

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010622\
 Data File : VY007043.D
 Acq On : 06 Jan 2022 19:26
 Operator : SY/MD
 Sample : N1051-02
 Misc : 7.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 07 11:49:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:51:57 2022
 Response via : Initial Calibration

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

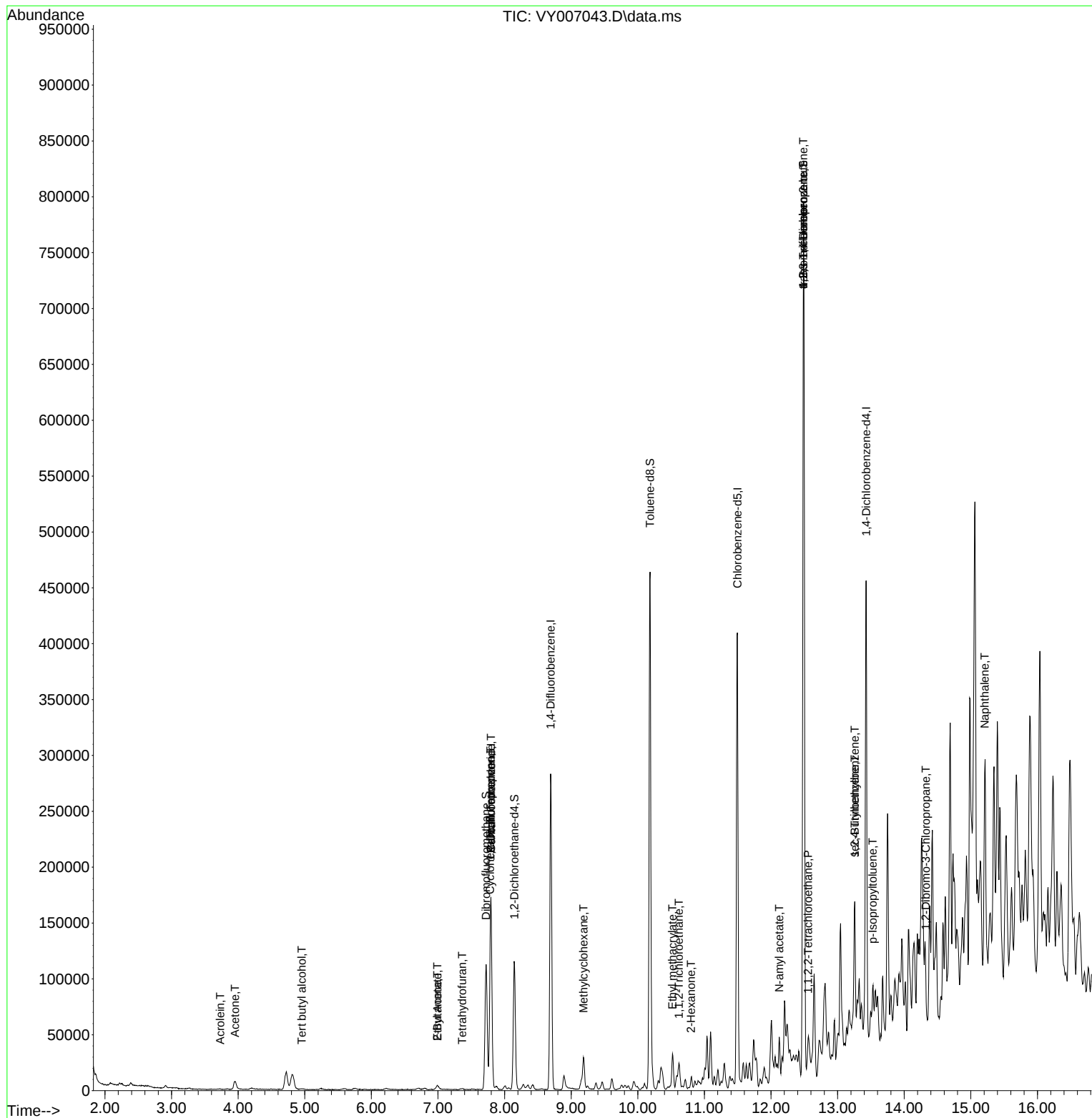
Internal Standards						
1) Pentafluorobenzene	7.795	168	128215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	241242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	228924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	90998	60.125	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.260%			
35) Dibromofluoromethane	7.722	113	81418	51.342	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.680%			
50) Toluene-d8	10.185	98	298549	50.671	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.340%			
62) 4-Bromofluorobenzene	12.483	95	113209	51.019	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.040%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	1422	10.419	ug/l #	71
13) Acrolein	3.729	56	149	3.529	ug/l #	1
16) Acetone	3.954	43	14227	42.668	ug/l	100
20) Methylene Chloride	4.722	84	11833	Below Cal		96
25) 2-Butanone	6.990	43	4134	8.611	ug/l #	83
29) Tetrahydrofuran	7.362	42	673	1.887	ug/l #	50
31) Cyclohexane	7.783	56	3907	1.380	ug/l #	44
36) 1,1-Dichloropropene	7.789	75	10599	4.010	ug/l #	50
37) Ethyl Acetate	6.990	43	4134	3.049	ug/l #	66
38) Carbon Tetrachloride	7.795	117	13508	4.887	ug/l #	16
39) Methylcyclohexane	9.185	83	12832	3.705	ug/l	99
55) 1,1,2-Trichloroethane	10.618	97	8850	6.062	ug/l #	19
56) Ethyl methacrylate	10.520	69	4338	2.071	ug/l #	46
59) 2-Hexanone	10.801	43	4665	5.561	ug/l #	24
74) N-amyl acetate	12.124	43	7725	3.201	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.556	83	2071	1.176	ug/l #	77
76) 1,2,3-Trichloropropane	12.483	75	61661	47.132	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61661	86.083	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.258	105	71973	9.592	ug/l #	32
85) sec-Butylbenzene	13.258	105	71973	7.345	ug/l	98
86) p-Isopropyltoluene	13.526	119	23908	2.968	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.324	75	383	1.161	ug/l #	15
95) Naphthalene	15.208	128	7351	1.572	ug/l #	1

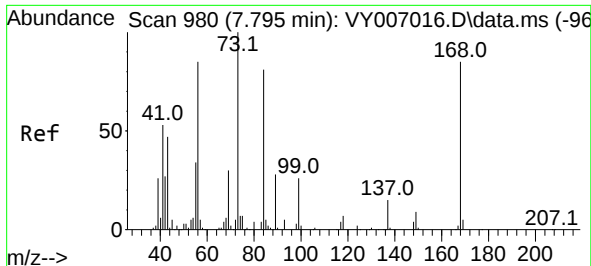
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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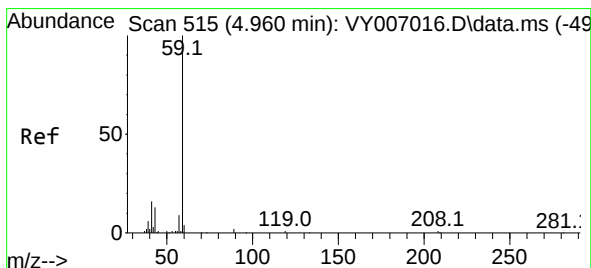
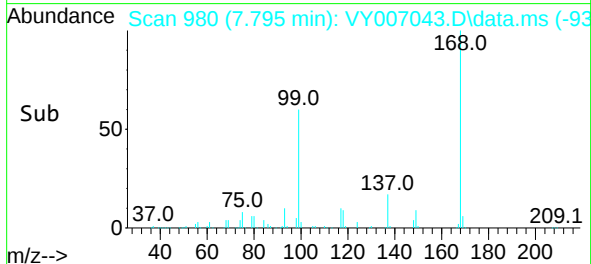
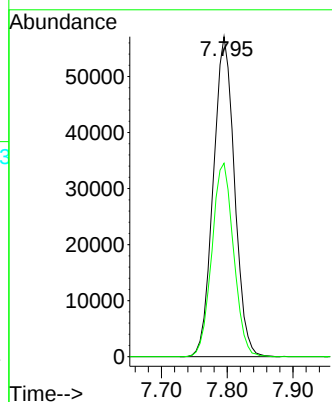
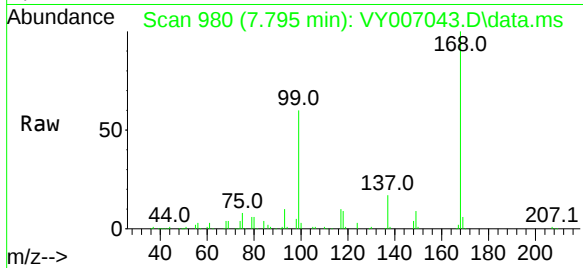




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

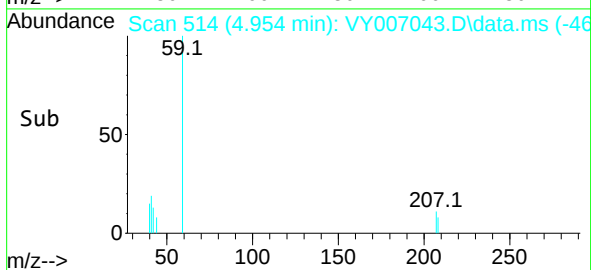
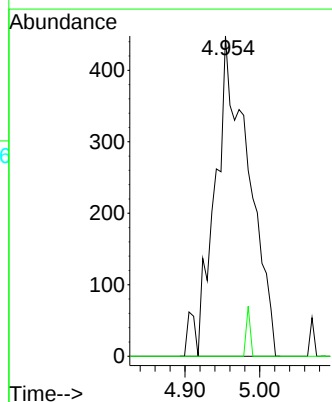
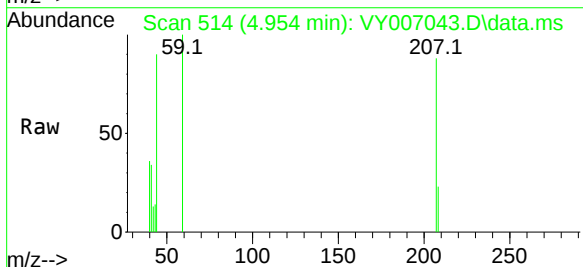
Instrument :
MSVOA_Y
ClientSampleId :

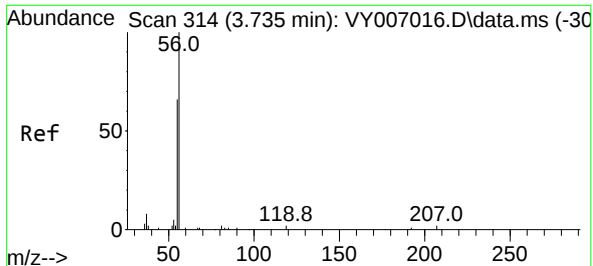
Tgt Ion:168 Resp: 128215
Ion Ratio Lower Upper
168 100
99 60.4 48.9 73.3



#11
Tert butyl alcohol
Concen: 10.419 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

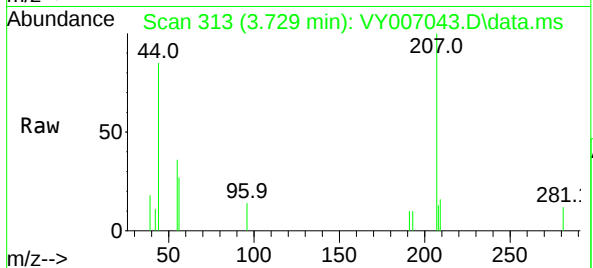
Tgt Ion: 59 Resp: 1422
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



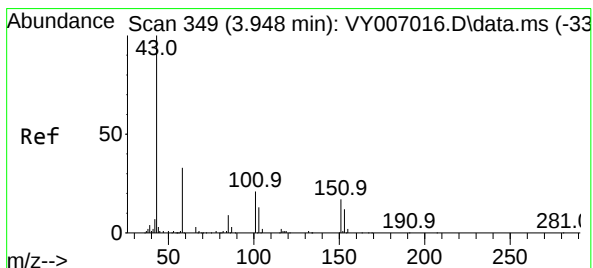
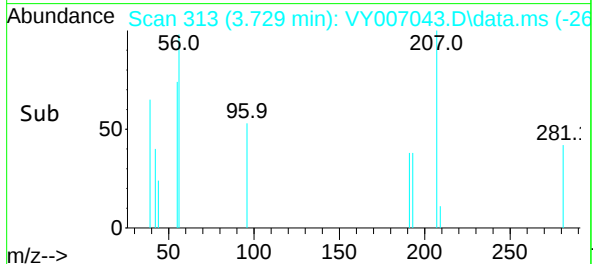
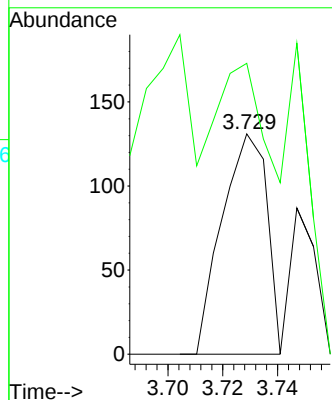


#13
Acrolein
Concen: 3.529 ug/l
RT: 3.729 min Scan# 314
Delta R.T. -0.006 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

Instrument :
MSVOA_Y
ClientSampleId :

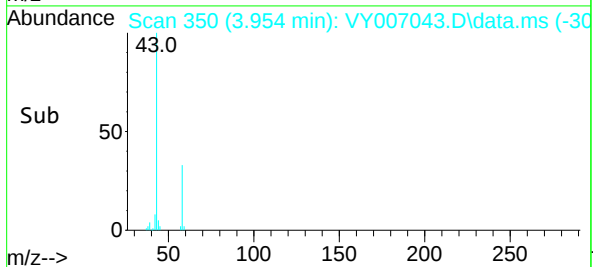
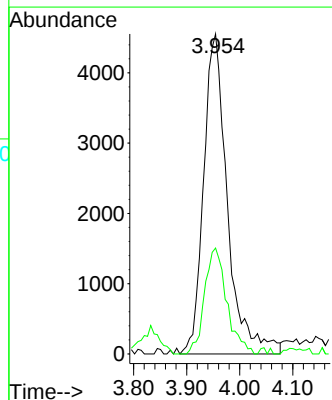
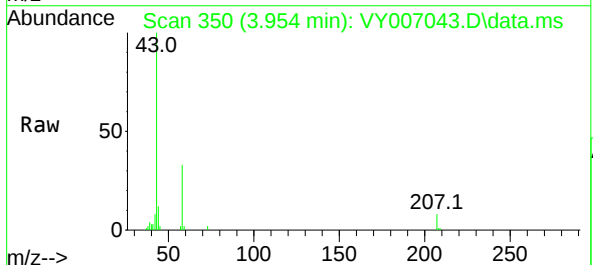


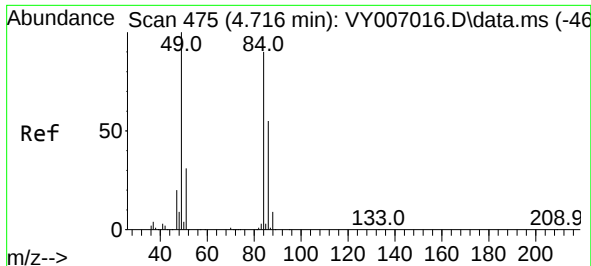
Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 205.4 54.6 82.0#



#16
Acetone
Concen: 42.668 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

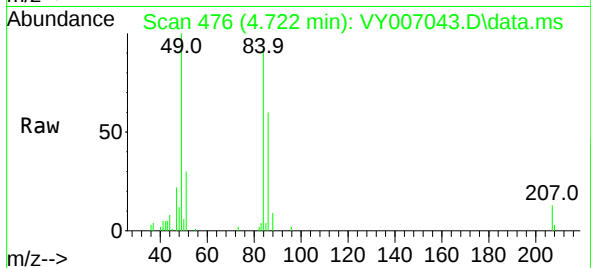
Tgt Ion: 43 Resp: 14227
Ion Ratio Lower Upper
43 100
58 33.1 26.3 39.5





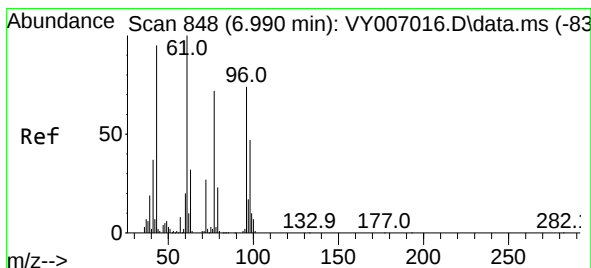
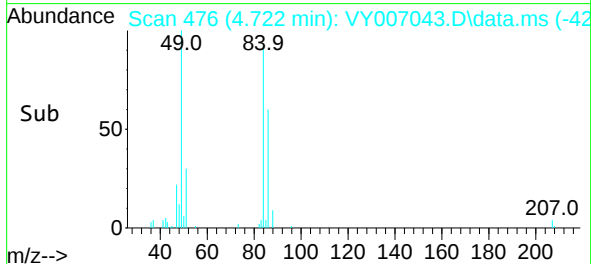
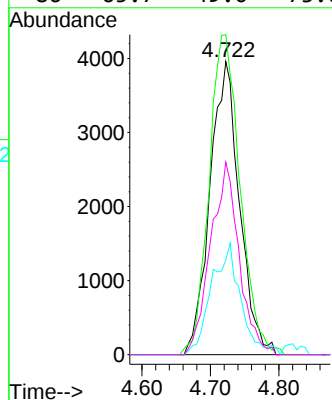
#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 11833

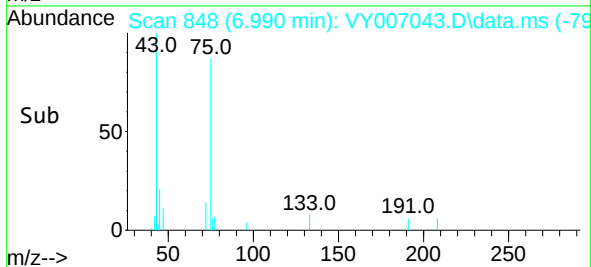
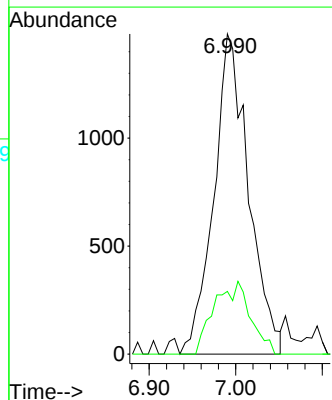
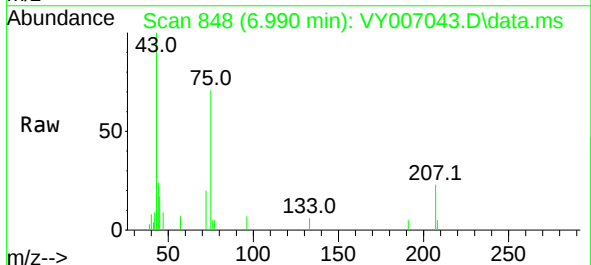
Ion	Ratio	Lower	Upper
84	100		
49	109.2	89.4	134.0
51	32.3	27.7	41.5
86	65.7	49.0	73.6

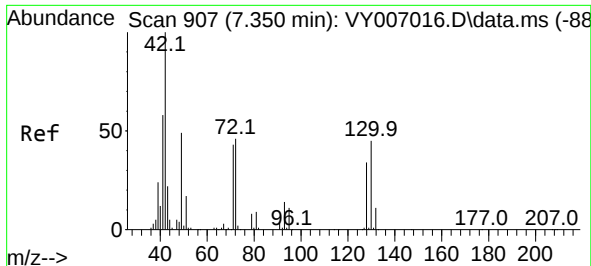


#25
2-Butanone
Concen: 8.611 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

Tgt Ion: 43 Resp: 4134

Ion	Ratio	Lower	Upper
43	100		
72	19.6	22.6	34.0#





#29

Tetrahydrofuran

Concen: 1.887 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.012 min

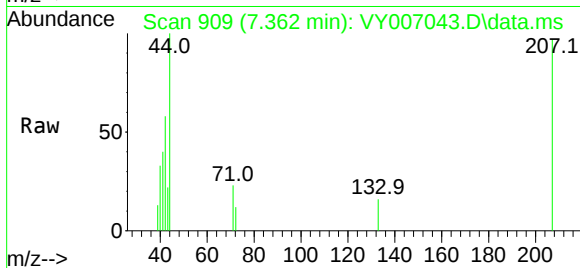
Lab File: VY007043.D

Acq: 06 Jan 2022 19:26

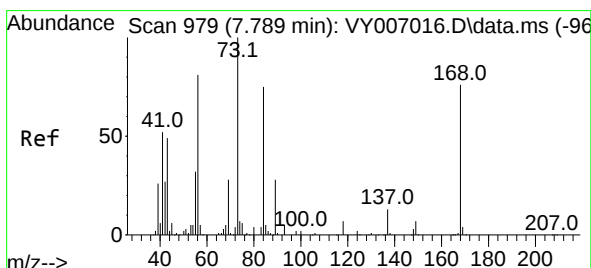
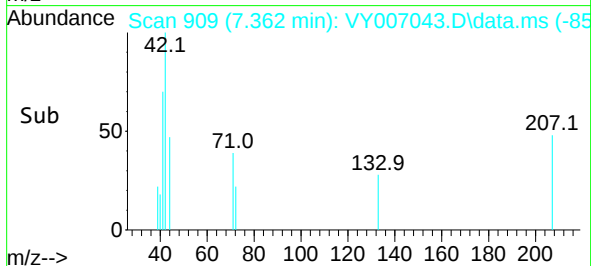
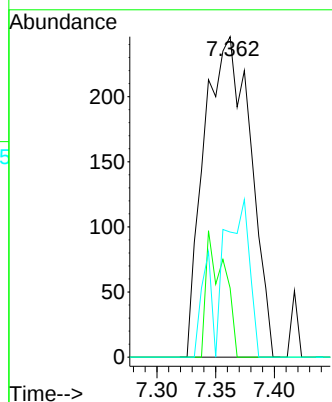
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 42	Resp: 673
Ion Ratio	Lower Upper
42 100	
72 0.0	37.1 55.7#
71 25.4	34.6 52.0#



#31

Cyclohexane

Concen: 1.380 ug/l

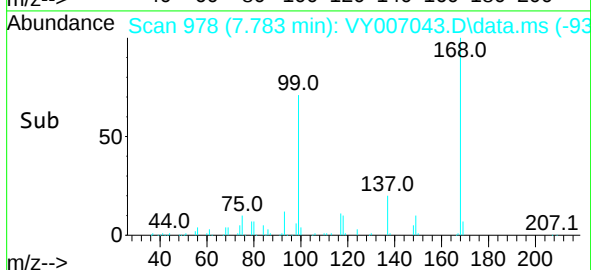
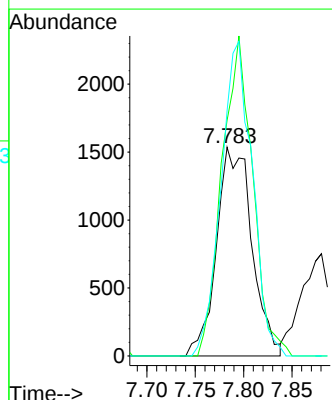
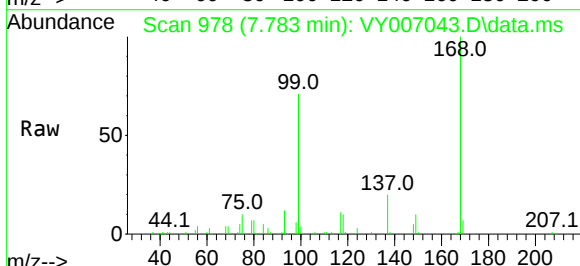
RT: 7.783 min Scan# 978

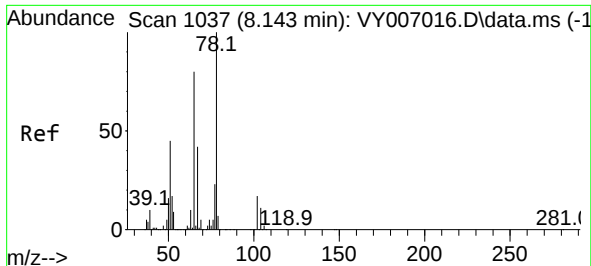
Delta R.T. -0.006 min

Lab File: VY007043.D

Acq: 06 Jan 2022 19:26

Tgt Ion: 56	Resp: 3907		
Ion Ratio	Lower	Upper	
56	100		
69	113.0	27.8	41.6#
84	117.5	74.1	111.1#





#33

1,2-Dichloroethane-d4

Concen: 60.125 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY007043.D

Acq: 06 Jan 2022 19:26

Instrument :

MSVOA_Y

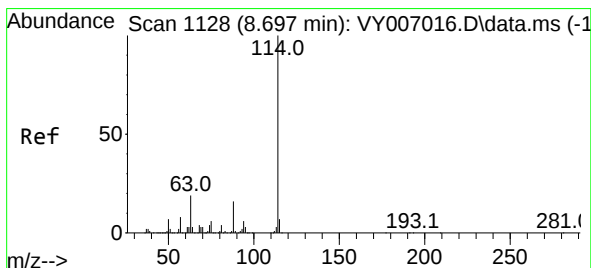
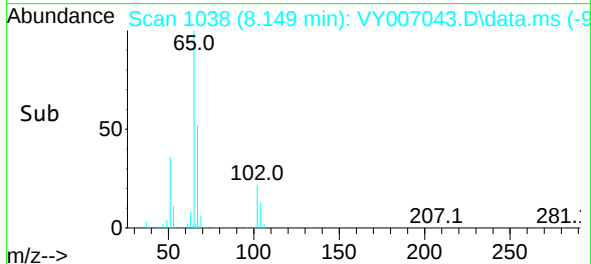
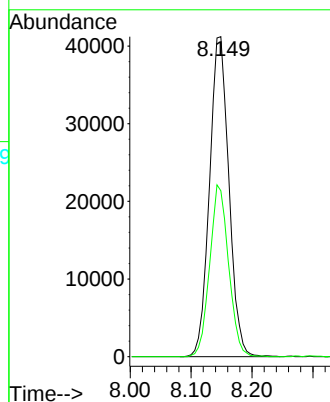
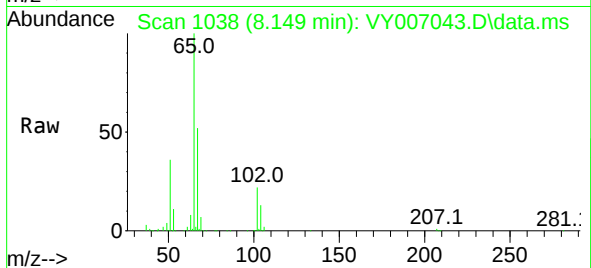
ClientSampleId :

Tgt Ion: 65 Resp: 90998

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY007043.D

Acq: 06 Jan 2022 19:26

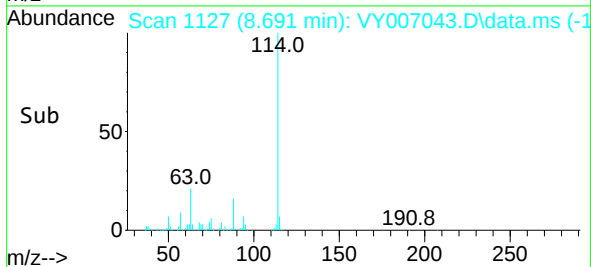
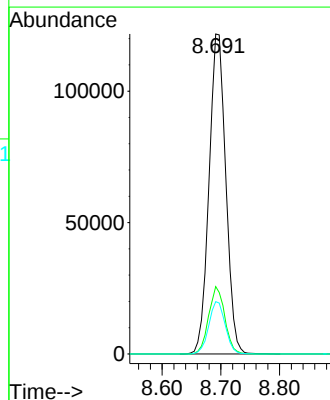
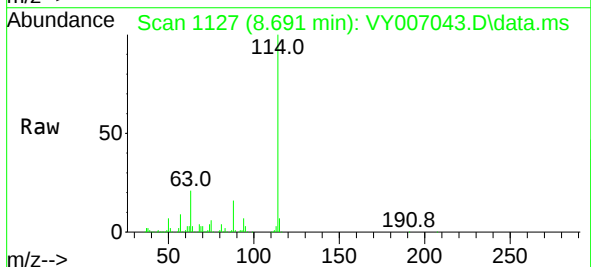
Tgt Ion: 114 Resp: 241242

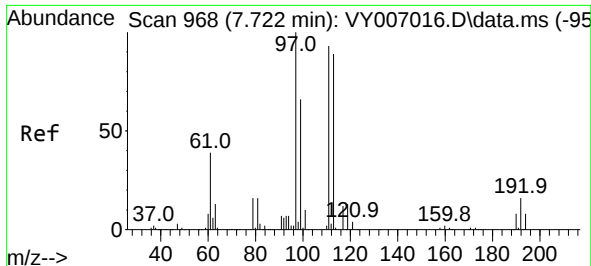
Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.6

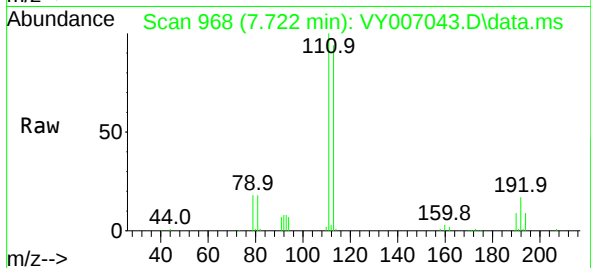
88 16.4 0.0 31.8



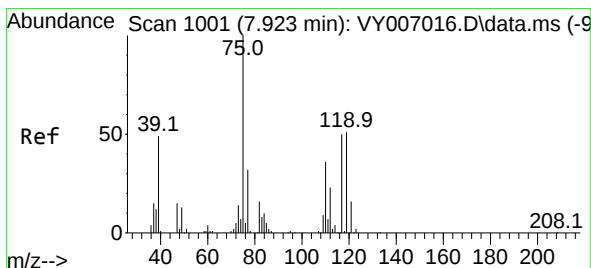
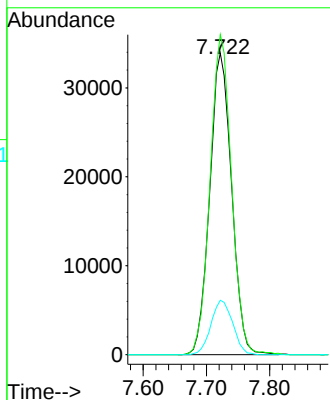
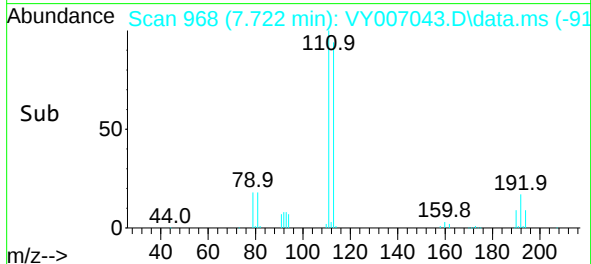


#35
Dibromofluoromethane
Concen: 51.342 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

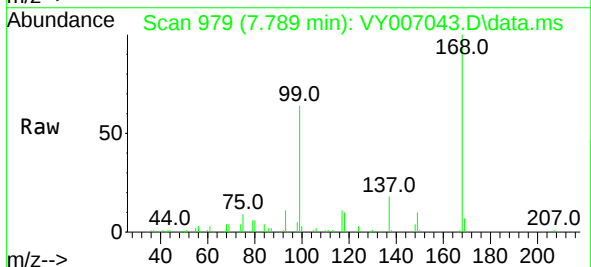
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ClientSampleId :



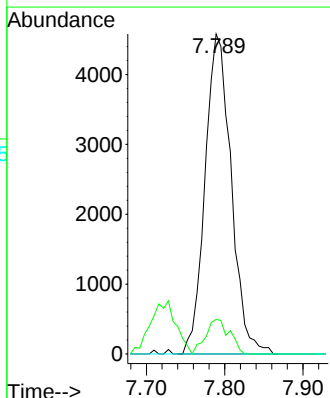
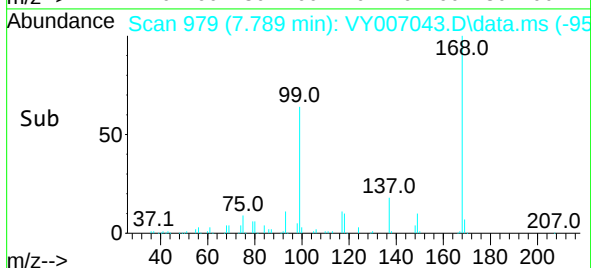
Tgt Ion:113 Resp: 81418
Ion Ratio Lower Upper
113 100
111 104.0 81.9 122.9
192 17.9 14.6 21.8

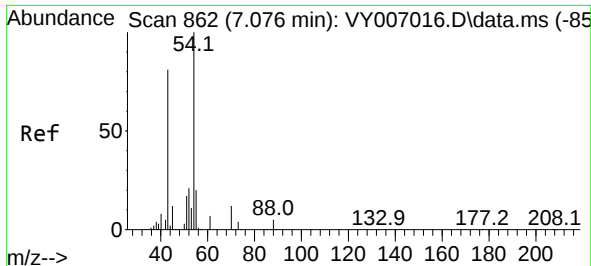


#36
1,1-Dichloropropene
Concen: 4.010 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26



Tgt Ion: 75 Resp: 10599
Ion Ratio Lower Upper
75 100
110 9.9 18.0 54.0#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 3.049 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.085 min

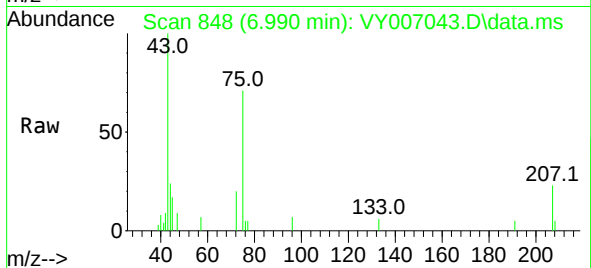
Lab File: VY007043.D

Acq: 06 Jan 2022 19:26

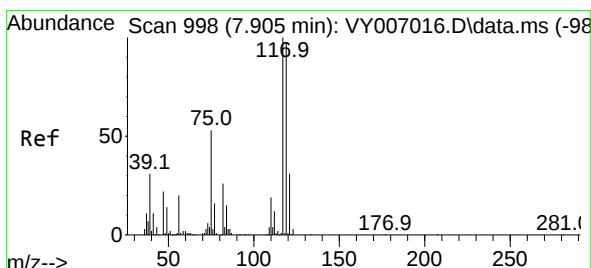
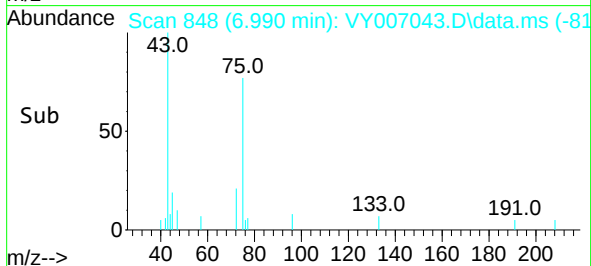
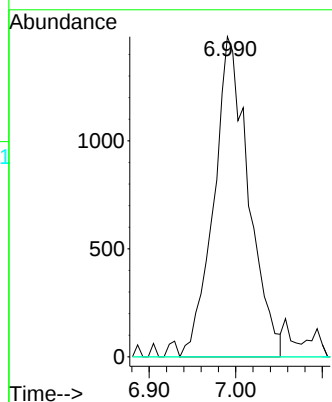
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	4134
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	0.0	9.4	14.2#



#38

Carbon Tetrachloride

Concen: 4.887 ug/l

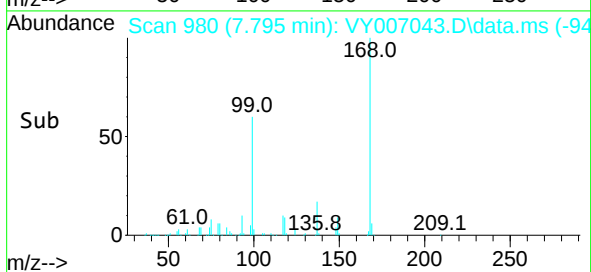
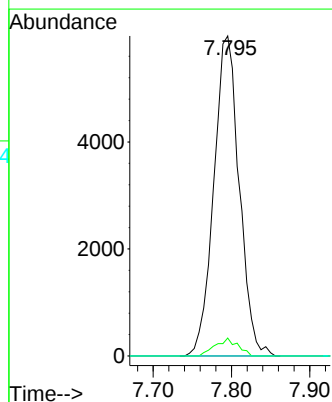
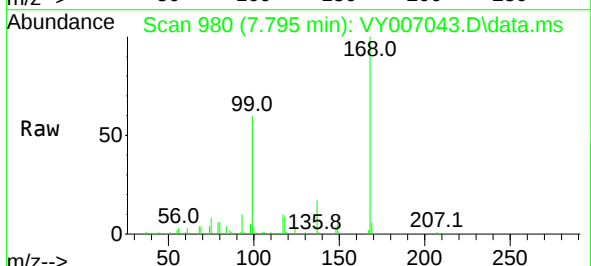
RT: 7.795 min Scan# 980

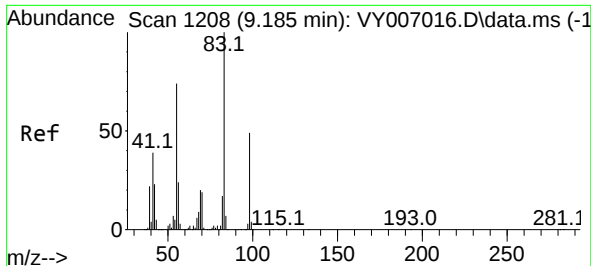
Delta R.T. -0.110 min

Lab File: VY007043.D

Acq: 06 Jan 2022 19:26

Tgt Ion:	117	Resp:	13508
Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.7	116.5#
121	0.0	24.4	36.6#





#39

Methylcyclohexane

Concen: 3.705 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

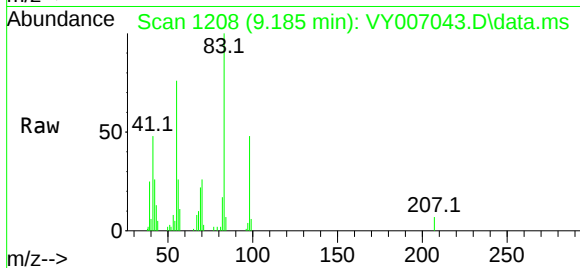
Lab File: VY007043.D

Acq: 06 Jan 2022 19:26

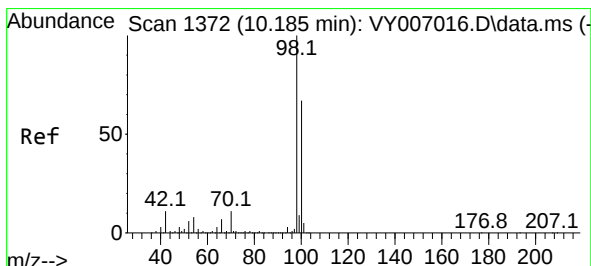
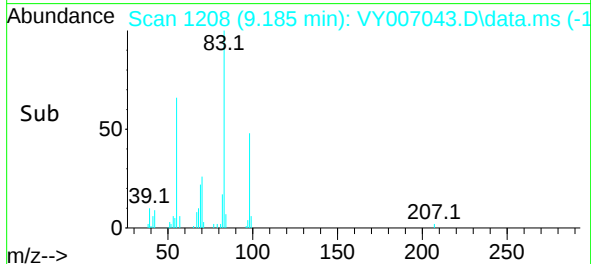
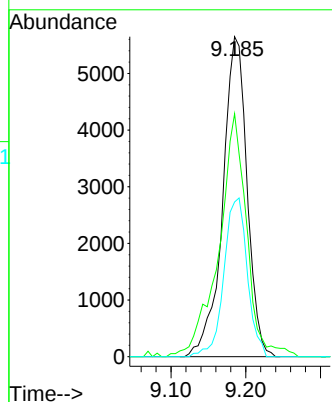
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 83	Resp: 12832
Ion Ratio	Lower Upper
83 100	
55 74.1	59.0 88.6
98 48.4	39.1 58.7



#50

Toluene-d8

Concen: 50.671 ug/l

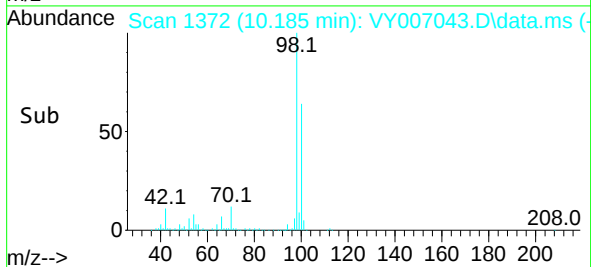
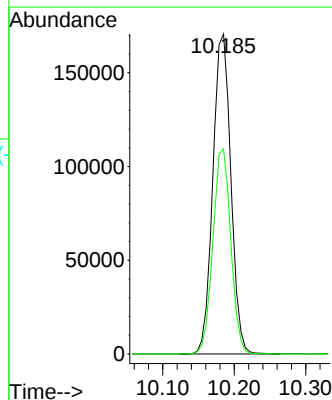
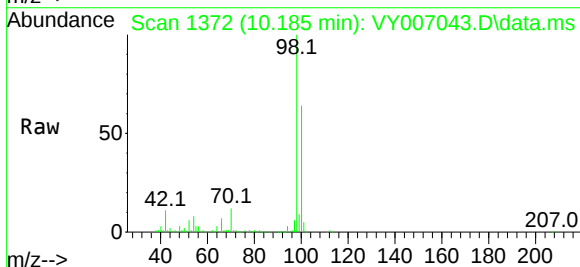
RT: 10.185 min Scan# 1372

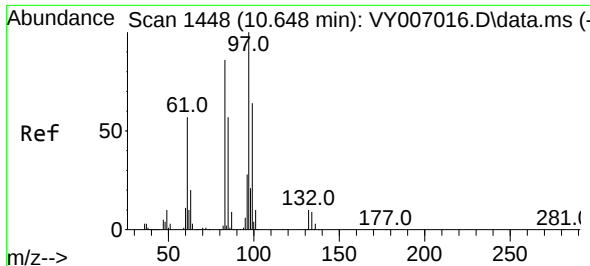
Delta R.T. 0.000 min

Lab File: VY007043.D

Acq: 06 Jan 2022 19:26

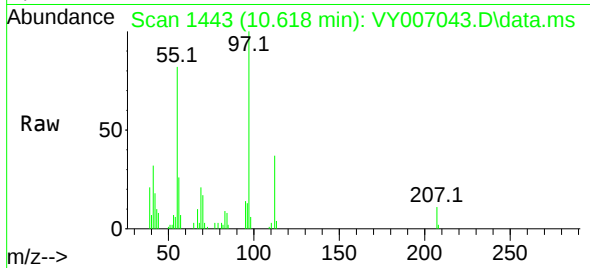
Tgt Ion: 98	Resp: 298549
Ion Ratio	Lower Upper
98 100	
100 63.8	52.8 79.2



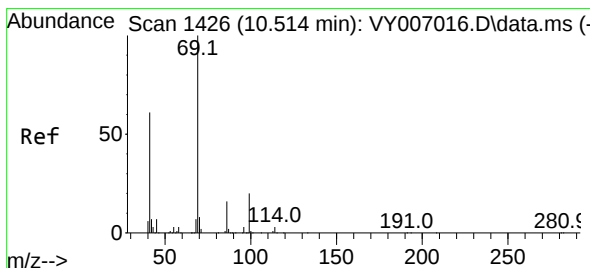
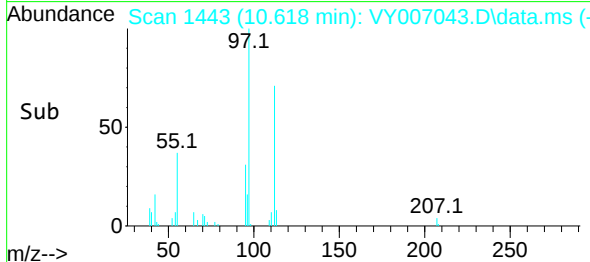
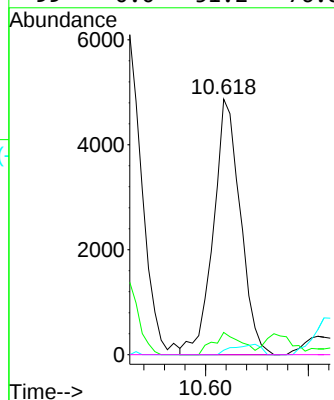


#55
1,1,2-Trichloroethane
Concen: 6.062 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

Instrument :
MSVOA_Y
ClientSampleId :

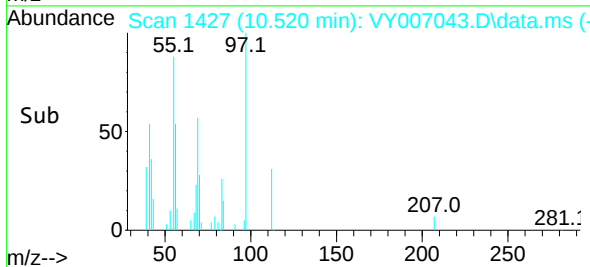
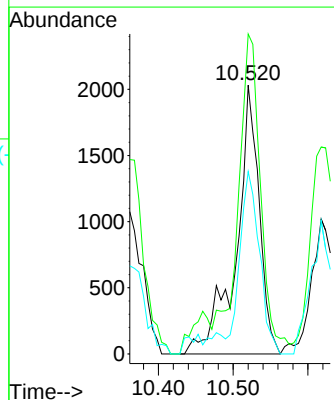
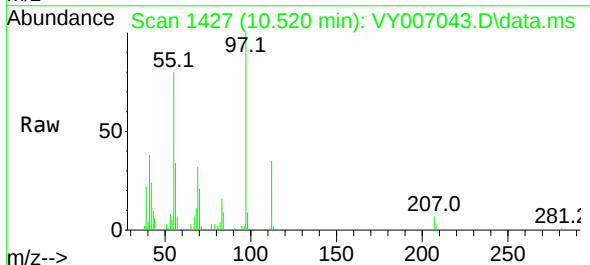


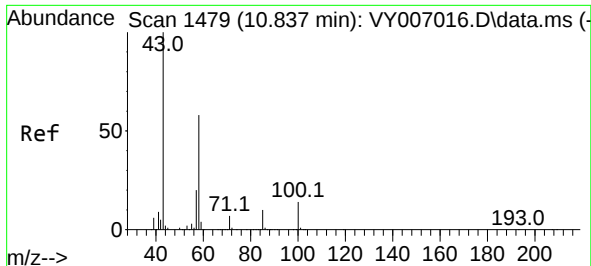
Tgt Ion: 97	Resp: 8850
Ion Ratio	Lower Upper
97	100
83	8.7 69.0 103.6#
85	1.8 45.3 67.9#
99	0.0 51.2 76.8#



#56
Ethyl methacrylate
Concen: 2.071 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

Tgt Ion: 69	Resp: 4338
Ion Ratio	Lower Upper
69	100
41	106.9 49.2 73.8#
39	58.0 26.6 40.0#

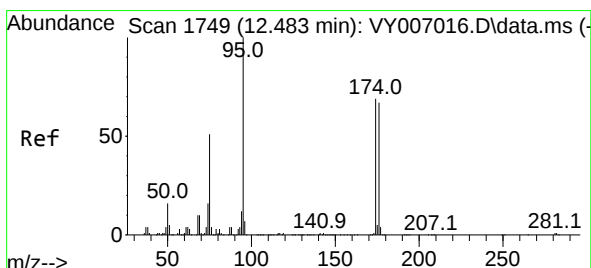
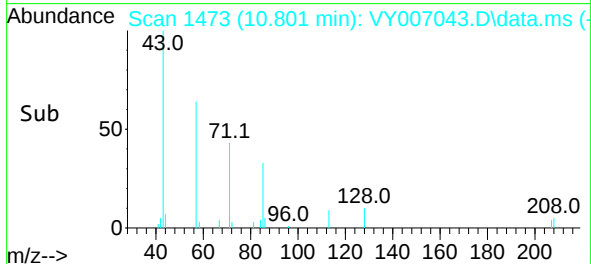
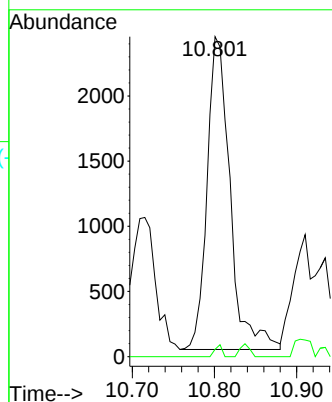
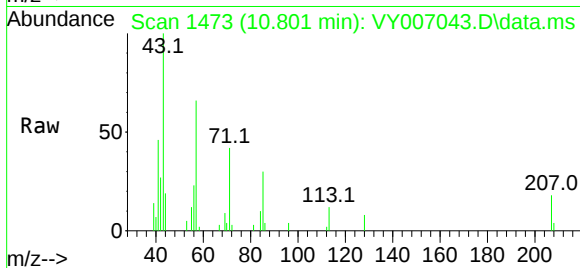




#59
2-Hexanone
Concen: 5.561 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

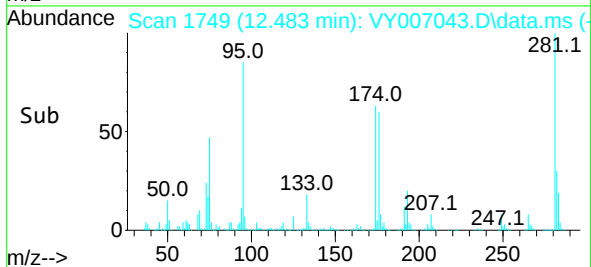
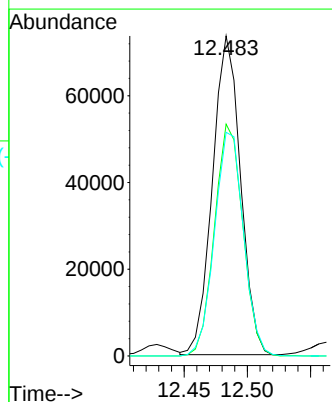
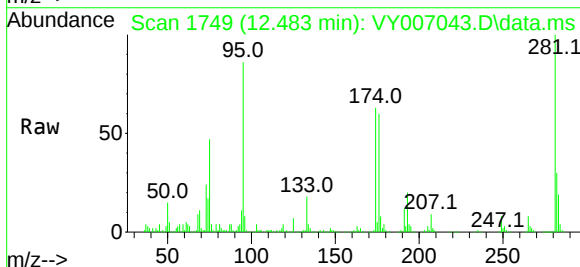
Instrument :
MSVOA_Y
ClientSampleId :

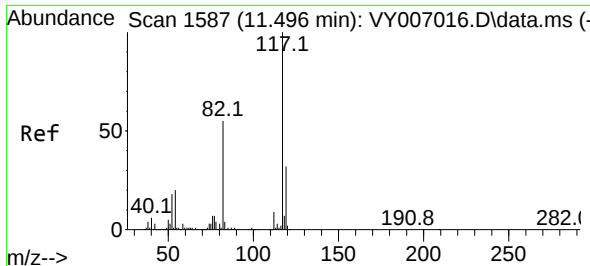
Tgt Ion: 43 Resp: 4665
Ion Ratio Lower Upper
43 100
58 1.2 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 51.019 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

Tgt Ion: 95 Resp: 113209
Ion Ratio Lower Upper
95 100
174 73.5 0.0 144.6
176 72.7 0.0 141.0

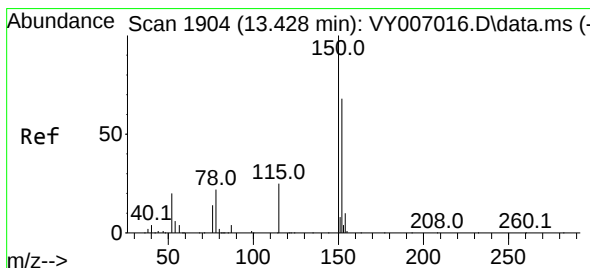
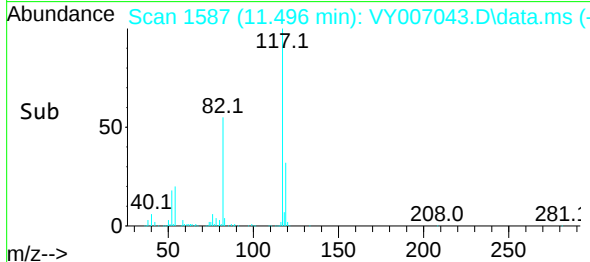
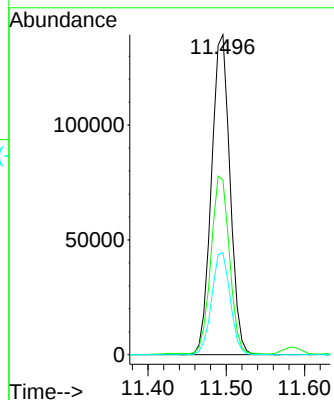
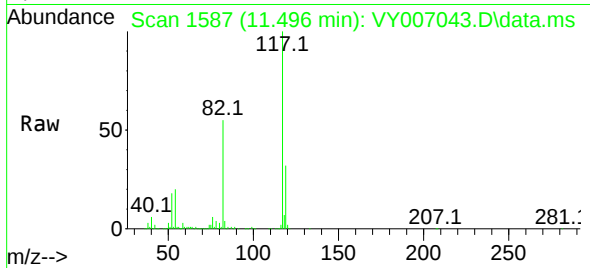




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

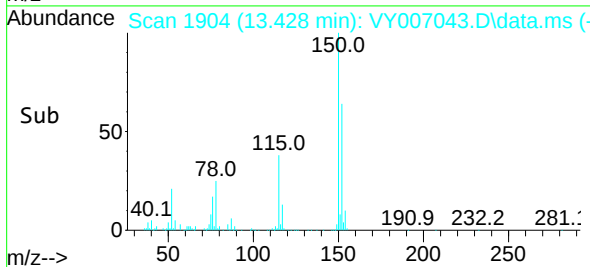
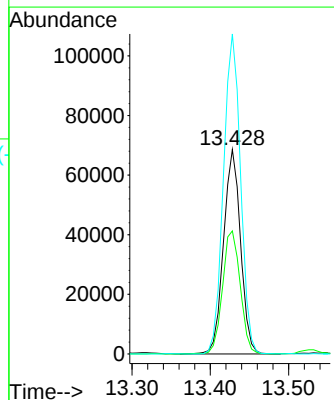
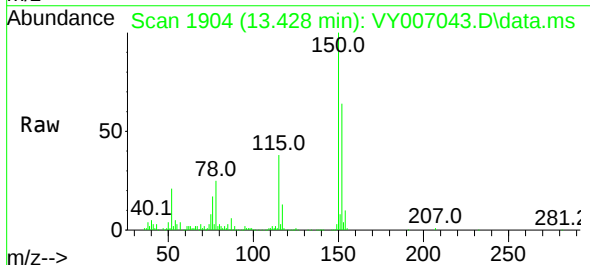
Instrument :
MSVOA_Y
ClientSampleId :

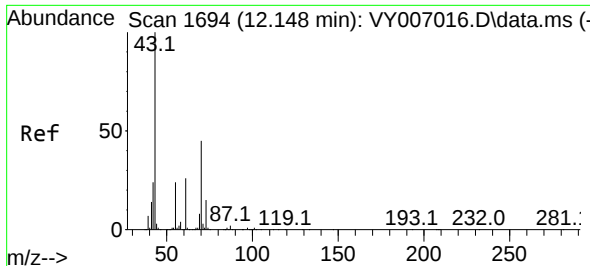
Tgt Ion:117 Resp: 228924
Ion Ratio Lower Upper
117 100
82 54.1 44.1 66.1
119 31.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

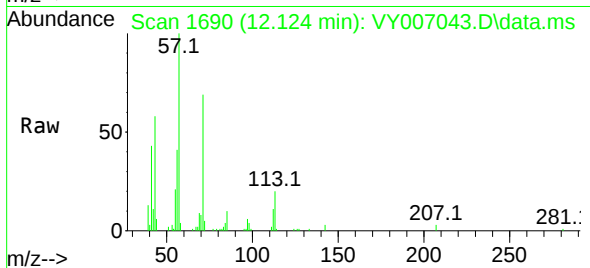
Tgt Ion:152 Resp: 103864
Ion Ratio Lower Upper
152 100
115 62.5 31.9 95.5
150 156.9 0.0 358.0



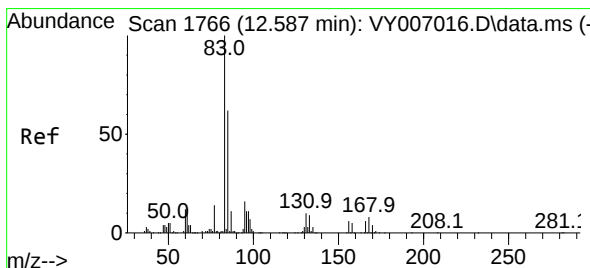
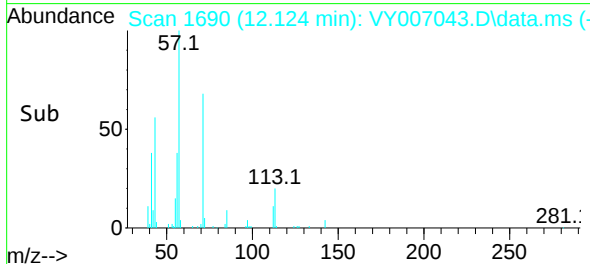
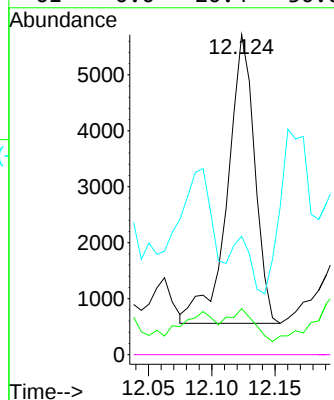


#74
N-amy1 acetate
Concen: 3.201 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

Instrument :
MSVOA_Y
ClientSampleId :

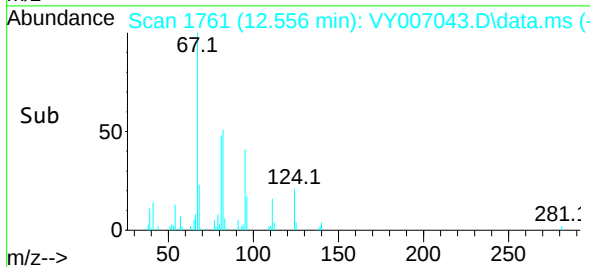
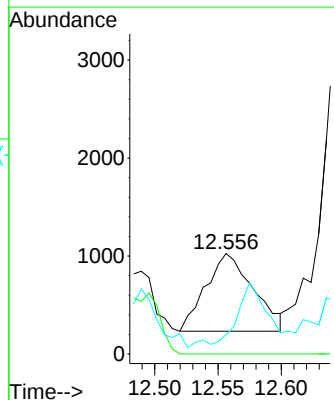
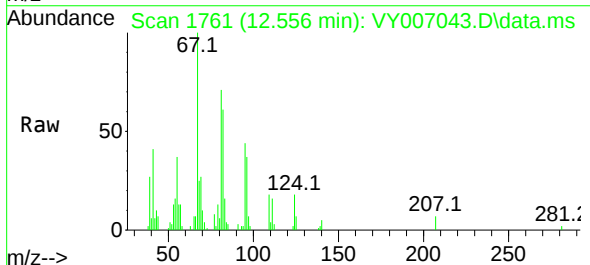


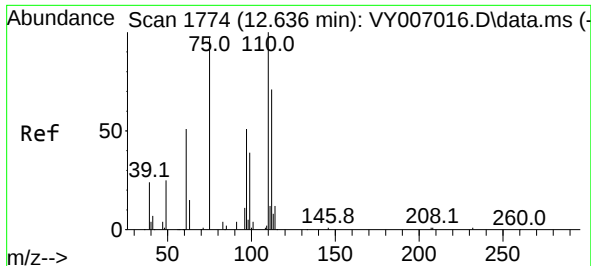
Tgt Ion: 43 Resp: 7725
Ion Ratio Lower Upper
43 100
70 10.8 36.0 54.0#
55 17.2 19.0 28.4#
61 0.0 20.4 30.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.176 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.030 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

Tgt Ion: 83 Resp: 2071
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 46.6 31.8 95.4

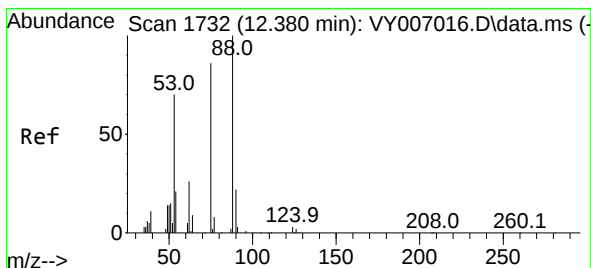
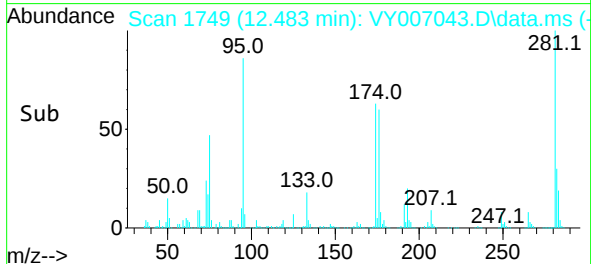
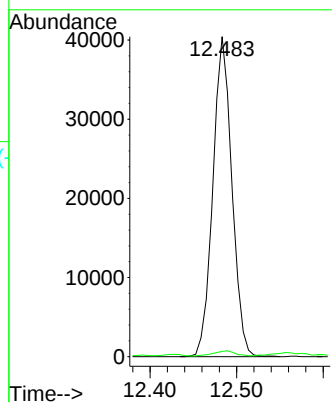
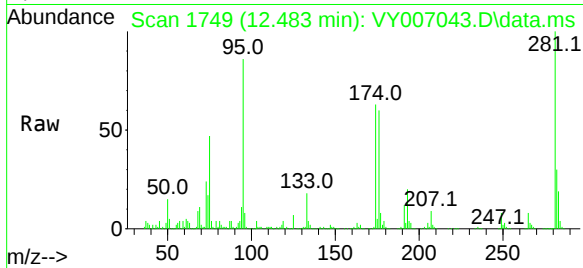




#76
1,2,3-Trichloropropane
Concen: 47.132 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

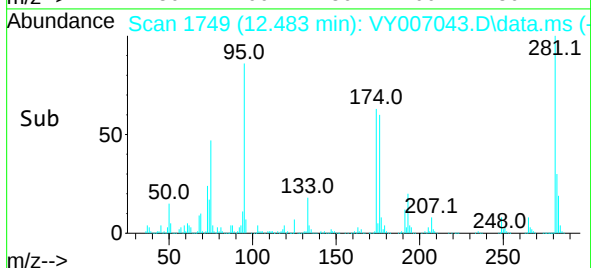
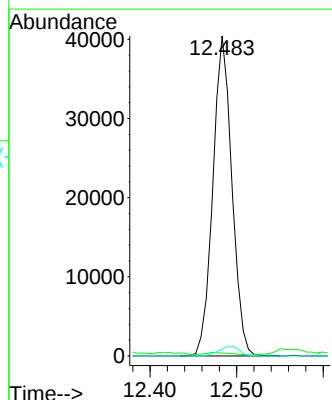
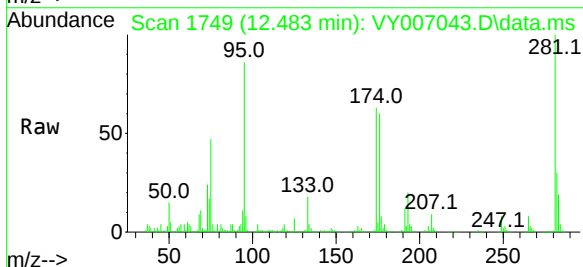
Instrument :
MSVOA_Y
ClientSampleId :

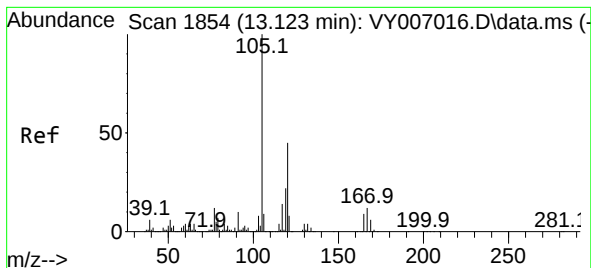
Tgt Ion: 75 Resp: 61661
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.083 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

Tgt Ion: 75 Resp: 61661
Ion Ratio Lower Upper
75 100
53 0.9 72.2 108.4#
89 3.3 0.0 0.0#





#84

1,2,4-Trimethylbenzene

Concen: 9.592 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. 0.134 min

Lab File: VY007043.D

Acq: 06 Jan 2022 19:26

Instrument :

MSVOA_Y

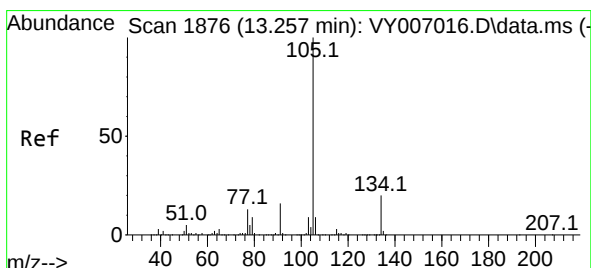
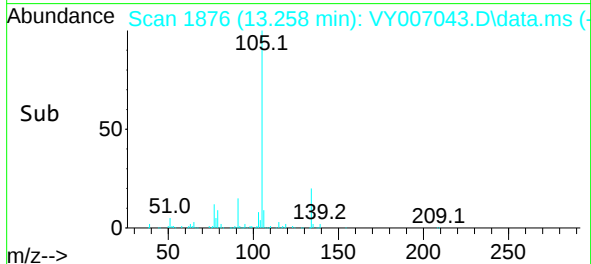
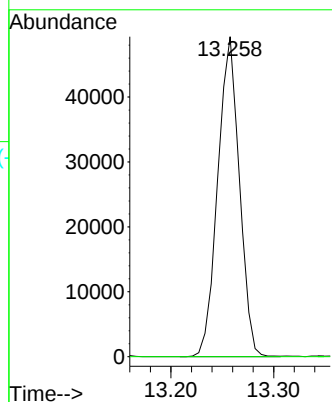
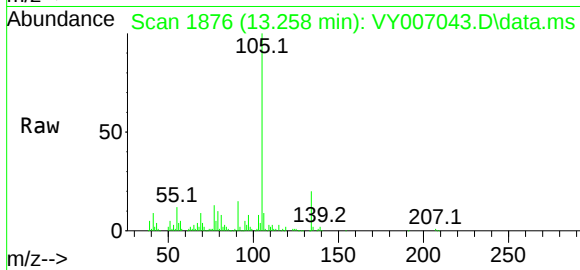
ClientSampleId :

Tgt Ion:105 Resp: 71973

Ion Ratio Lower Upper

105 100

120 0.0 22.1 66.5#



#85

sec-Butylbenzene

Concen: 7.345 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VY007043.D

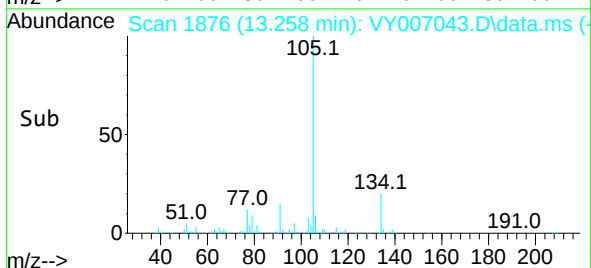
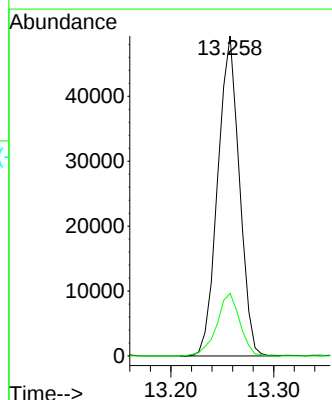
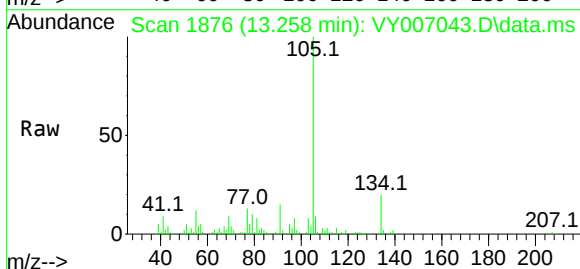
Acq: 06 Jan 2022 19:26

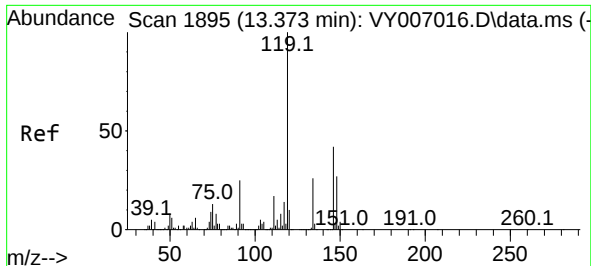
Tgt Ion:105 Resp: 71973

Ion Ratio Lower Upper

105 100

134 20.9 10.0 29.8

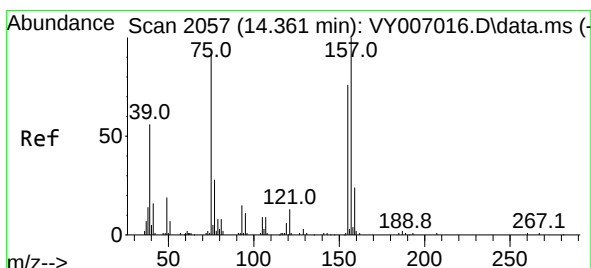
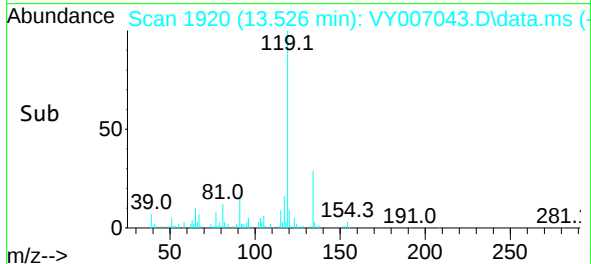
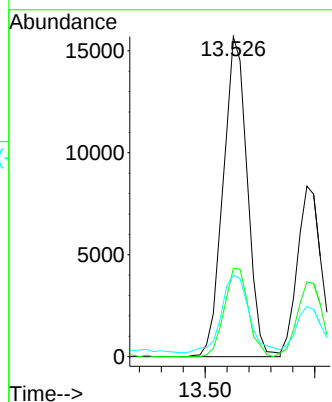
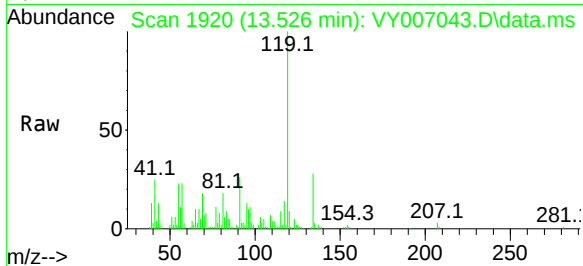




#86
 p-Isopropyltoluene
 Concen: 2.968 ug/l
 RT: 13.526 min Scan# 1920
 Delta R.T. 0.152 min
 Lab File: VY007043.D
 Acq: 06 Jan 2022 19:26

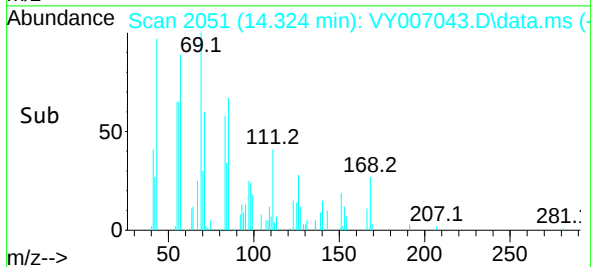
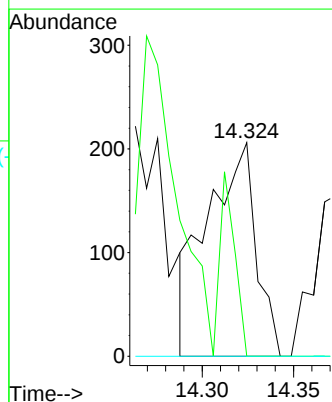
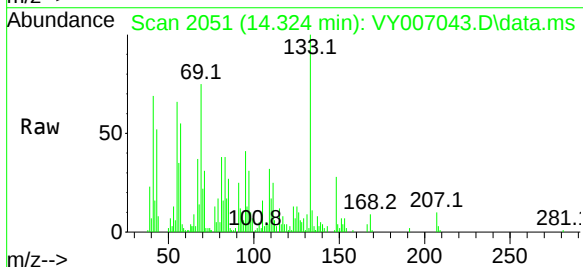
Instrument :
 MSVOA_Y
 ClientSampleId :

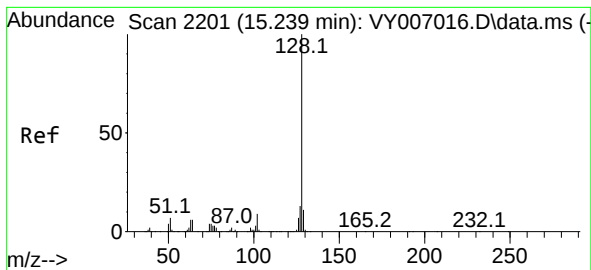
Tgt Ion:119 Resp: 23908
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.0 38.9
 91 27.9 12.4 37.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.161 ug/l
 RT: 14.324 min Scan# 2051
 Delta R.T. -0.037 min
 Lab File: VY007043.D
 Acq: 06 Jan 2022 19:26

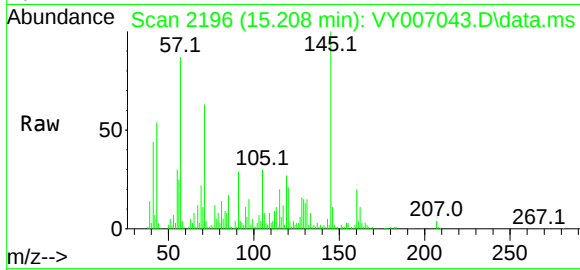
Tgt Ion: 75 Resp: 383
 Ion Ratio Lower Upper
 75 100
 155 26.4 41.8 125.3#
 157 0.0 52.9 158.8#





#95
Naphthalene
Concen: 1.572 ug/l
RT: 15.208 min Scan# 21
Delta R.T. -0.030 min
Lab File: VY007043.D
Acq: 06 Jan 2022 19:26

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 7351
Ion Ratio Lower Upper
128 100
127 43.4 10.2 15.2#
129 88.9 8.6 13.0#

