

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008802.D
 Acq On : 18 May 2022 03:40
 Operator : KP/MD
 Sample : N2869-01
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 08:02:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

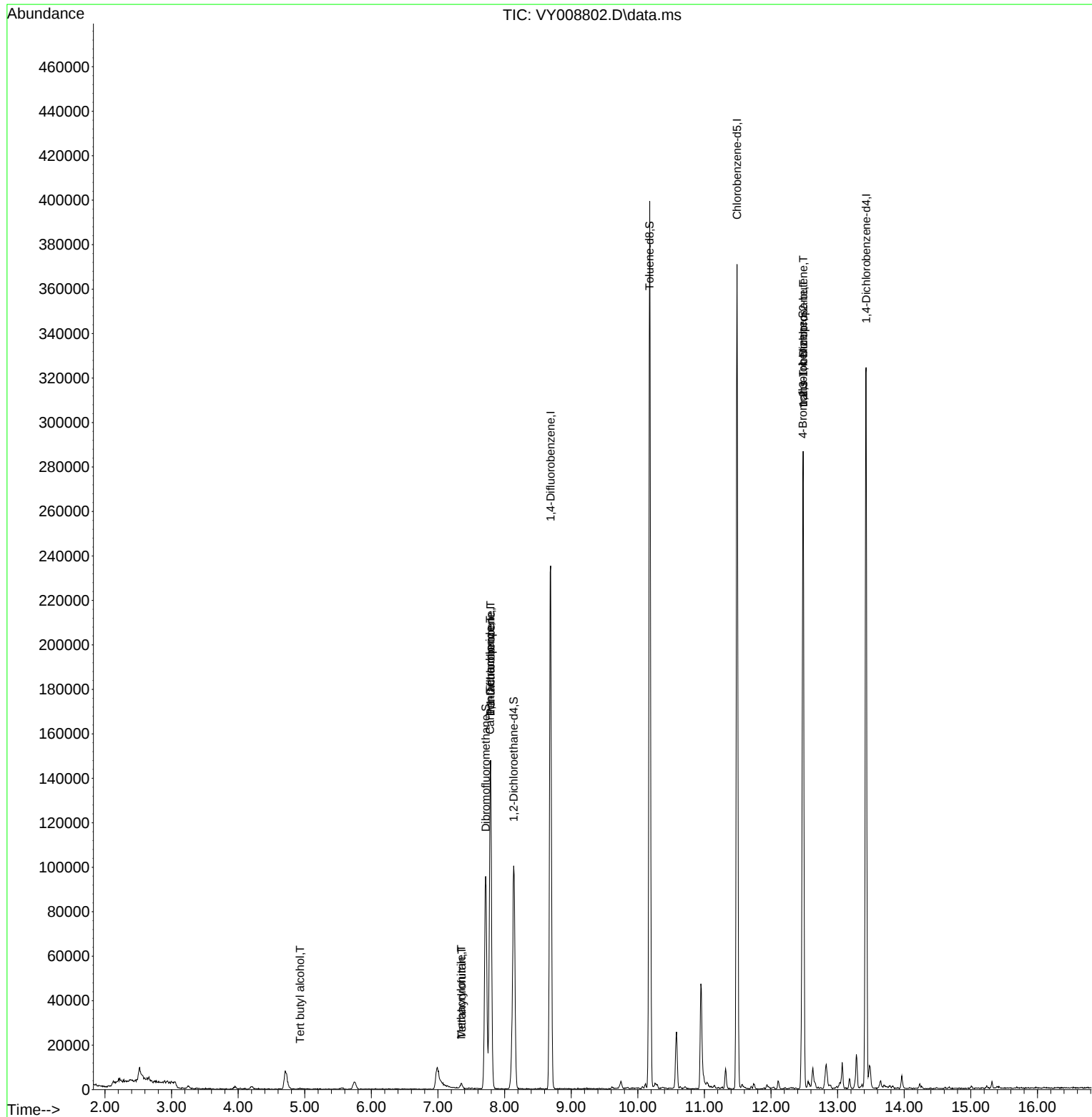
Internal Standards						
1) Pentafluorobenzene	7.789	168	114281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	202215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	191284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	69985	66.012	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.020%	
35) Dibromofluoromethane	7.716	113	65911	55.786	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.580%	
50) Toluene-d8	10.179	98	248856	47.551	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.100%	
62) 4-Bromofluorobenzene	12.477	95	74836	40.632	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.260%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	75	Below Cal	#	43
3) Chloromethane	2.107	50	339	Below Cal		98
4) Vinyl Chloride	2.235	62	83	Below Cal	#	43
5) Bromomethane	2.656	94	404	Below Cal		99
6) Chloroethane	2.686	64	48	Below Cal	#	43
7) Trichlorofluoromethane	3.131	101	20	Below Cal	#	21
11) Tert butyl alcohol	4.930	59	234	1.997 ug/l	#	77
16) Acetone	3.960	43	1998	Below Cal		91
18) Methyl Acetate	4.607	43	20	Below Cal	#	56
20) Methylene Chloride	4.704	84	6201	Below Cal	#	85
29) Tetrahydrofuran	7.356	42	1354	4.568 ug/l	#	78
31) Cyclohexane	7.783	56	2657	Below Cal	#	35
36) 1,1-Dichloropropene	7.789	75	9417	4.976 ug/l	#	50
38) Carbon Tetrachloride	7.783	117	11310	5.577 ug/l	#	15
41) Methacrylonitrile	7.350	41	932	1.572 ug/l	#	45
76) 1,2,3-Trichloropropane	12.483	75	42954	45.038 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42954	98.512 ug/l	#	8

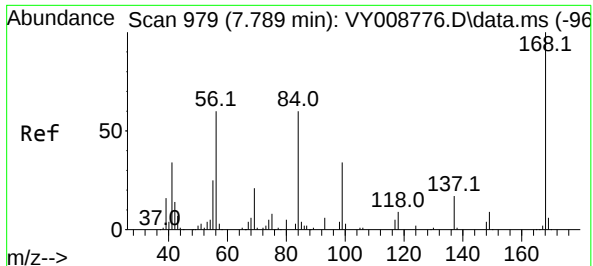
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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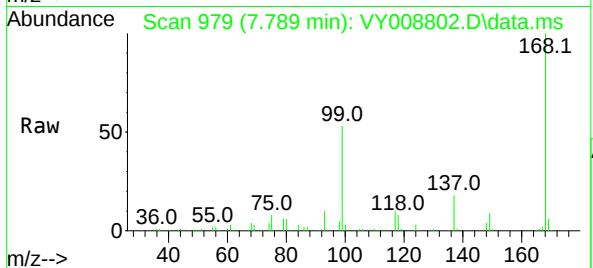
Quant Time: May 18 08:02:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
Response via : Initial Calibration



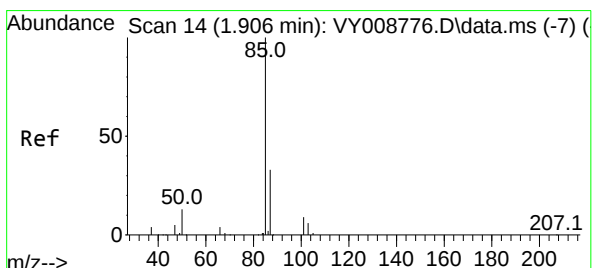
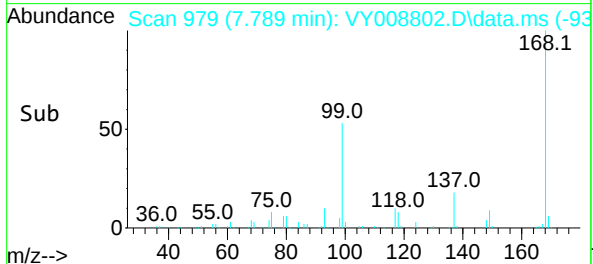
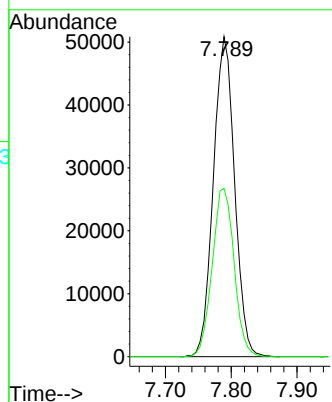


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Instrument :
MSVOA_Y
ClientSampleId :

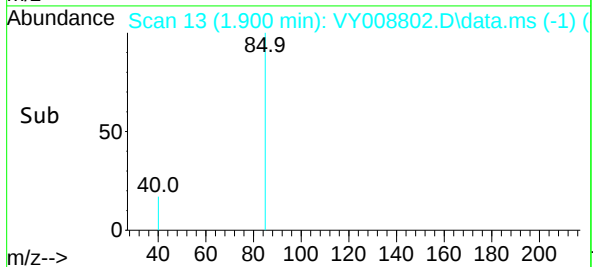
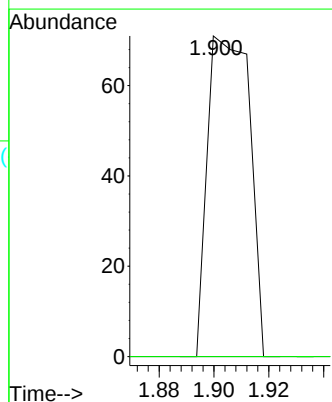
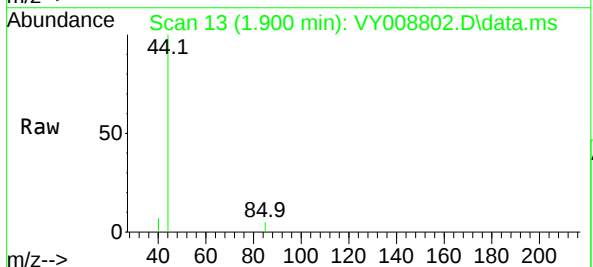


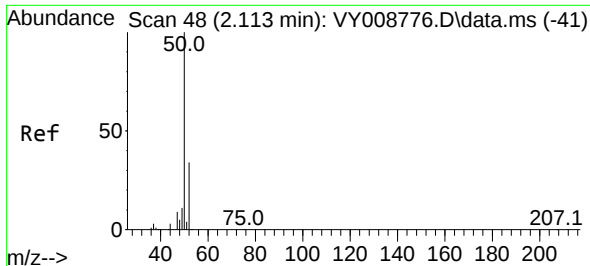
Tgt Ion:168 Resp: 114281
Ion Ratio Lower Upper
168 100
99 52.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

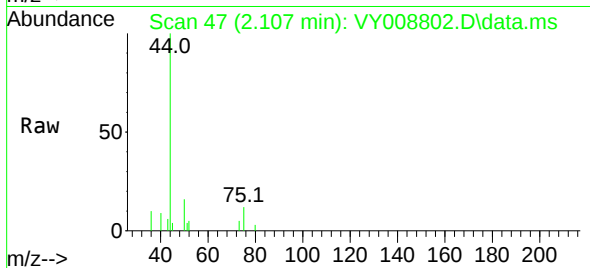
Tgt Ion: 85 Resp: 75
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



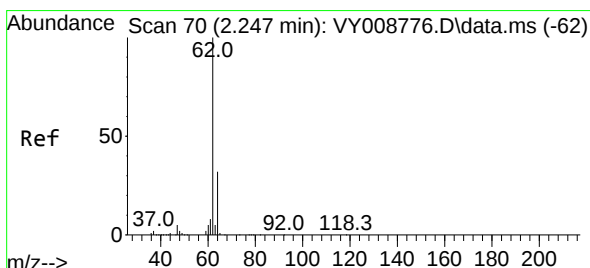
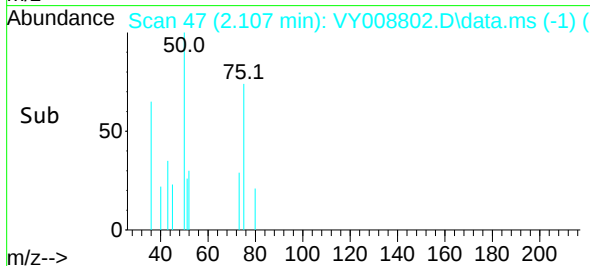
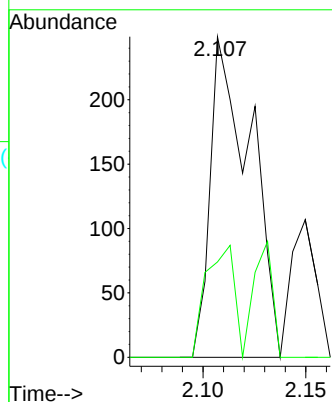


#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Instrument :
MSVOA_Y
ClientSampleId :

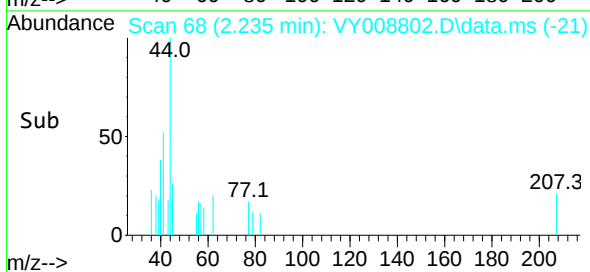
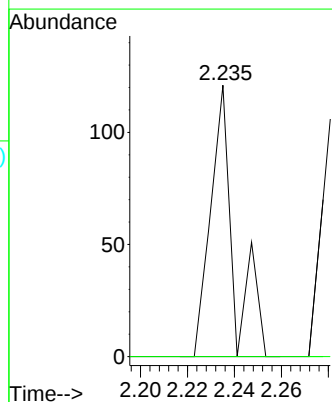
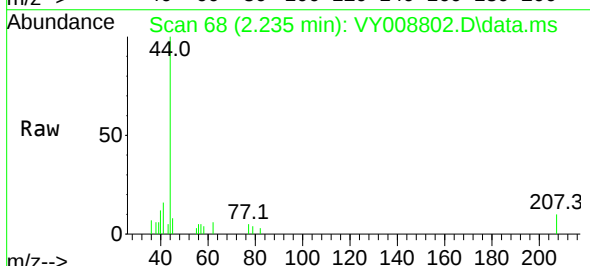


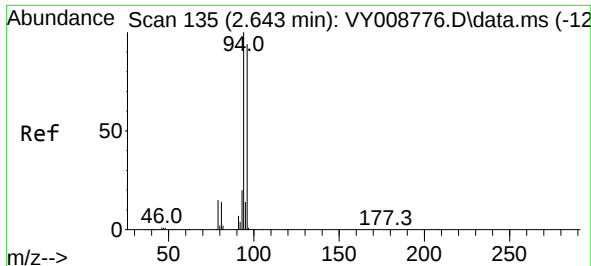
Tgt Ion: 50 Resp: 339
Ion Ratio Lower Upper
50 100
52 29.7 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.235 min Scan# 68
Delta R.T. -0.012 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Tgt Ion: 62 Resp: 83
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

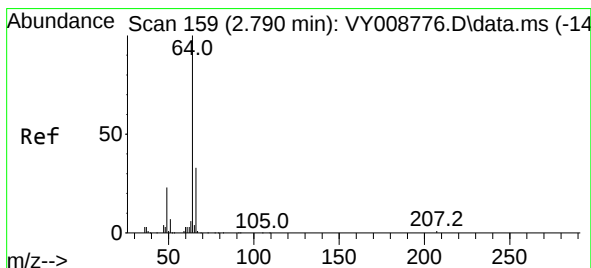
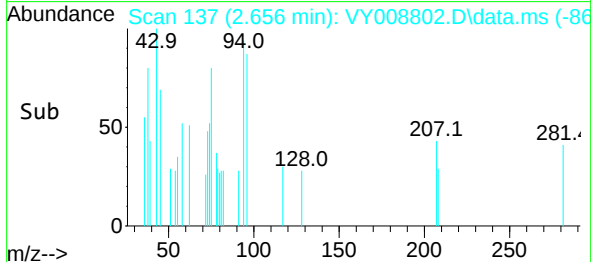
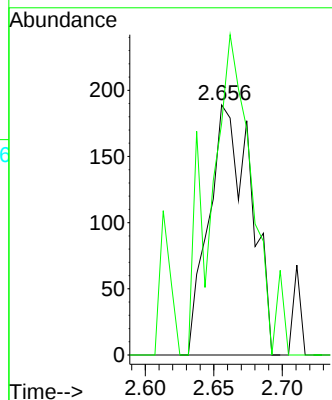
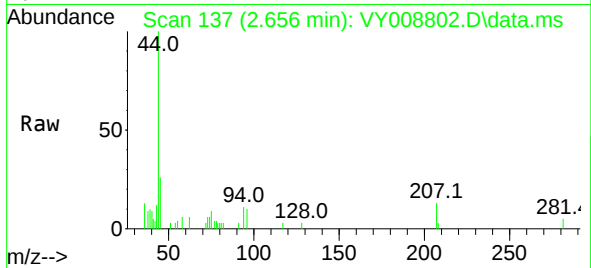




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

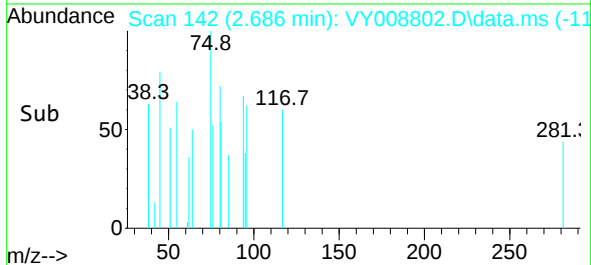
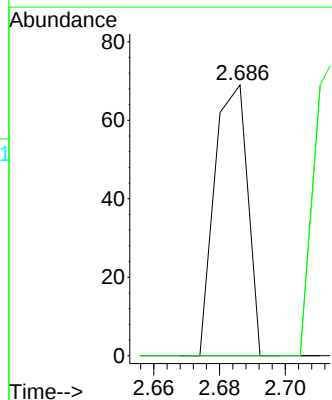
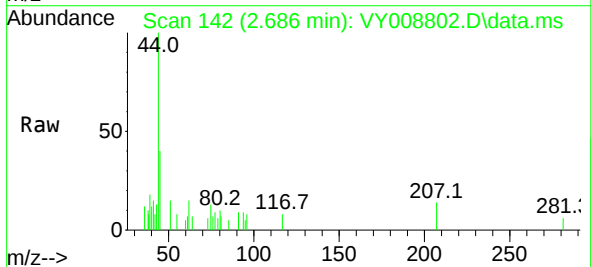
Instrument :
MSVOA_Y
ClientSampleId :

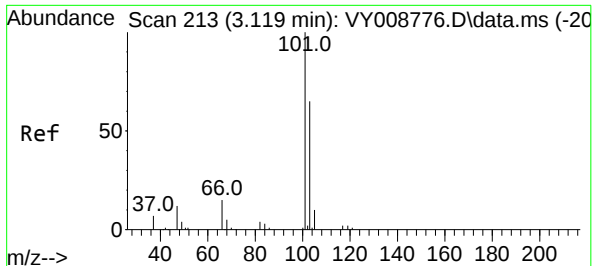
Tgt Ion: 94 Resp: 404
Ion Ratio Lower Upper
94 100
96 92.6 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.686 min Scan# 142
Delta R.T. -0.104 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

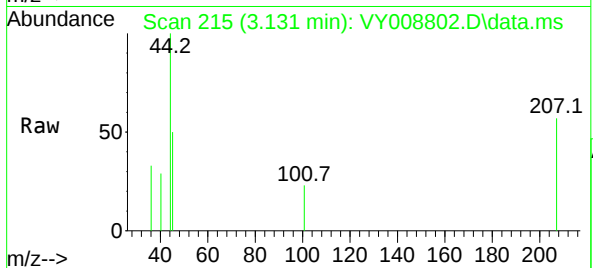
Tgt Ion: 64 Resp: 48
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



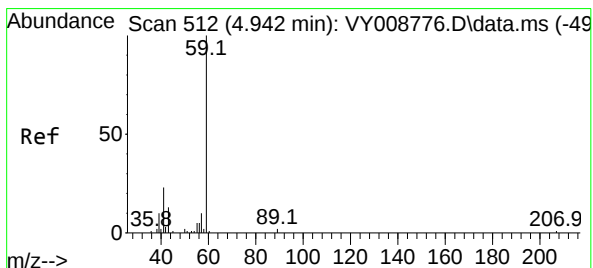
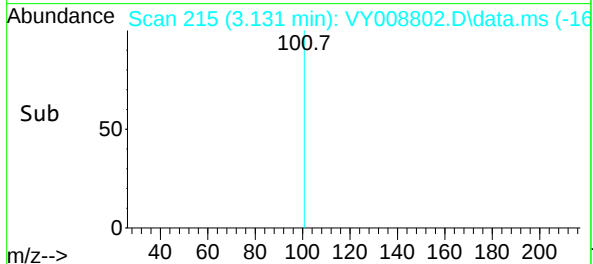
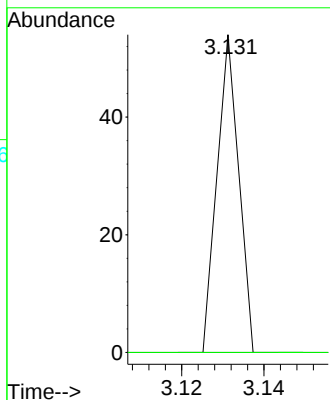


#7
 Trichlorofluoromethane
 Concen: Below Cal
 RT: 3.131 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY008802.D
 Acq: 18 May 2022 03:40

Instrument :
 MSVOA_Y
 ClientSampleId :

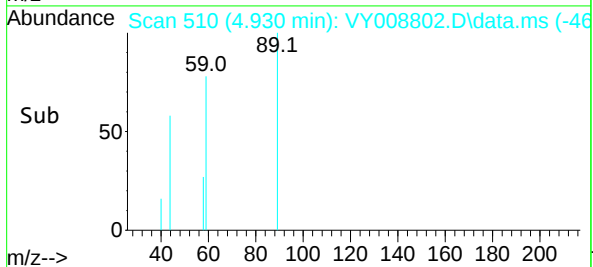
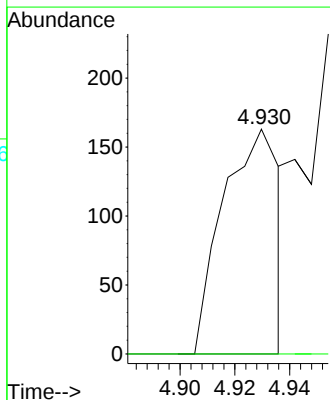
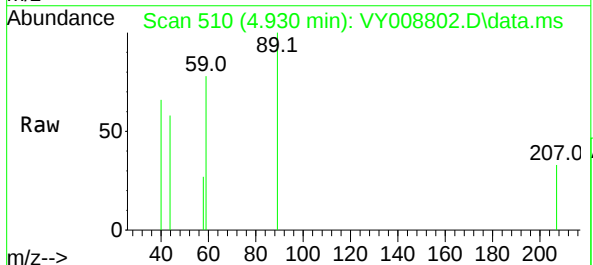


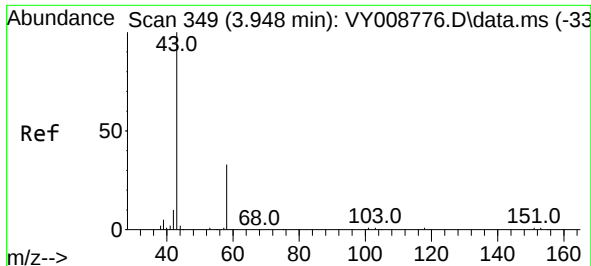
Tgt Ion:101 Resp: 20
 Ion Ratio Lower Upper
 101 100
 103 0.0 48.0 72.0#



#11
 Tert butyl alcohol
 Concen: 1.997 ug/l
 RT: 4.930 min Scan# 510
 Delta R.T. -0.012 min
 Lab File: VY008802.D
 Acq: 18 May 2022 03:40

Tgt Ion: 59 Resp: 234
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.4 9.6#

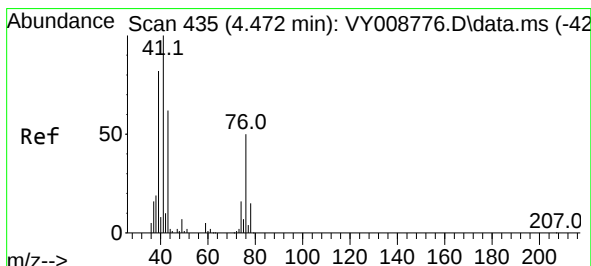
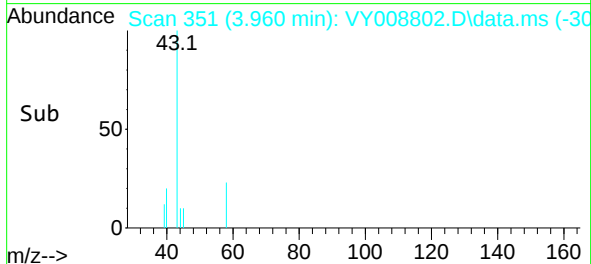
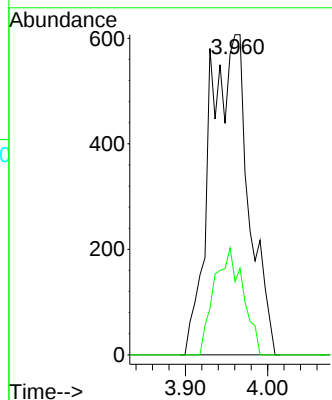
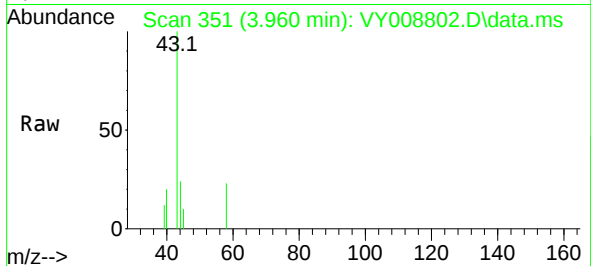




#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

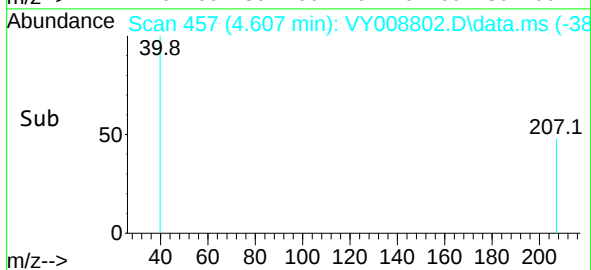
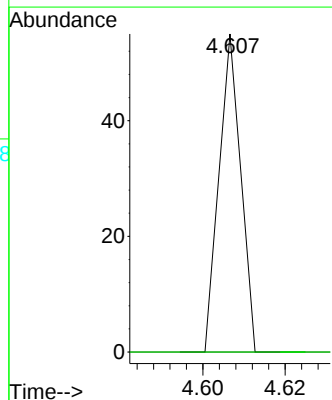
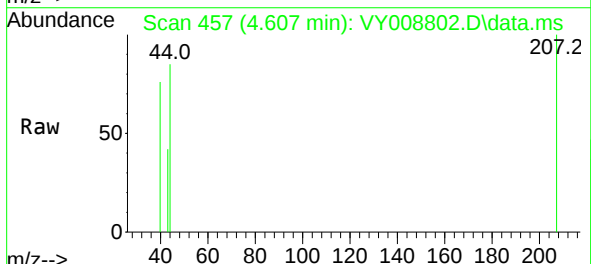
Instrument :
MSVOA_Y
ClientSampleId :

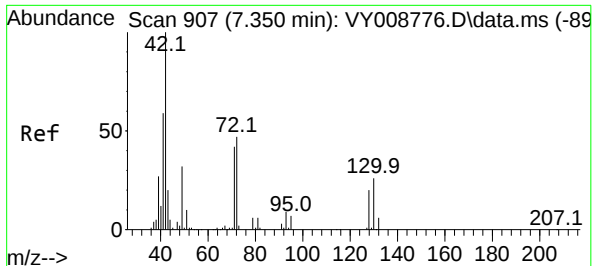
Tgt Ion: 43 Resp: 1998
Ion Ratio Lower Upper
43 100
58 22.9 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.607 min Scan# 457
Delta R.T. 0.135 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#29

Tetrahydrofuran

Concen: 4.568 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

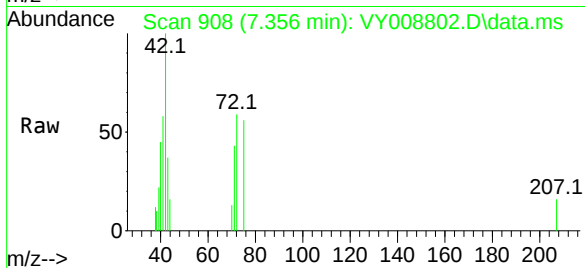
Lab File: VY008802.D

Acq: 18 May 2022 03:40

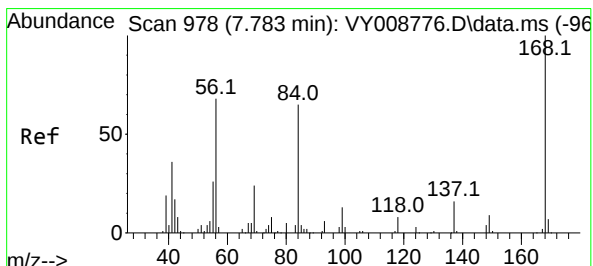
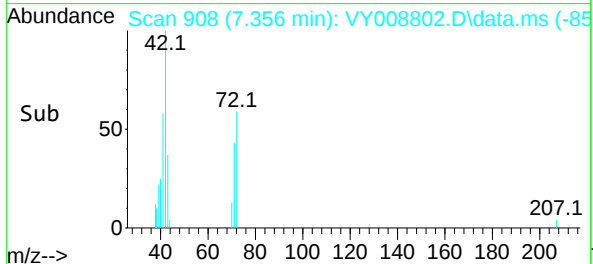
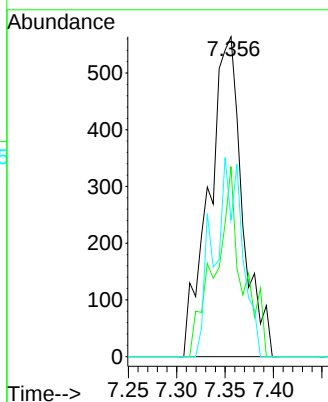
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1354
Ion	Ratio	Lower	Upper
42	100		
72	48.3	30.3	45.5#
71	51.9	29.0	43.4#



#31

Cyclohexane

Concen: Below Cal

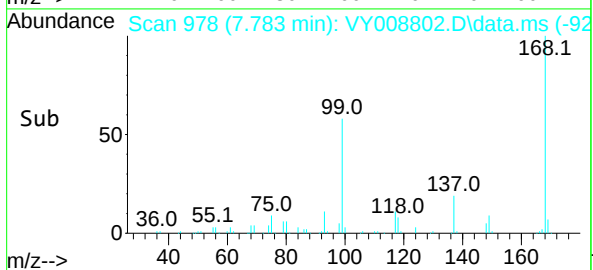
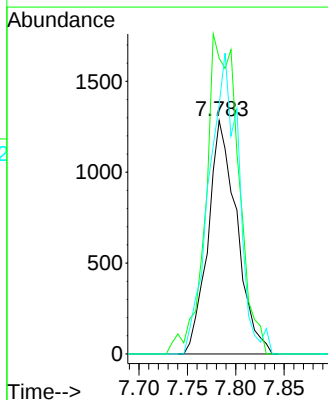
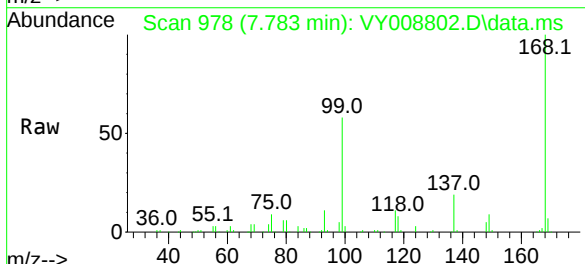
RT: 7.783 min Scan# 978

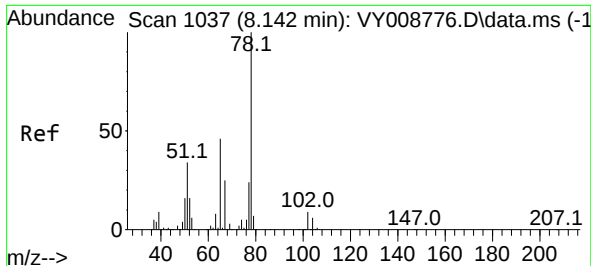
Delta R.T. -0.000 min

Lab File: VY008802.D

Acq: 18 May 2022 03:40

Tgt Ion:	56	Resp:	2657
Ion	Ratio	Lower	Upper
56	100		
69	126.7	26.7	40.1#
84	106.7	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.012 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

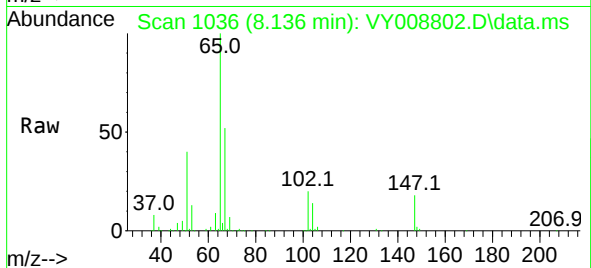
Lab File: VY008802.D

Acq: 18 May 2022 03:40

Instrument :

MSVOA_Y

ClientSampleId :

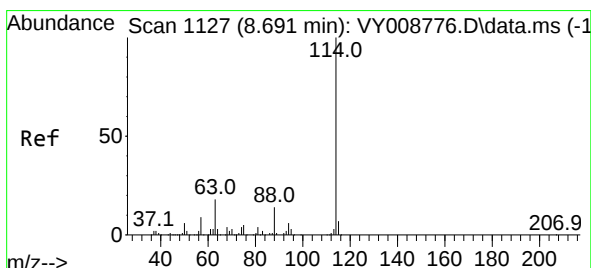
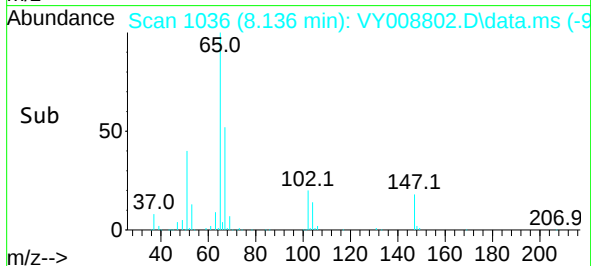
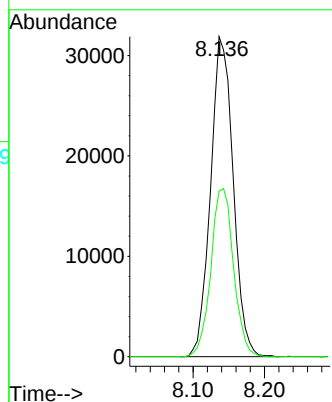


Tgt Ion: 65 Resp: 69985

Ion Ratio Lower Upper

65 100

67 52.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008802.D

Acq: 18 May 2022 03:40

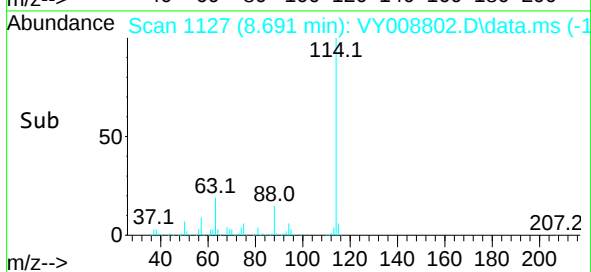
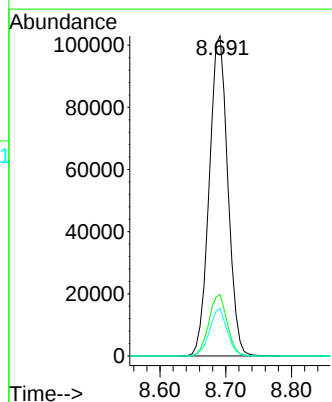
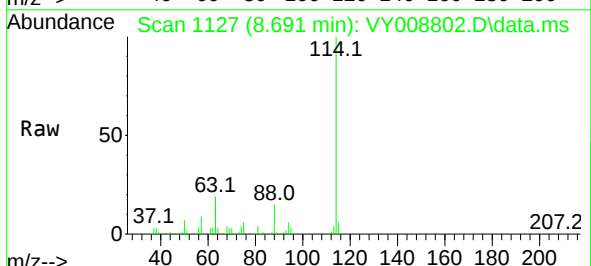
Tgt Ion: 114 Resp: 202215

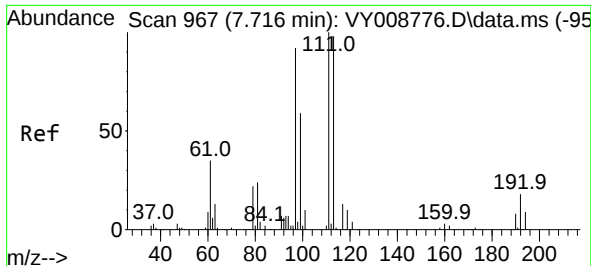
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

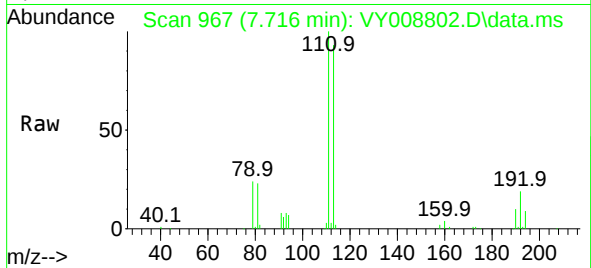
88 14.8 0.0 31.8



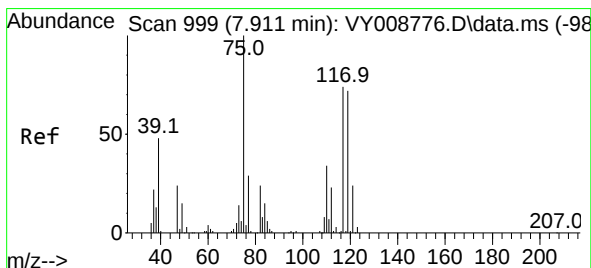
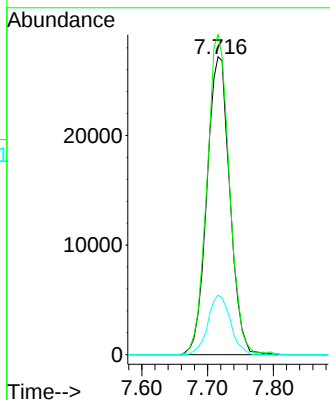
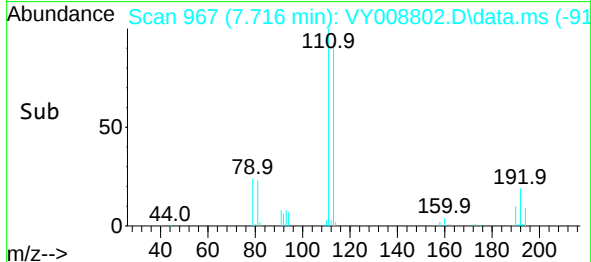


#35
Dibromofluoromethane
Concen: 55.786 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Instrument :
MSVOA_Y
ClientSampleId :

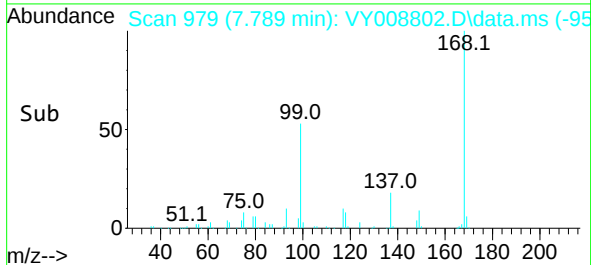
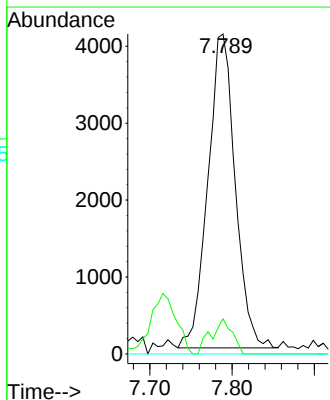
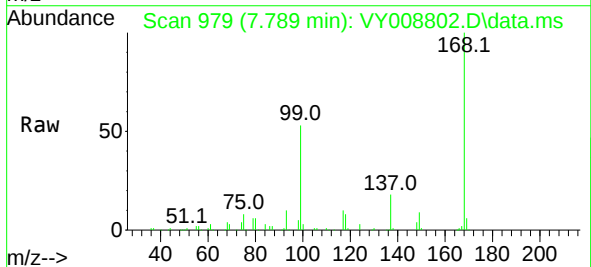


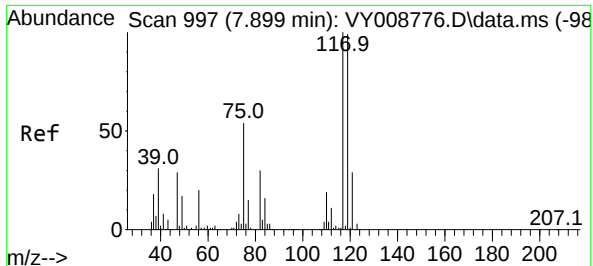
Tgt Ion:113 Resp: 65911
Ion Ratio Lower Upper
113 100
111 104.9 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.976 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

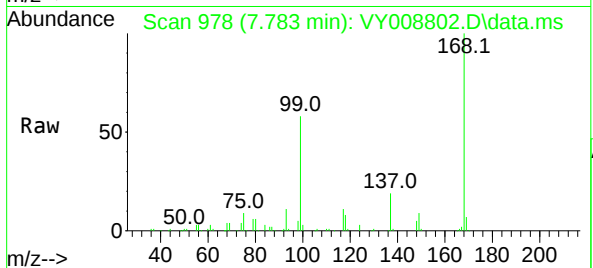
Tgt Ion: 75 Resp: 9417
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#



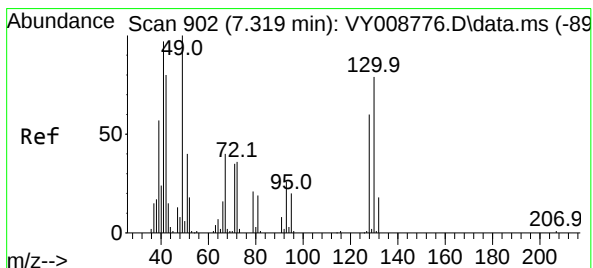
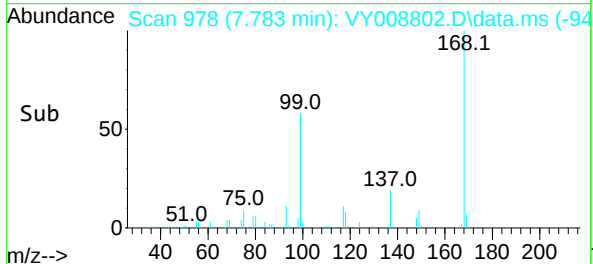
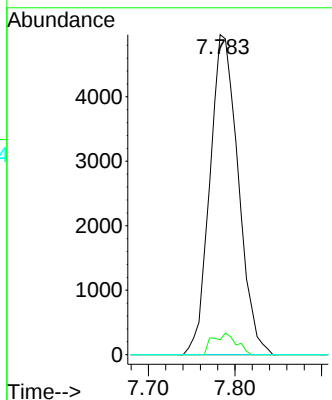


#38
Carbon Tetrachloride
Concen: 5.577 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Instrument :
MSVOA_Y
ClientSampleId :

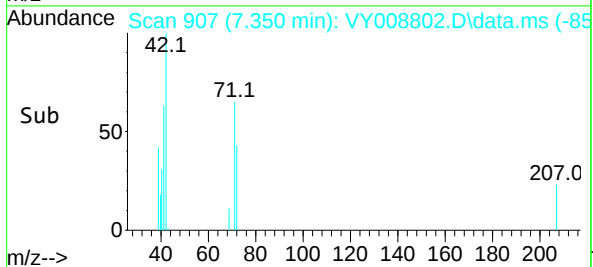
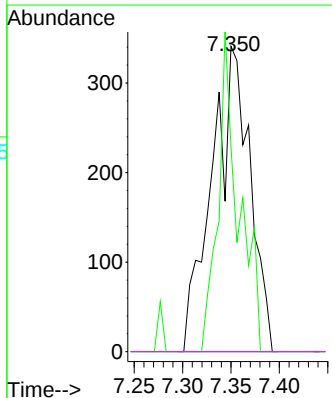
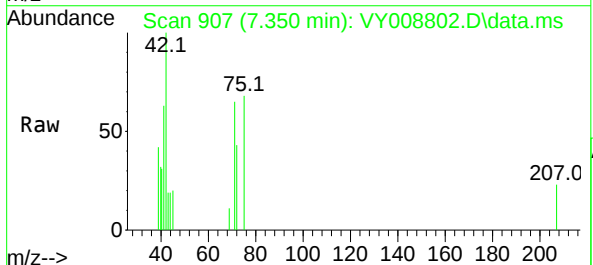


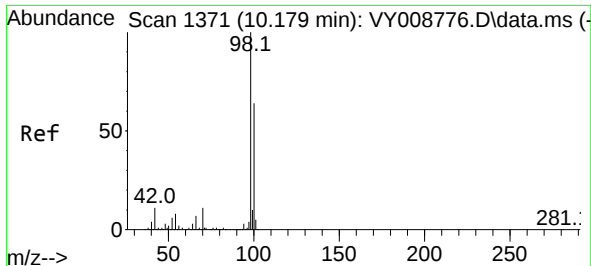
Tgt Ion: 117 Resp: 11310
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 1.572 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.031 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Tgt Ion: 41 Resp: 932
Ion Ratio Lower Upper
41 100
39 56.5 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

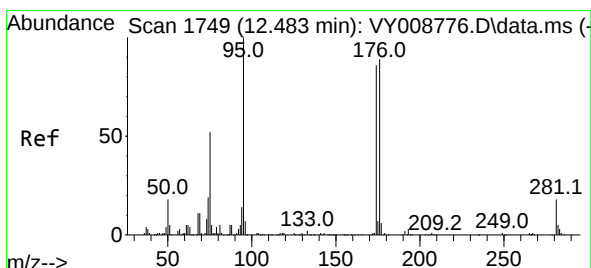
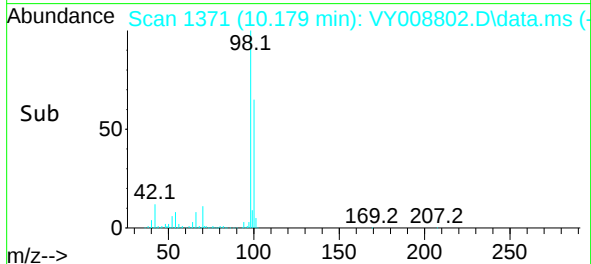
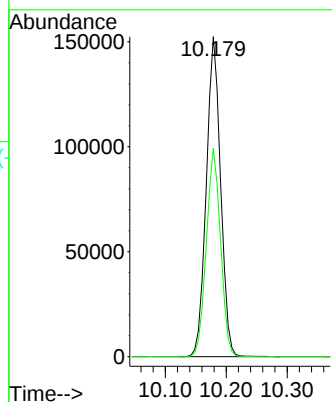
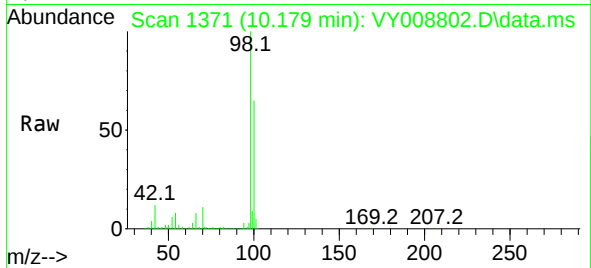




#50
Toluene-d8
Concen: 47.551 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

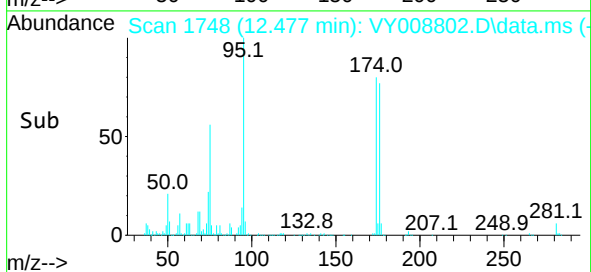
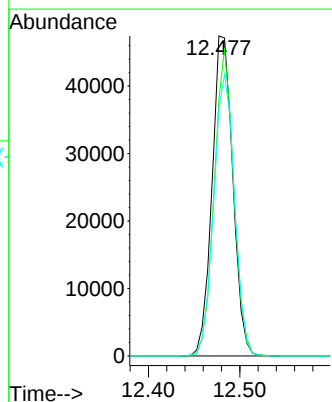
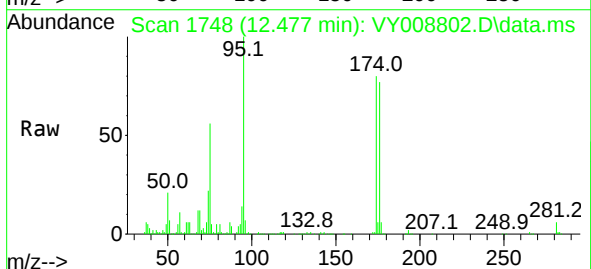
Instrument :
MSVOA_Y
ClientSampleId :

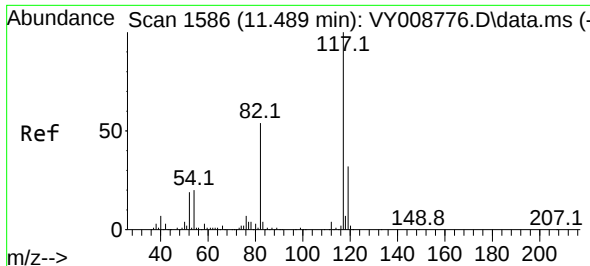
Tgt Ion: 98 Resp: 248856
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.632 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

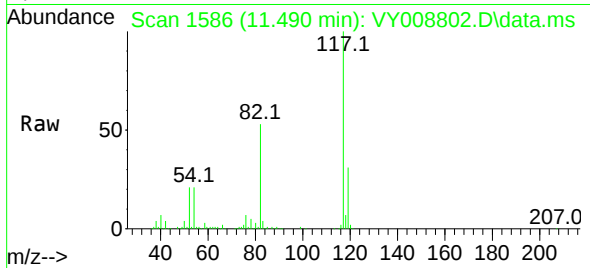
Tgt Ion: 95 Resp: 74836
Ion Ratio Lower Upper
95 100
174 90.6 0.0 177.0
176 87.9 0.0 175.8



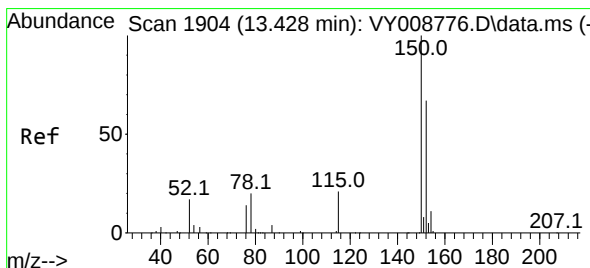
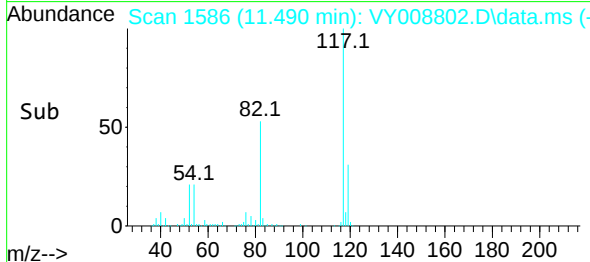
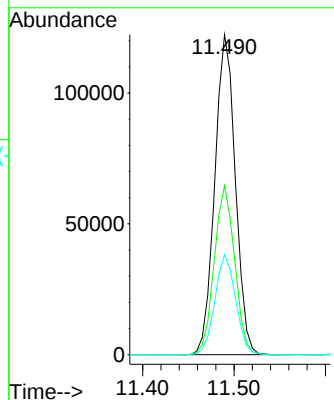


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Instrument :
MSVOA_Y
ClientSampleId :

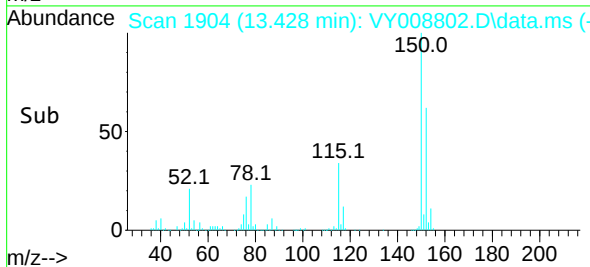
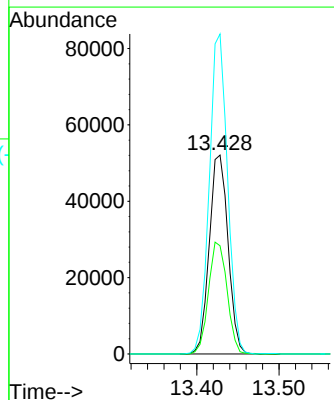
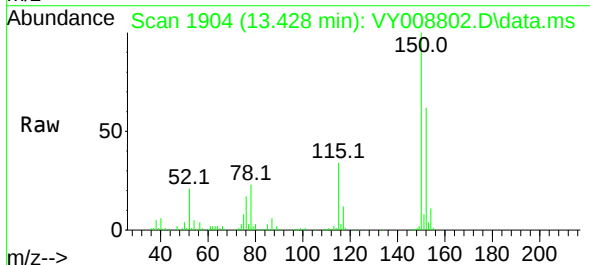


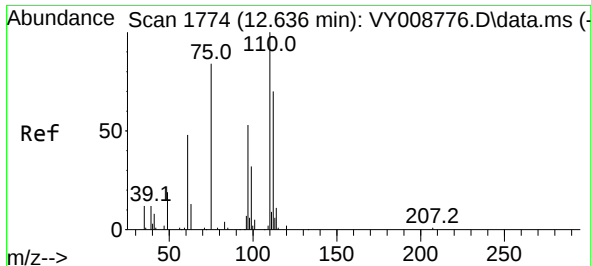
Tgt Ion:117 Resp: 191284
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Tgt Ion:152 Resp: 82563
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.7
150 156.3 0.0 347.6

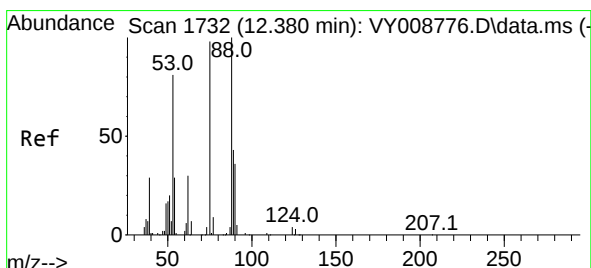
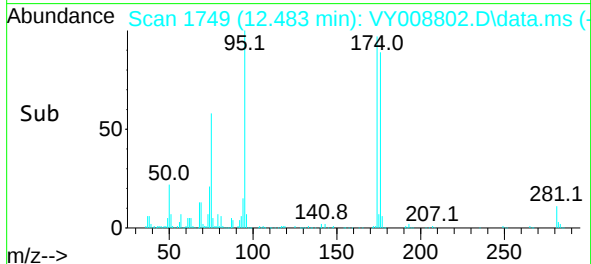
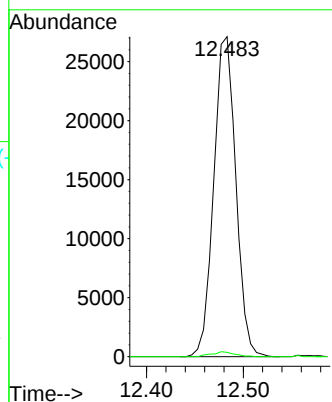
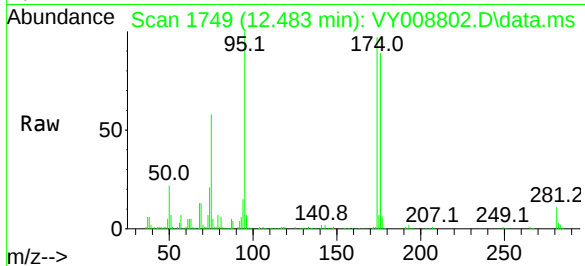




#76
1,2,3-Trichloropropane
Concen: 45.038 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 42954
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.512 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008802.D
Acq: 18 May 2022 03:40

Tgt Ion: 75 Resp: 42954
Ion Ratio Lower Upper
75 100
53 1.3 85.3 127.9#
89 0.0 37.0 55.4#

