgt Ion: 65 Resp: 82812
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY009656.D
 Acq: 22 Jul 2022 13:47

Tgt Ion: 114 Resp: 249821
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 43.2
 88 13.6 0.0 31.8

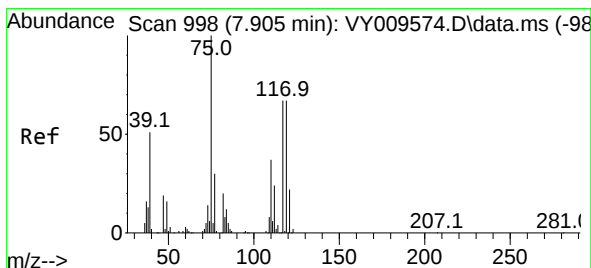
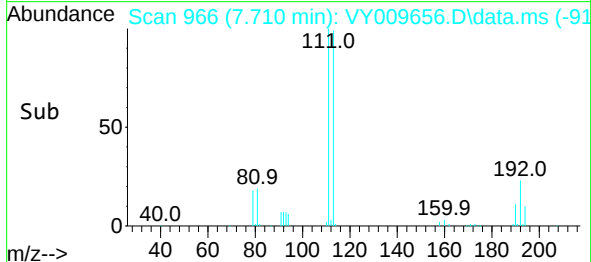
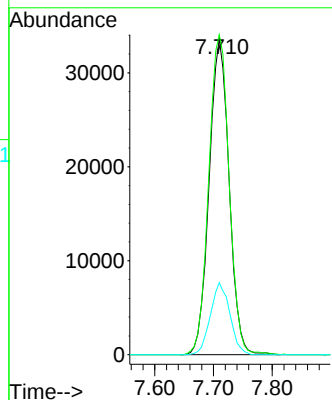
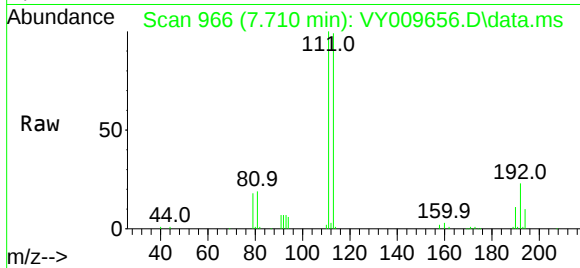




#35
Dibromofluoromethane
Concen: 50.285 ug/l
RT: 7.710 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

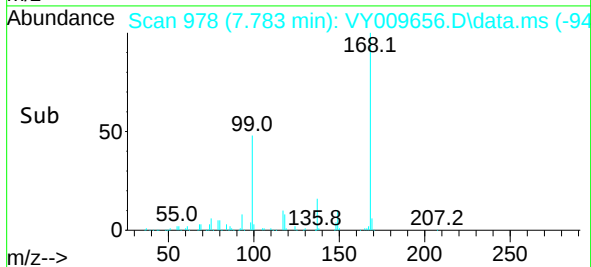
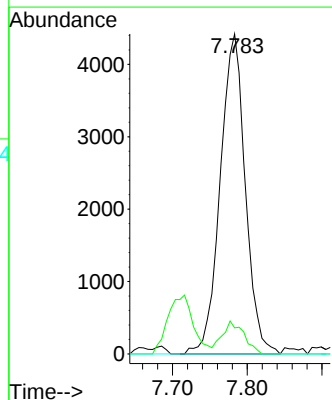
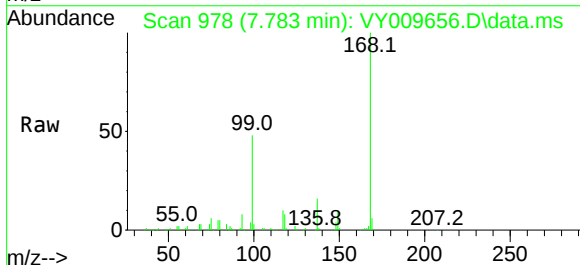
Instrument :
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DL-2(7-7.5)

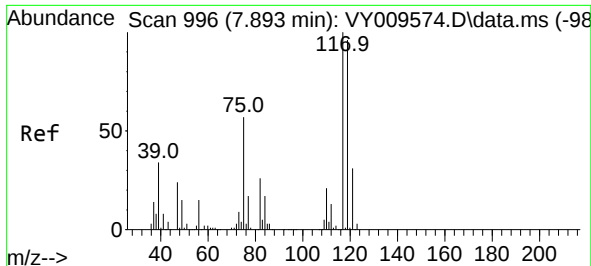
Tgt Ion:113 Resp: 79141
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 22.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.436 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

Tgt Ion: 75 Resp: 10318
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#

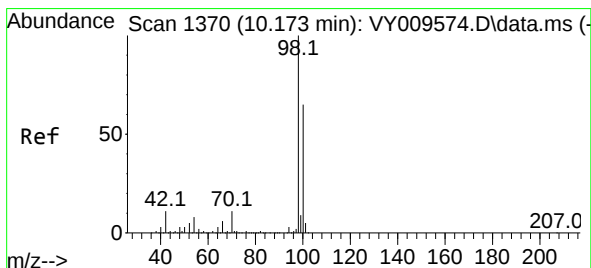
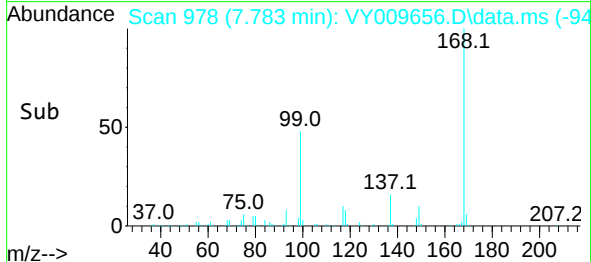
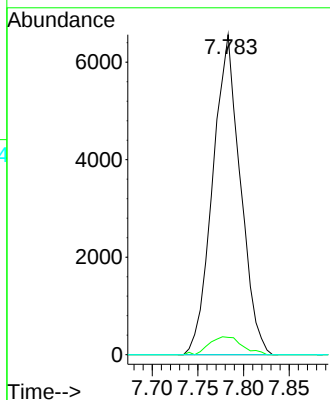
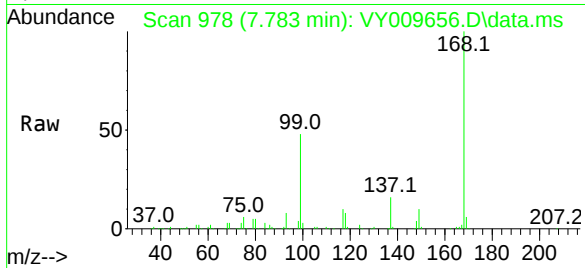




#38
Carbon Tetrachloride
Concen: 5.671 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

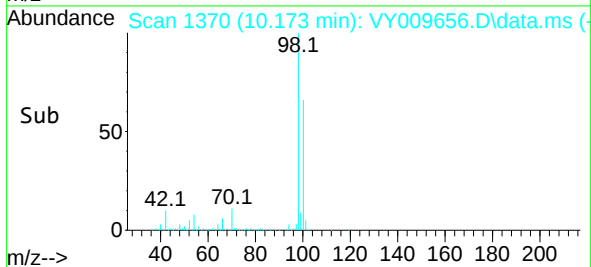
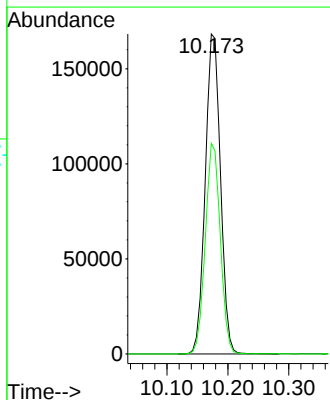
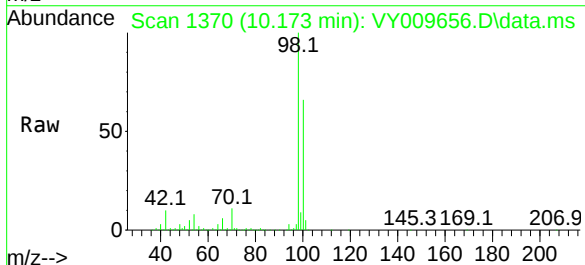
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DL-2(7-7.5)

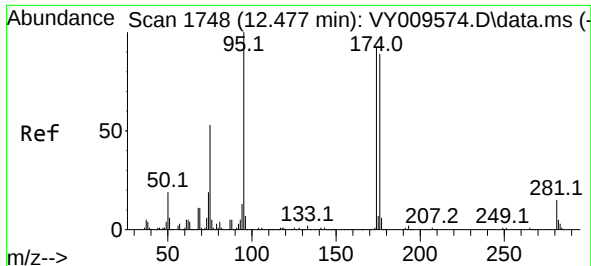
Tgt Ion:117 Resp: 13807
Ion Ratio Lower Upper
117 100
119 5.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.397 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

Tgt Ion: 98 Resp: 292818
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

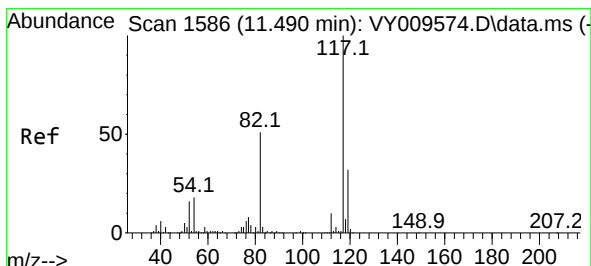
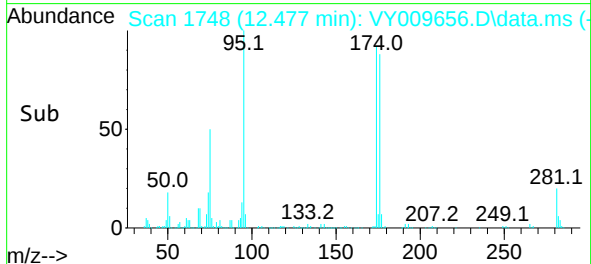
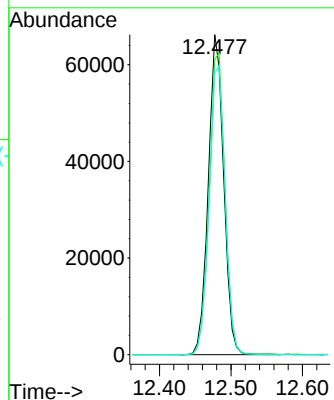
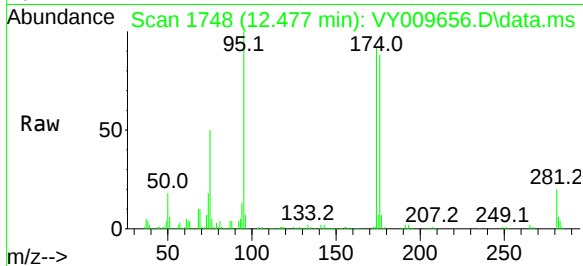




#62
4-Bromofluorobenzene
Concen: 50.524 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

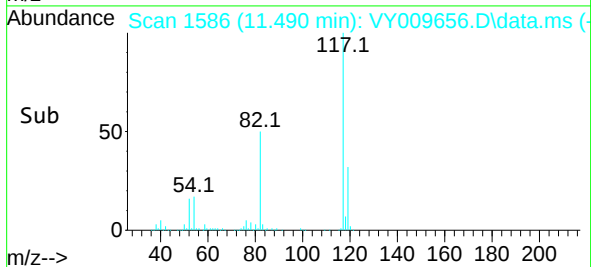
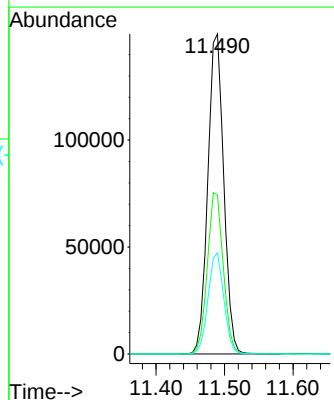
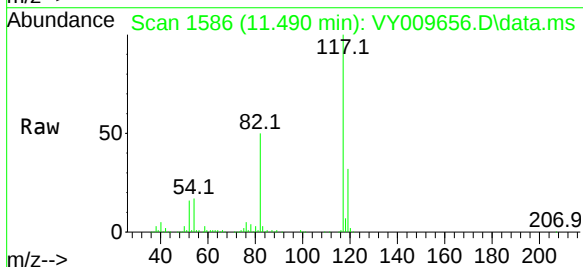
Instrument :
MSVOA_Y
ClientSampleId :
DL-2(7-7.5)

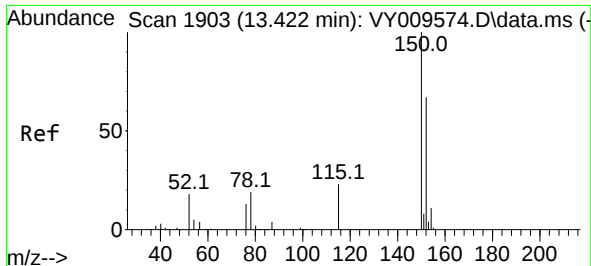
Tgt Ion: 95 Resp: 99052
Ion Ratio Lower Upper
95 100
174 97.1 0.0 177.0
176 93.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

Tgt Ion: 117 Resp: 241775
Ion Ratio Lower Upper
117 100
82 49.6 43.0 64.4
119 31.6 25.4 38.0

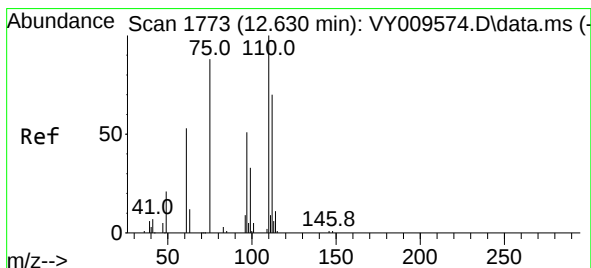
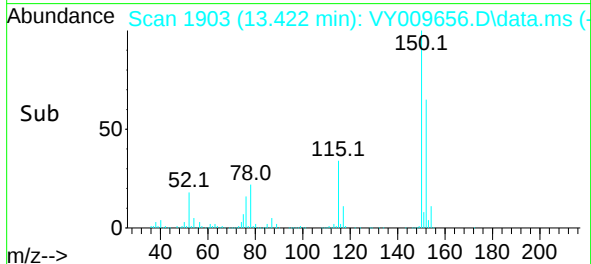
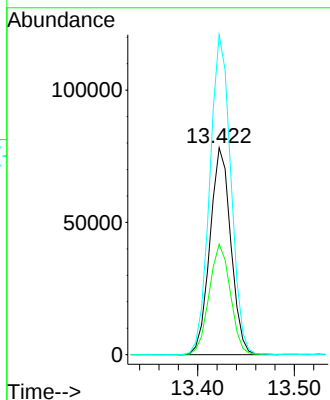
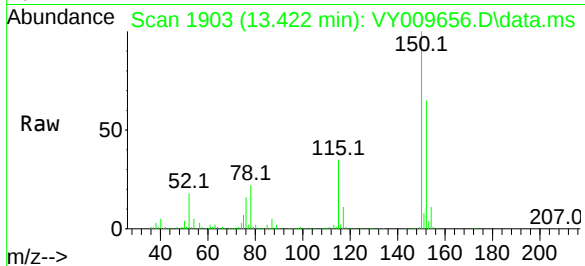




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009656.D
 Acq: 22 Jul 2022 13:47

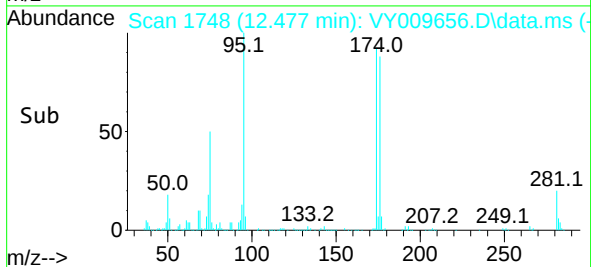
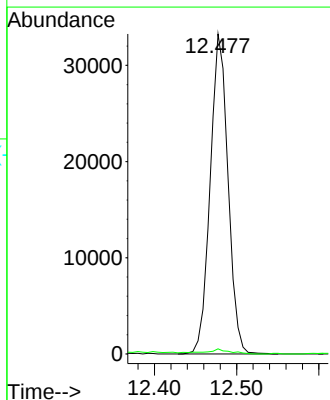
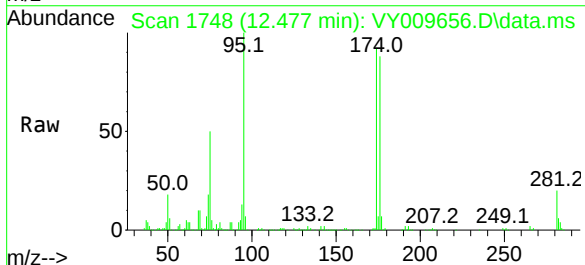
Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-2(7-7.5)

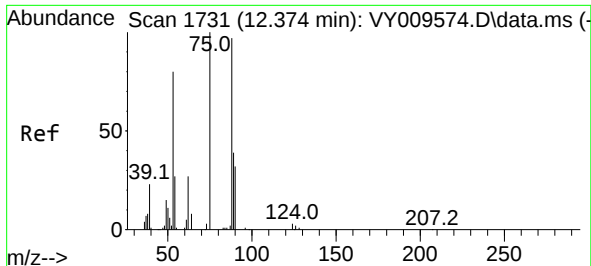
Tgt Ion:152 Resp: 117491
 Ion Ratio Lower Upper
 152 100
 115 54.3 28.2 84.7
 150 155.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.777 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009656.D
 Acq: 22 Jul 2022 13:47

Tgt Ion: 75 Resp: 50116
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

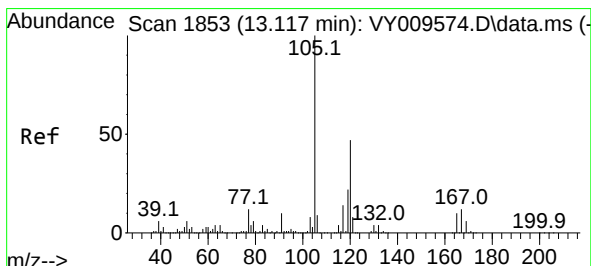
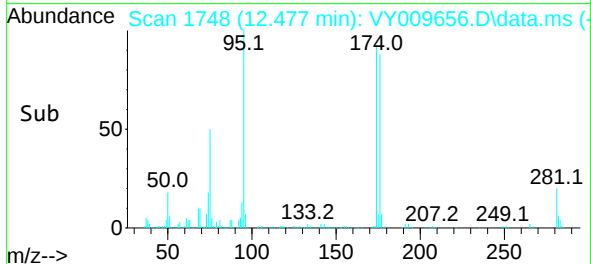
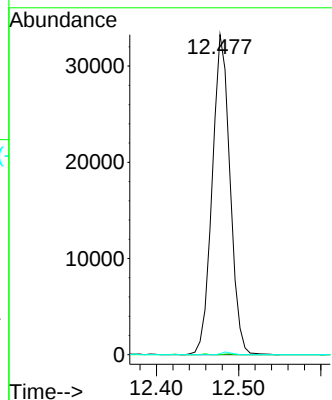
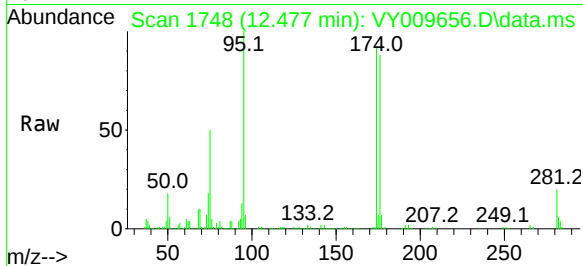




#81
trans-1,4-Dichloro-2-butene
Concen: 88.291 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

Instrument :
MSVOA_Y
ClientSampleId :
DL-2(7-7.5)

Tgt Ion: 75 Resp: 50116
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.5 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.604 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009656.D
Acq: 22 Jul 2022 13:47

Tgt Ion: 105 Resp: 10784
Ion Ratio Lower Upper
105 100
120 46.7 22.3 66.9

