

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091521\
 Data File : VY006023.D
 Acq On : 15 Sep 2021 14:47
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 16 01:22:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

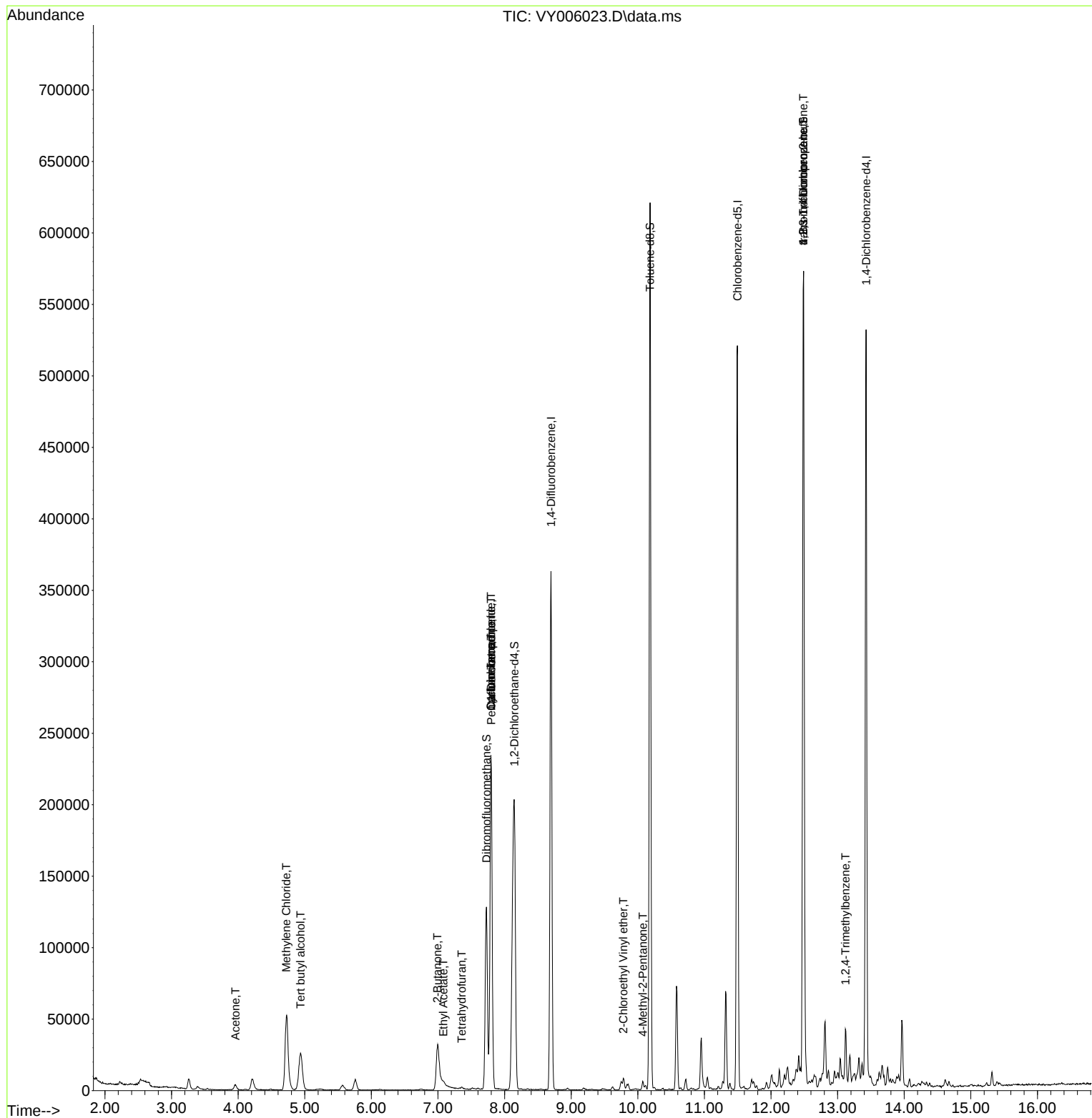
Internal Standards						
1) Pentafluorobenzene	7.801	168	174972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	285974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	260523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124326	51.153	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.300%
35) Dibromofluoromethane	7.728	113	86431	48.660	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.320%
50) Toluene-d8	10.185	98	368378	48.660	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.483	95	126422	49.186	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	27575	37.198	ug/l #	79
16) Acetone	3.960	43	6718	10.078	ug/l	99
20) Methylene Chloride	4.722	84	36554	14.252	ug/l	93
25) 2-Butanone	6.990	43	3009	3.275	ug/l #	75
29) Tetrahydrofuran	7.356	42	859	1.488	ug/l #	71
31) Cyclohexane	7.795	56	4661	1.197	ug/l #	35
36) 1,1-Dichloropropene	7.795	75	15295	4.955	ug/l #	50
37) Ethyl Acetate	7.082	43	2616	1.227	ug/l #	81
38) Carbon Tetrachloride	7.795	117	17789	5.294	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	4596	2.171	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.782	63	3369	2.472	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	73309	55.196	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	73309	101.478	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	19558	2.437	ug/l	99

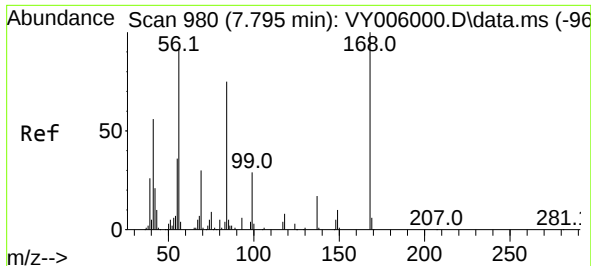
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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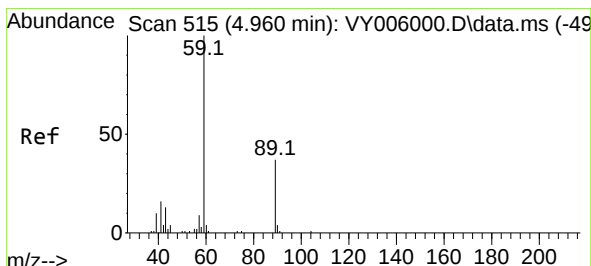
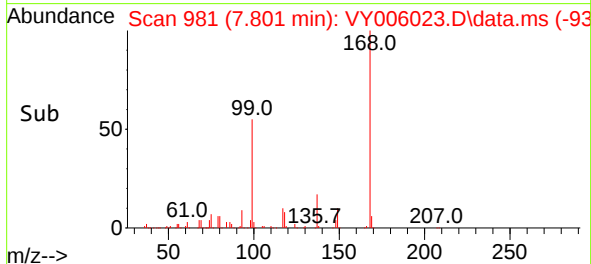
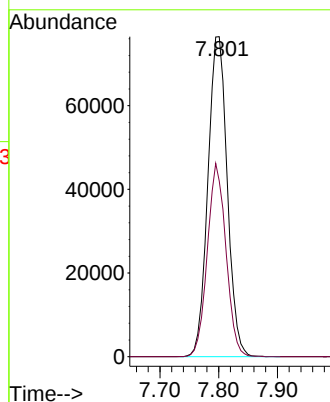
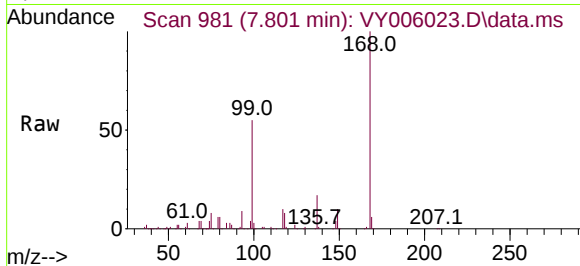




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

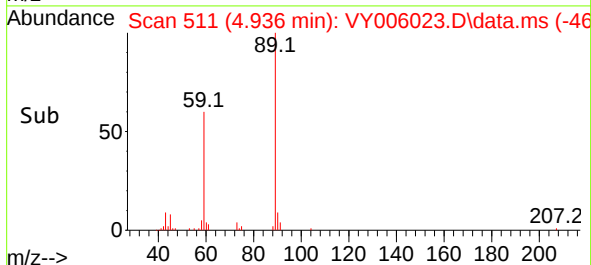
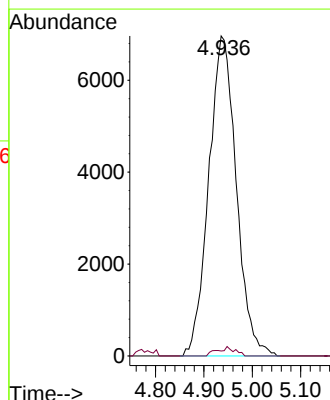
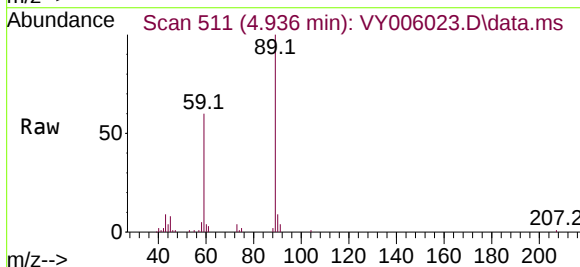
Instrument :
MSVOA_Y
ClientSampleId :

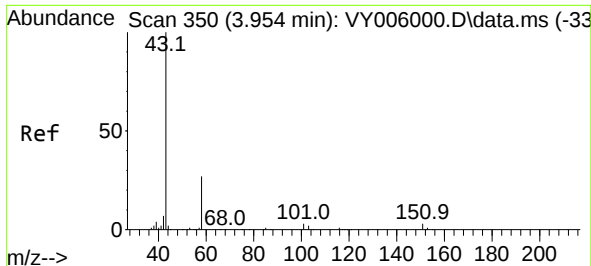
Tgt Ion:168 Resp: 174972
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#11
Tert butyl alcohol
Concen: 37.198 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

Tgt Ion: 59 Resp: 27575
Ion Ratio Lower Upper
59 100
57 0.7 6.4 9.6#

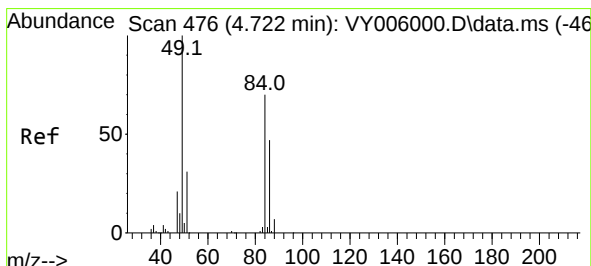
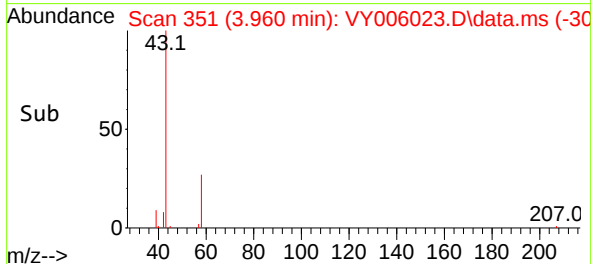
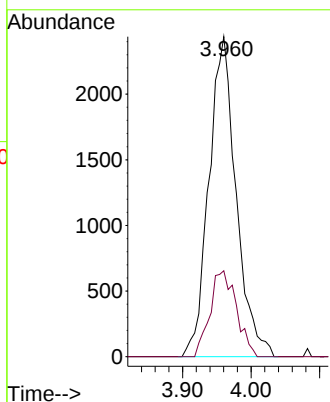
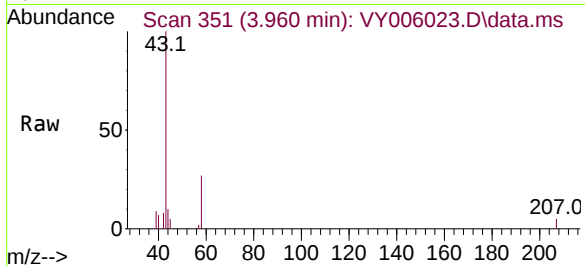




#16
Acetone
Concen: 10.078 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

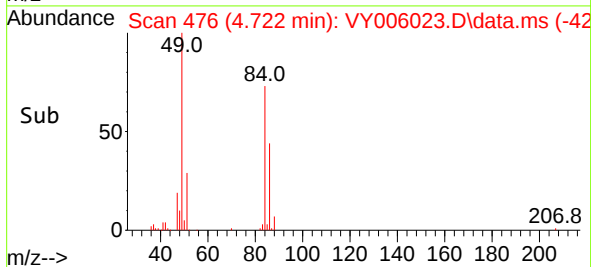
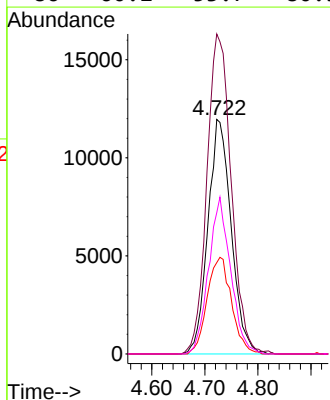
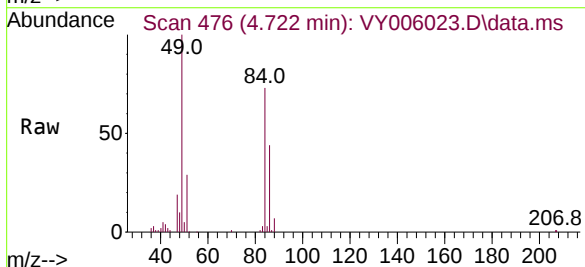
Instrument :
MSVOA_Y
ClientSampleId :

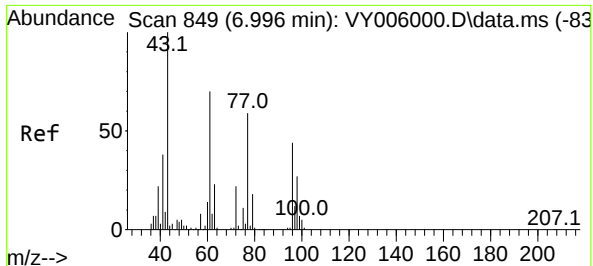
Tgt Ion: 43 Resp: 6718
Ion Ratio Lower Upper
43 100
58 26.9 22.0 33.0



#20
Methylene Chloride
Concen: 14.252 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

Tgt Ion: 84 Resp: 36554
Ion Ratio Lower Upper
84 100
49 136.4 114.4 171.6
51 38.9 35.3 52.9
86 60.2 53.7 80.5

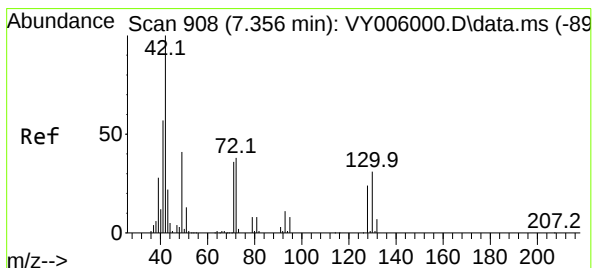
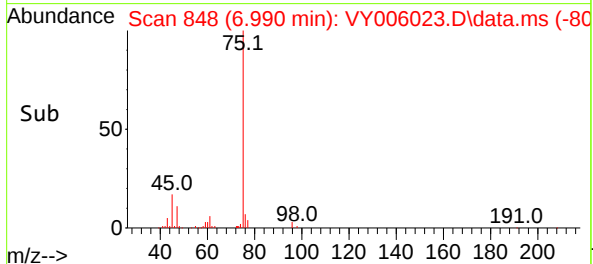
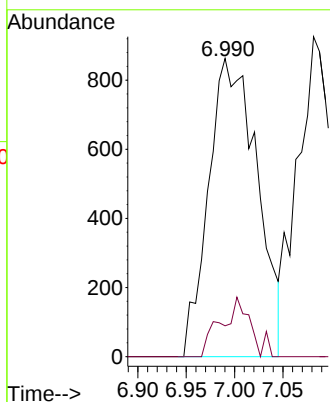
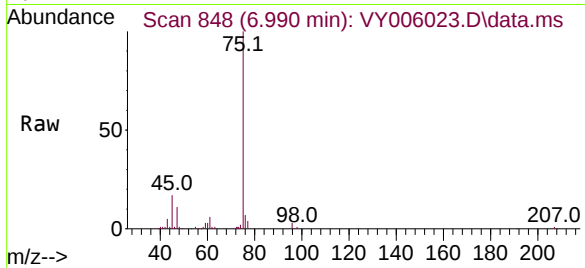




#25
2-Butanone
Concen: 3.275 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

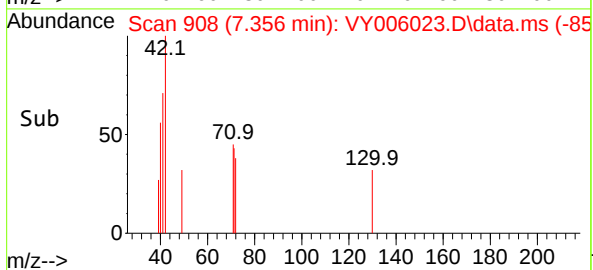
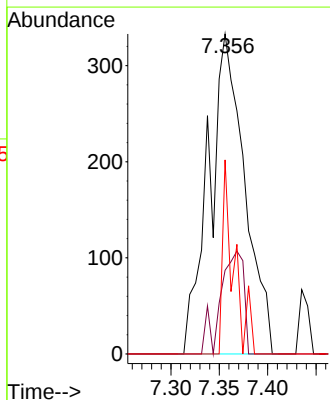
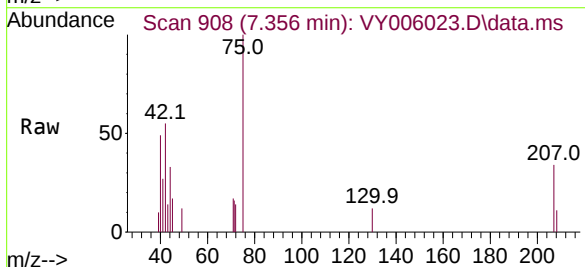
Instrument :
MSVOA_Y
ClientSampled :

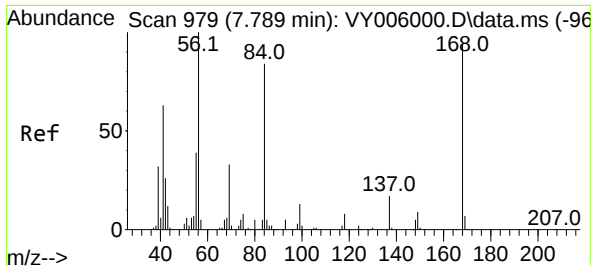
Tgt Ion: 43 Resp: 3009
Ion Ratio Lower Upper
43 100
72 10.3 17.7 26.5#



#29
Tetrahydrofuran
Concen: 1.488 ug/l
RT: 7.356 min Scan# 908
Delta R.T. -0.000 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

Tgt Ion: 42 Resp: 859
Ion Ratio Lower Upper
42 100
72 20.8 30.3 45.5#
71 19.2 29.0 43.4#

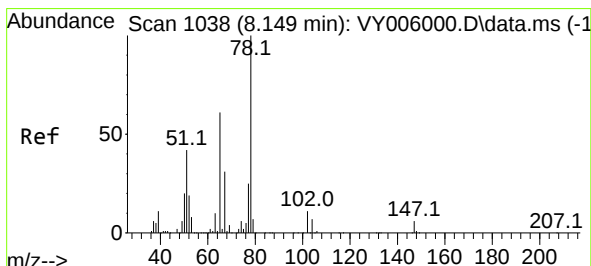
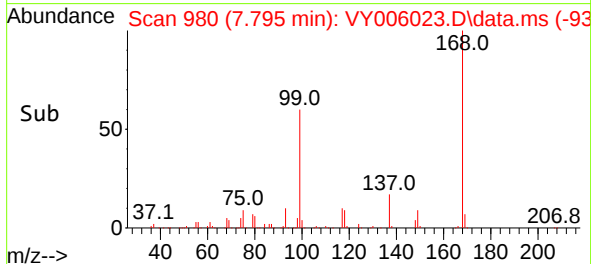
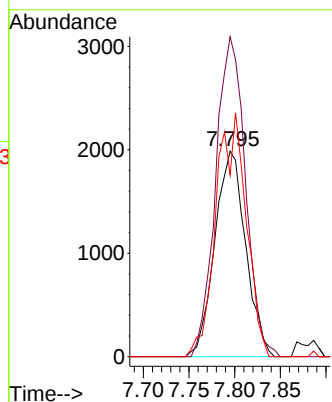
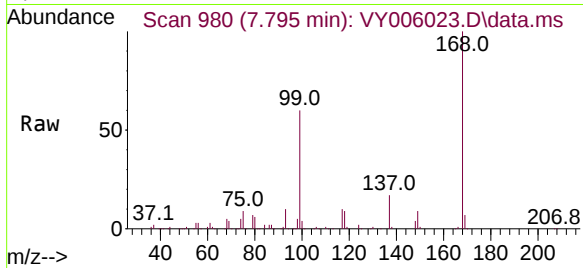




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

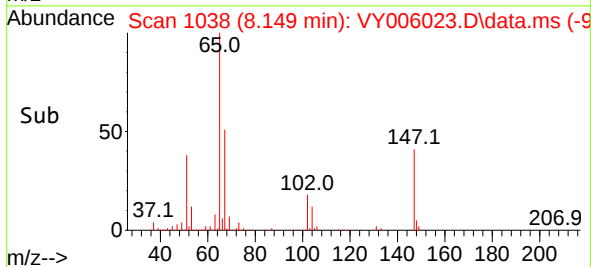
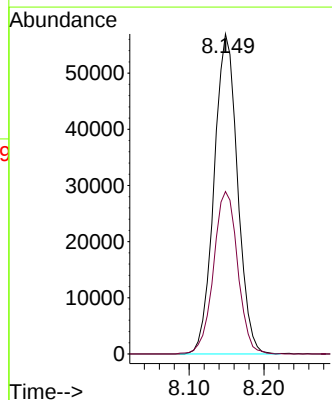
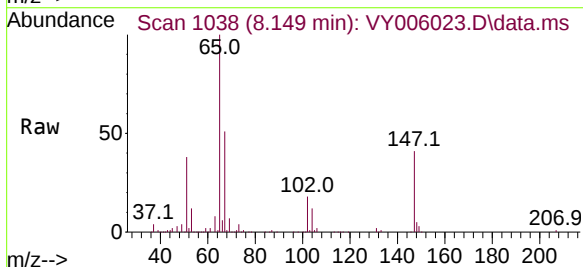
Instrument :
MSVOA_Y
ClientSampleId :

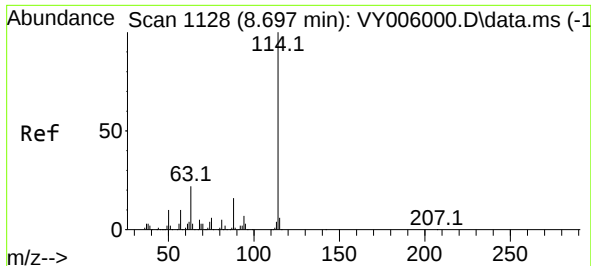
Tgt Ion: 56 Resp: 4661
Ion Ratio Lower Upper
56 100
69 155.8 26.7 40.1#
84 88.5 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 51.153 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

Tgt Ion: 65 Resp: 124326
Ion Ratio Lower Upper
65 100
67 52.4 0.0 99.4

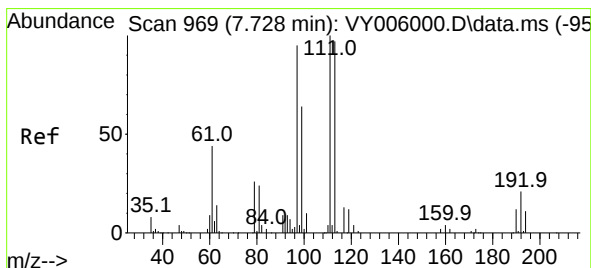
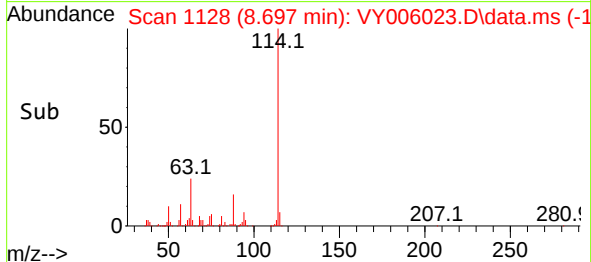
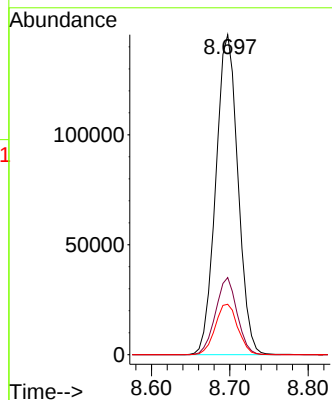
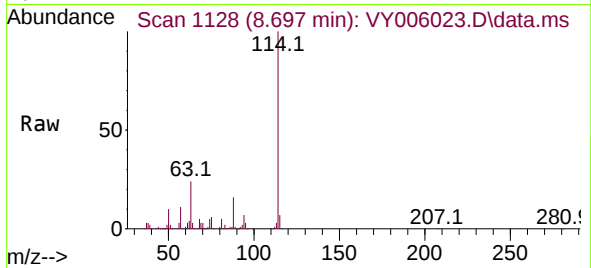




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

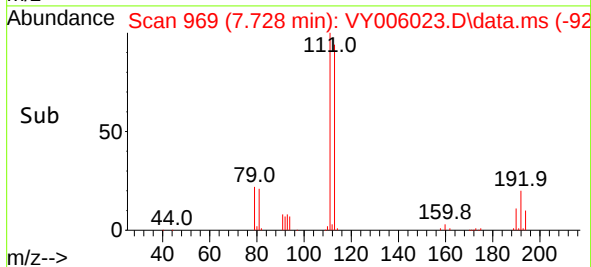
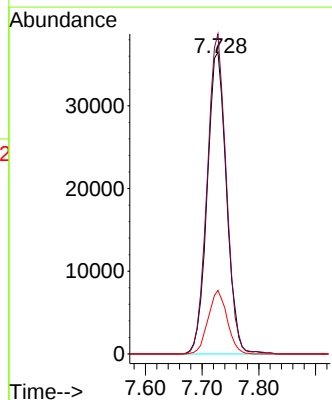
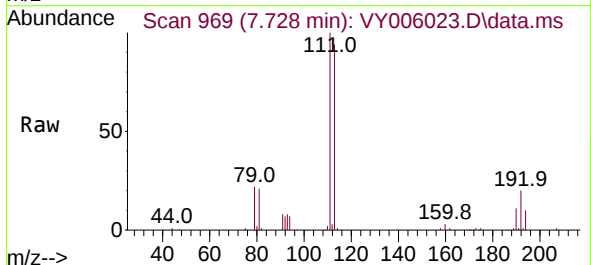
Instrument :
MSVOA_Y
ClientSampleId :

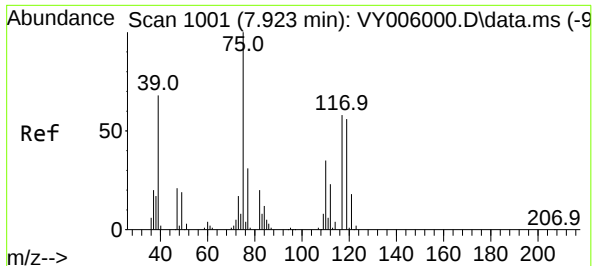
Tgt Ion:114 Resp: 285974
Ion Ratio Lower Upper
114 100
63 24.1 0.0 43.2
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.660 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

Tgt Ion:113 Resp: 86431
Ion Ratio Lower Upper
113 100
111 104.6 82.6 124.0
192 20.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.955 ug/l

RT: 7.795 min Scan# 980

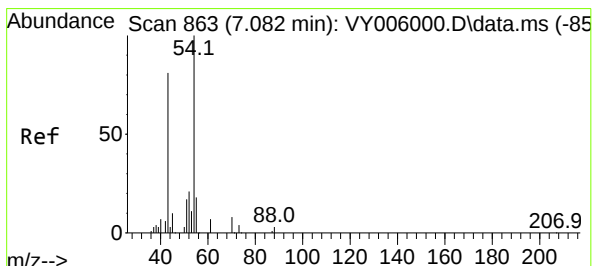
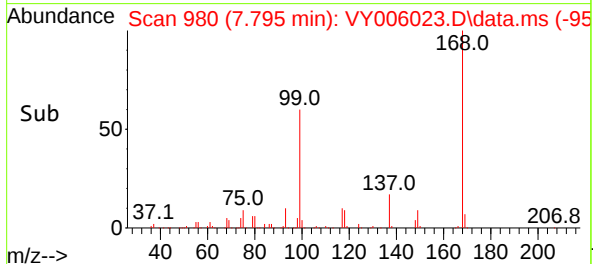
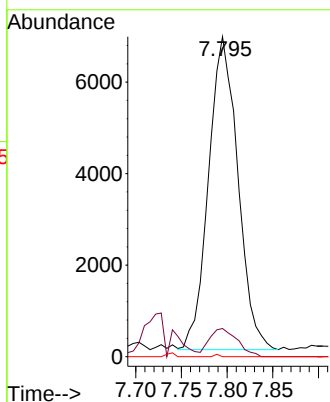
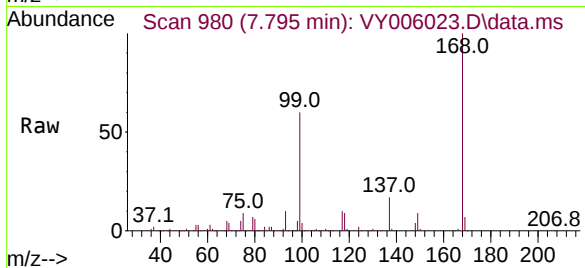
Delta R.T. -0.128 min

Lab File: VY006023.D

Acq: 15 Sep 2021 14:47

Tgt Ion:	75	Resp:	15295
Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.1	51.2#
77	0.1	24.4	36.6#

Instrument :
MSVOA_Y
ClientSampleId :



#37

Ethyl Acetate

Concen: 1.227 ug/l

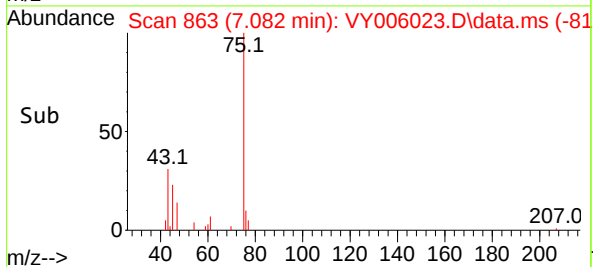
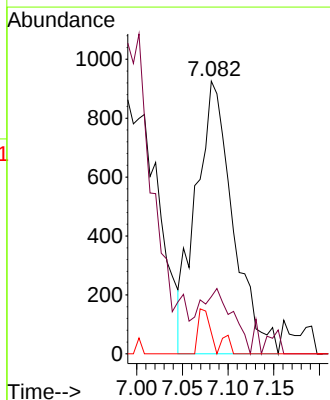
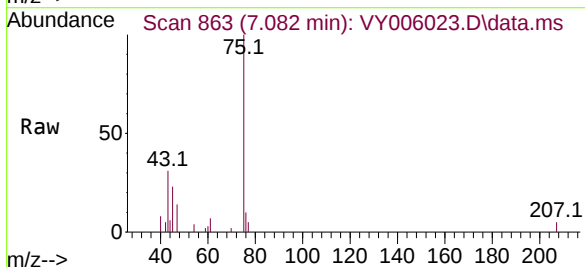
RT: 7.082 min Scan# 863

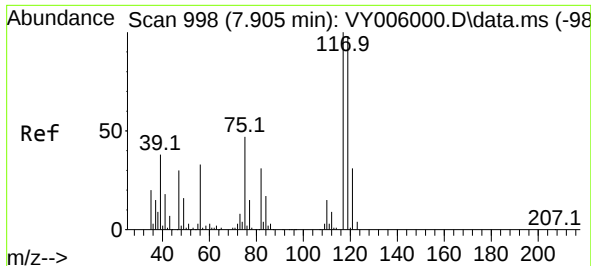
Delta R.T. -0.000 min

Lab File: VY006023.D

Acq: 15 Sep 2021 14:47

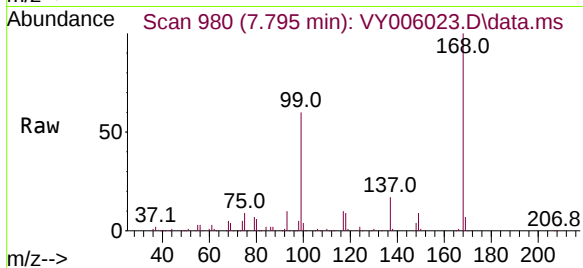
Tgt Ion:	43	Resp:	2616
Ion	Ratio	Lower	Upper
43	100		
61	19.4	9.7	14.5#
70	1.6	7.1	10.7#



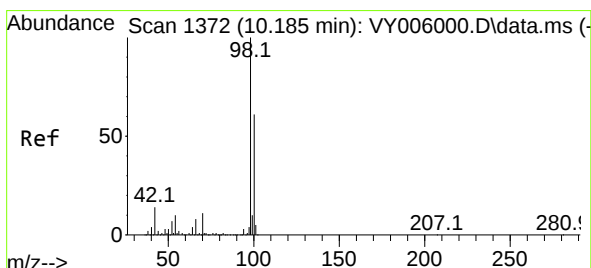
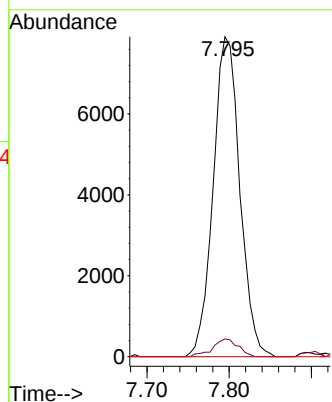
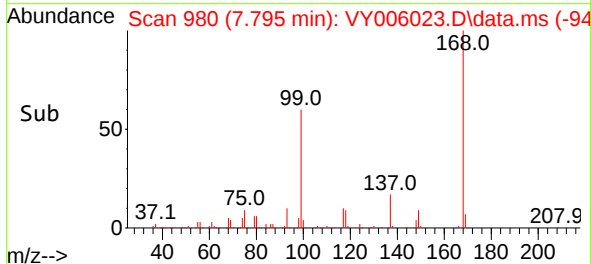


#38
Carbon Tetrachloride
Concen: 5.294 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

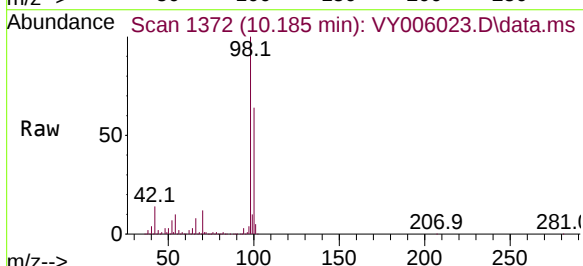
Instrument :
MSVOA_Y
ClientSampled :



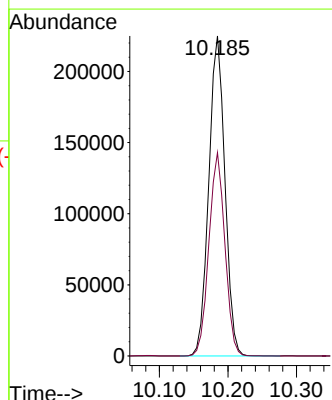
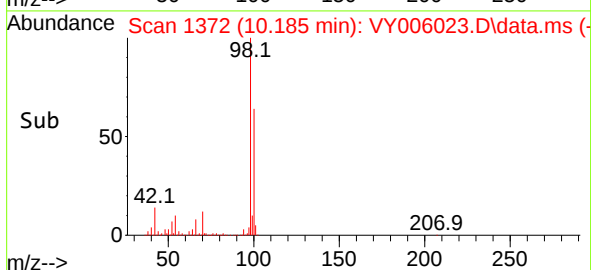
Tgt Ion: 117 Resp: 17789
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.8 37.2#

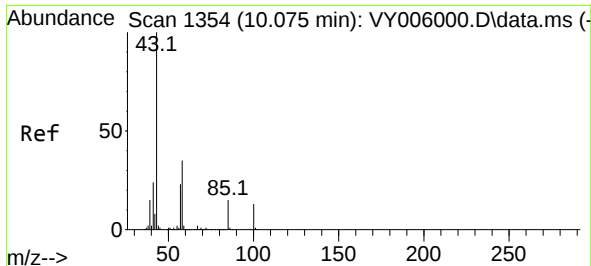


#50
Toluene-d8
Concen: 48.660 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47



Tgt Ion: 98 Resp: 368378
Ion Ratio Lower Upper
98 100
100 63.0 50.2 75.2

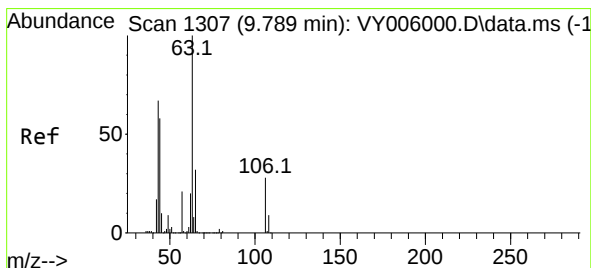
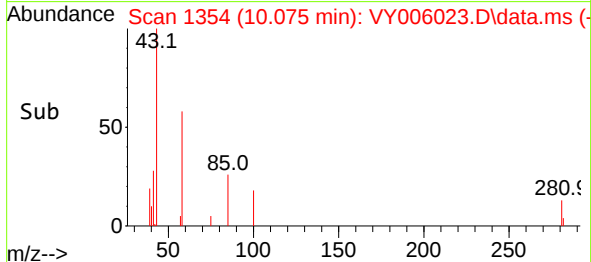
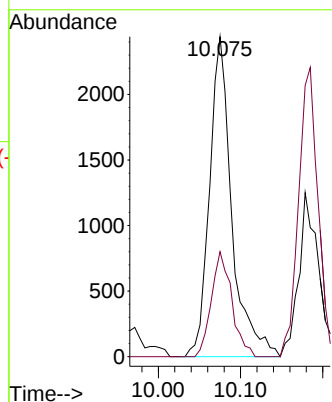
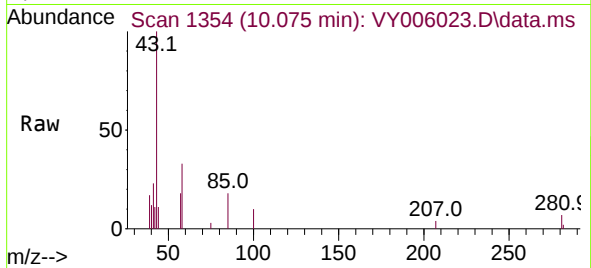




#51
4-Methyl-2-Pentanone
Concen: 2.171 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

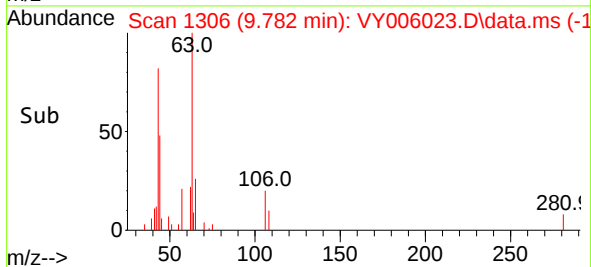
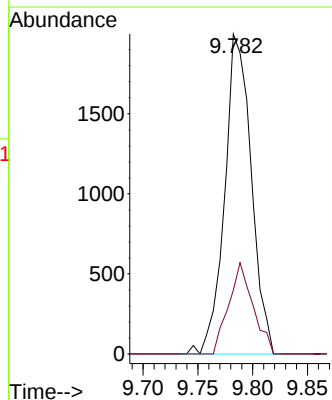
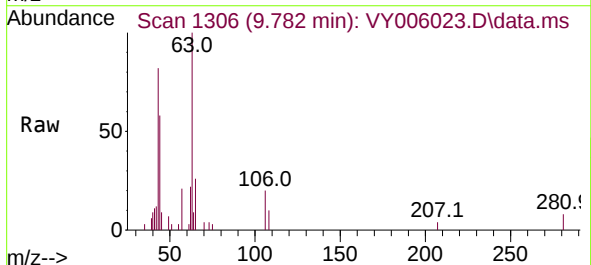
Instrument :
MSVOA_Y
ClientSampled :

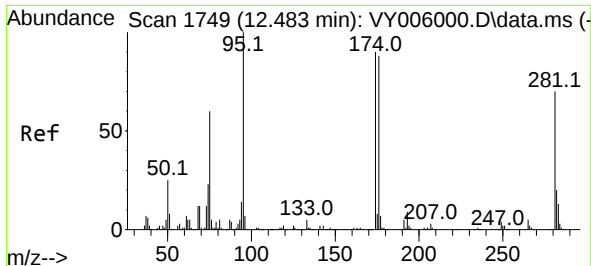
Tgt Ion: 43 Resp: 4596
Ion Ratio Lower Upper
43 100
58 30.2 28.1 42.1



#58
2-Chloroethyl Vinyl ether
Concen: 2.472 ug/l
RT: 9.782 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

Tgt Ion: 63 Resp: 3369
Ion Ratio Lower Upper
63 100
106 26.1 21.5 32.3

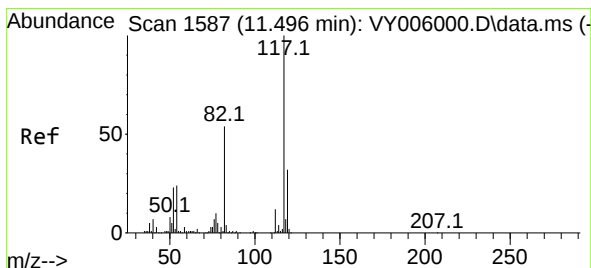
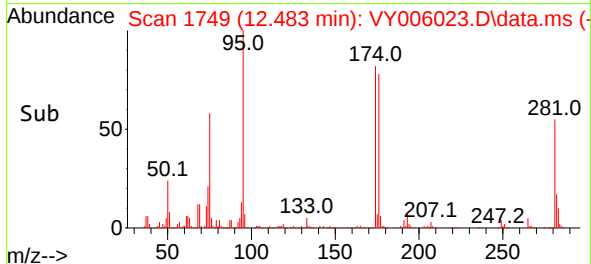
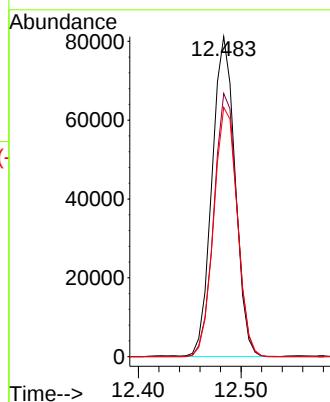
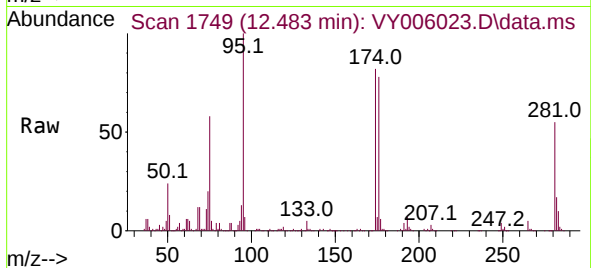




#62
4-Bromofluorobenzene
Concen: 49.186 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

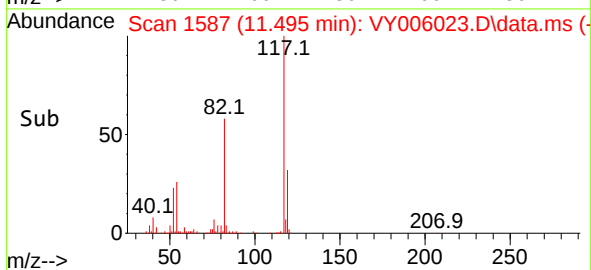
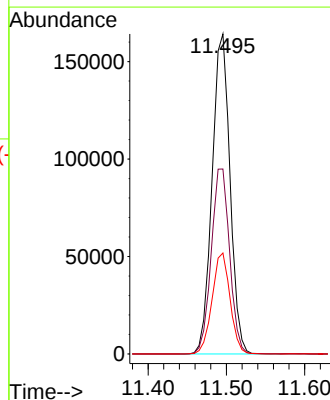
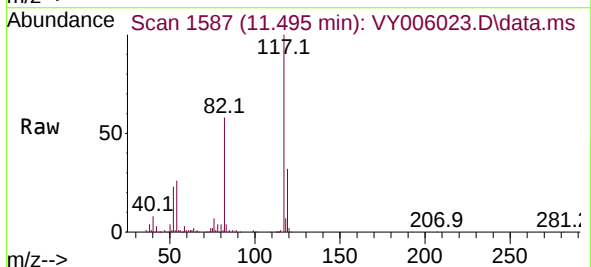
Instrument :
MSVOA_Y
ClientSampleId :

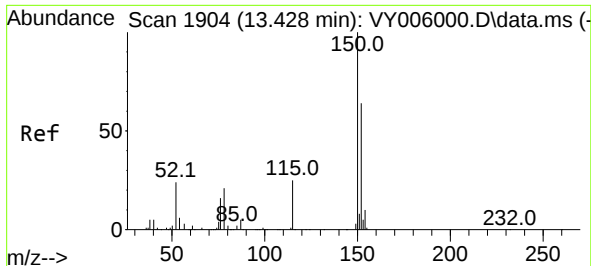
Tgt Ion: 95 Resp: 126422
Ion Ratio Lower Upper
95 100
174 82.5 0.0 177.0
176 79.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

Tgt Ion: 117 Resp: 260523
Ion Ratio Lower Upper
117 100
82 57.8 43.0 64.4
119 31.5 25.4 38.0

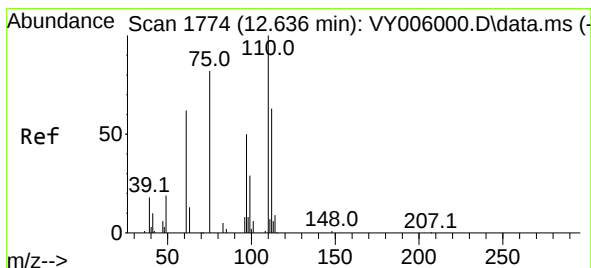
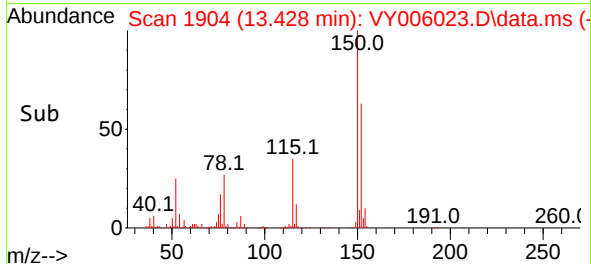
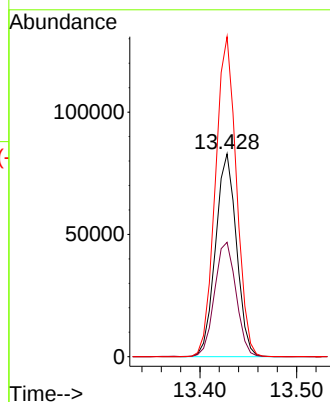
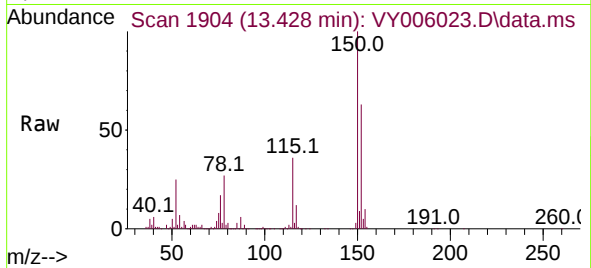




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY006023.D
 Acq: 15 Sep 2021 14:47

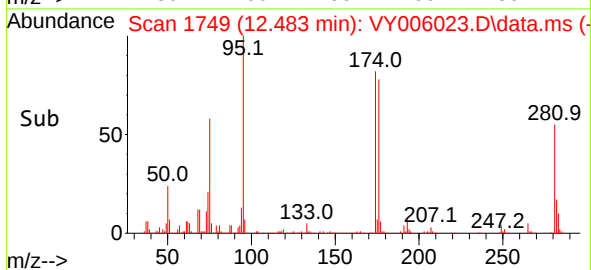
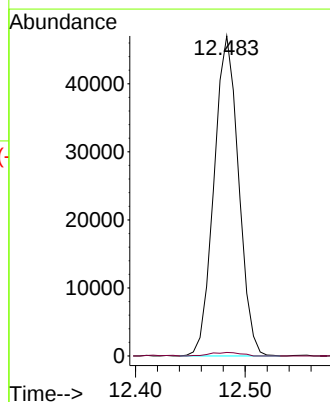
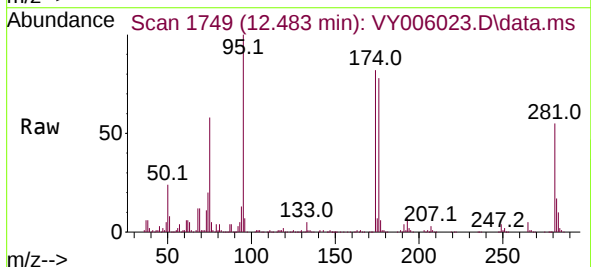
Instrument :
 MSVOA_Y
 ClientSampled :

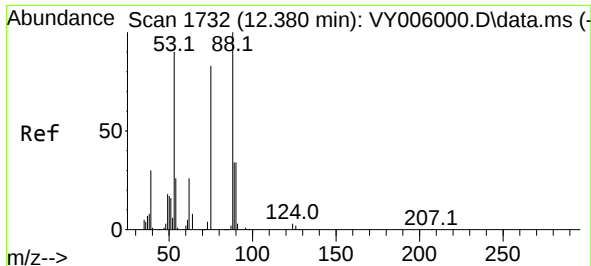
Tgt Ion:152 Resp: 124571
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.2 84.7
 150 158.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 55.196 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY006023.D
 Acq: 15 Sep 2021 14:47

Tgt Ion: 75 Resp: 73309
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

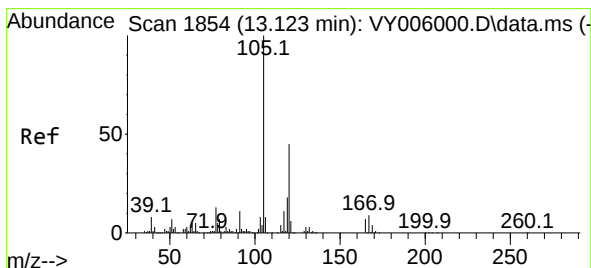
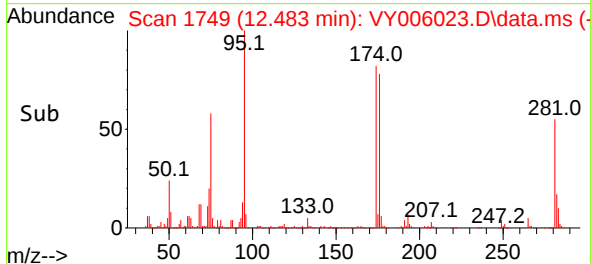
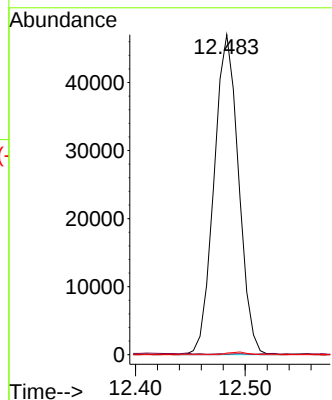
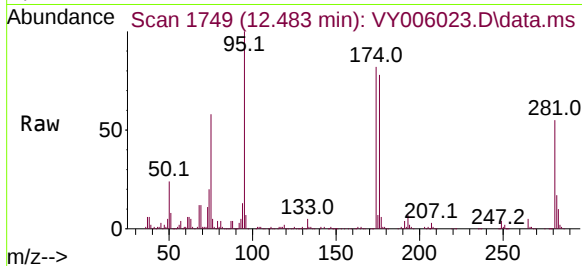




#81
trans-1,4-Dichloro-2-butene
Concen: 101.478 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 73309
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.6 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.437 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY006023.D
Acq: 15 Sep 2021 14:47

Tgt Ion: 105 Resp: 19558
Ion Ratio Lower Upper
105 100
120 45.3 22.3 66.9

