

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022422\
 Data File : VY007623.D
 Acq On : 24 Feb 2022 17:27
 Operator : SY/MD
 Sample : N1584-09
 Misc : 4.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 25 05:43:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

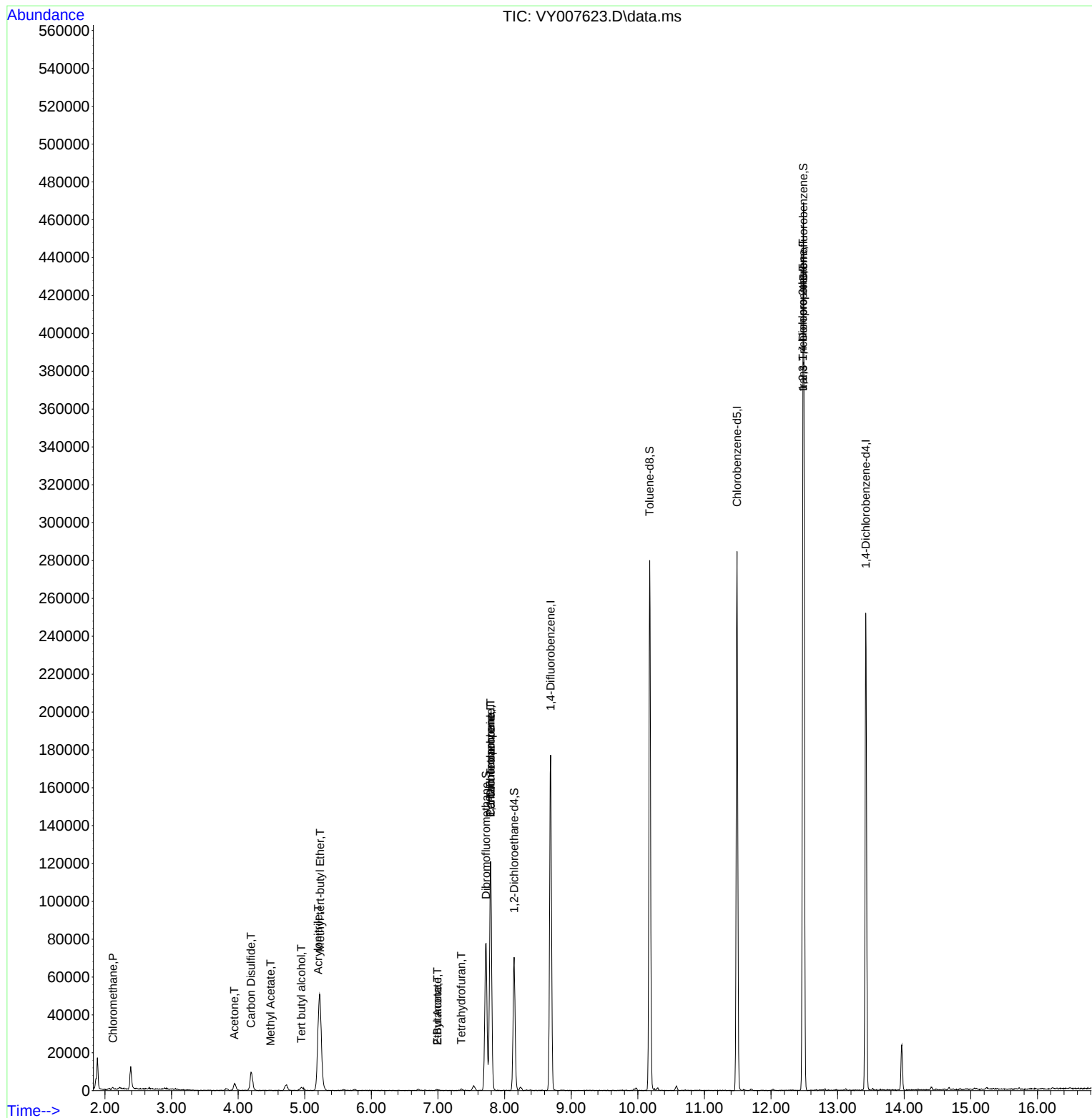
Internal Standards						
1) Pentafluorobenzene	7.789	168	94230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	156959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	152112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	63552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	53527	51.062	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.120%	
35) Dibromofluoromethane	7.722	113	51798	52.301	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.600%	
50) Toluene-d8	10.179	98	184030	50.206	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.420%	
62) 4-Bromofluorobenzene	12.483	95	62314	49.760	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	1006	1.614	ug/l	94
5) Bromomethane	2.662	94	248	Below Cal		83
11) Tert butyl alcohol	4.948	59	3748	35.500	ug/l #	77
15) Acrylonitrile	5.204	53	575	2.450	ug/l #	19
16) Acetone	3.942	43	6368	26.674	ug/l #	88
17) Carbon Disulfide	4.192	76	19703	7.448	ug/l	100
18) Methyl Acetate	4.485	43	282	1.778	ug/l #	75
19) Methyl tert-butyl Ether	5.228	73	97567	34.106	ug/l #	90
20) Methylene Chloride	4.729	84	2436	Below Cal	#	72
25) 2-Butanone	6.990	43	737	2.723	ug/l #	54
29) Tetrahydrofuran	7.350	42	505	3.206	ug/l #	79
31) Cyclohexane	7.789	56	1966	Below Cal	#	29
36) 1,1-Dichloropropene	7.789	75	6848	4.798	ug/l #	52
37) Ethyl Acetate	6.990	43	737	1.147	ug/l #	72
38) Carbon Tetrachloride	7.789	117	8814	4.217	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	38666	60.833	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	38666	130.800	ug/l #	8

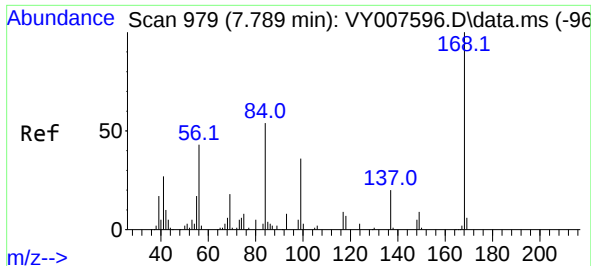
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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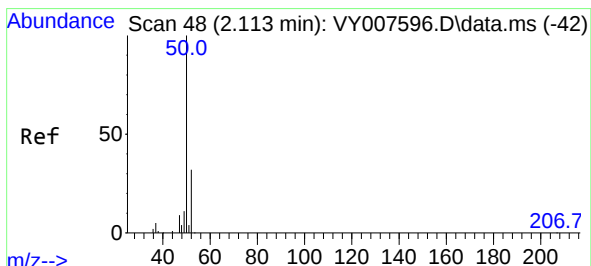
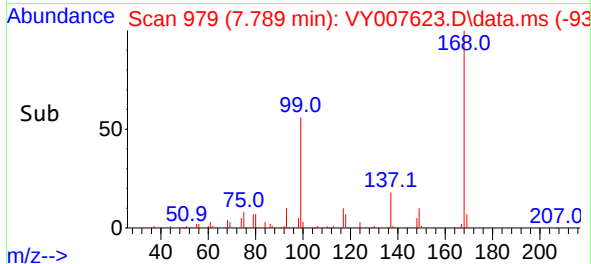
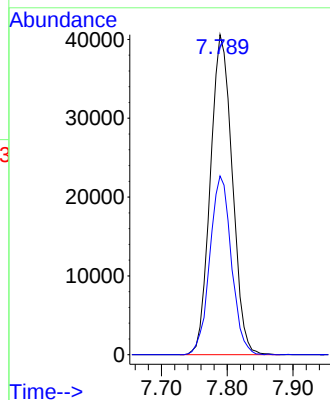
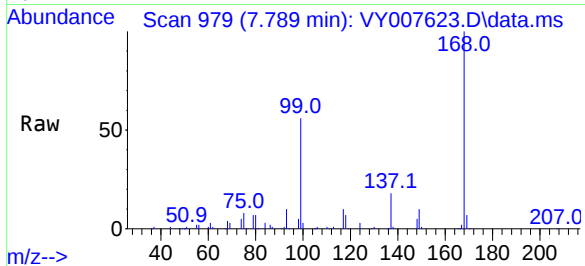




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

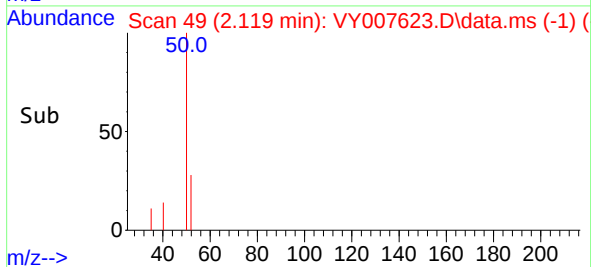
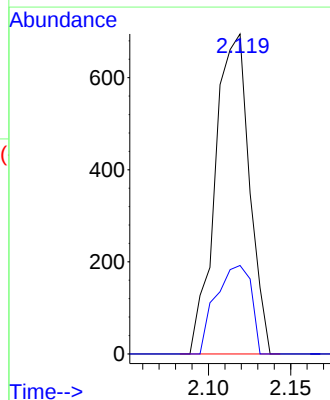
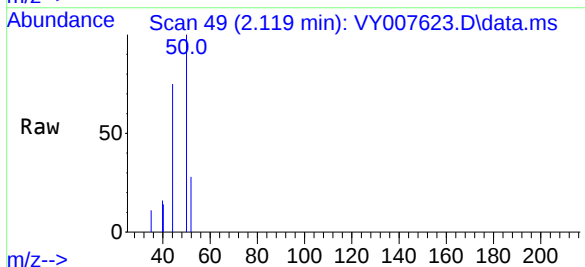
Instrument :
MSVOA_Y
ClientSampleId :

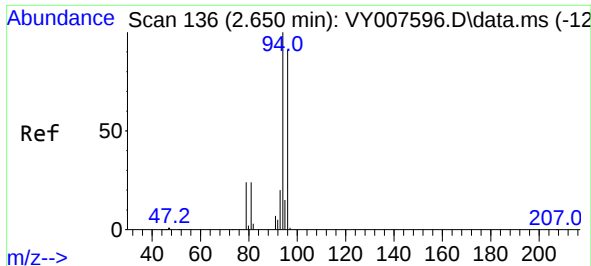
Tgt Ion:168 Resp: 94230
Ion Ratio Lower Upper
168 100
99 55.9 46.9 70.3



#3
Chloromethane
Concen: 1.614 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Tgt Ion: 50 Resp: 1006
Ion Ratio Lower Upper
50 100
52 27.6 24.6 37.0

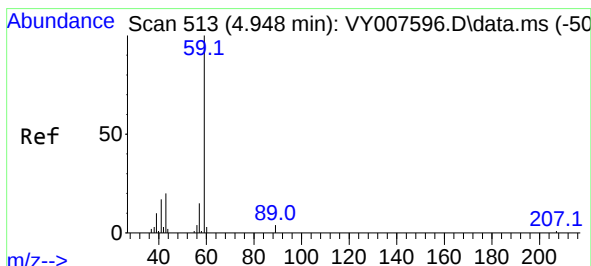
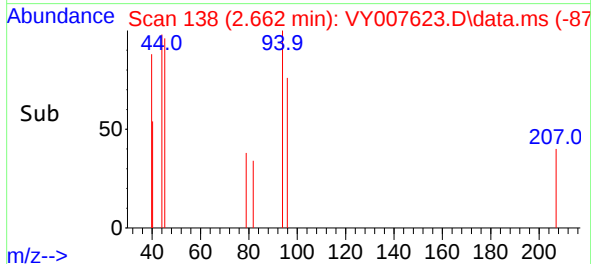
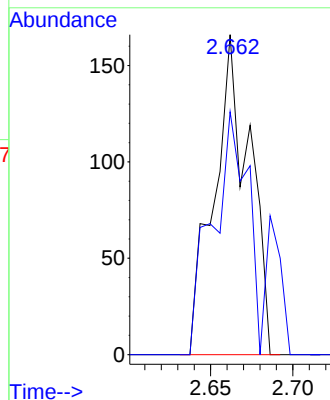
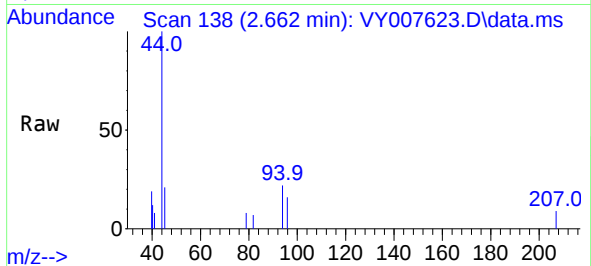




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

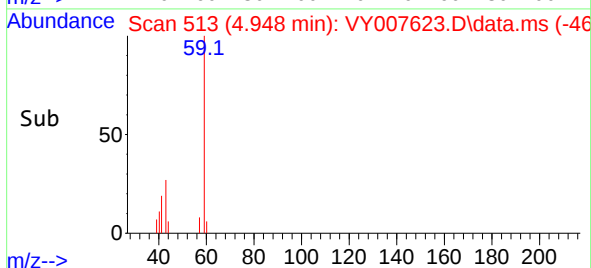
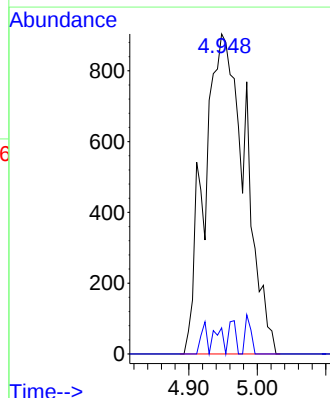
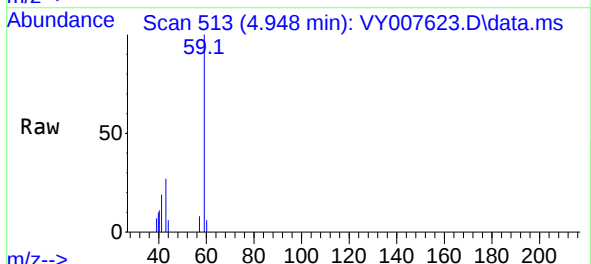
Instrument :
MSVOA_Y
ClientSampleId :

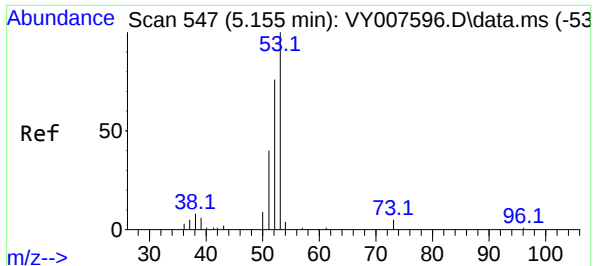
Tgt Ion: 94 Resp: 248
Ion Ratio Lower Upper
94 100
96 75.9 73.5 110.3



#11
Tert butyl alcohol
Concen: 35.500 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Tgt Ion: 59 Resp: 3748
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

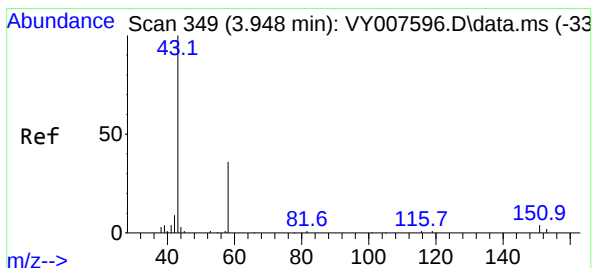
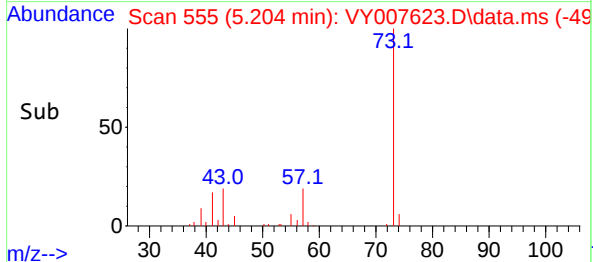
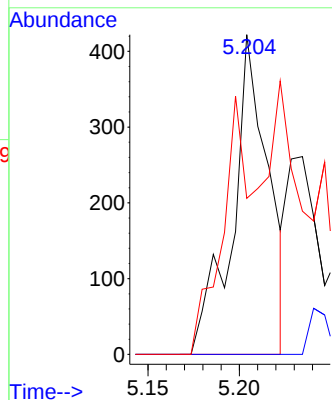
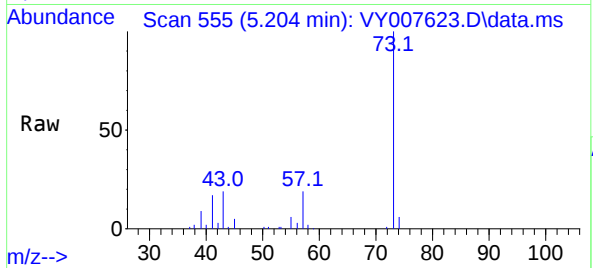




#15
Acrylonitrile
Concen: 2.450 ug/l
RT: 5.204 min Scan# 51
Delta R.T. 0.049 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

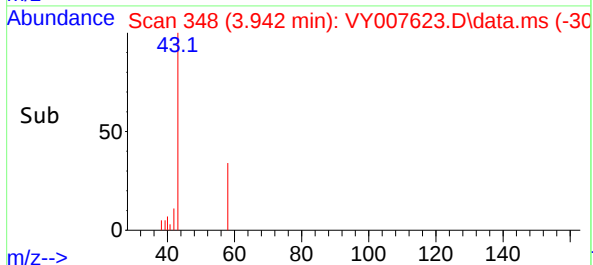
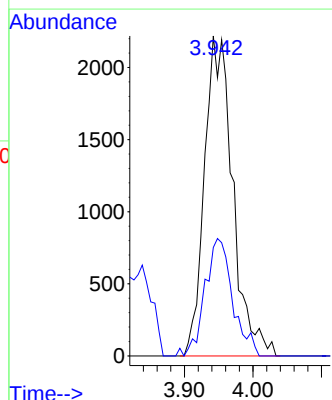
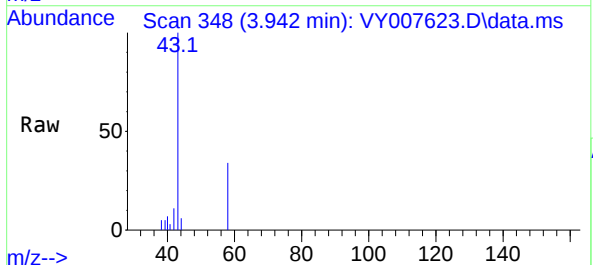
Instrument :
MSVOA_Y
ClientSampleId :

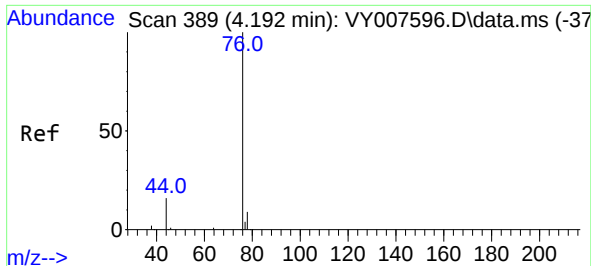
Tgt Ion: 53 Resp: 575
Ion Ratio Lower Upper
53 100
52 0.0 67.0 100.4#
51 70.1 29.8 44.6#



#16
Acetone
Concen: 26.674 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Tgt Ion: 43 Resp: 6368
Ion Ratio Lower Upper
43 100
58 33.9 22.0 33.0#

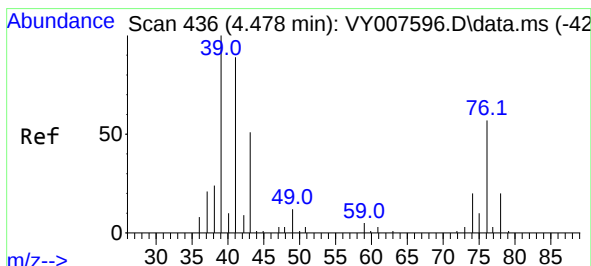
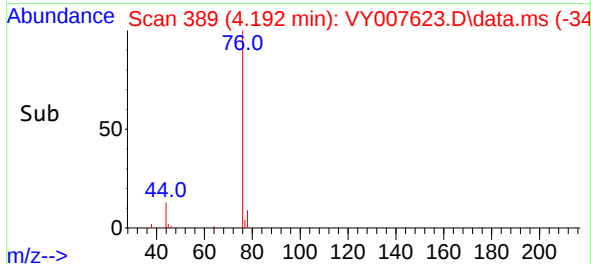
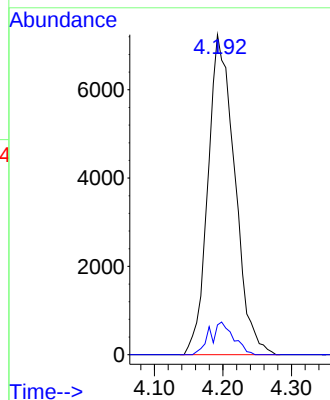
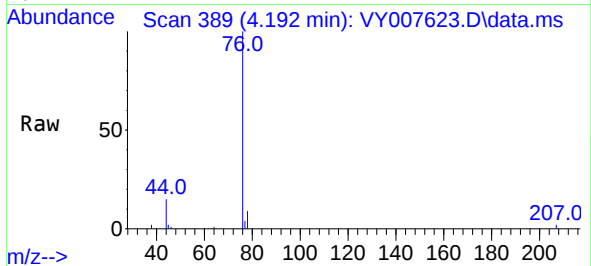




#17
Carbon Disulfide
Concen: 7.448 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

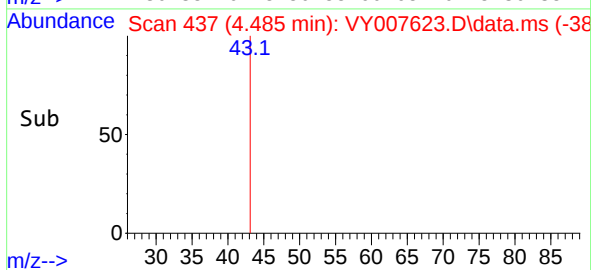
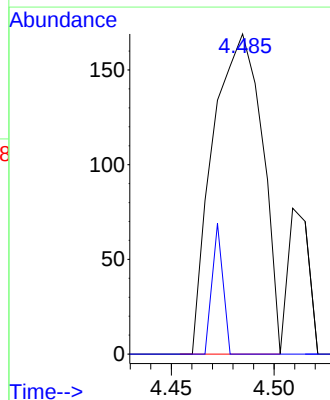
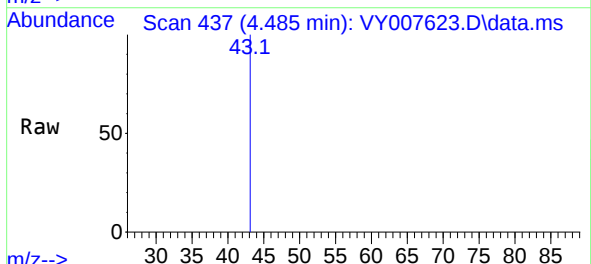
Instrument :
MSVOA_Y
ClientSampleId :

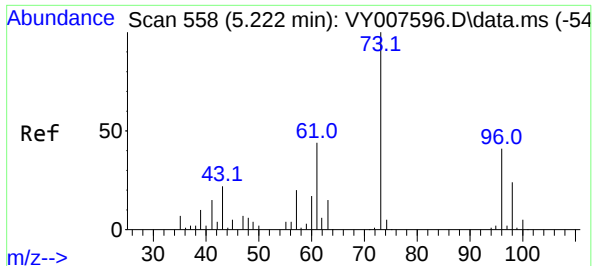
Tgt Ion: 76 Resp: 19703
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 1.778 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.007 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Tgt Ion: 43 Resp: 282
Ion Ratio Lower Upper
43 100
74 8.9 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 34.106 ug/l

RT: 5.228 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY007623.D

Acq: 24 Feb 2022 17:27

Instrument :

MSVOA_Y

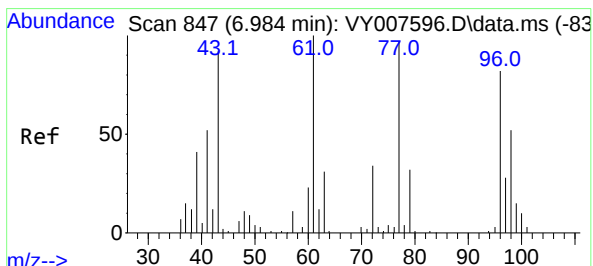
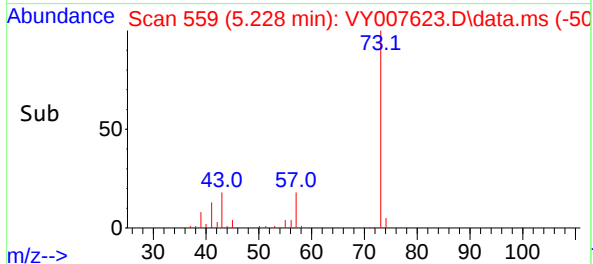
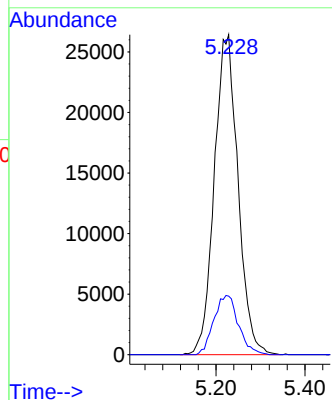
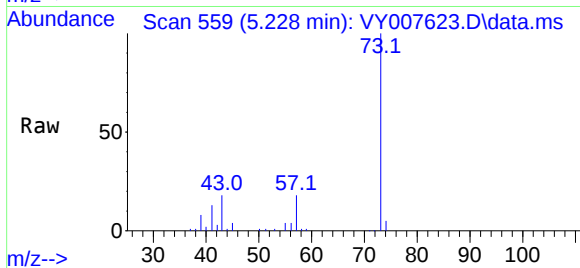
ClientSampleId :

Tgt Ion: 73 Resp: 97567

Ion Ratio Lower Upper

73 100

57 18.3 18.6 27.8#



#25

2-Butanone

Concen: 2.723 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY007623.D

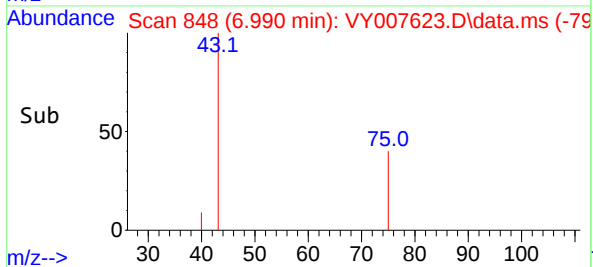
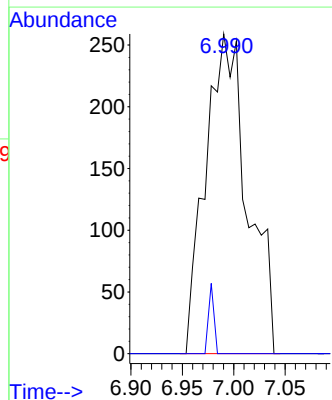
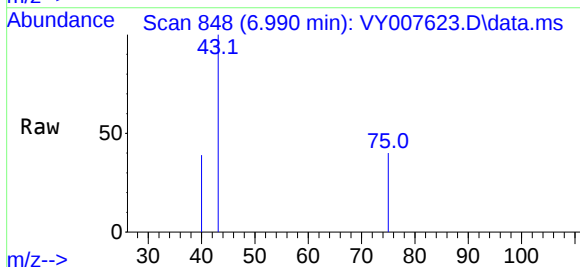
Acq: 24 Feb 2022 17:27

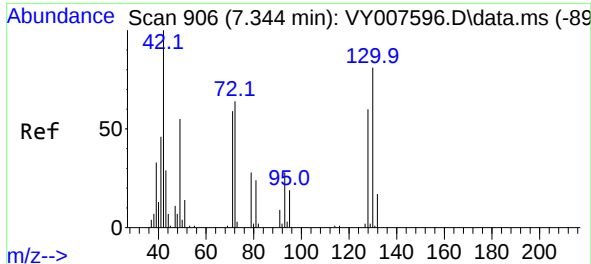
Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 3.206 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY007623.D

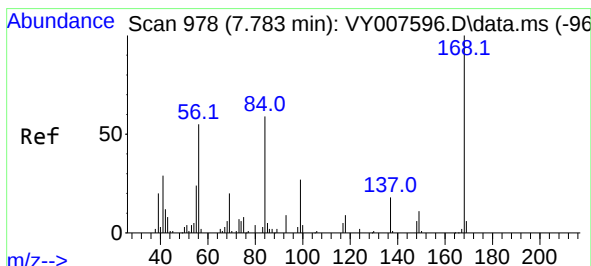
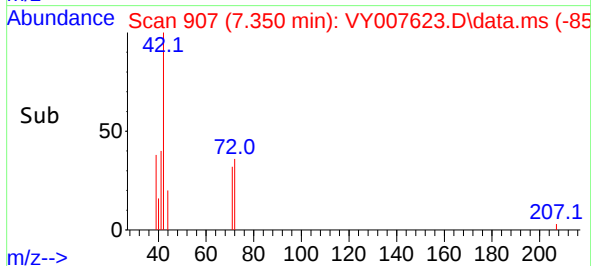
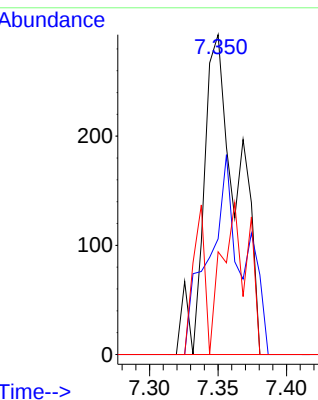
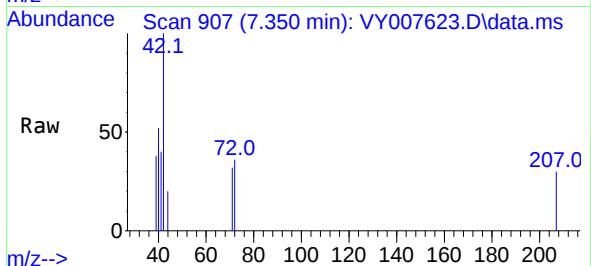
Acq: 24 Feb 2022 17:27

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	42	Resp:	505
Ion	Ratio	Lower	Upper
42	100		
72	62.8	30.3	45.5#
71	35.8	29.0	43.4



#31

Cyclohexane

Concen: Below Cal

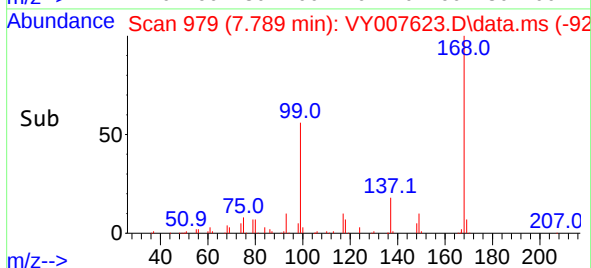
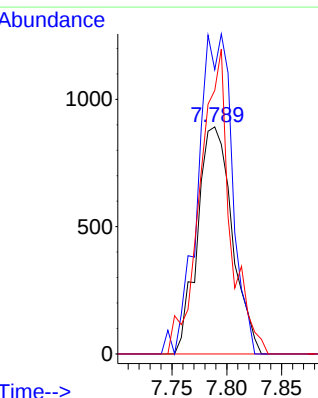
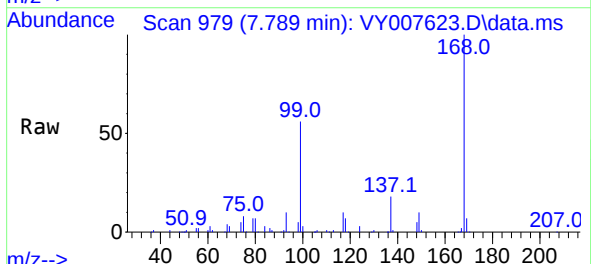
RT: 7.789 min Scan# 979

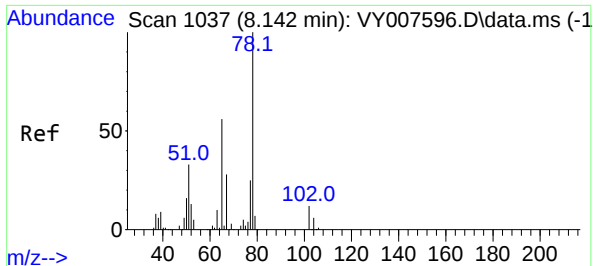
Delta R.T. 0.006 min

Lab File: VY007623.D

Acq: 24 Feb 2022 17:27

Tgt Ion:	56	Resp:	1966
Ion	Ratio	Lower	Upper
56	100		
69	125.2	26.7	40.1#
84	116.0	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 51.062 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY007623.D

Acq: 24 Feb 2022 17:27

Instrument :

MSVOA_Y

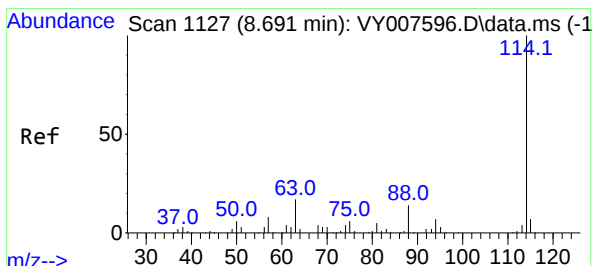
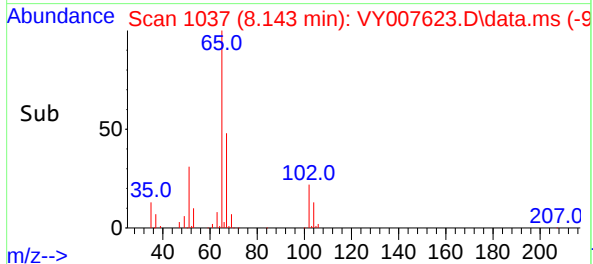
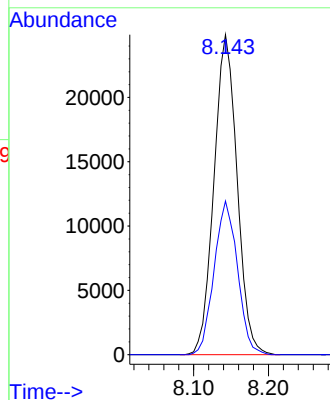
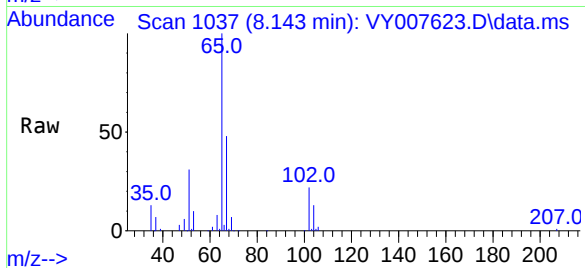
ClientSampleId :

Tgt Ion: 65 Resp: 53527

Ion Ratio Lower Upper

65 100

67 48.5 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: VY007623.D

Acq: 24 Feb 2022 17:27

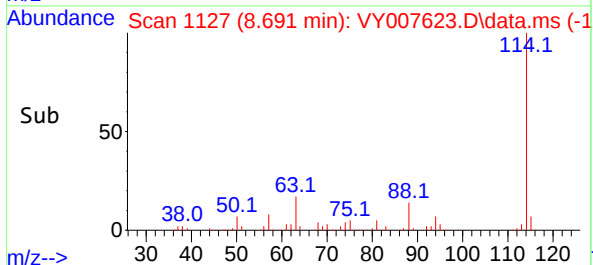
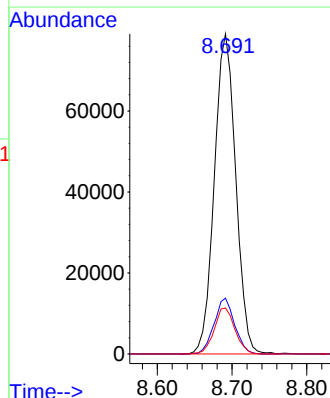
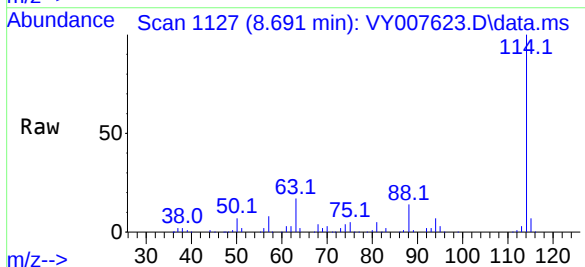
Tgt Ion:114 Resp: 156959

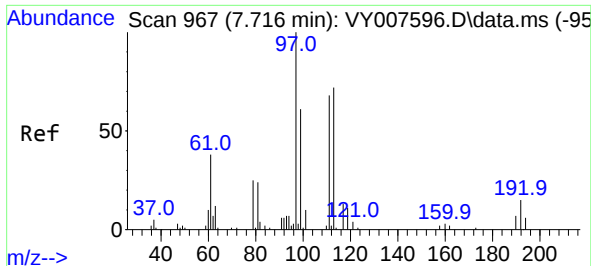
Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

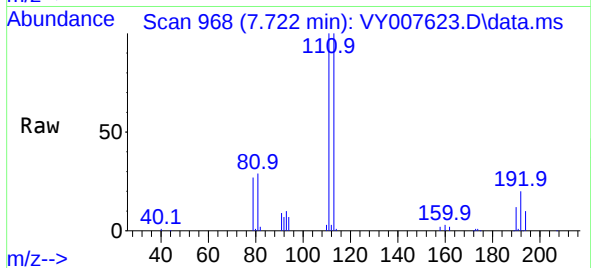
88 14.4 0.0 31.8



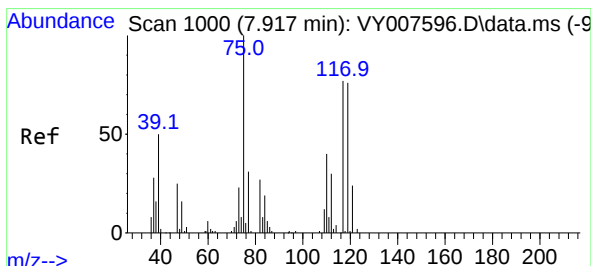
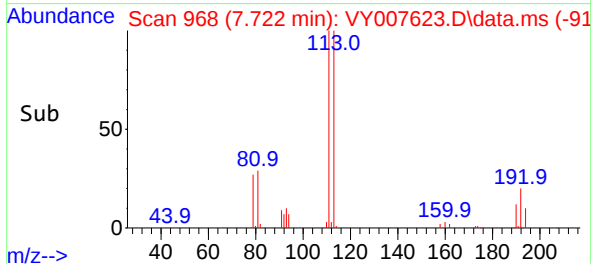
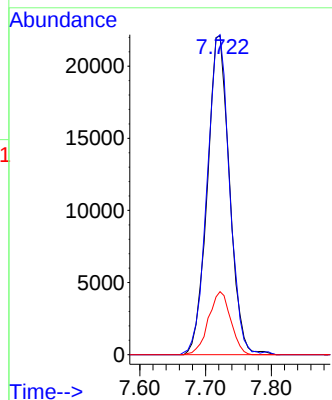


#35
Dibromofluoromethane
Concen: 52.301 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :

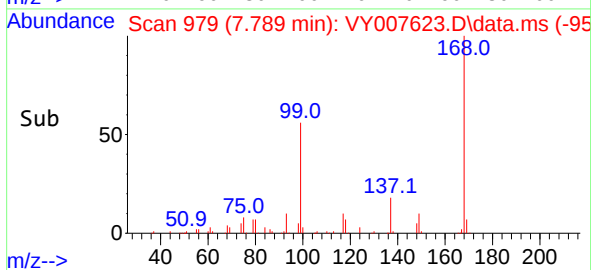
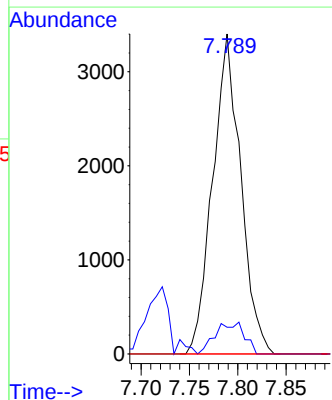
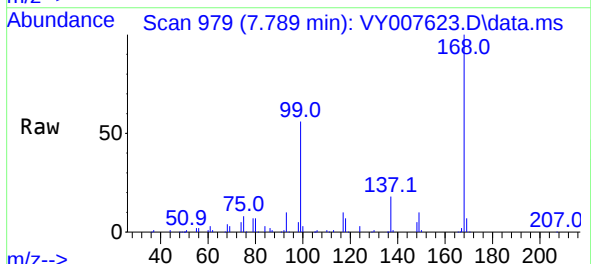


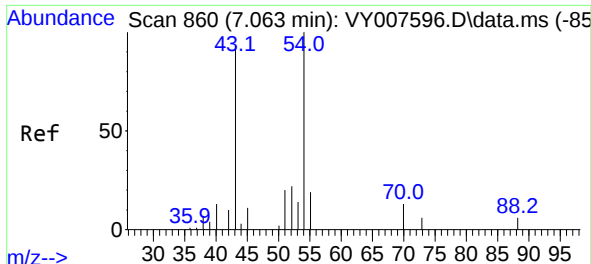
Tgt Ion:113 Resp: 51798
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.798 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

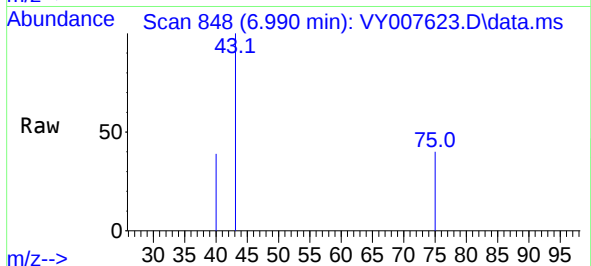
Tgt Ion: 75 Resp: 6848
Ion Ratio Lower Upper
75 100
110 10.3 17.1 51.2#
77 0.0 24.4 36.6#



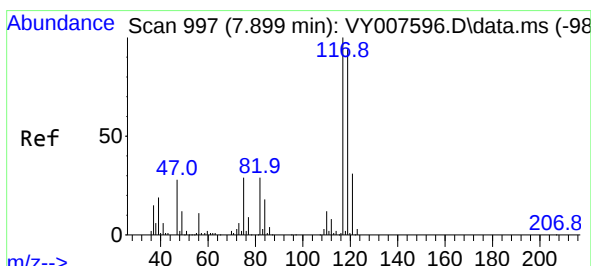
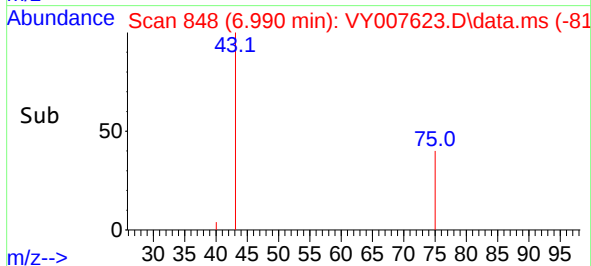
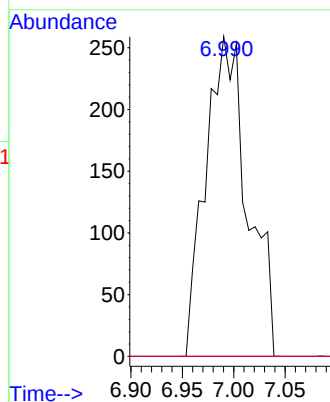


#37
Ethyl Acetate
Concen: 1.147 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.073 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :

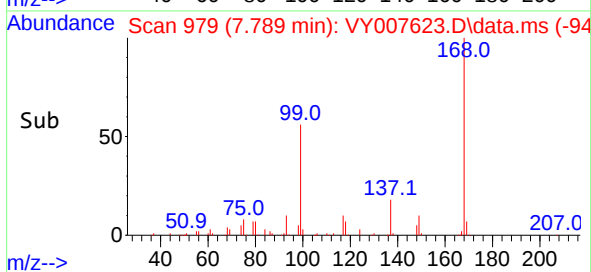
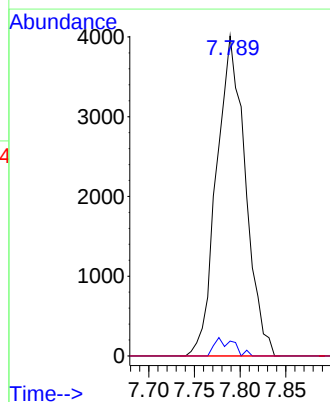
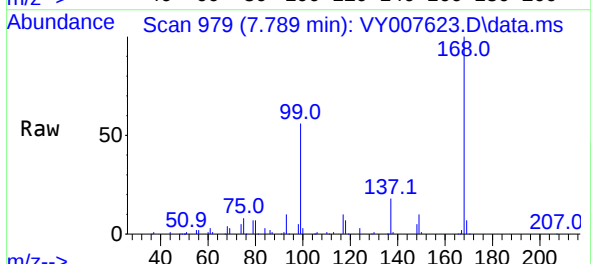


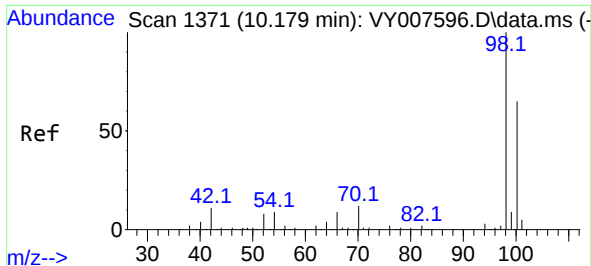
Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.217 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Tgt Ion: 117 Resp: 8814
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#

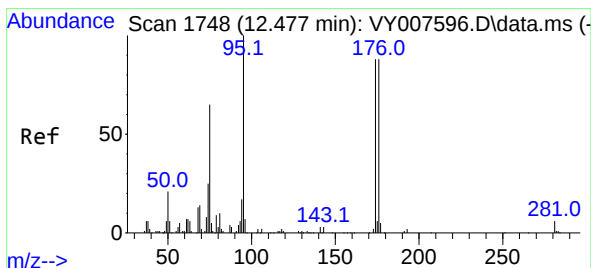
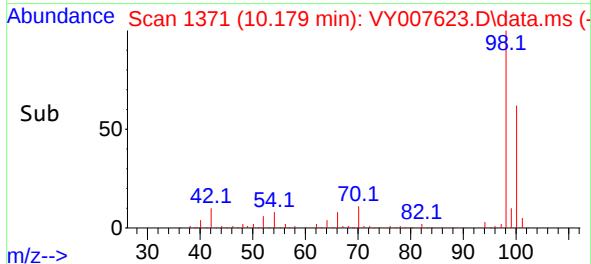
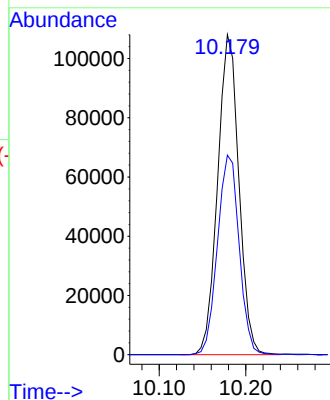
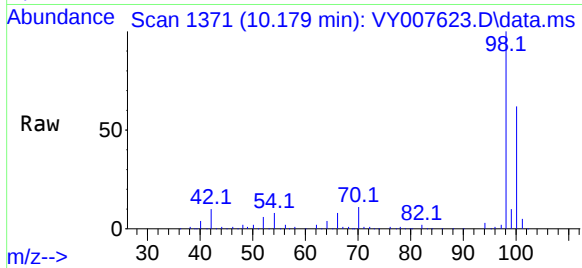




#50
Toluene-d8
Concen: 50.206 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

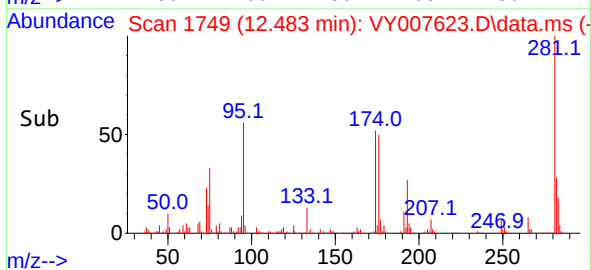
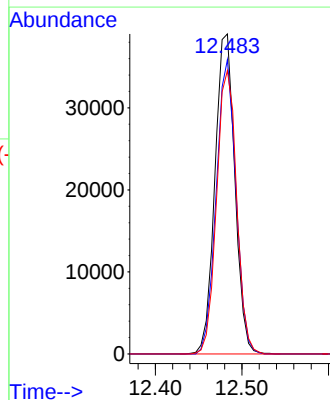
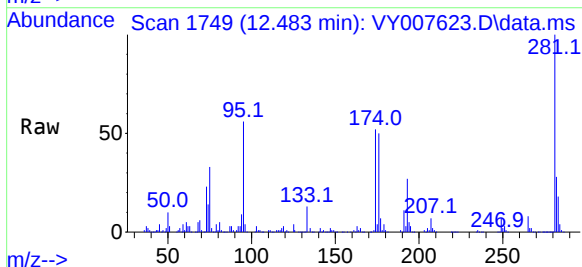
Instrument :
MSVOA_Y
ClientSampleId :

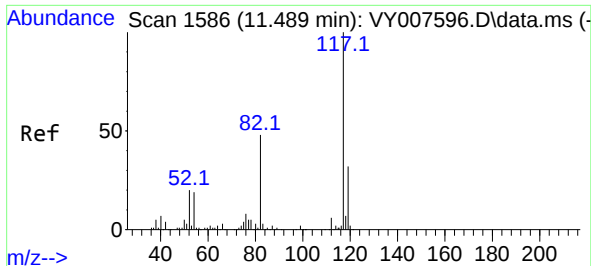
Tgt Ion: 98 Resp: 184030
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 49.760 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

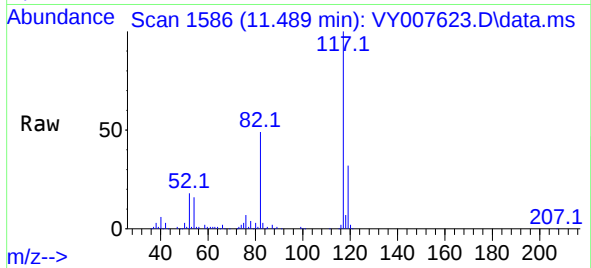
Tgt Ion: 95 Resp: 62314
Ion Ratio Lower Upper
95 100
174 90.7 0.0 177.0
176 88.7 0.0 175.8



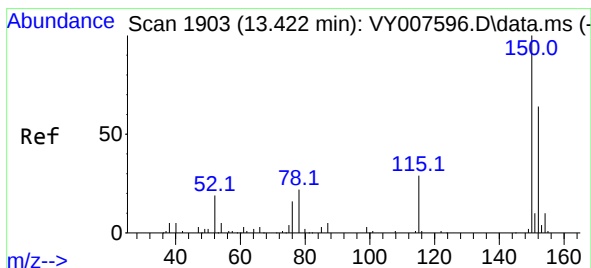
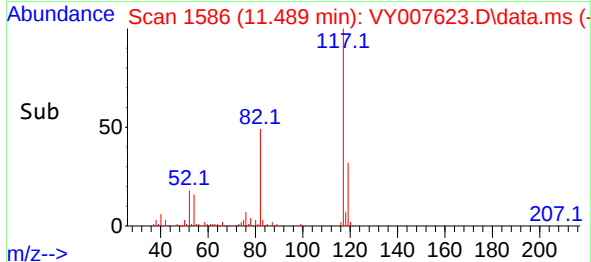
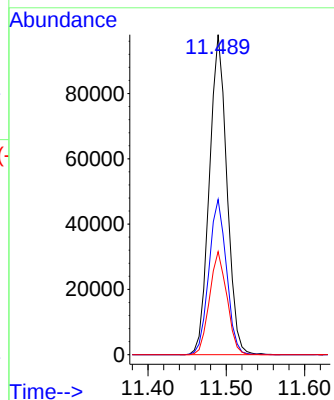


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :

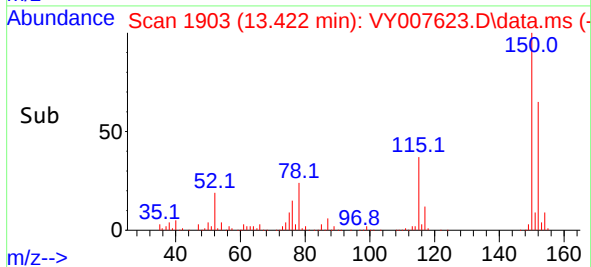
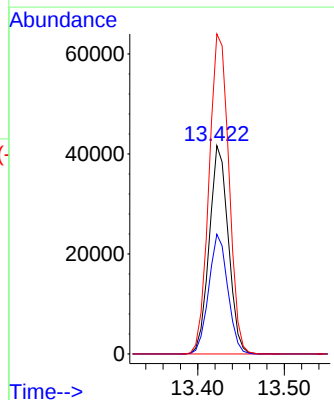
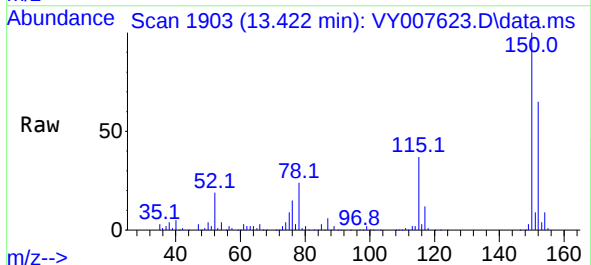


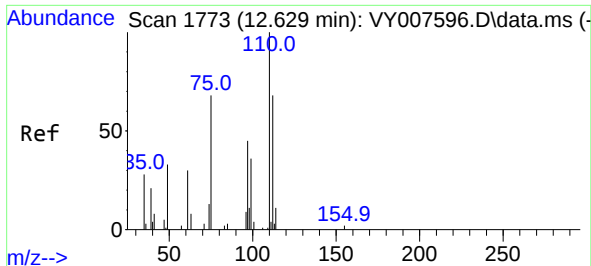
Tgt Ion:117 Resp: 152112
Ion Ratio Lower Upper
117 100
82 48.5 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Tgt Ion:152 Resp: 63552
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 160.1 0.0 347.6

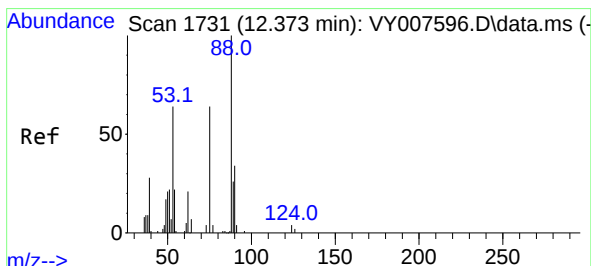
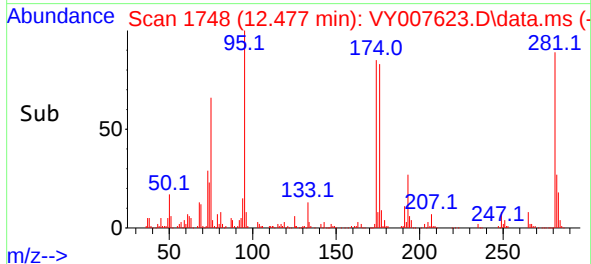
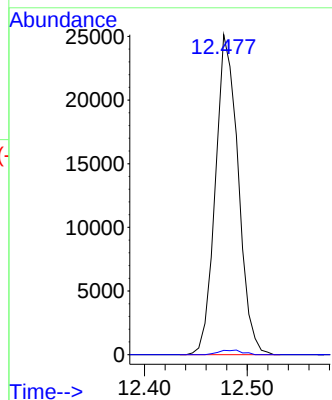
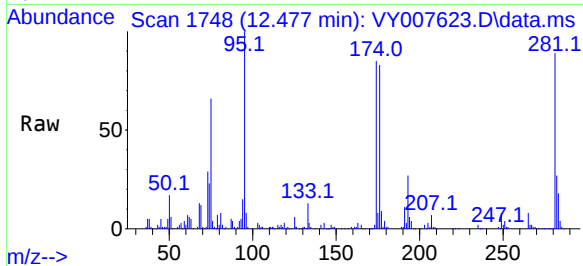




#76
1,2,3-Trichloropropane
Concen: 60.833 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 38666
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.800 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY007623.D
Acq: 24 Feb 2022 17:27

Tgt Ion: 75 Resp: 38666
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 2.5 37.0 55.4#

