

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102621\
 Data File : VY006485.D
 Acq On : 26 Oct 2021 16:47
 Operator : SY/MD
 Sample : M4325-01
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 27 05:26:45 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	5016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	8939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	8169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3198	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	4882	79.093	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	158.180%
35) Dibromofluoromethane	7.728	113	755	15.154	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	30.300%#
50) Toluene-d8	10.185	98	10949	51.840	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.680%
62) 4-Bromofluorobenzene	12.483	95	3630	51.021	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.040%

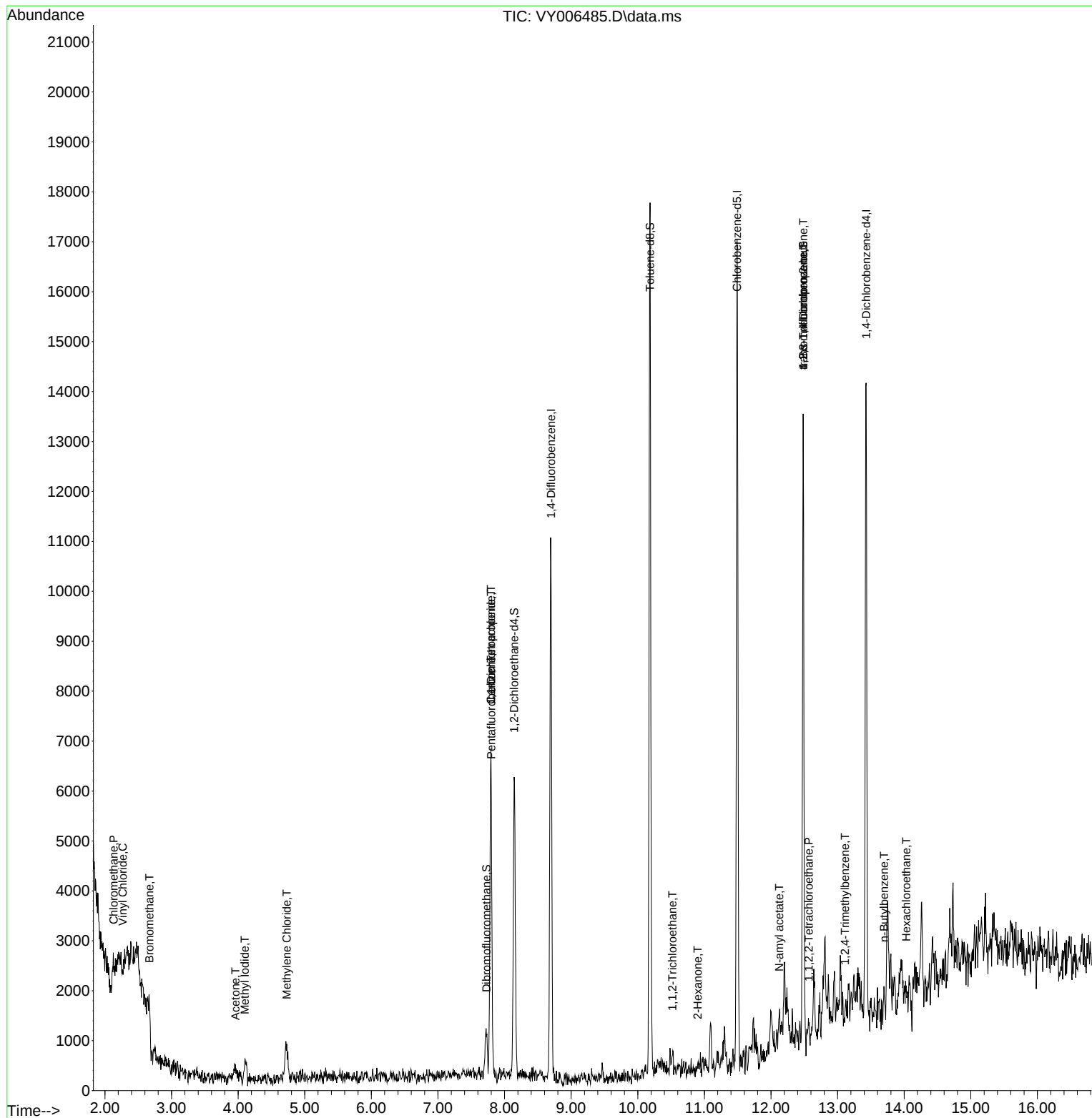
Target Compounds					Qvalue	
3) Chloromethane	2.132	50	289	4.618	ug/l #	43
4) Vinyl Chloride	2.266	62	246	3.519	ug/l #	44
5) Bromomethane	2.668	94	249	5.347	ug/l	90
10) Methyl Iodide	4.101	142	593	15.847	ug/l #	71
16) Acetone	3.960	43	422	23.743	ug/l #	46
20) Methylene Chloride	4.729	84	589	7.229	ug/l #	74
36) 1,1-Dichloropropene	7.795	75	444	5.027	ug/l #	42
38) Carbon Tetrachloride	7.795	117	448	4.598	ug/l #	12
55) 1,1,2-Trichloroethane	10.520	97	166	3.505	ug/l #	16
59) 2-Hexanone	10.898	43	42	1.021	ug/l #	28
74) N-amyl acetate	12.124	43	305	4.110	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.569	83	73	1.885	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	1936	58.748	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1936	120.607	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.111	105	224	1.196	ug/l #	31
89) n-Butylbenzene	13.697	91	268	1.382	ug/l #	56
90) Hexachloroethane	14.032	117	56	1.504	ug/l #	6

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102621\
Data File : VY006485.D
Acq On : 26 Oct 2021 16:47
Operator : SY/MD
Sample : M4325-01
Misc : 5.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 27 05:26:45 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

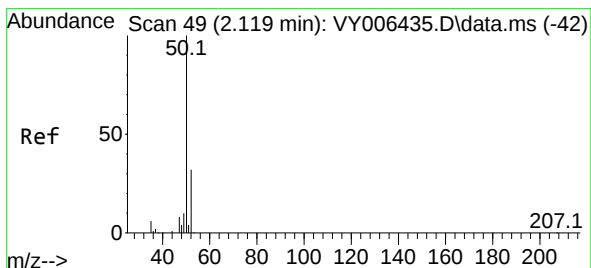
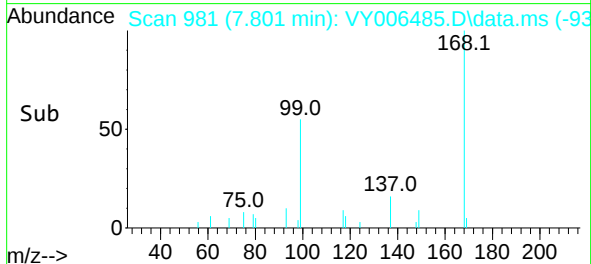
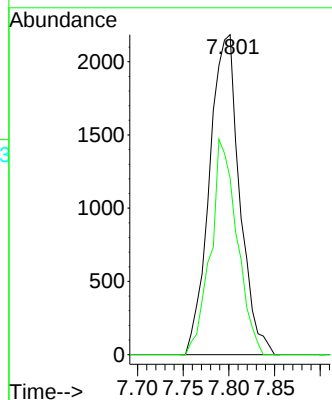
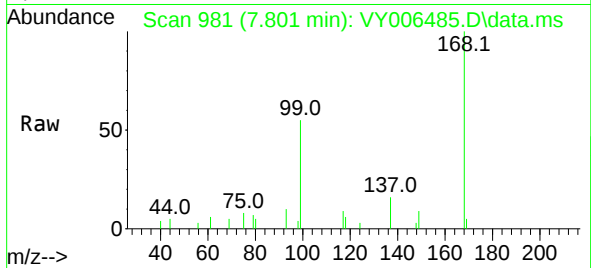




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

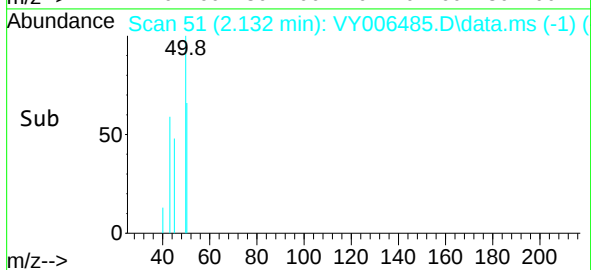
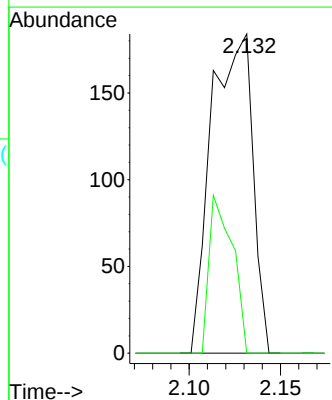
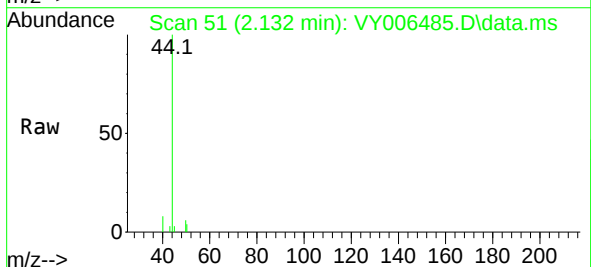
Instrument :
MSVOA_Y
ClientSampleId :

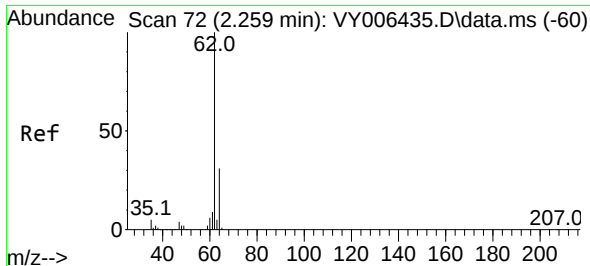
Tgt Ion:168 Resp: 5016
Ion Ratio Lower Upper
168 100
99 55.1 44.8 67.2



#3
Chloromethane
Concen: 4.618 ug/l
RT: 2.132 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

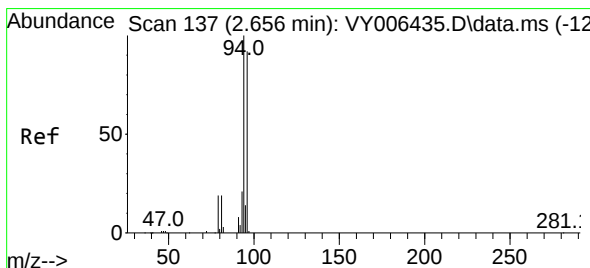
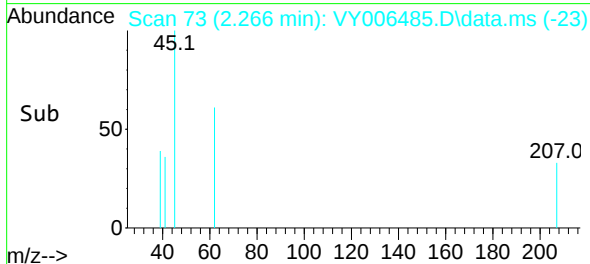
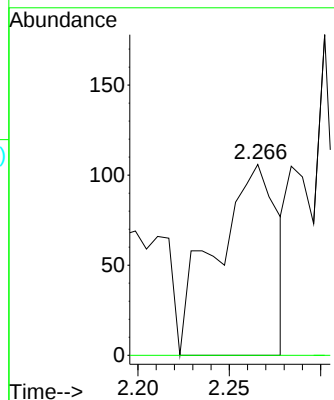
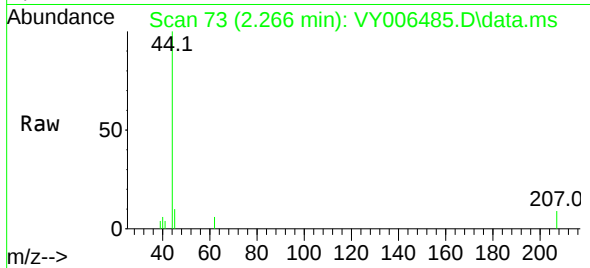




#4
 Vinyl Chloride
 Concen: 3.519 ug/l
 RT: 2.266 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VY006485.D
 Acq: 26 Oct 2021 16:47

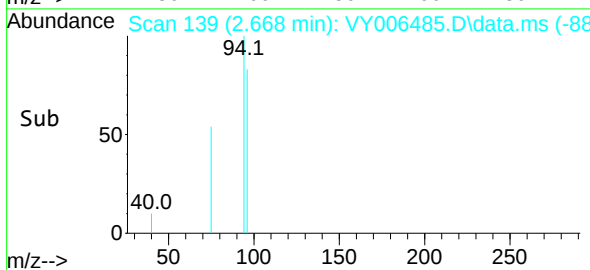
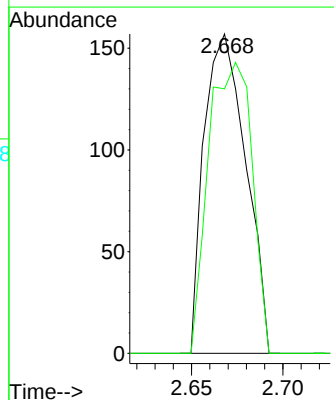
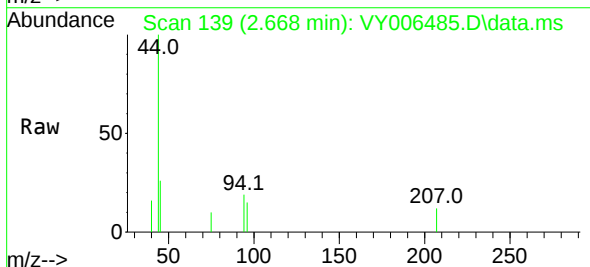
Instrument :
 MSVOA_Y
 ClientSampleId :

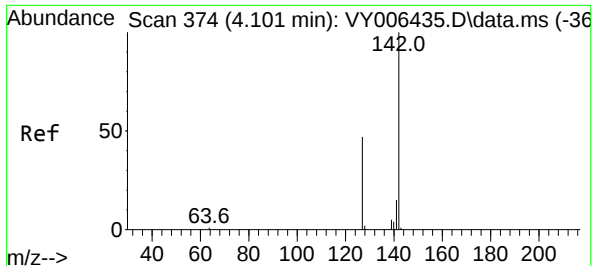
Tgt Ion: 62 Resp: 246
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#5
 Bromomethane
 Concen: 5.347 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.012 min
 Lab File: VY006485.D
 Acq: 26 Oct 2021 16:47

Tgt Ion: 94 Resp: 249
 Ion Ratio Lower Upper
 94 100
 96 82.8 73.5 110.3





#10

Methyl Iodide

Concen: 15.847 ug/l

RT: 4.101 min Scan# 31

Delta R.T. -0.000 min

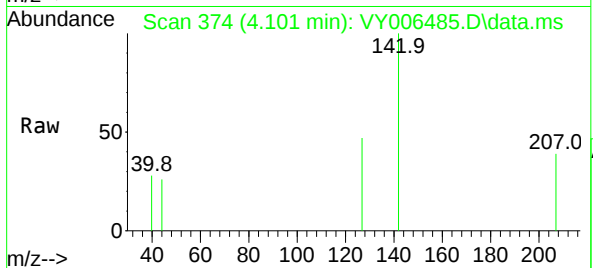
Lab File: VY006485.D

Acq: 26 Oct 2021 16:47

Instrument :

MSVOA_Y

ClientSampleId :



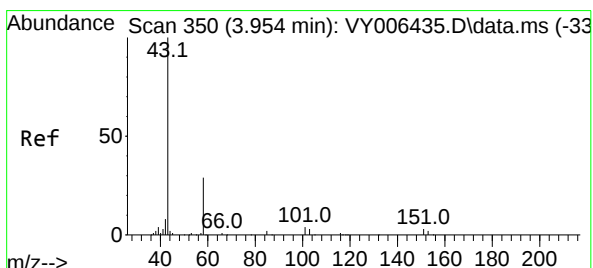
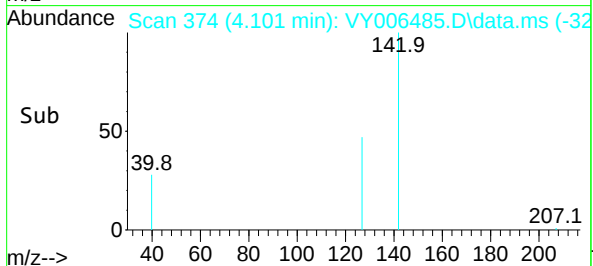
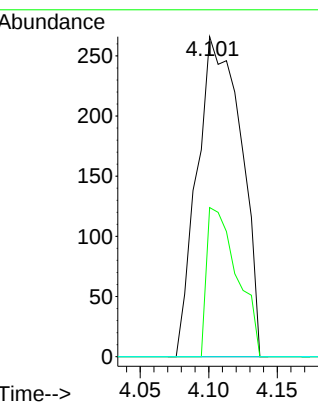
Tgt Ion:142 Resp: 593

Ion Ratio Lower Upper

142 100

127 32.2 40.1 60.1#

141 0.0 12.5 18.7#



#16

Acetone

Concen: 23.743 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY006485.D

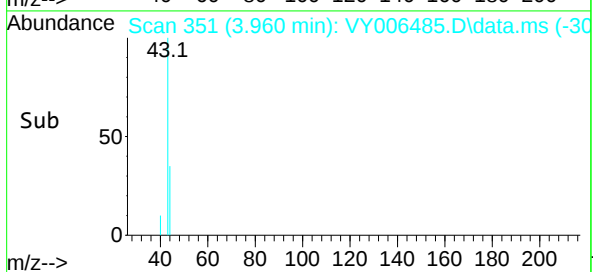
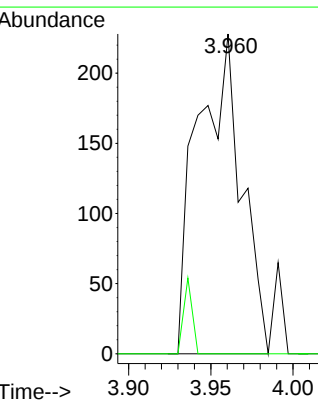
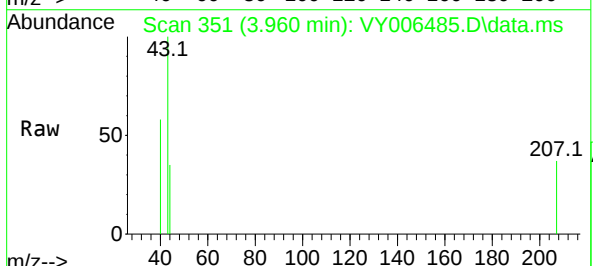
Acq: 26 Oct 2021 16:47

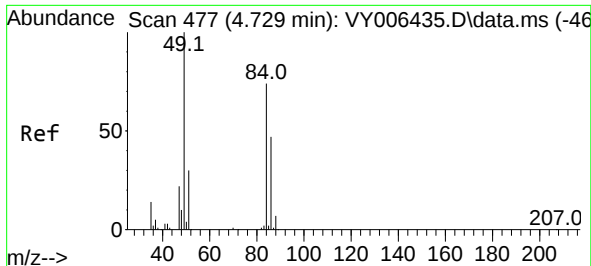
Tgt Ion: 43 Resp: 422

Ion Ratio Lower Upper

43 100

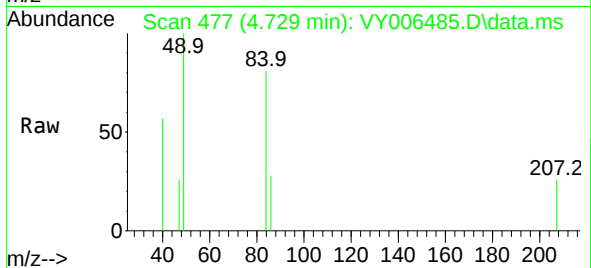
58 0.0 22.9 34.3#



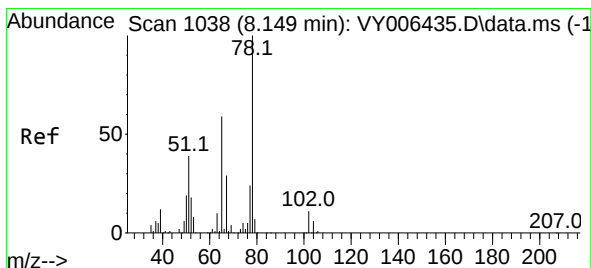
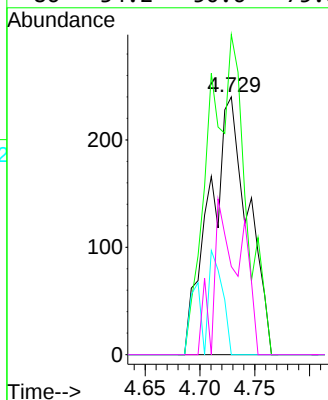
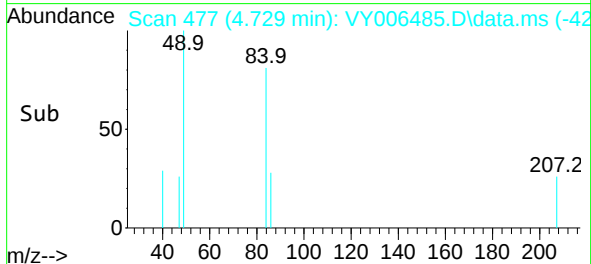


#20
Methylene Chloride
Concen: 7.229 ug/l
RT: 4.729 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

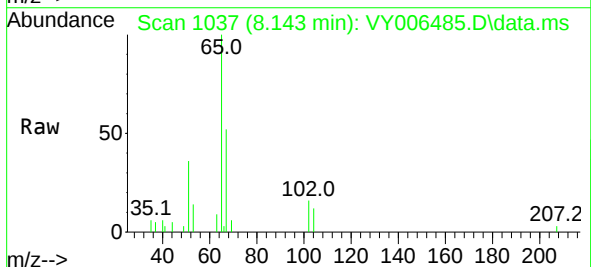
Instrument :
MSVOA_Y
ClientSampleId :



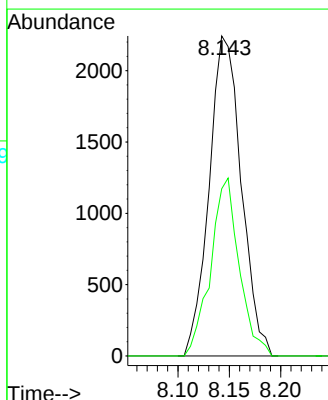
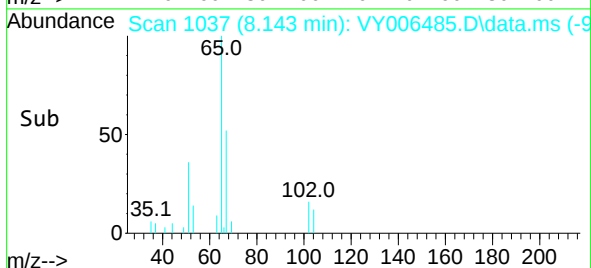
Tgt Ion: 84 Resp: 589
Ion Ratio Lower Upper
84 100
49 124.2 107.8 161.8
51 0.0 32.8 49.2#
86 34.2 50.6 75.8#

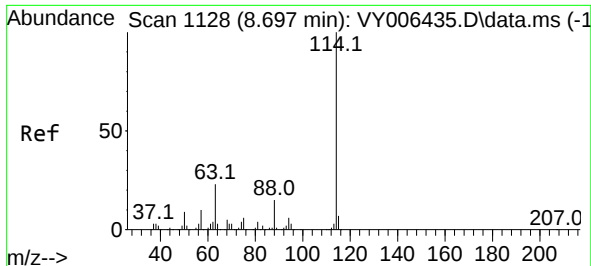


#33
1,2-Dichloroethane-d4
Concen: 79.093 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47



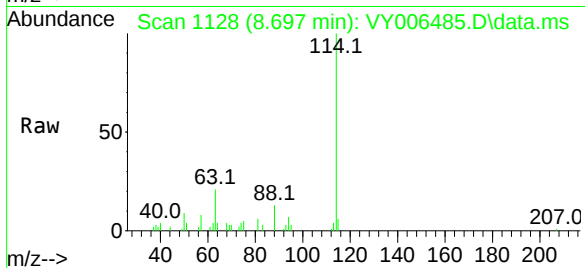
Tgt Ion: 65 Resp: 4882
Ion Ratio Lower Upper
65 100
67 49.4 0.0 98.2



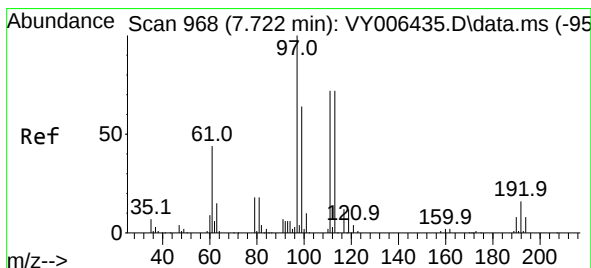
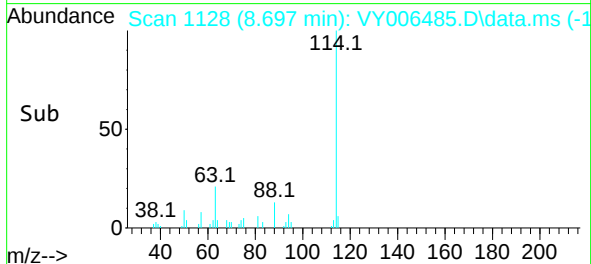
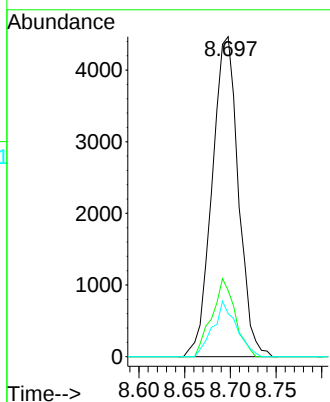


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

Instrument :
MSVOA_Y
ClientSampleId :

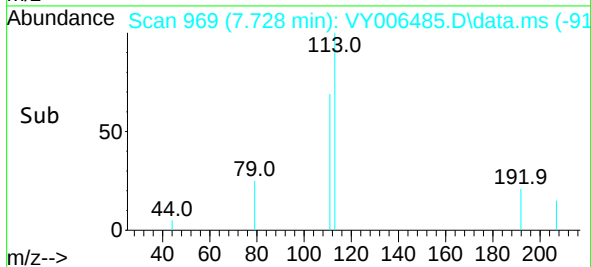
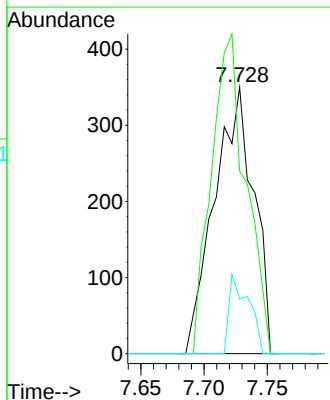
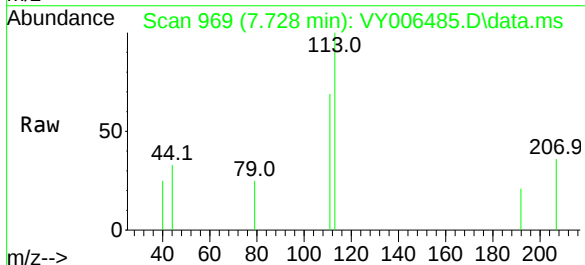


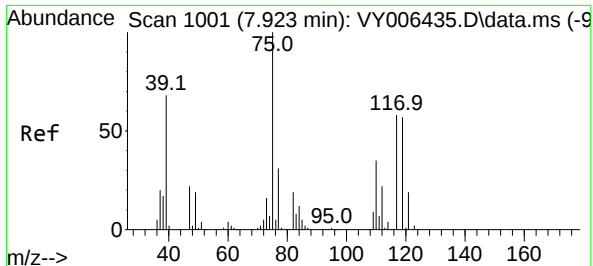
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	45.0
88	13.5	0.0	30.6



#35
Dibromofluoromethane
Concen: 15.154 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.3	123.5
192	14.8	17.4	26.2





#36

1,1-Dichloropropene

Concen: 5.027 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

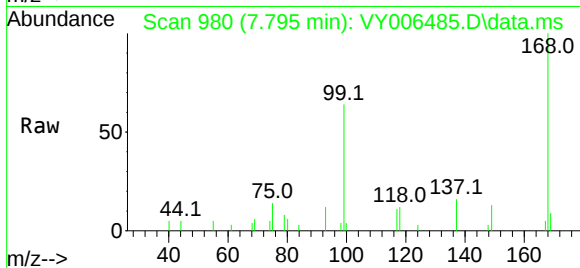
Lab File: VY006485.D

Acq: 26 Oct 2021 16:47

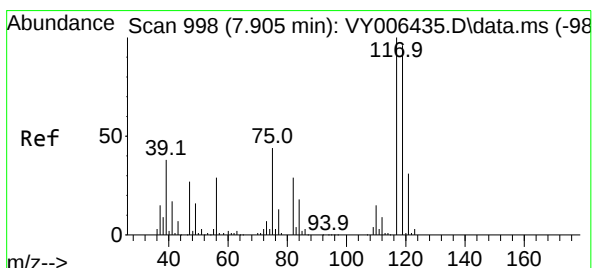
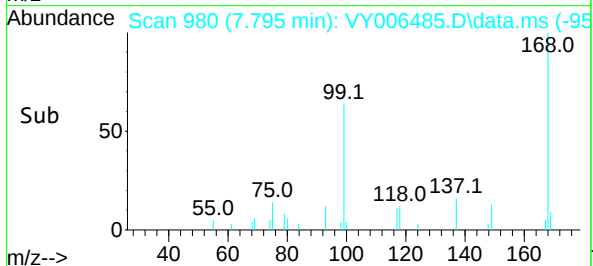
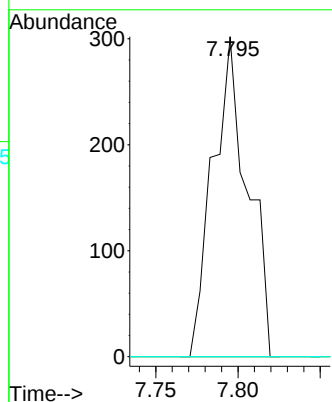
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 444
Ion Ratio	Lower Upper
75	100
110	0.0 17.1 51.3#
77	0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.598 ug/l

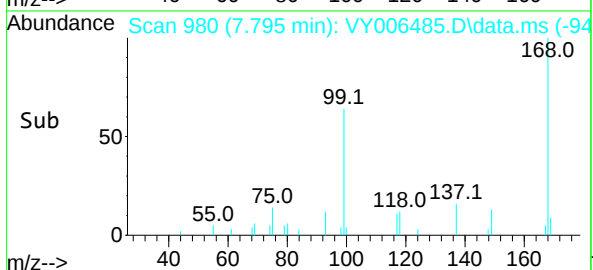
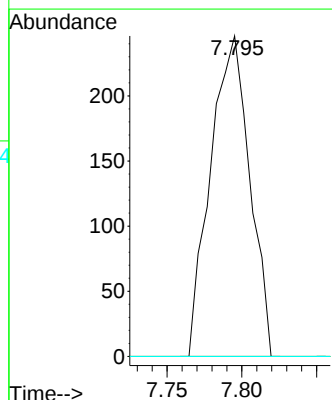
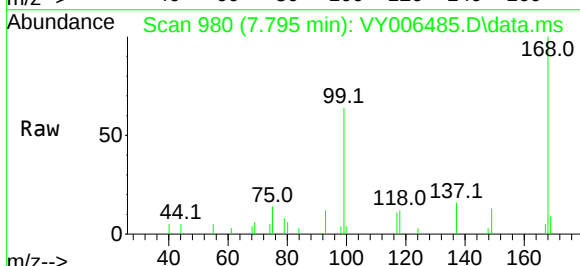
RT: 7.795 min Scan# 980

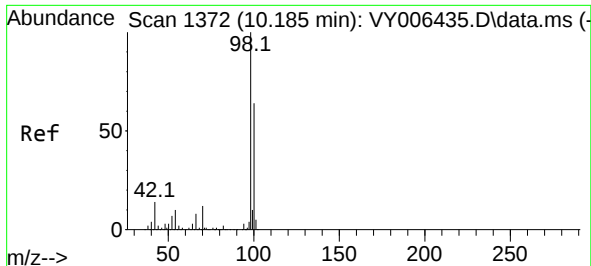
Delta R.T. -0.110 min

Lab File: VY006485.D

Acq: 26 Oct 2021 16:47

Tgt Ion: 117	Resp: 448
Ion Ratio	Lower Upper
117	100
119	0.0 76.6 115.0#
121	0.0 24.7 37.1#

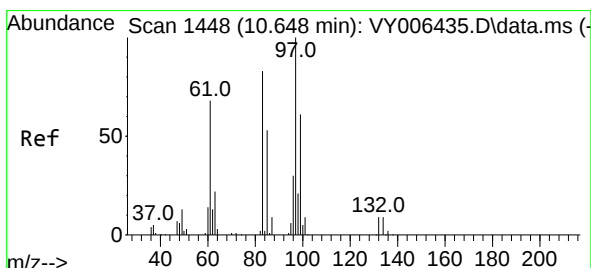
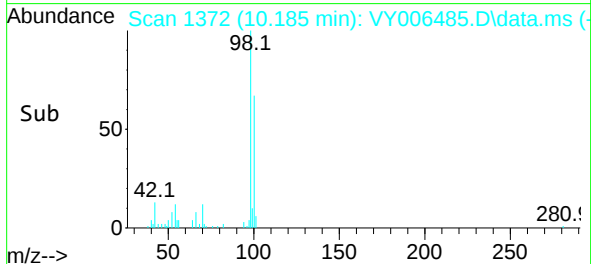
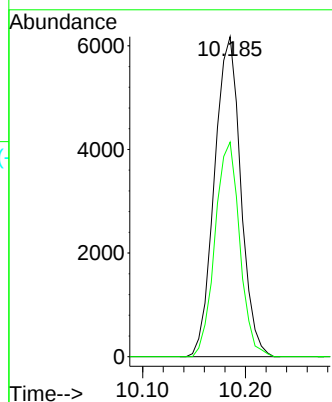
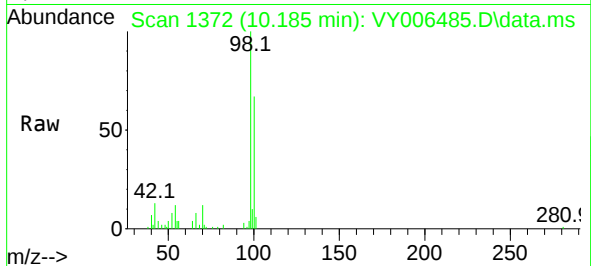




#50
Toluene-d8
Concen: 51.840 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

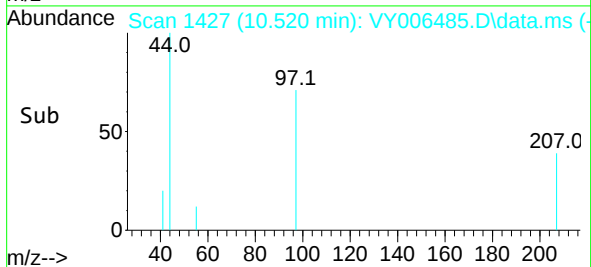
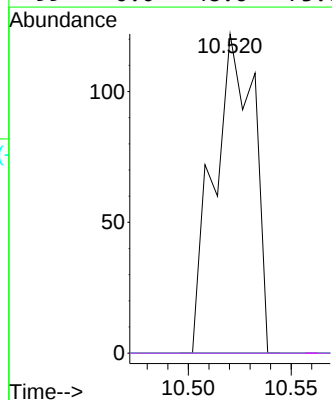
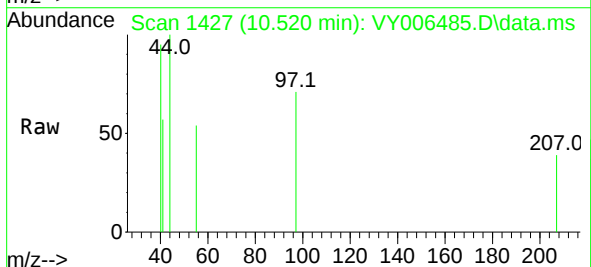
Instrument :
MSVOA_Y
ClientSampleId :

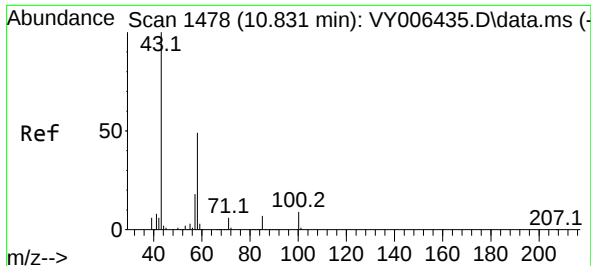
Tgt Ion: 98 Resp: 10949
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3



#55
1,1,2-Trichloroethane
Concen: 3.505 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. -0.128 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

Tgt Ion: 97 Resp: 166
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.2#
85 0.0 42.2 63.4#
99 0.0 48.6 73.0#

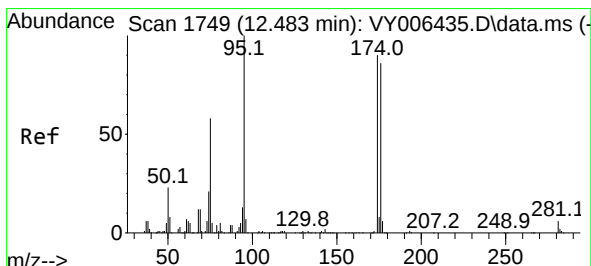
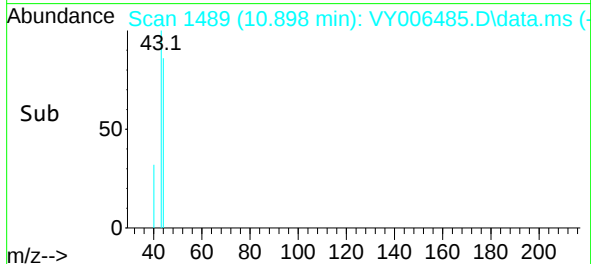
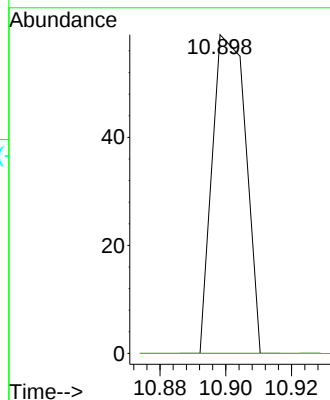
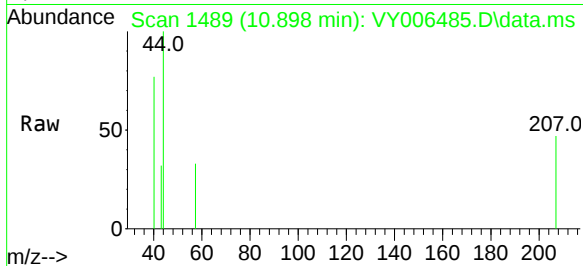




#59
2-Hexanone
Concen: 1.021 ug/l
RT: 10.898 min Scan# 1478
Delta R.T. 0.067 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

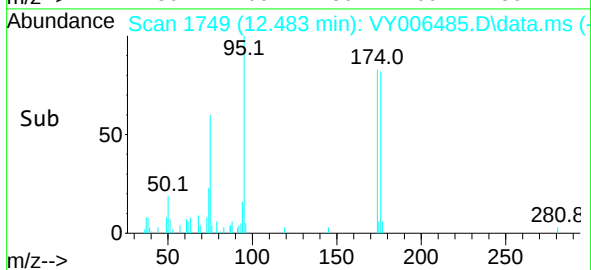
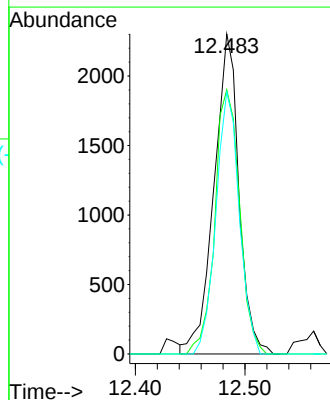
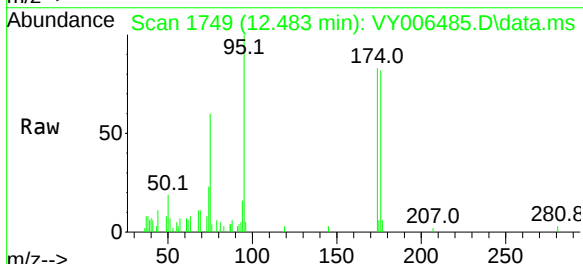
Instrument :
MSVOA_Y
ClientSampleId :

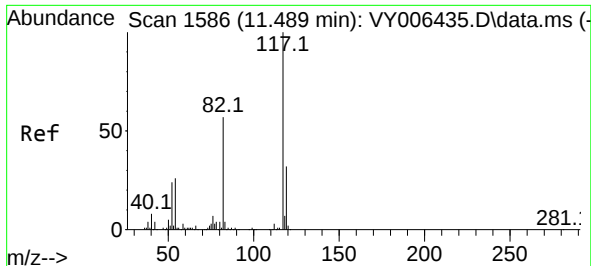
Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.6#



#62
4-Bromofluorobenzene
Concen: 51.021 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

Tgt Ion: 95 Resp: 3630
Ion Ratio Lower Upper
95 100
174 82.2 0.0 177.0
176 76.7 0.0 169.4

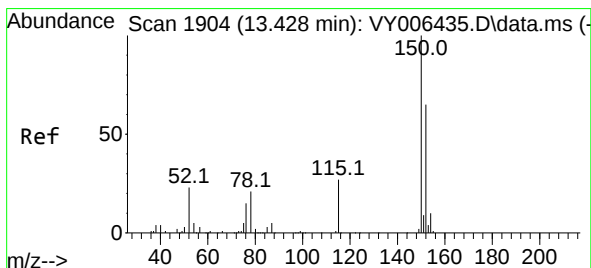
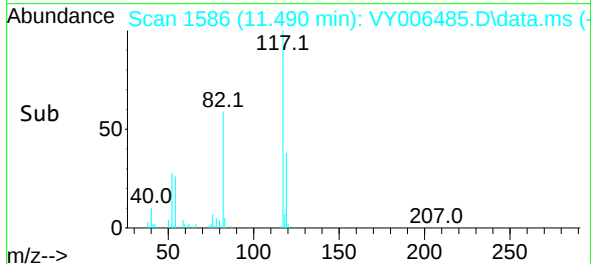
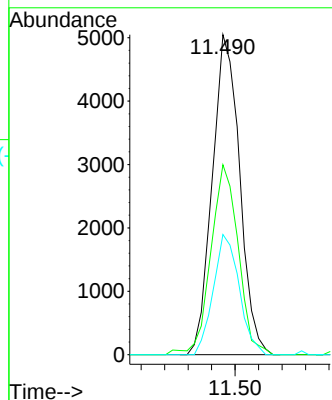
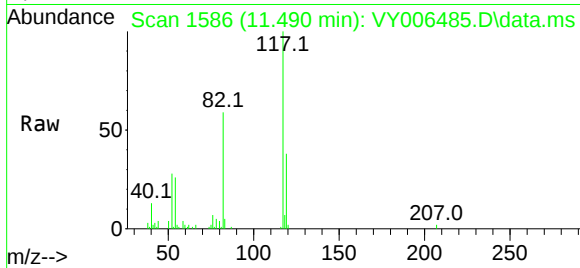




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

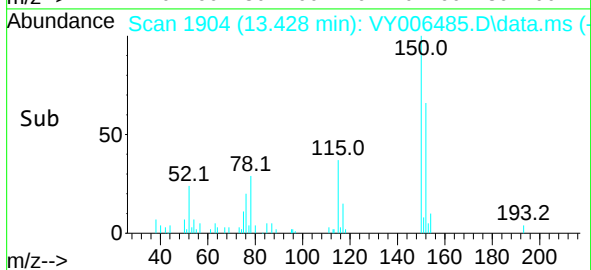
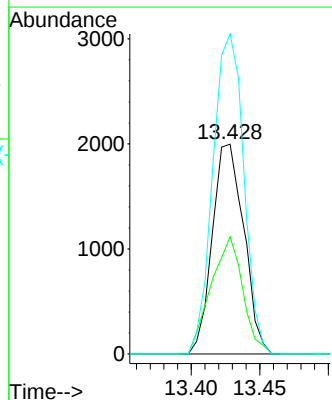
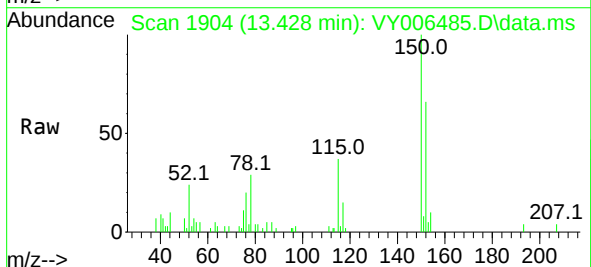
Instrument :
MSVOA_Y
ClientSampleId :

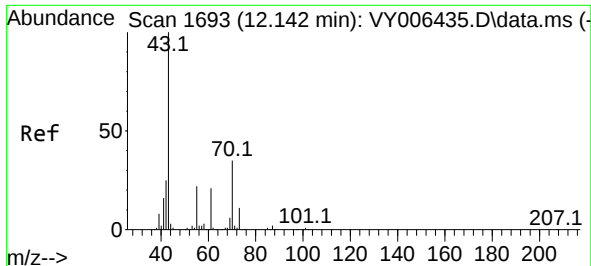
Tgt Ion:117 Resp: 8169
Ion Ratio Lower Upper
117 100
82 59.4 45.7 68.5
119 37.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

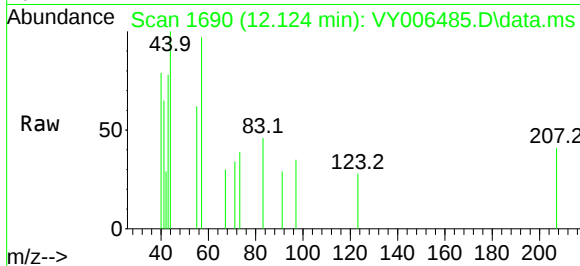
Tgt Ion:152 Resp: 3198
Ion Ratio Lower Upper
152 100
115 56.1 28.5 85.5
150 149.4 0.0 348.2



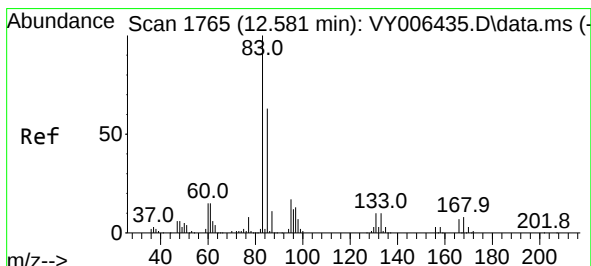
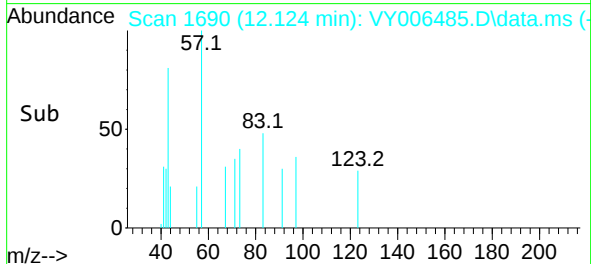
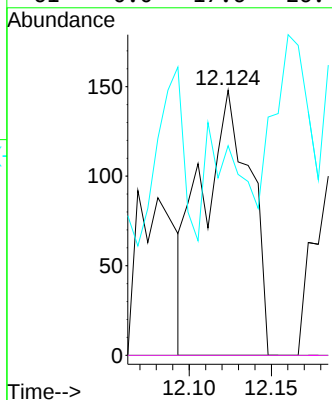


#74
N-amy1 acetate
Concen: 4.110 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

Instrument :
MSVOA_Y
ClientSampleId :

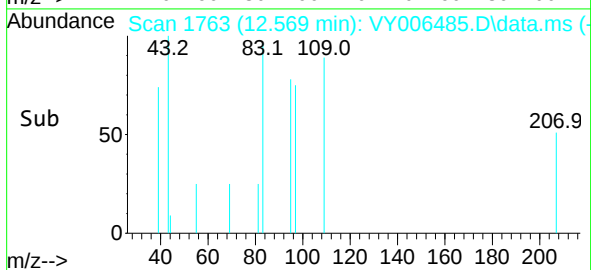
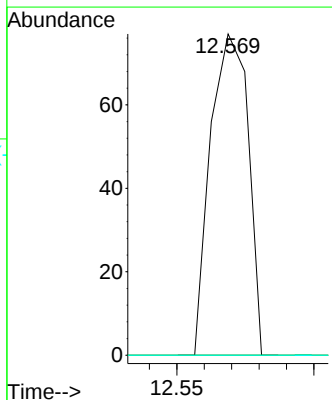
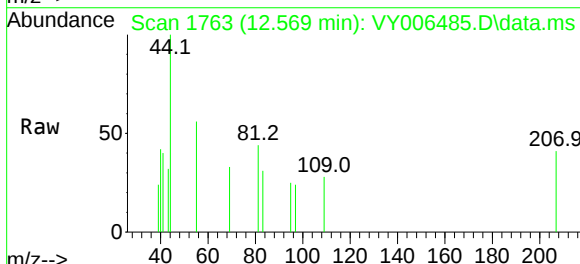


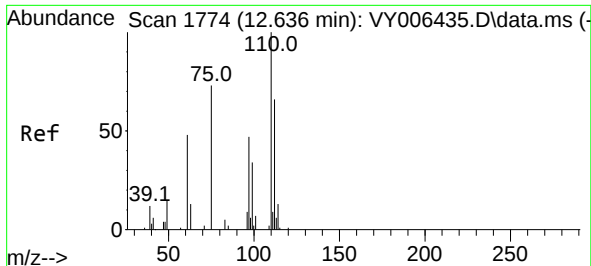
Tgt Ion: 43	Resp:	305
Ion	Ratio	Lower Upper
43	100	
70	0.0	29.4 44.0#
55	32.8	18.1 27.1#
61	0.0	17.6 26.4#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.885 ug/l
RT: 12.569 min Scan# 1763
Delta R.T. -0.012 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

Tgt Ion: 83	Resp:	73
Ion	Ratio	Lower Upper
83	100	
131	0.0	5.5 16.4#
85	0.0	31.9 95.9#

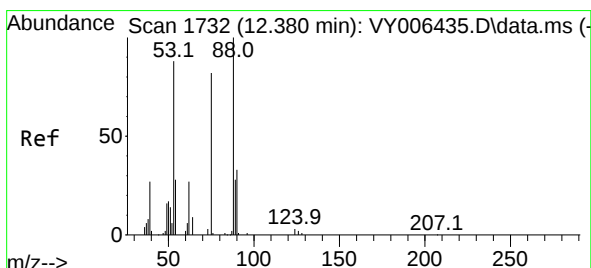
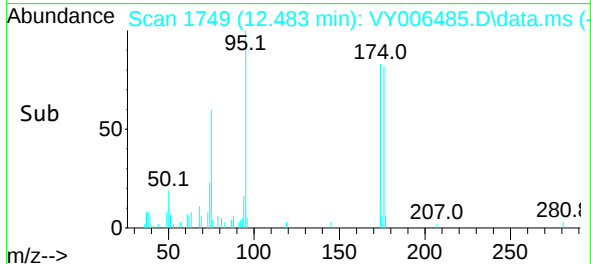
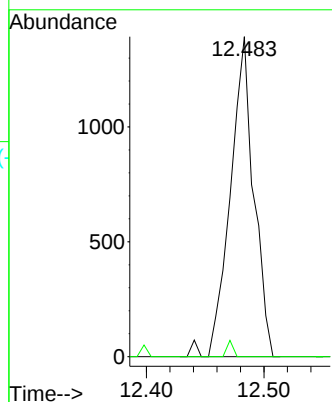
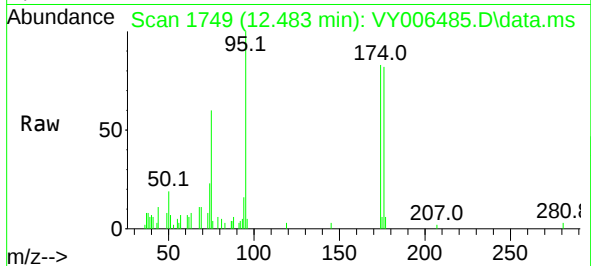




#76
1,2,3-Trichloropropane
Concen: 58.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

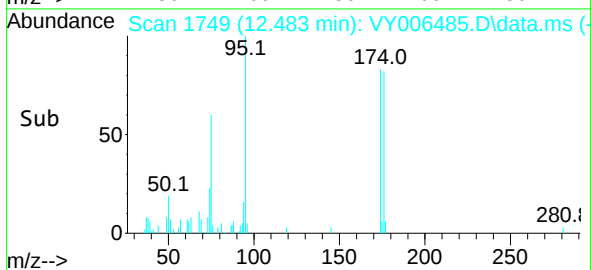
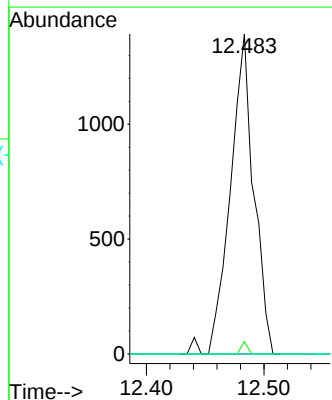
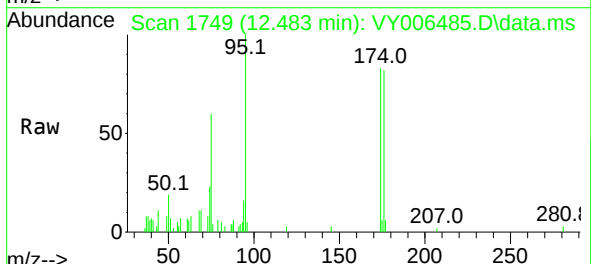
Instrument :
MSVOA_Y
ClientSampleId :

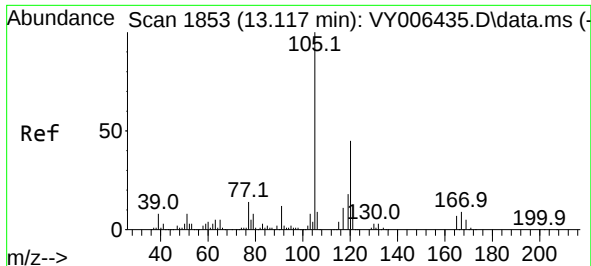
Tgt Ion: 75 Resp: 1936
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.607 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

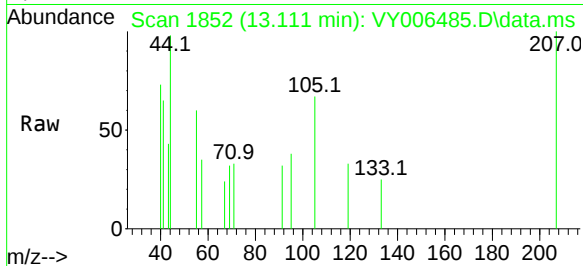
Tgt Ion: 75 Resp: 1936
Ion Ratio Lower Upper
75 100
53 1.0 85.8 128.6#
89 0.0 39.3 58.9#



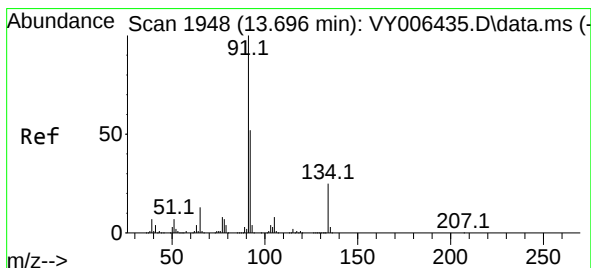
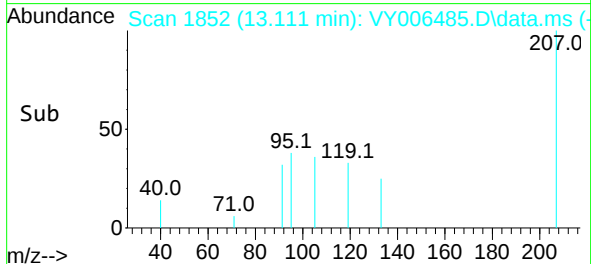
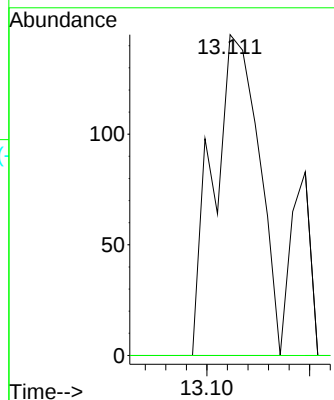


#84
1,2,4-Trimethylbenzene
Concen: 1.196 ug/l
RT: 13.111 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

Instrument :
MSVOA_Y
ClientSampleId :

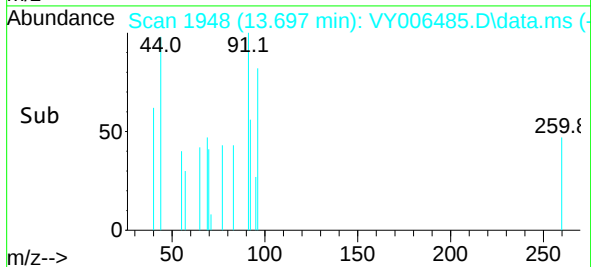
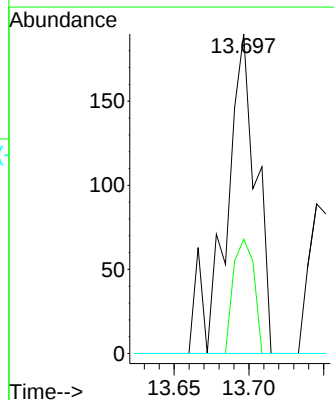
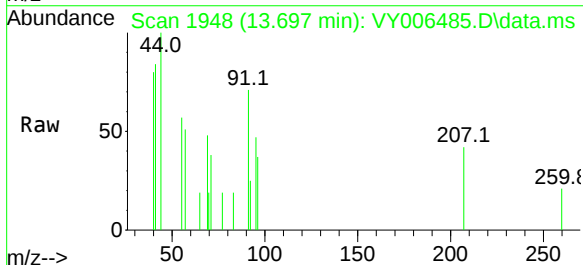


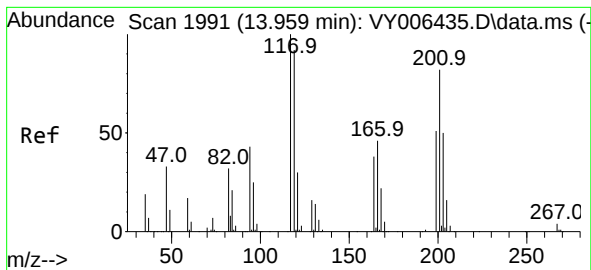
Tgt Ion:105 Resp: 224
Ion Ratio Lower Upper
105 100
120 0.0 22.6 67.8#



#89
n-Butylbenzene
Concen: 1.382 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY006485.D
Acq: 26 Oct 2021 16:47

Tgt Ion: 91 Resp: 268
Ion Ratio Lower Upper
91 100
92 24.3 26.3 78.9#
134 0.0 12.9 38.7#





#90

Hexachloroethane

Concen: 1.504 ug/l

RT: 14.032 min Scan# 20

Delta R.T. 0.073 min

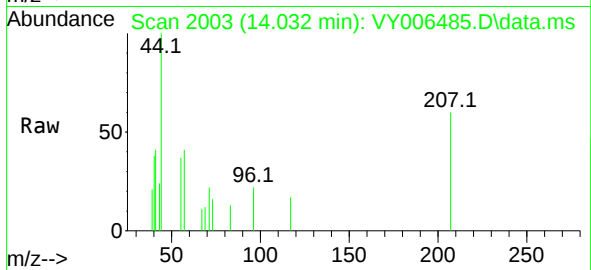
Lab File: VY006485.D

Acq: 26 Oct 2021 16:47

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117 Resp: 56

Ion Ratio Lower Upper

117 100

201 0.0 43.4 130.1#

