

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110521\
 Data File : VY006649.D
 Acq On : 05 Nov 2021 12:05
 Operator : SY/MD
 Sample : M4497-01
 Misc : 4.26G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 06 20:37:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	118231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	199325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	180226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70911	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	78893	54.225	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.460%
35) Dibromofluoromethane	7.728	113	61359	55.230	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.460%
50) Toluene-d8	10.185	98	256819	54.531	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.060%
62) 4-Bromofluorobenzene	12.483	95	74339	46.858	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.720%

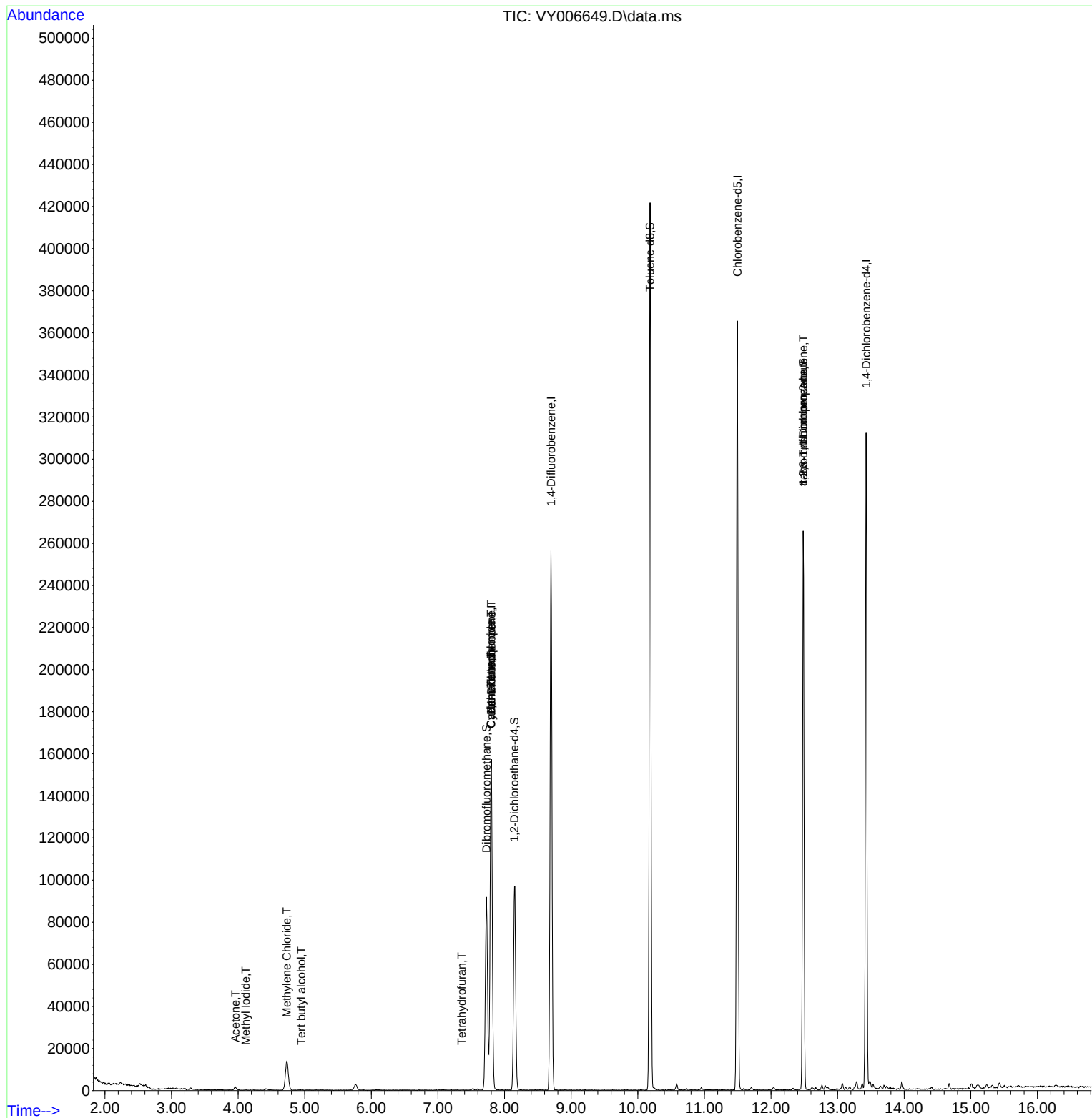
Target Compounds					Qvalue	
10) Methyl Iodide	4.113	142	312	5.301	ug/l #	76
11) Tert butyl alcohol	4.948	59	370	2.799	ug/l #	72
16) Acetone	3.960	43	2215	5.287	ug/l #	70
20) Methylene Chloride	4.729	84	9557	3.611	ug/l	93
29) Tetrahydrofuran	7.356	42	386	1.146	ug/l #	46
31) Cyclohexane	7.795	56	3045	1.293	ug/l #	23
36) 1,1-Dichloropropene	7.801	75	9882	5.018	ug/l #	50
38) Carbon Tetrachloride	7.795	117	11978	5.513	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	43728	59.842	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43728	122.854	ug/l #	7

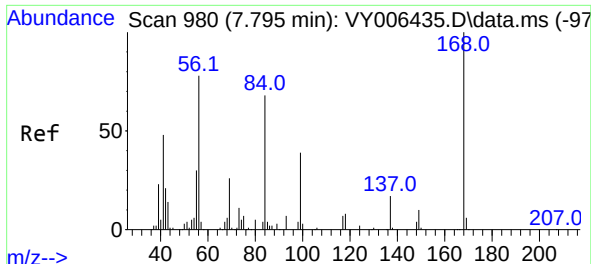
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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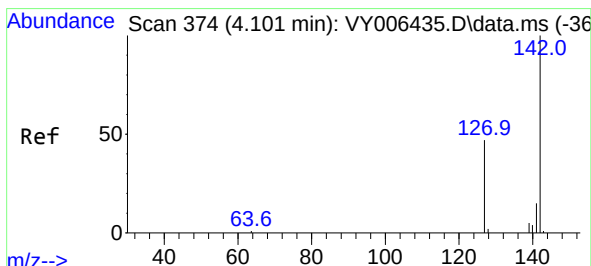
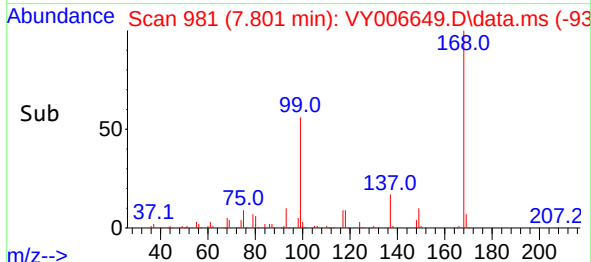
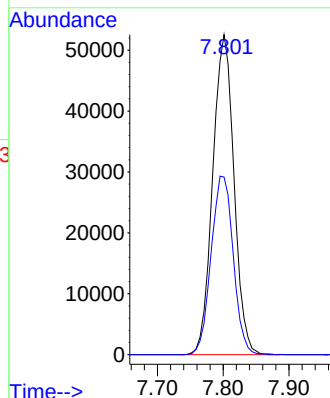
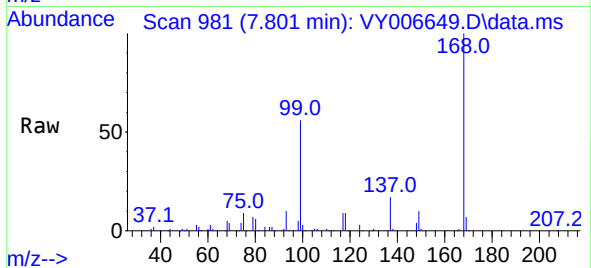




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

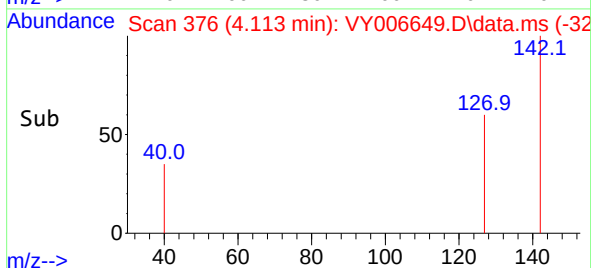
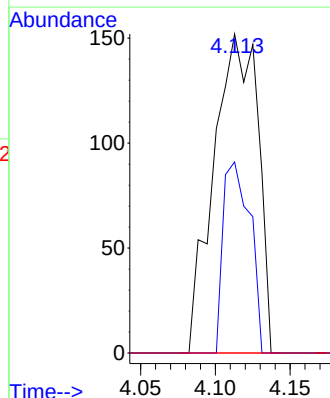
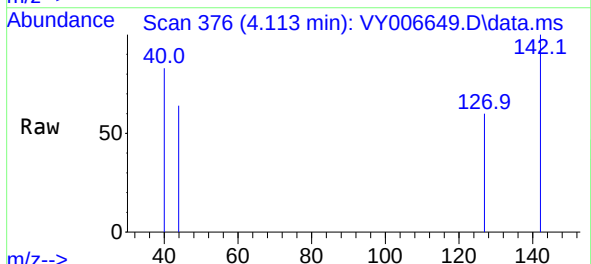
Instrument :
MSVOA_Y
ClientSampleId :

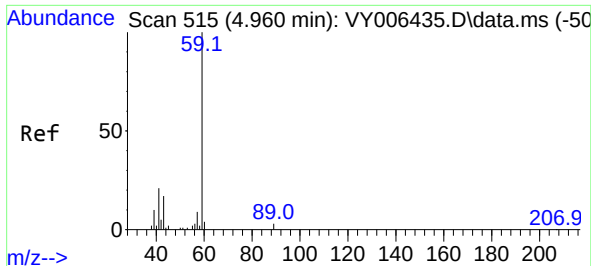
Tgt Ion:168 Resp: 118231
Ion Ratio Lower Upper
168 100
99 55.5 44.8 67.2



#10
Methyl Iodide
Concen: 5.301 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

Tgt Ion:142 Resp: 312
Ion Ratio Lower Upper
142 100
127 36.5 40.1 60.1#
141 0.0 12.5 18.7#





#11

Tert butyl alcohol

Concen: 2.799 ug/l

RT: 4.948 min Scan# 51

Delta R.T. -0.012 min

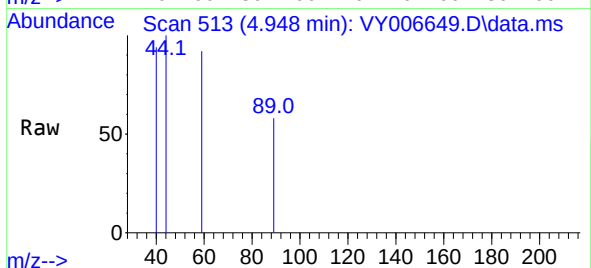
Lab File: VY006649.D

Acq: 05 Nov 2021 12:05

Instrument :

MSVOA_Y

ClientSampleId :

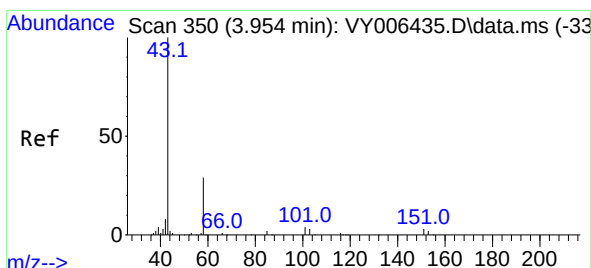
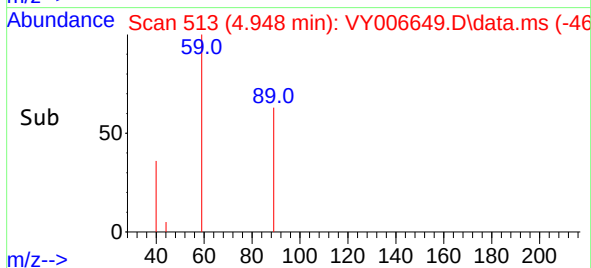
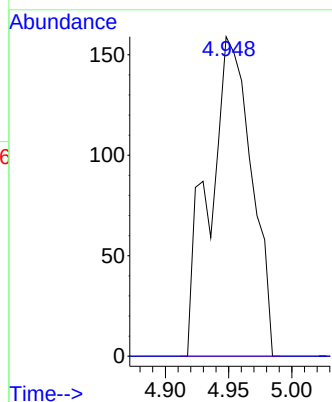


Tgt Ion: 59 Resp: 370

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 5.287 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY006649.D

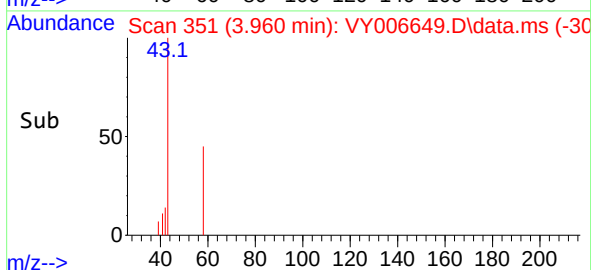
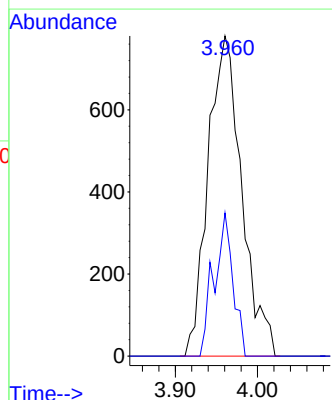
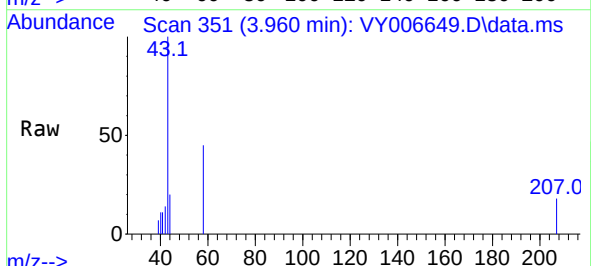
Acq: 05 Nov 2021 12:05

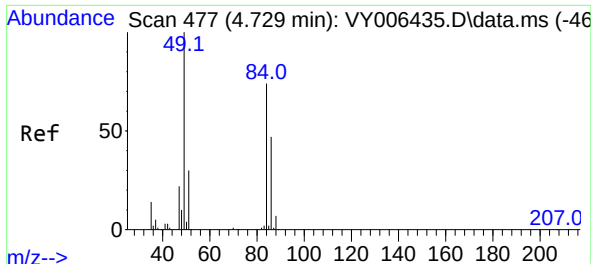
Tgt Ion: 43 Resp: 2215

Ion Ratio Lower Upper

43 100

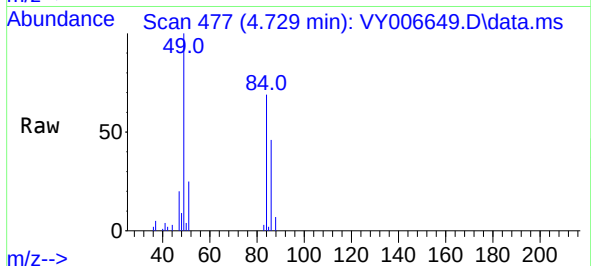
58 44.7 22.9 34.3#





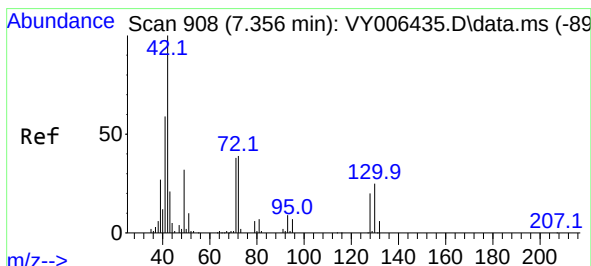
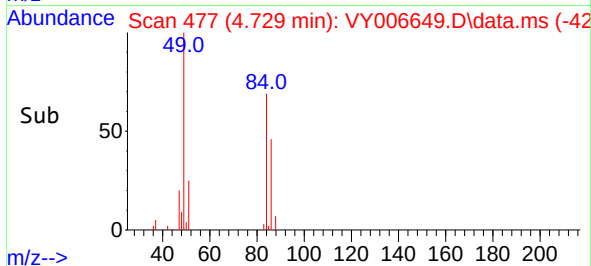
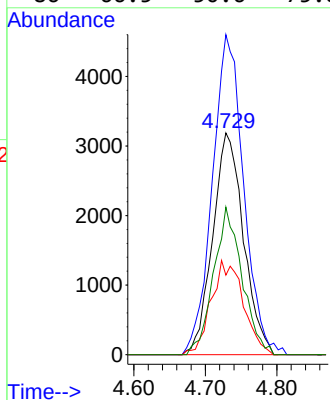
#20
Methylene Chloride
Concen: 3.611 ug/l
RT: 4.729 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 9557

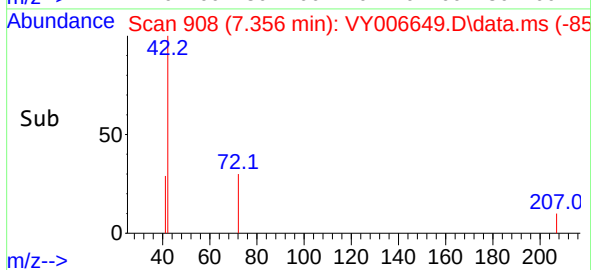
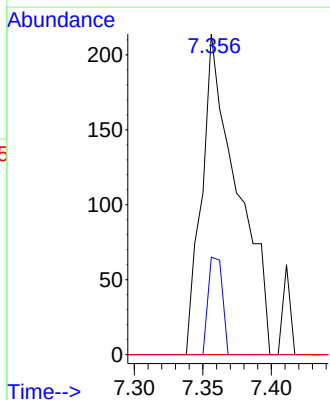
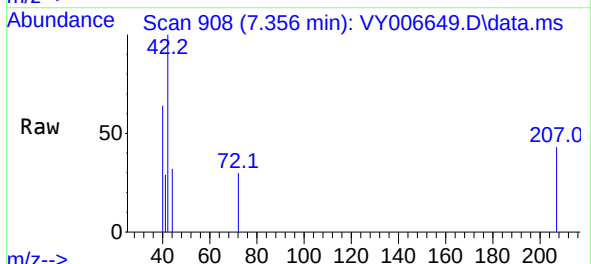
Ion	Ratio	Lower	Upper
84	100		
49	144.3	107.8	161.8
51	35.8	32.8	49.2
86	66.5	50.6	75.8

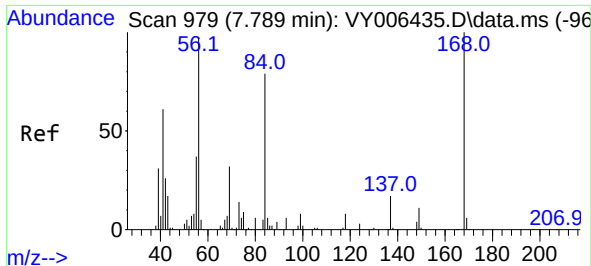


#29
Tetrahydrofuran
Concen: 1.146 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.000 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

Tgt Ion: 42 Resp: 386

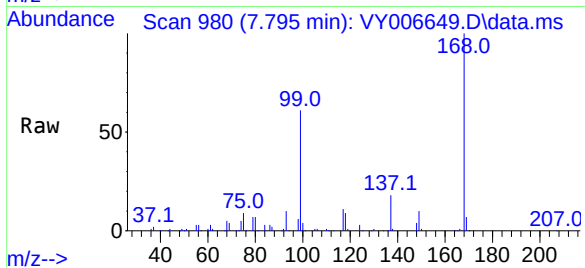
Ion	Ratio	Lower	Upper
42	100		
72	12.2	32.0	48.0#
71	0.0	30.3	45.5#



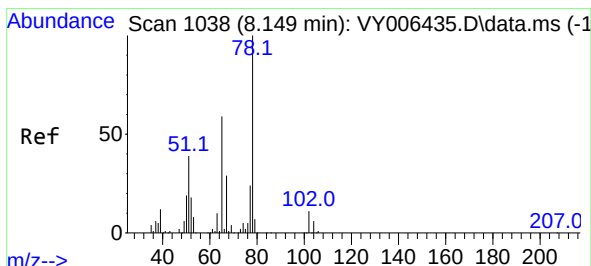
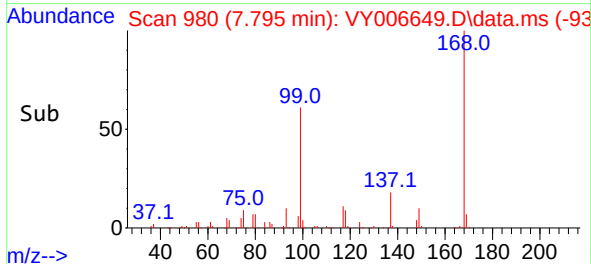
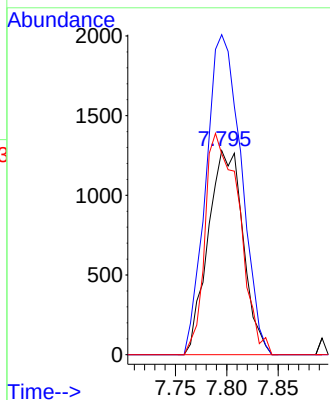


#31
Cyclohexane
Concen: 1.293 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

Instrument :
MSVOA_Y
ClientSampleId :

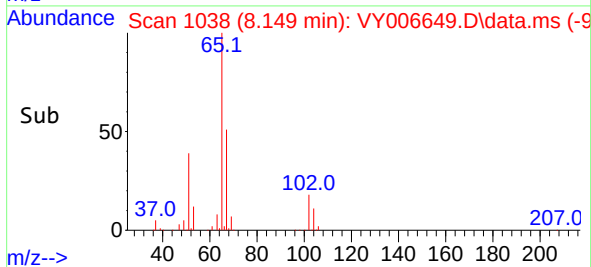
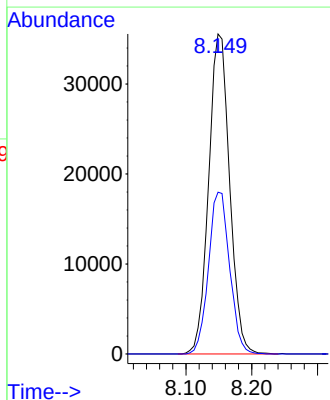
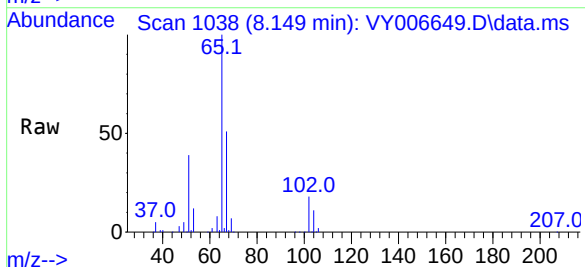


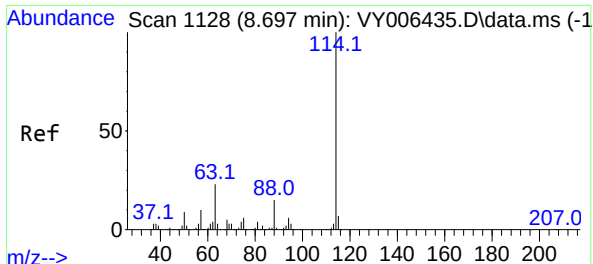
Tgt Ion: 56 Resp: 3045
Ion Ratio Lower Upper
56 100
69 156.9 26.6 40.0#
84 98.4 65.0 97.4#



#33
1,2-Dichloroethane-d4
Concen: 54.225 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

Tgt Ion: 65 Resp: 78893
Ion Ratio Lower Upper
65 100
67 50.9 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006649.D

Acq: 05 Nov 2021 12:05

Instrument :

MSVOA_Y

ClientSampleId :

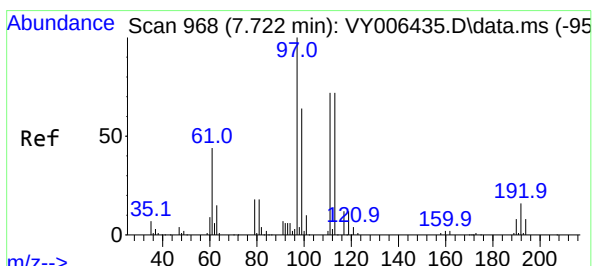
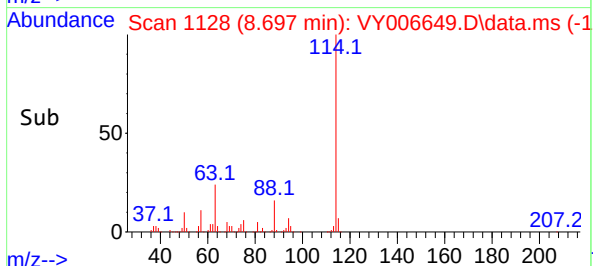
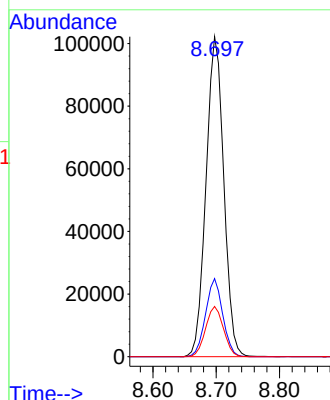
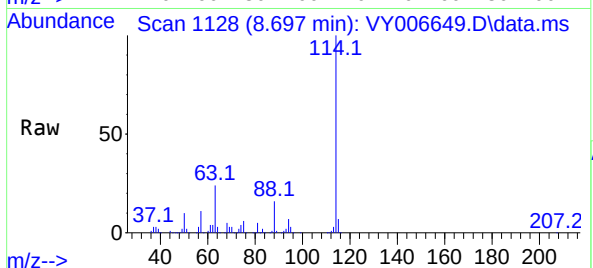
Tgt Ion:114 Resp: 199325

Ion Ratio Lower Upper

114 100

63 24.4 0.0 45.0

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.230 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY006649.D

Acq: 05 Nov 2021 12:05

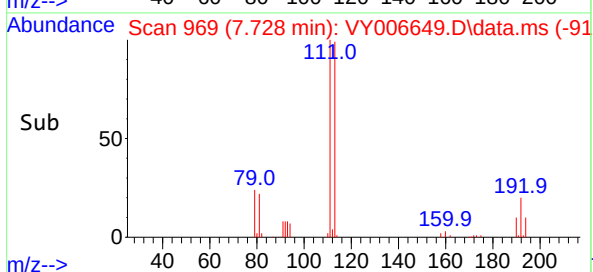
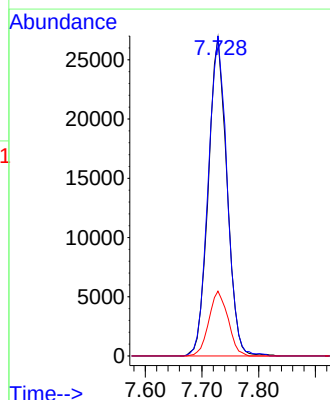
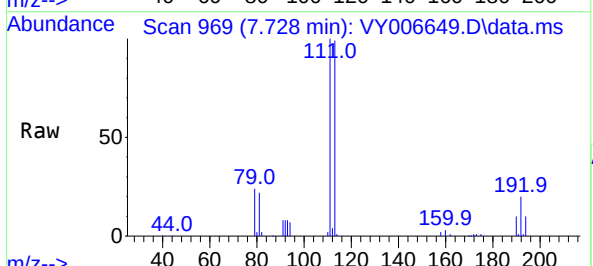
Tgt Ion:113 Resp: 61359

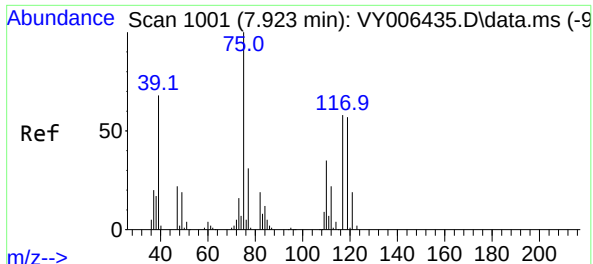
Ion Ratio Lower Upper

113 100

111 101.5 82.3 123.5

192 20.9 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY006649.D

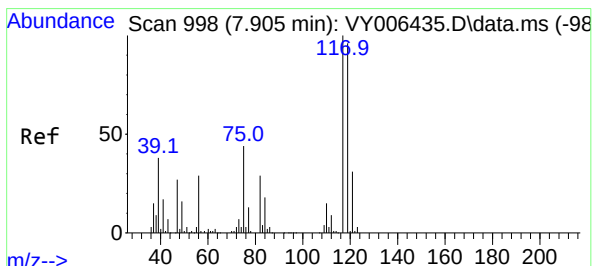
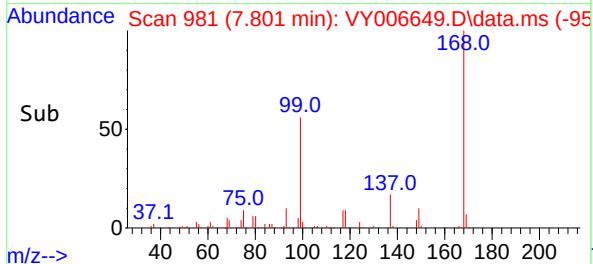
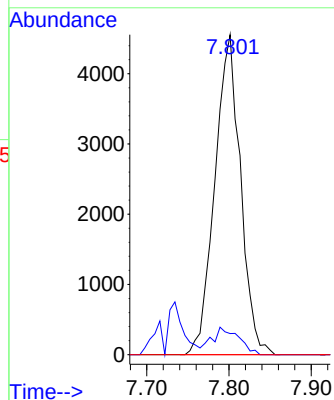
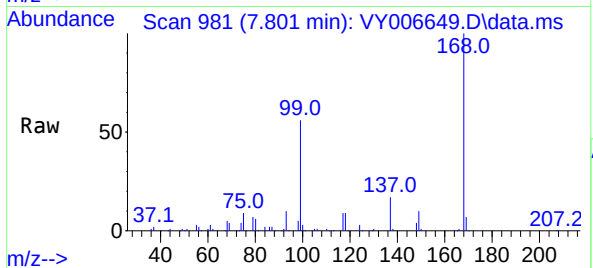
Acq: 05 Nov 2021 12:05

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	9882
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.1	51.3#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 5.513 ug/l

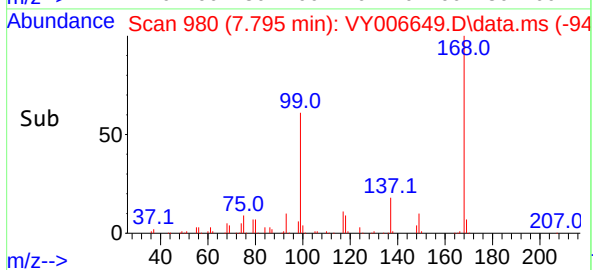
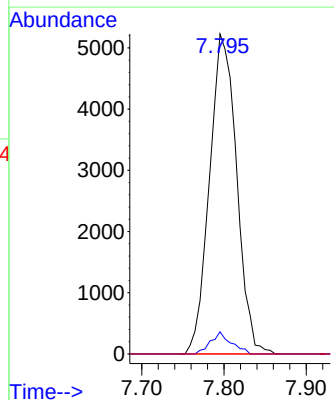
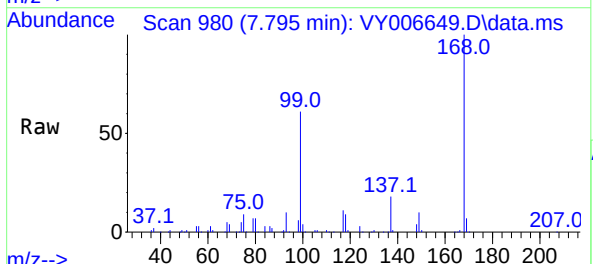
RT: 7.795 min Scan# 980

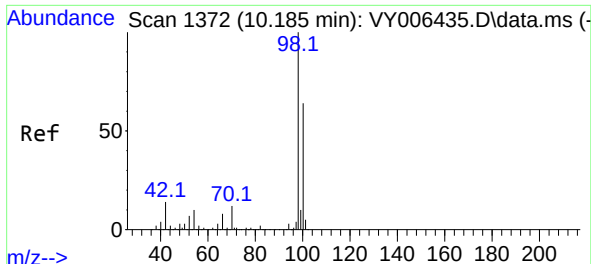
Delta R.T. -0.110 min

Lab File: VY006649.D

Acq: 05 Nov 2021 12:05

Tgt Ion:	117	Resp:	11978
Ion	Ratio	Lower	Upper
117	100		
119	7.0	76.6	115.0#
121	0.0	24.7	37.1#

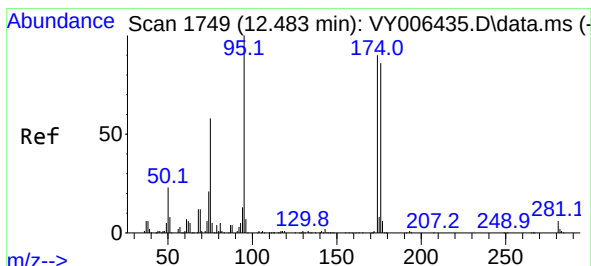
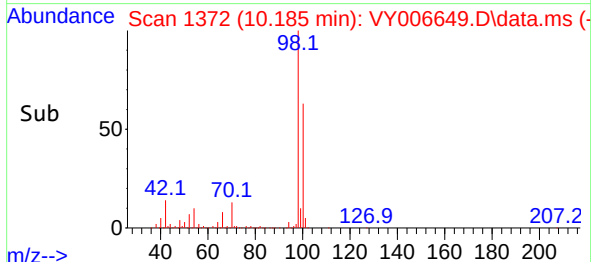
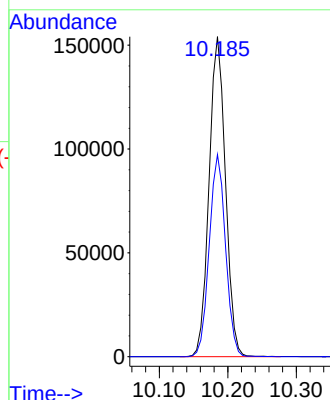
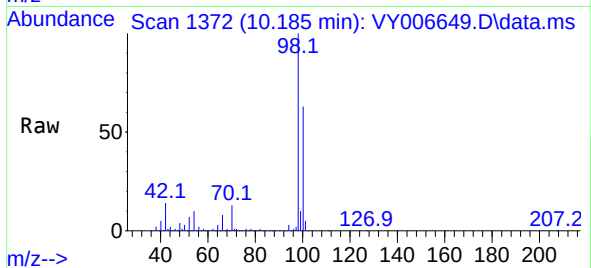




#50
Toluene-d8
Concen: 54.531 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

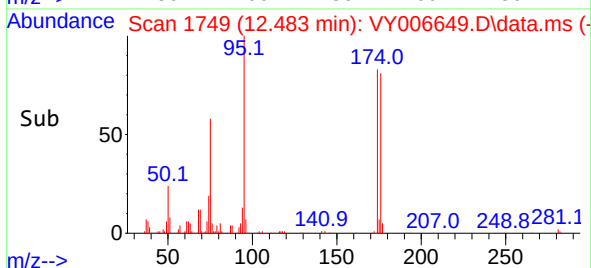
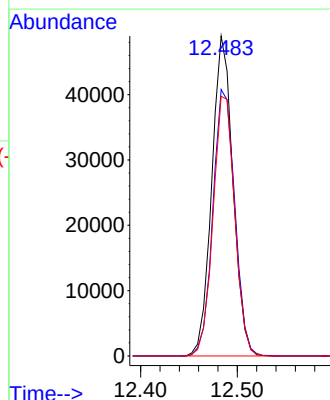
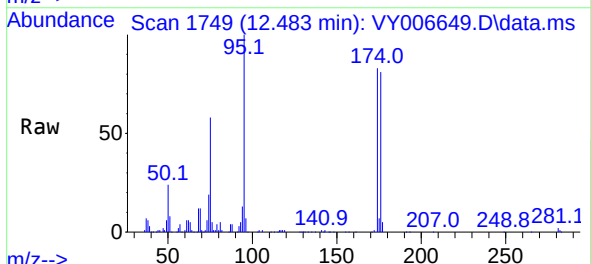
Instrument :
MSVOA_Y
ClientSampleId :

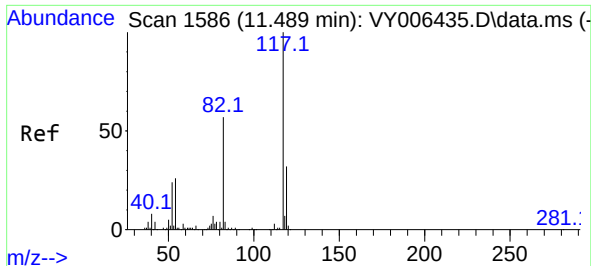
Tgt Ion: 98 Resp: 256819
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.858 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

Tgt Ion: 95 Resp: 74339
Ion Ratio Lower Upper
95 100
174 86.3 0.0 177.0
176 83.1 0.0 169.4

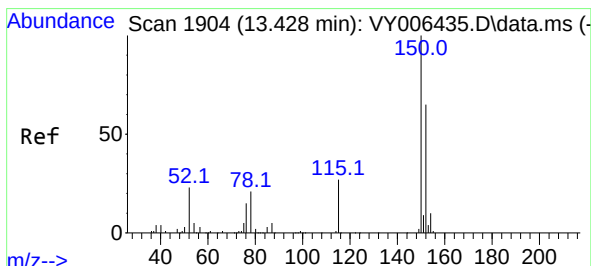
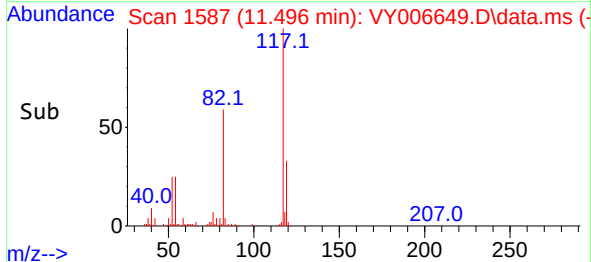
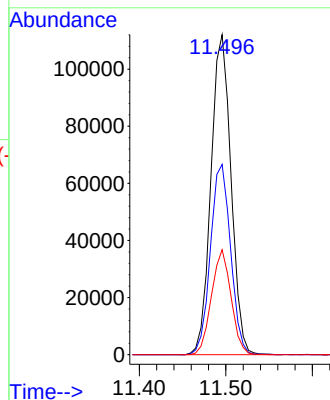
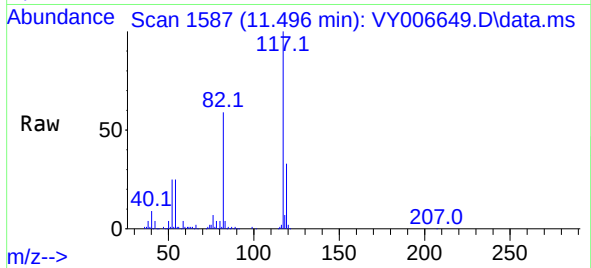




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

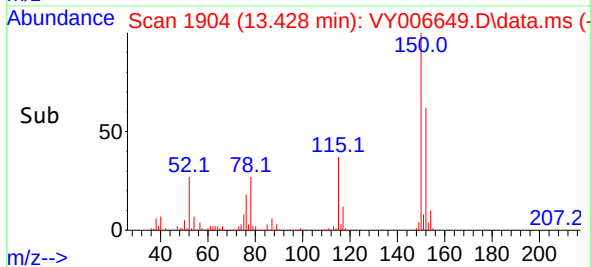
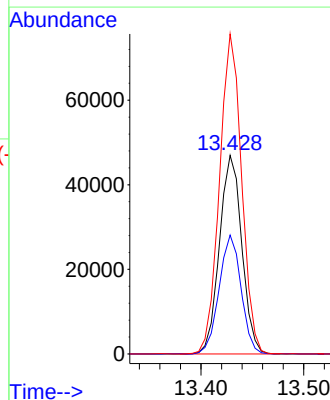
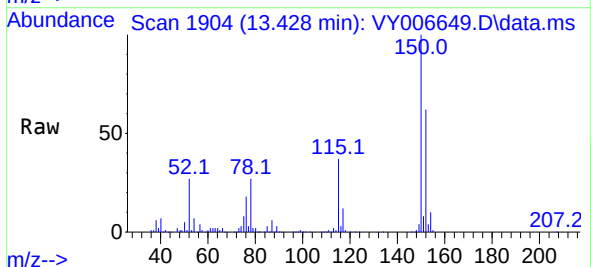
Instrument :
MSVOA_Y
ClientSampleId :

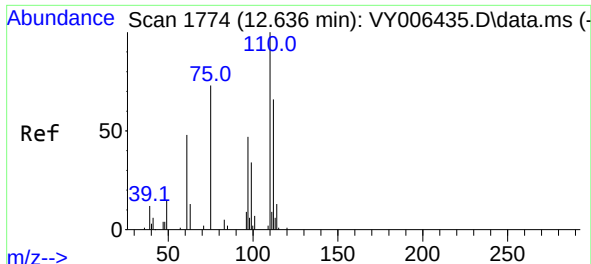
Tgt Ion:117 Resp: 180226
Ion Ratio Lower Upper
117 100
82 59.4 45.7 68.5
119 32.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

Tgt Ion:152 Resp: 70911
Ion Ratio Lower Upper
152 100
115 58.7 28.5 85.5
150 159.4 0.0 348.2

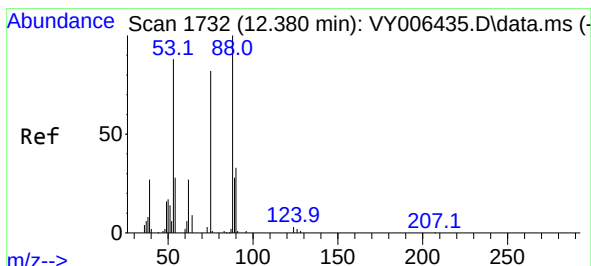
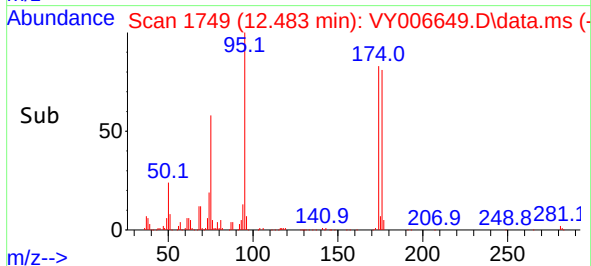
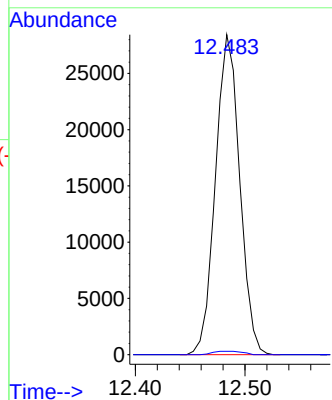
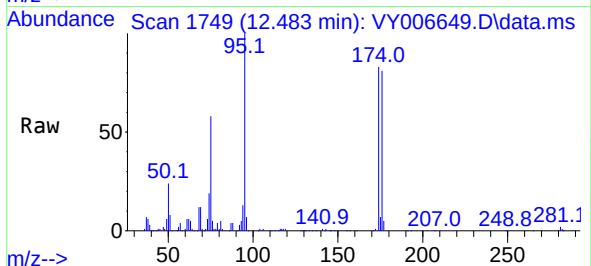




#76
1,2,3-Trichloropropane
Concen: 59.842 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 43728
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.854 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006649.D
Acq: 05 Nov 2021 12:05

Tgt Ion: 75 Resp: 43728
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#

