

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010302.D
 Acq On : 03 Sep 2022 01:49
 Operator : KP/MD
 Sample : N4379-07
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 03 06:10:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	286603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	484780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	451714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	204408	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	167565	57.018	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.040%
35) Dibromofluoromethane	7.716	113	146525	45.402	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.800%
50) Toluene-d8	10.179	98	576204	53.328	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.660%
62) 4-Bromofluorobenzene	12.477	95	201671	46.115	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.240%

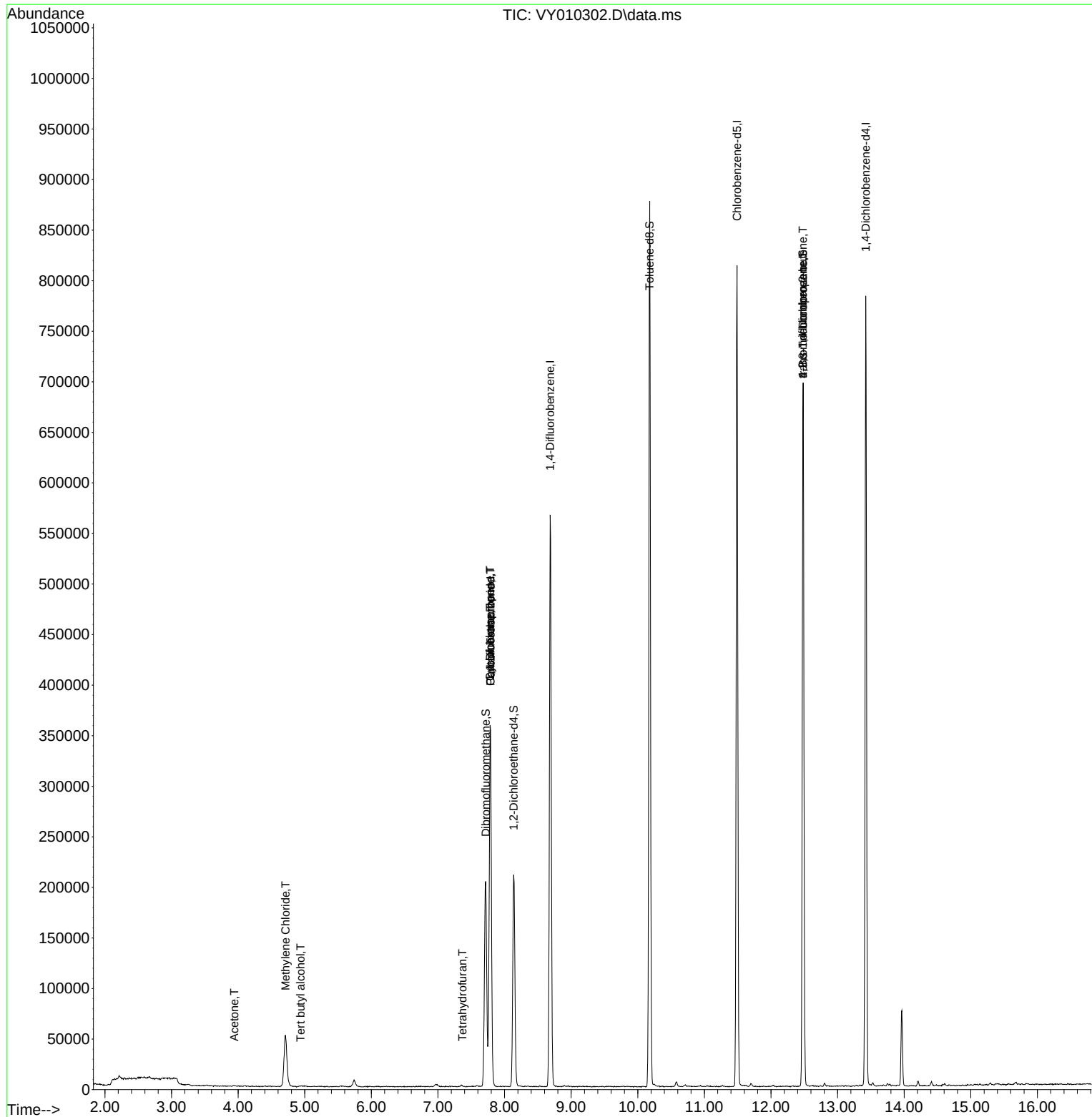
Target Compounds					Qvalue	
5) Bromomethane	2.668	94	716	Below Cal	#	56
11) Tert butyl alcohol	4.936	59	594	1.690	ug/l #	89
16) Acetone	3.942	43	1335	1.817	ug/l #	69
20) Methylene Chloride	4.710	84	38102	10.747	ug/l #	81
29) Tetrahydrofuran	7.368	42	1033	1.337	ug/l #	40
31) Cyclohexane	7.783	56	5813	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	20834	4.400	ug/l #	51
38) Carbon Tetrachloride	7.789	117	27508	5.637	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	105110	43.210	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	105110	90.141	ug/l #	7

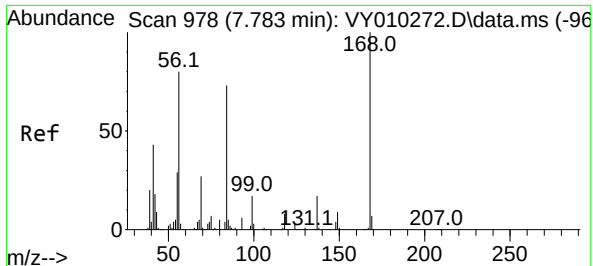
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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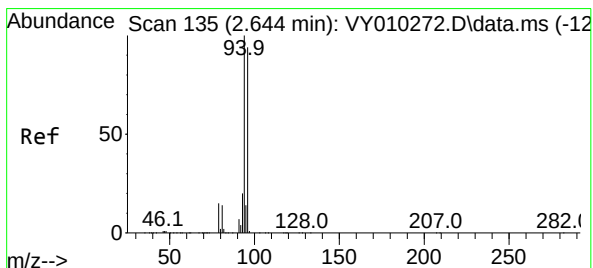
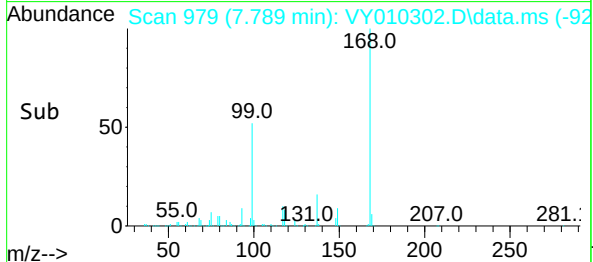
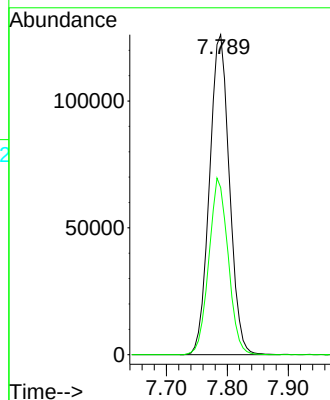
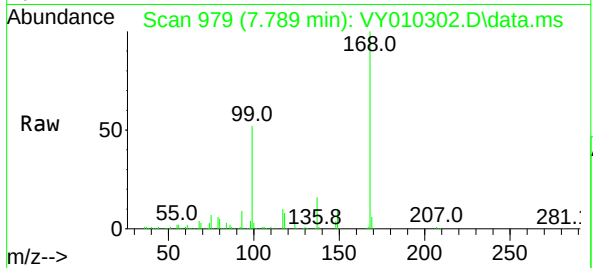




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

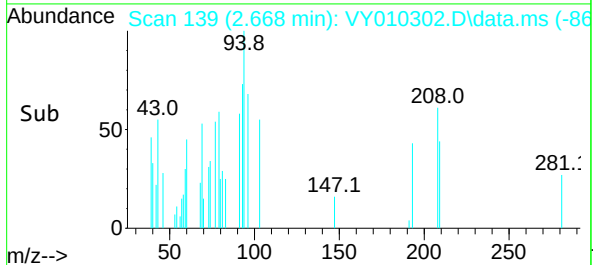
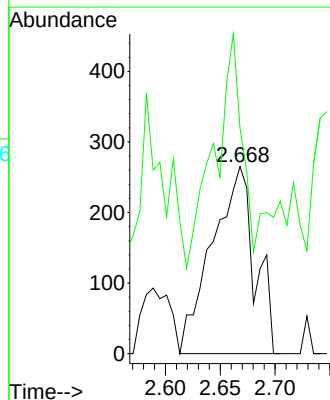
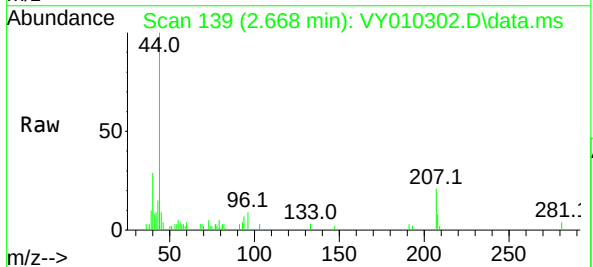
Instrument :
MSVOA_Y
ClientSampleId :

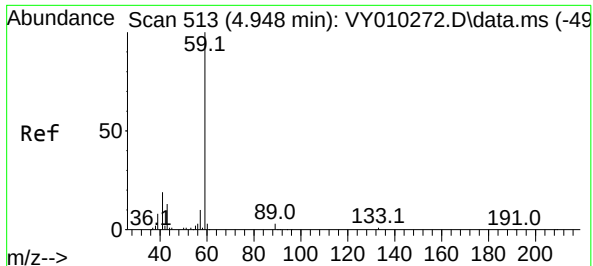
Tgt Ion:168 Resp: 286603
Ion Ratio Lower Upper
168 100
99 52.2 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.024 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Tgt Ion: 94 Resp: 716
Ion Ratio Lower Upper
94 100
96 49.8 73.5 110.3#





#11

Tert butyl alcohol

Concen: 1.690 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

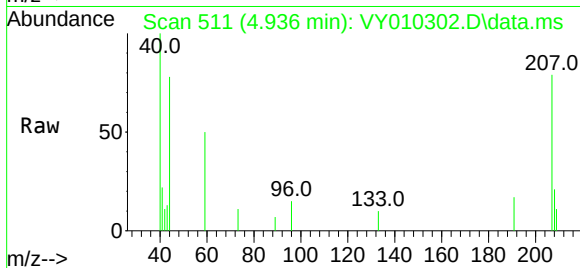
Lab File: VY010302.D

Acq: 03 Sep 2022 01:49

Instrument :

MSVOA_Y

ClientSampleId :

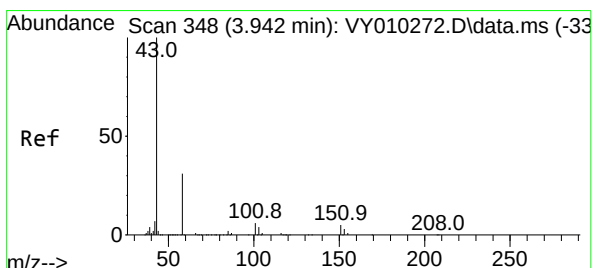
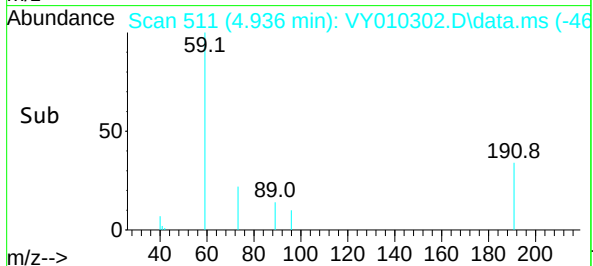
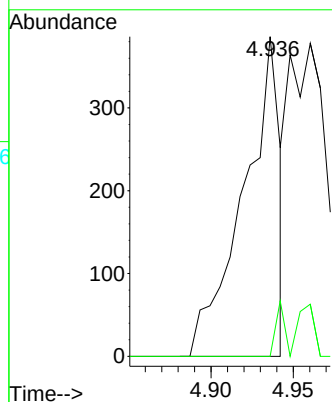


Tgt Ion: 59 Resp: 594

Ion Ratio Lower Upper

59 100

57 4.0 6.4 9.6#



#16

Acetone

Concen: 1.817 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010302.D

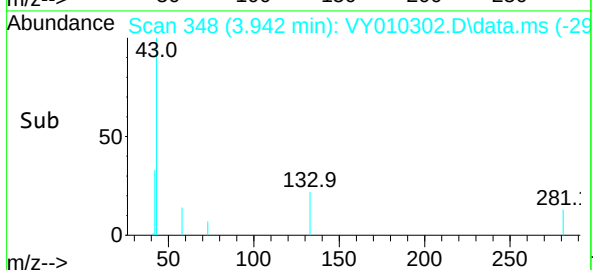
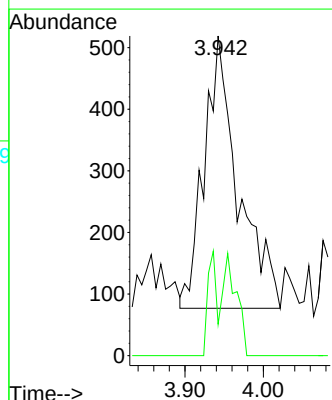
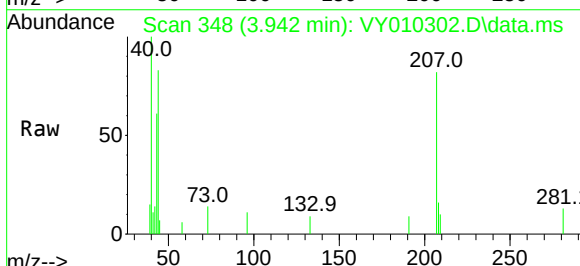
Acq: 03 Sep 2022 01:49

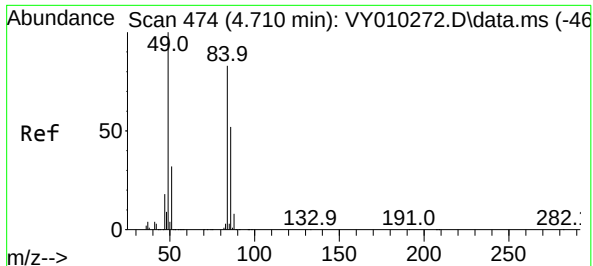
Tgt Ion: 43 Resp: 1335

Ion Ratio Lower Upper

43 100

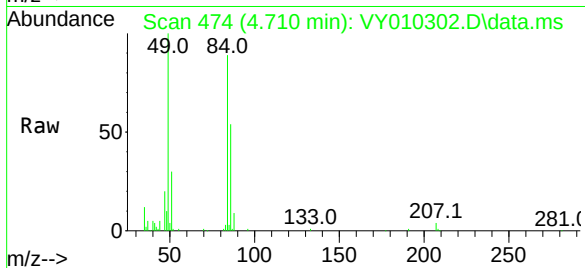
58 11.5 22.0 33.0#





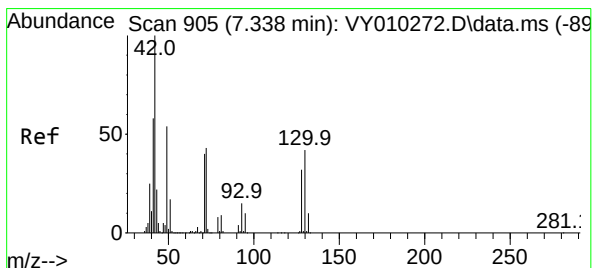
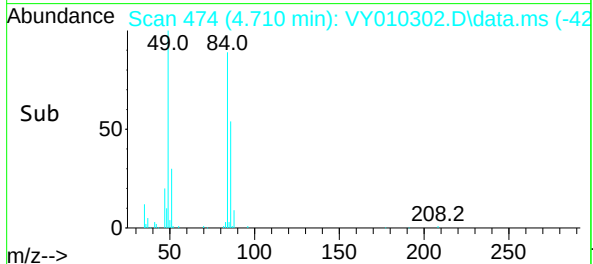
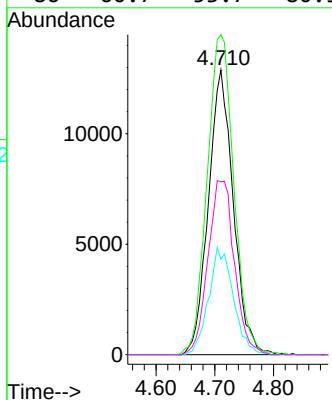
#20
Methylene Chloride
Concen: 10.747 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 38102

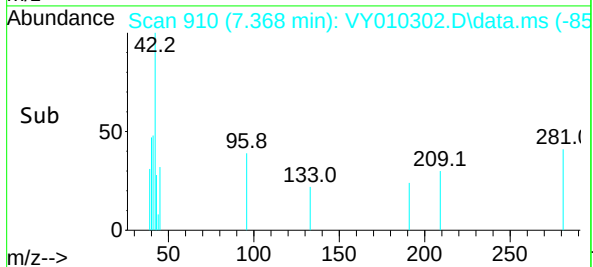
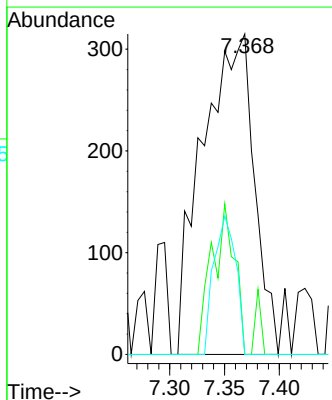
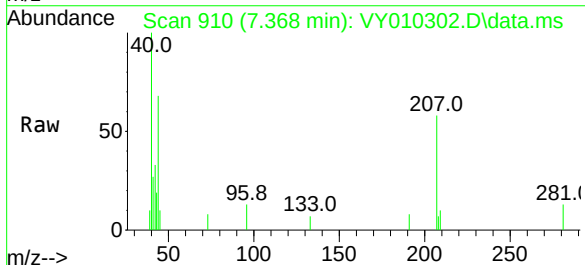
Ion	Ratio	Lower	Upper
84	100		
49	112.4	114.4	171.6#
51	33.5	35.3	52.9#
86	60.7	53.7	80.5

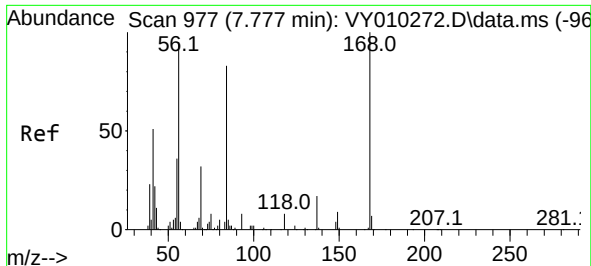


#29
Tetrahydrofuran
Concen: 1.337 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.030 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Tgt Ion: 42 Resp: 1033

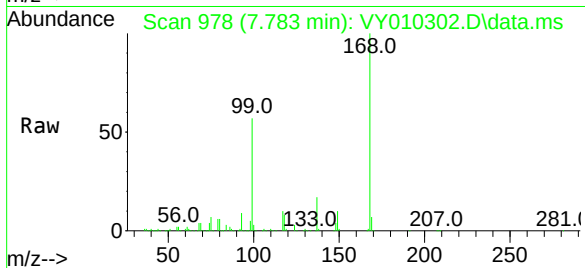
Ion	Ratio	Lower	Upper
42	100		
72	2.2	30.3	45.5#
71	0.0	29.0	43.4#



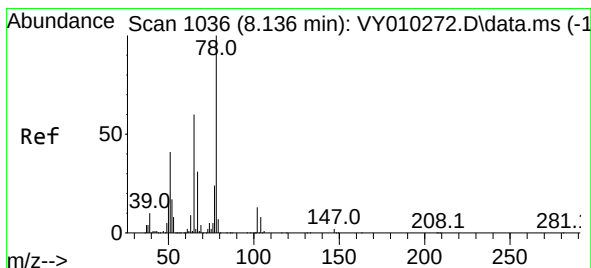
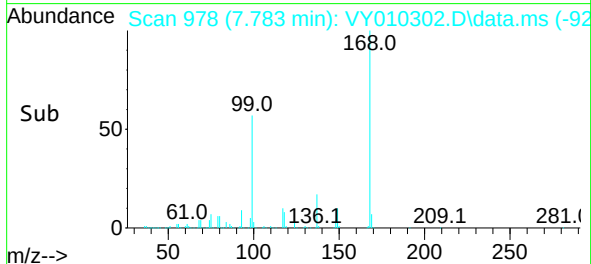
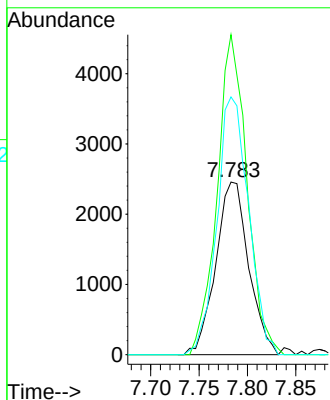


#31
Cyclohexane
Concen: 1.014 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Instrument :
MSVOA_Y
ClientSampleId :

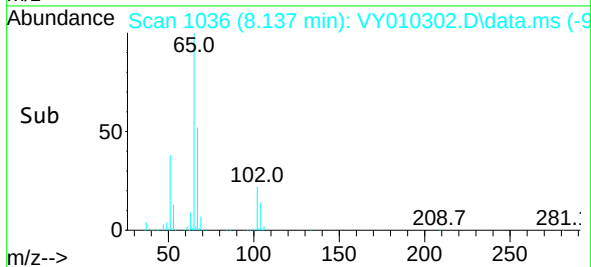
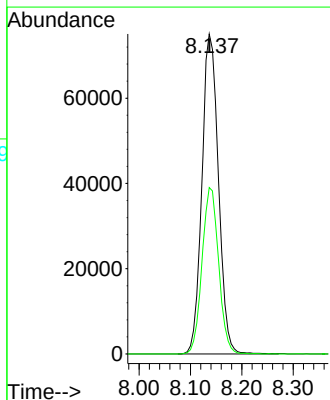
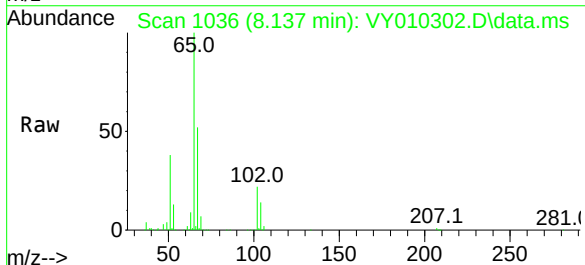


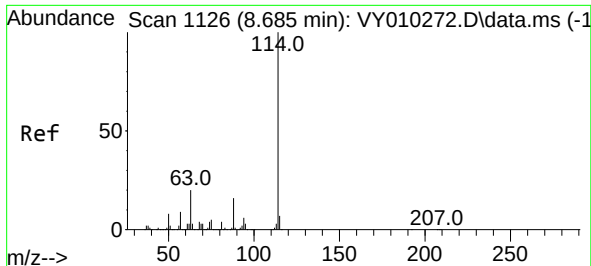
Tgt Ion: 56 Resp: 5813
Ion Ratio Lower Upper
56 100
69 185.4 26.7 40.1#
84 149.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.018 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Tgt Ion: 65 Resp: 167565
Ion Ratio Lower Upper
65 100
67 52.1 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: VY010302.D

Acq: 03 Sep 2022 01:49

Instrument :

MSVOA_Y

ClientSampleId :

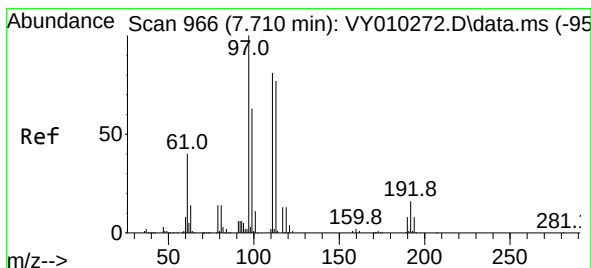
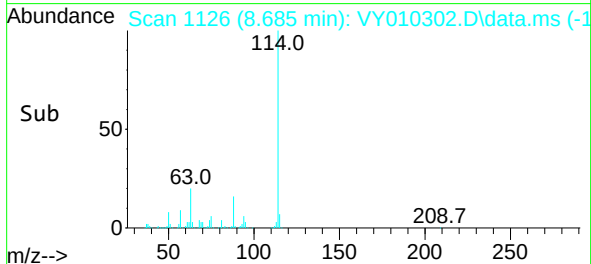
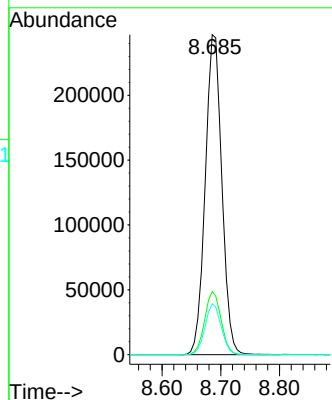
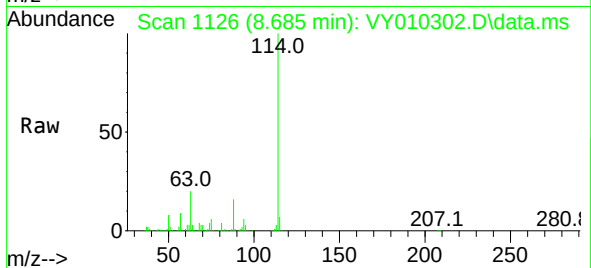
Tgt Ion:114 Resp: 484780

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.402 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010302.D

Acq: 03 Sep 2022 01:49

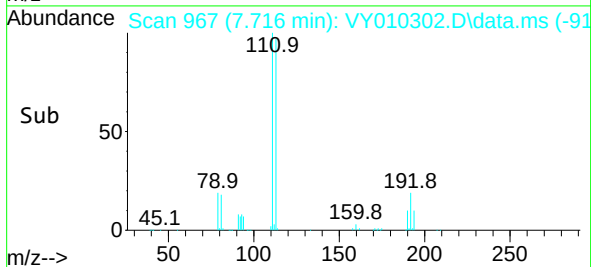
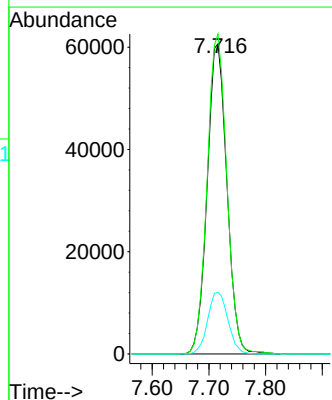
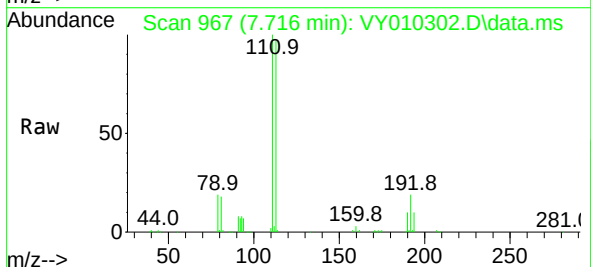
Tgt Ion:113 Resp: 146525

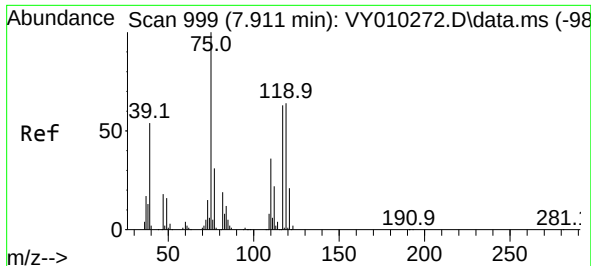
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

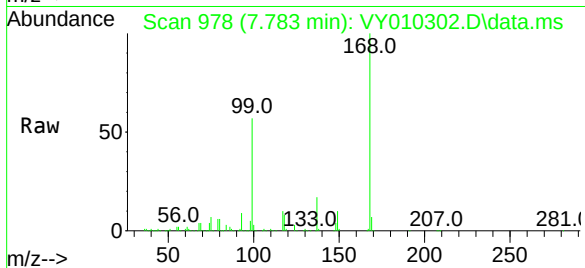
192 20.4 17.6 26.4



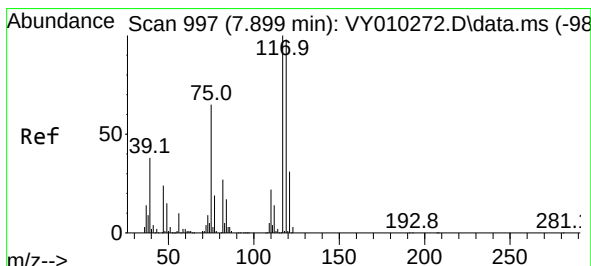
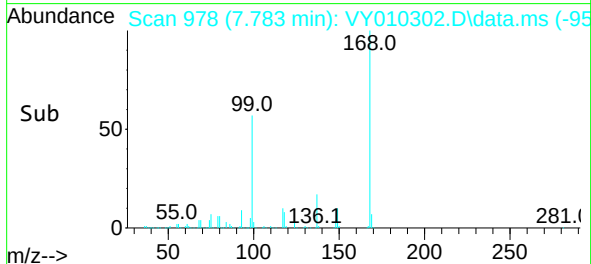
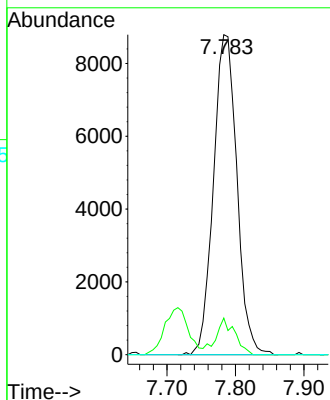


#36
1,1-Dichloropropene
Concen: 4.400 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Instrument :
MSVOA_Y
ClientSampleId :

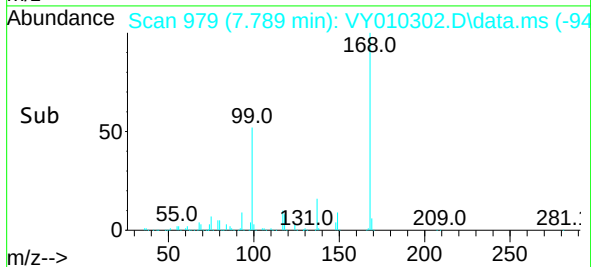
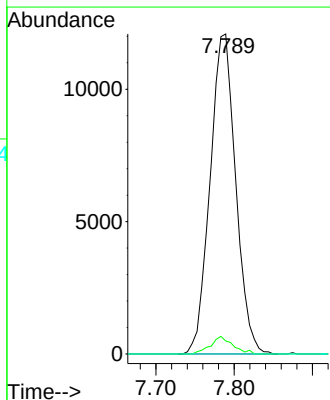
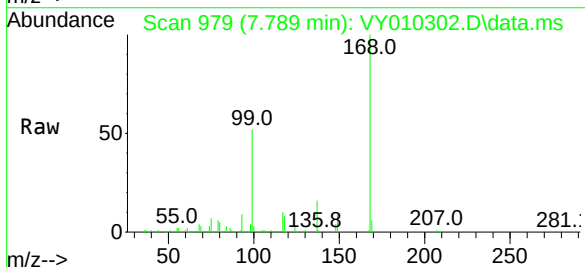


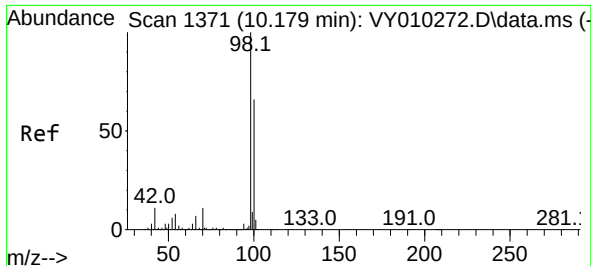
Tgt Ion: 75 Resp: 20834
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.637 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Tgt Ion: 117 Resp: 27508
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.8 37.2#

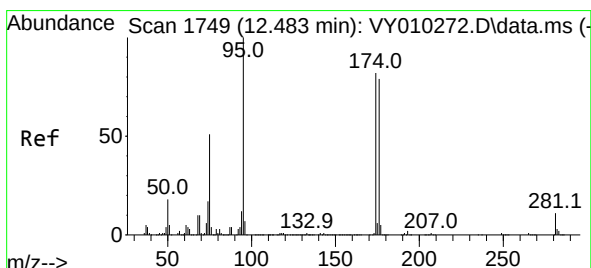
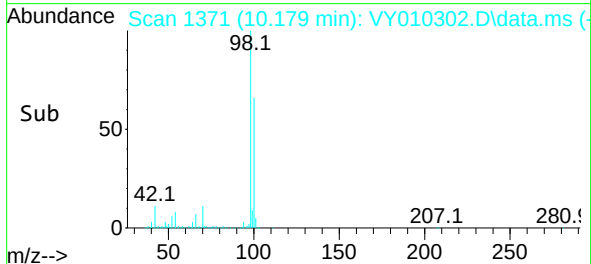
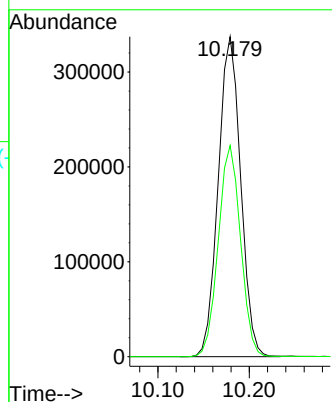
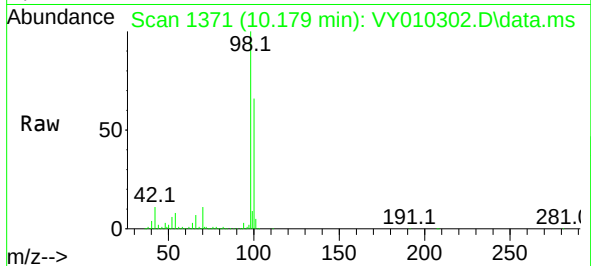




#50
Toluene-d8
Concen: 53.328 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

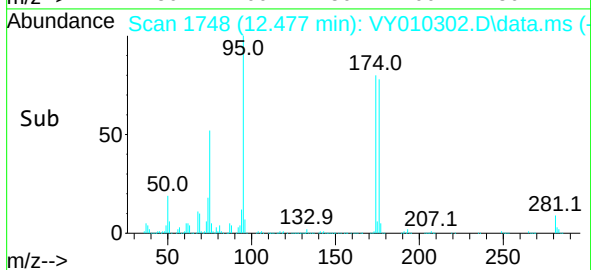
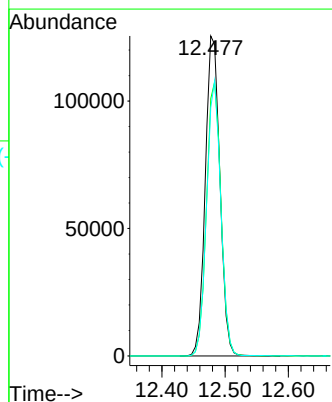
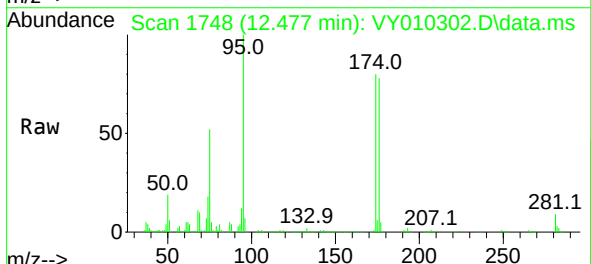
Instrument :
MSVOA_Y
ClientSampleId :

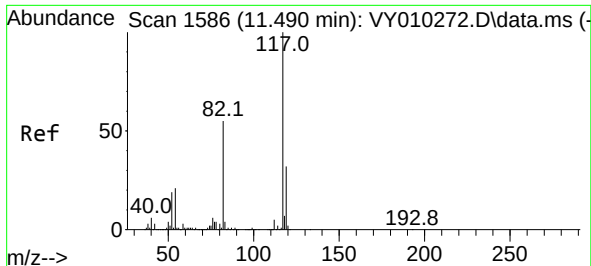
Tgt Ion: 98 Resp: 576204
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.115 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Tgt Ion: 95 Resp: 201671
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 83.6 0.0 175.8

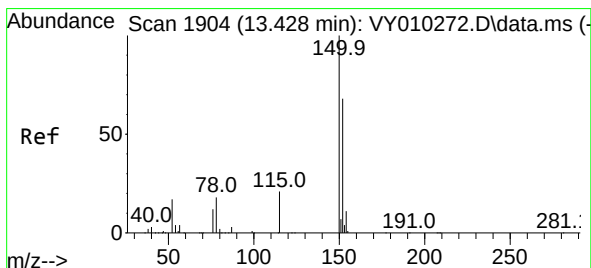
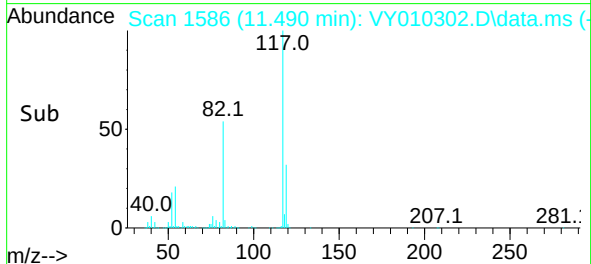
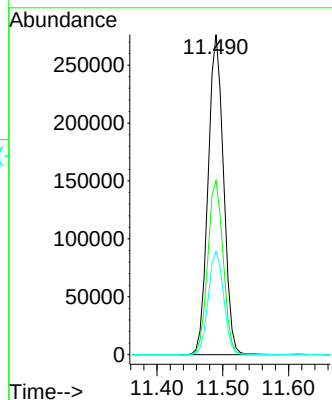
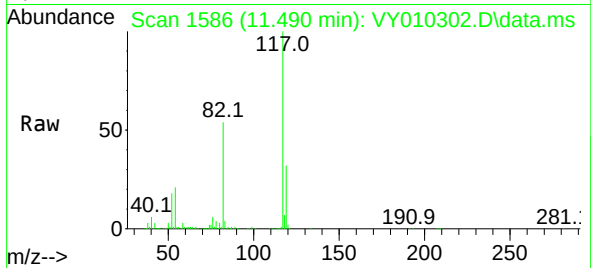




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

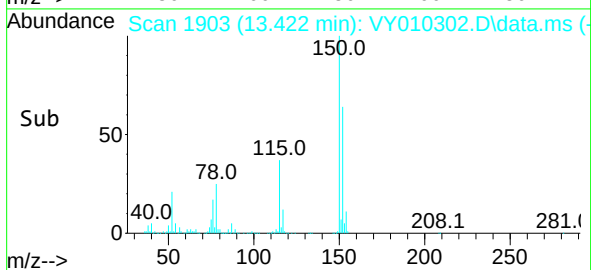
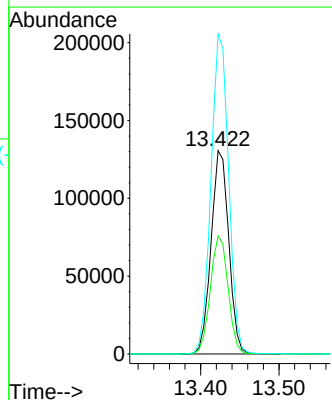
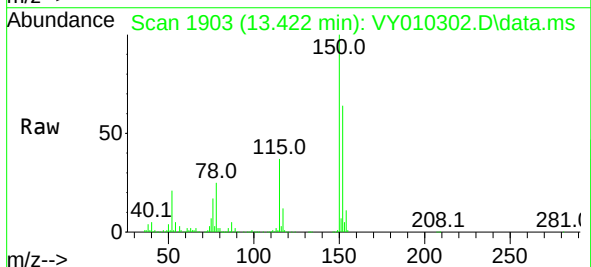
Instrument :
MSVOA_Y
ClientSampleId :

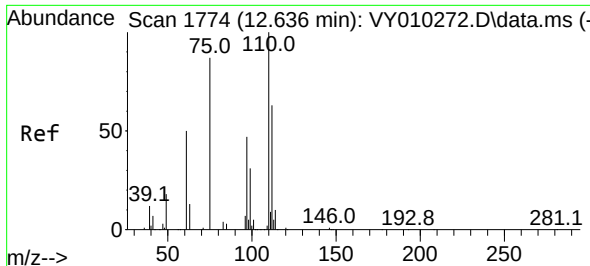
Tgt Ion:117 Resp: 451714
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Tgt Ion:152 Resp: 204408
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 157.5 0.0 347.6

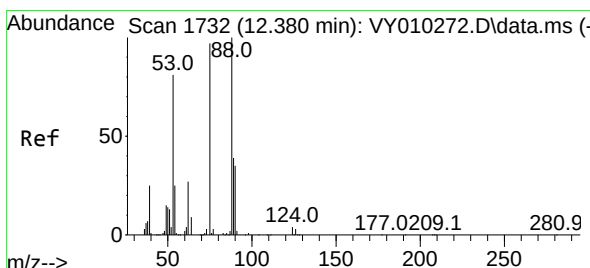
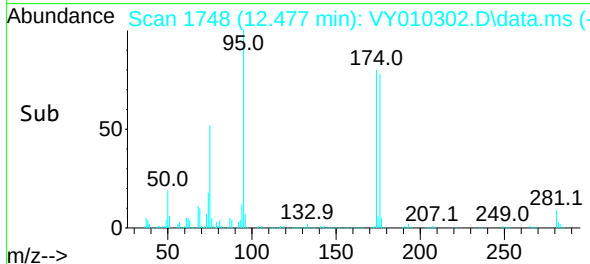
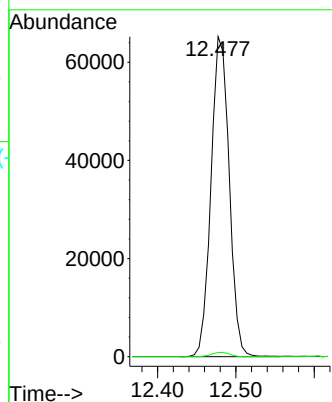
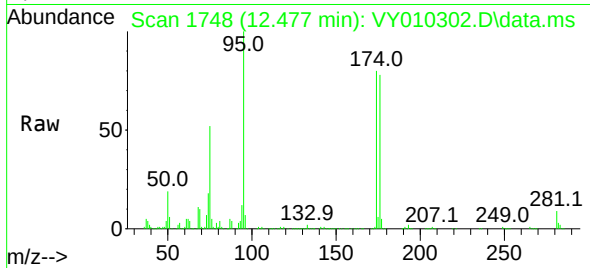




#76
1,2,3-Trichloropropane
Concen: 43.210 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 105110
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.141 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010302.D
Acq: 03 Sep 2022 01:49

Tgt Ion: 75 Resp: 105110
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#

