

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
 Data File : VY010699.D
 Acq On : 27 Sep 2022 15:37
 Operator : KP/MD
 Sample : N4751-07
 Misc : 6.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 01:26:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

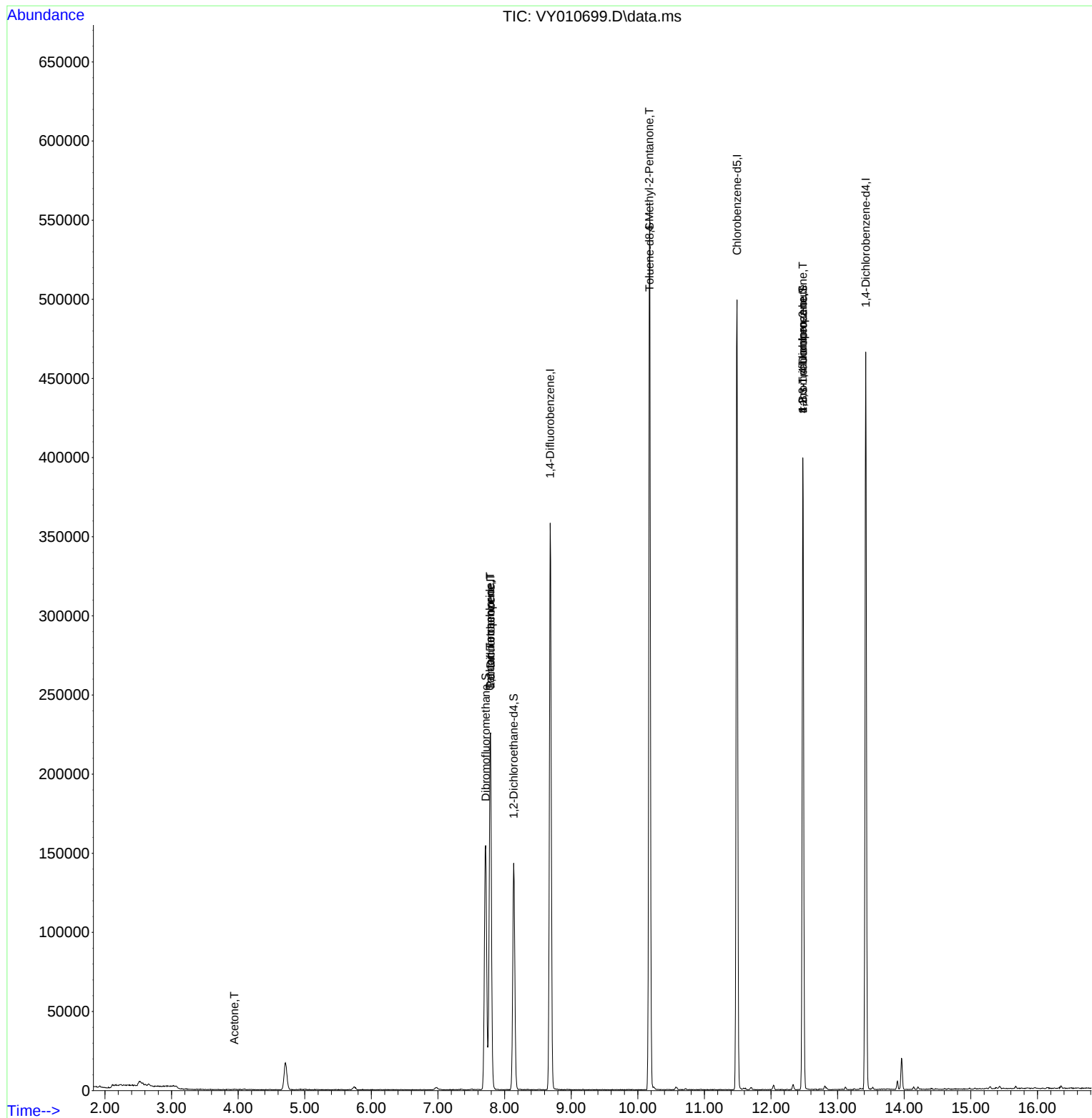
Internal Standards						
1) Pentafluorobenzene	7.789	168	178175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	303557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	271311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110371	64.764	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.520%	
35) Dibromofluoromethane	7.716	113	110576	57.077	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.160%	
50) Toluene-d8	10.179	98	359050	50.139	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.280%	
62) 4-Bromofluorobenzene	12.477	95	116654	43.553	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.100%	
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	388	Below Cal		92
4) Vinyl Chloride	2.442	62	39	Below Cal	#	43
5) Bromomethane	2.650	94	269	Below Cal		95
11) Tert butyl alcohol	4.960	59	162	Below Cal	#	77
16) Acetone	3.942	43	622	1.790	ug/l #	87
17) Carbon Disulfide	4.198	76	164	Below Cal	#	75
18) Methyl Acetate	4.472	43	142	Below Cal	#	56
20) Methylene Chloride	4.710	84	12525	Below Cal		87
31) Cyclohexane	7.783	56	3701	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	13892	6.436	ug/l #	52
38) Carbon Tetrachloride	7.783	117	17358	6.994	ug/l #	17
51) 4-Methyl-2-Pentanone	10.173	43	1555	1.205	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	61172	54.727	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61172	121.682	ug/l #	7

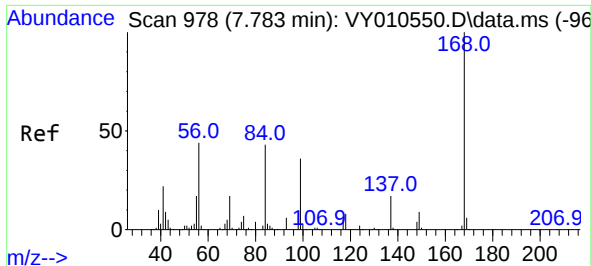
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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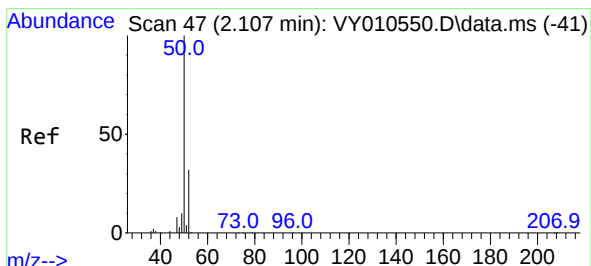
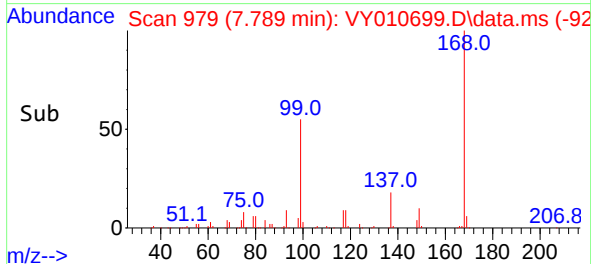
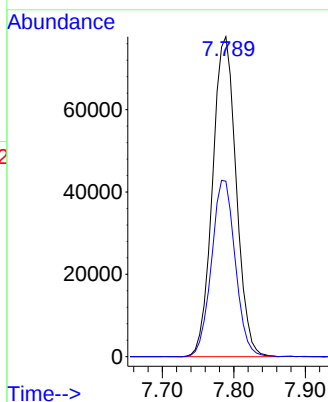
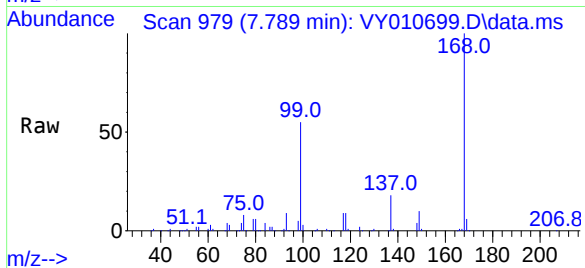




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

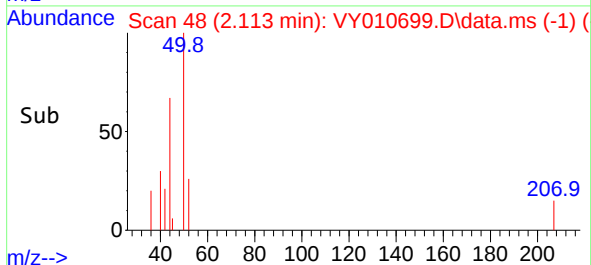
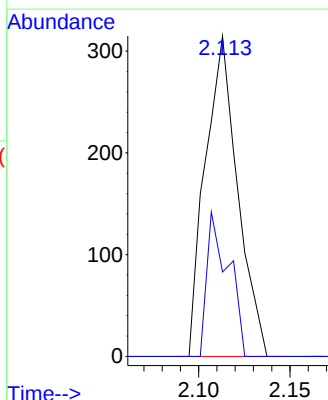
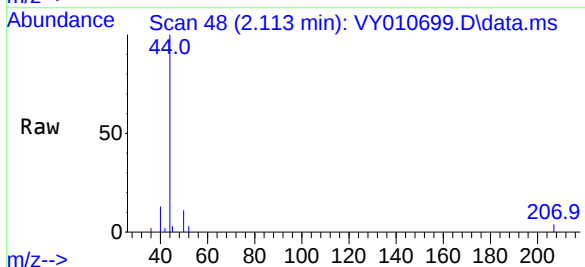
Instrument :
MSVOA_Y
ClientSampleId :

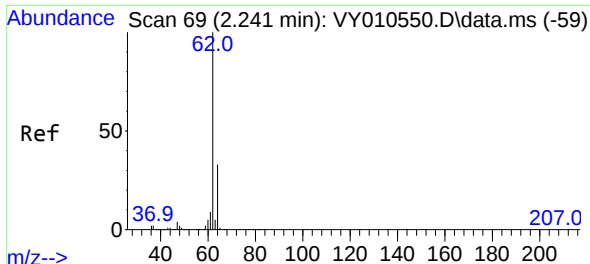
Tgt Ion:168 Resp: 178175
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

Tgt Ion: 50 Resp: 388
Ion Ratio Lower Upper
50 100
52 26.3 24.6 37.0

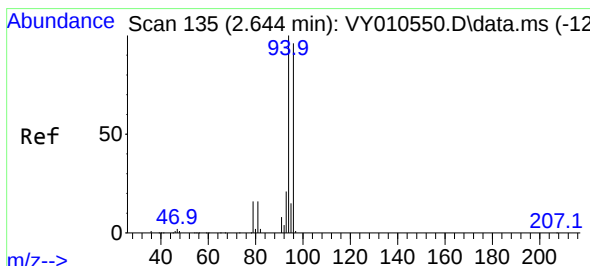
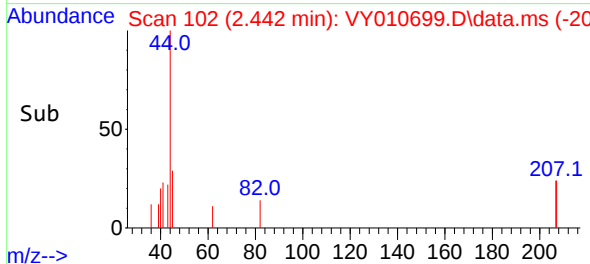
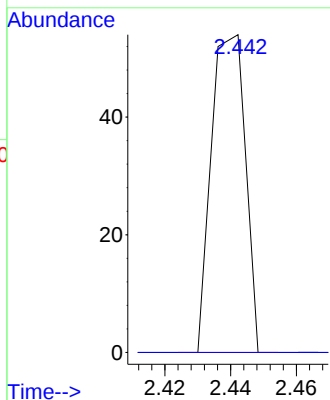
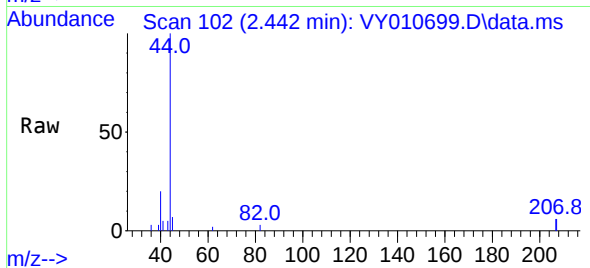




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.442 min Scan# 102
 Delta R.T. 0.201 min
 Lab File: VY010699.D
 Acq: 27 Sep 2022 15:37

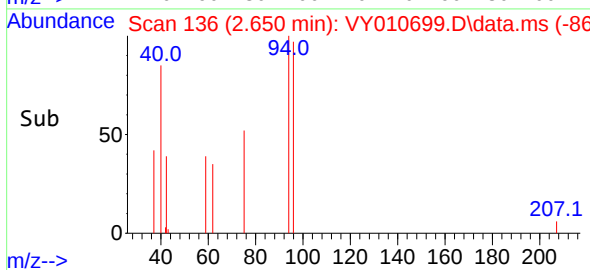
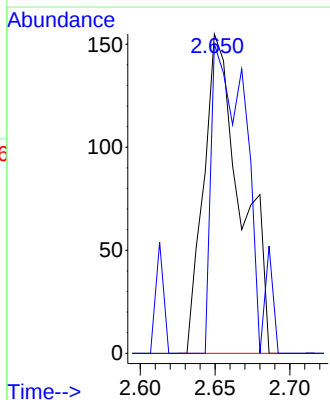
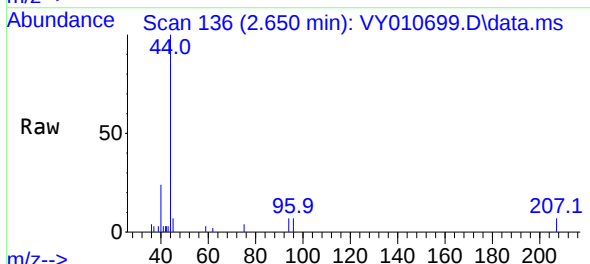
Instrument :
 MSVOA_Y
 ClientSampleId :

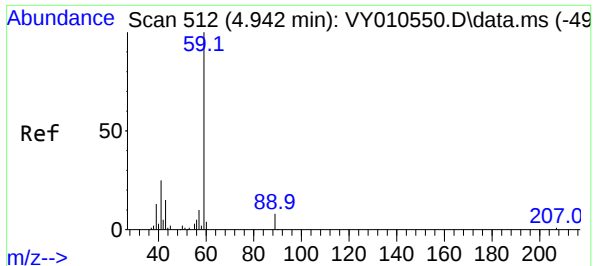
Tgt Ion: 62 Resp: 39
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.650 min Scan# 136
 Delta R.T. 0.006 min
 Lab File: VY010699.D
 Acq: 27 Sep 2022 15:37

Tgt Ion: 94 Resp: 269
 Ion Ratio Lower Upper
 94 100
 96 96.8 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.960 min Scan# 51

Delta R.T. 0.018 min

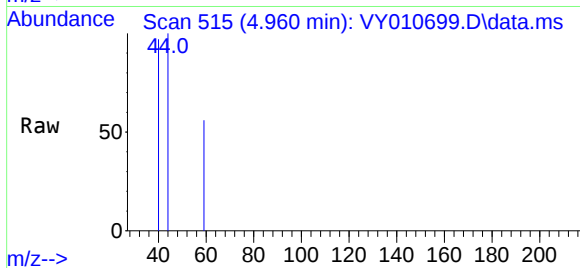
Lab File: VY010699.D

Acq: 27 Sep 2022 15:37

Instrument :

MSVOA_Y

ClientSampleId :

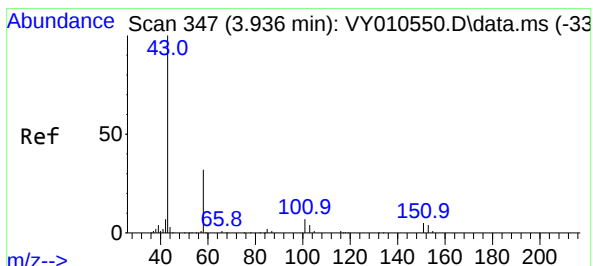
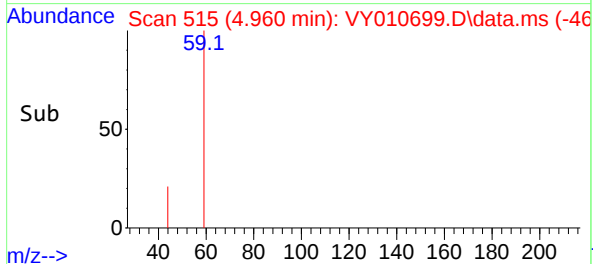
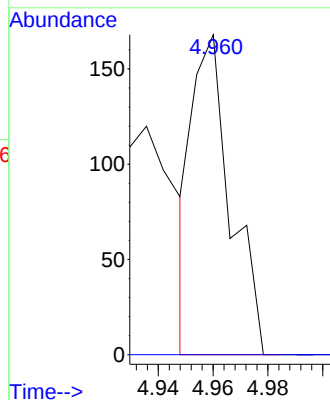


Tgt Ion: 59 Resp: 162

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.790 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY010699.D

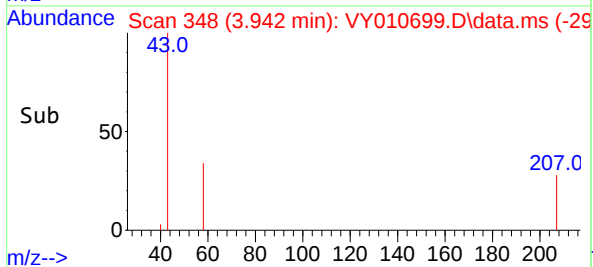
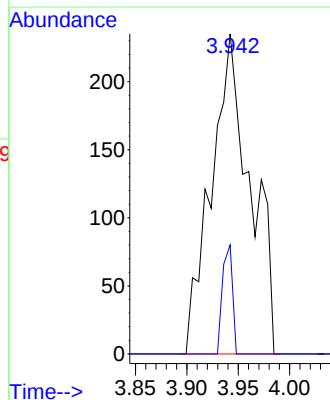
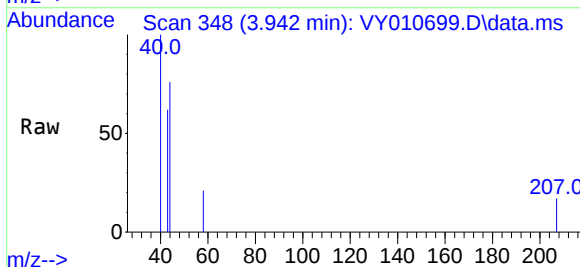
Acq: 27 Sep 2022 15:37

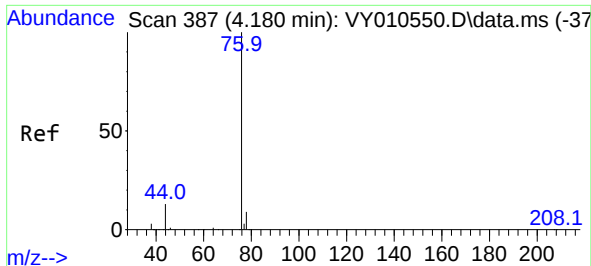
Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

58 34.0 22.0 33.0#

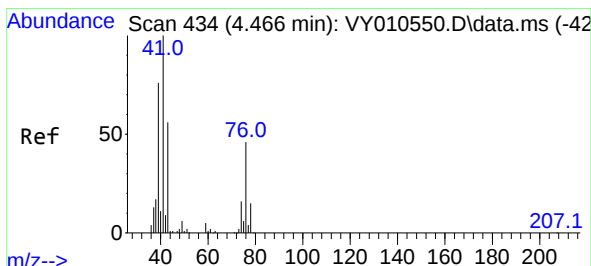
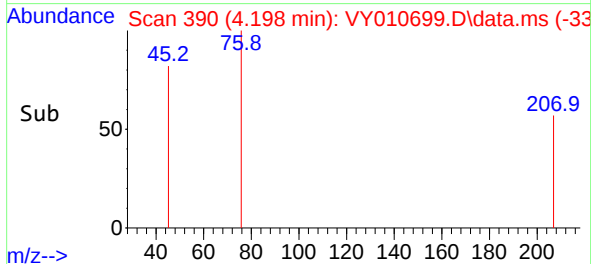
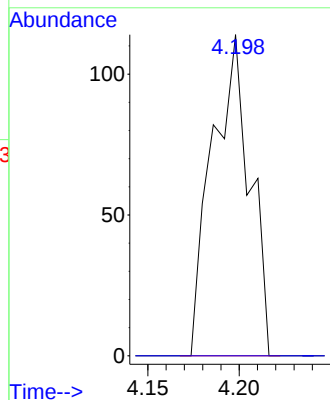
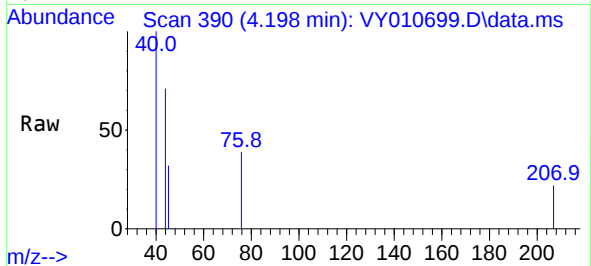




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.018 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

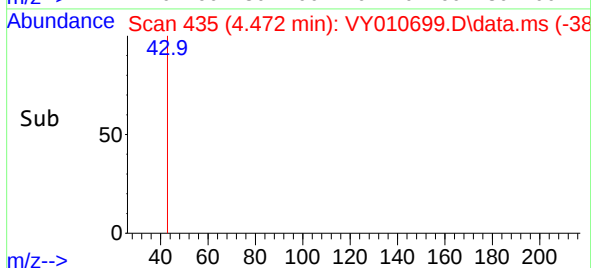
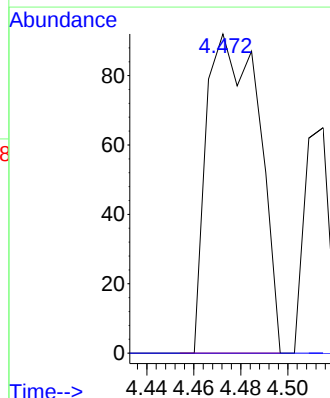
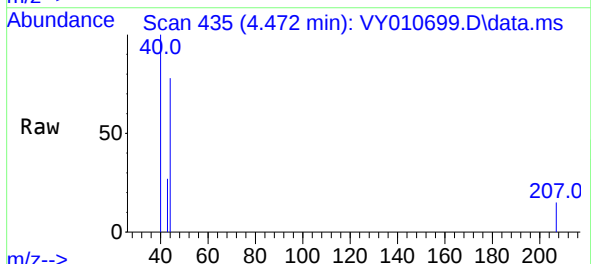
Instrument :
MSVOA_Y
ClientSampleId :

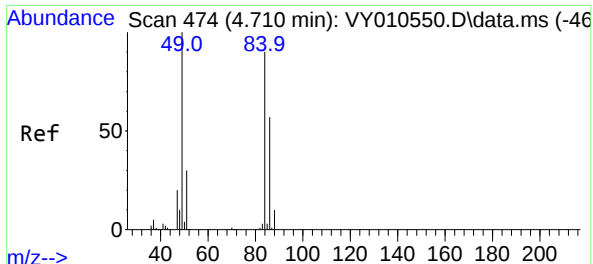
Tgt Ion: 76 Resp: 164
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. 0.006 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

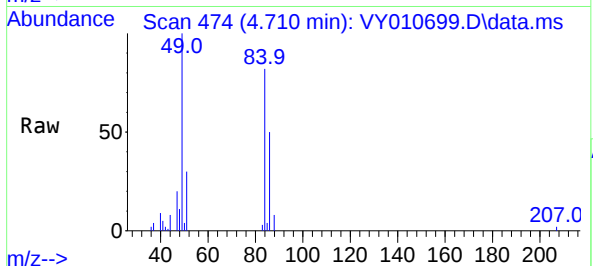
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





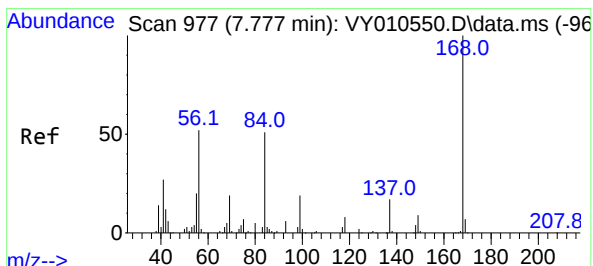
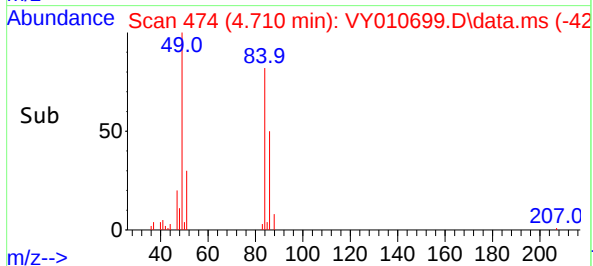
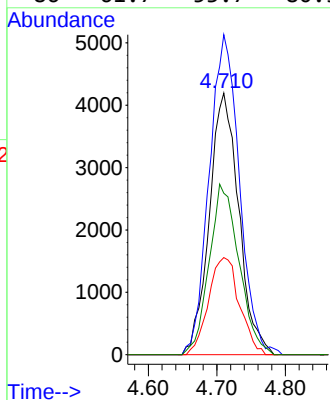
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 12525

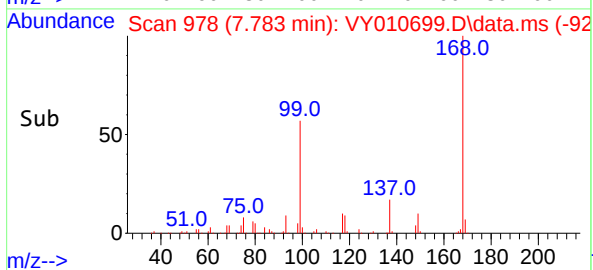
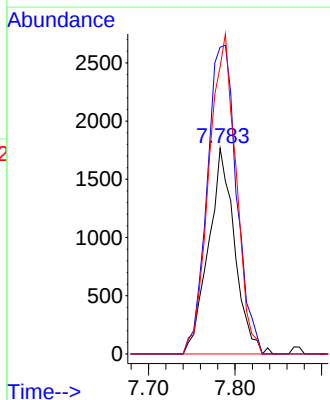
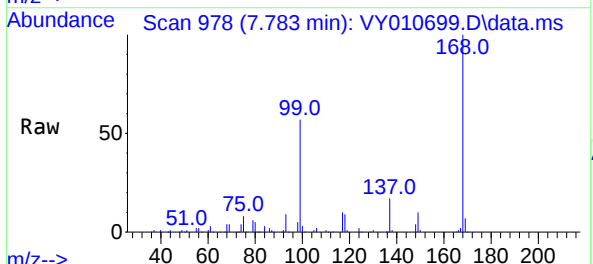
Ion	Ratio	Lower	Upper
84	100		
49	122.3	114.4	171.6
51	37.1	35.3	52.9
86	61.7	53.7	80.5

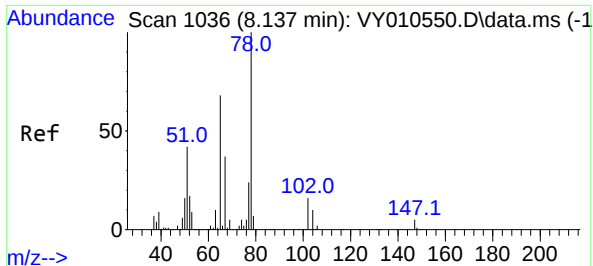


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

Tgt Ion: 56 Resp: 3701

Ion	Ratio	Lower	Upper
56	100		
69	149.1	26.7	40.1#
84	139.5	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 64.764 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY010699.D

Acq: 27 Sep 2022 15:37

Instrument :

MSVOA_Y

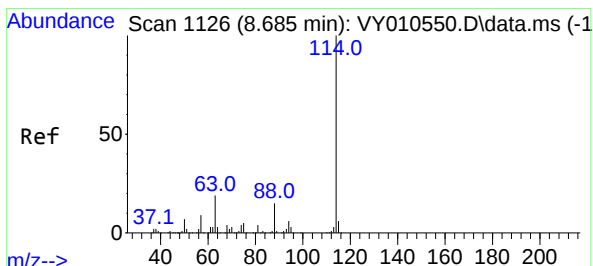
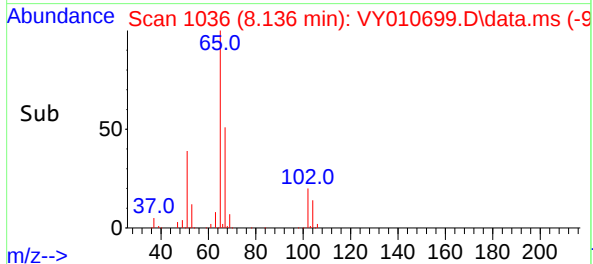
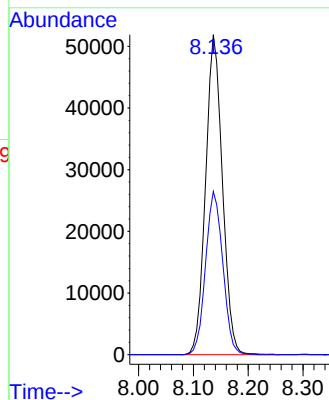
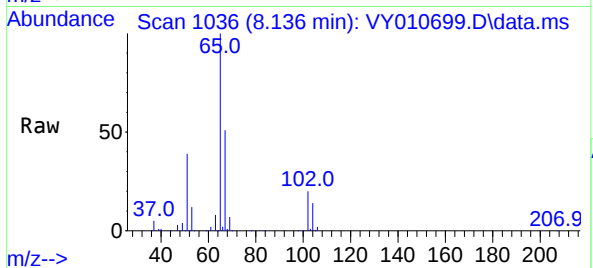
ClientSampleId :

Tgt Ion: 65 Resp: 110371

Ion Ratio Lower Upper

65 100

67 52.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010699.D

Acq: 27 Sep 2022 15:37

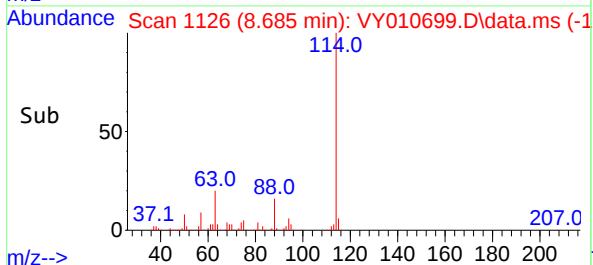
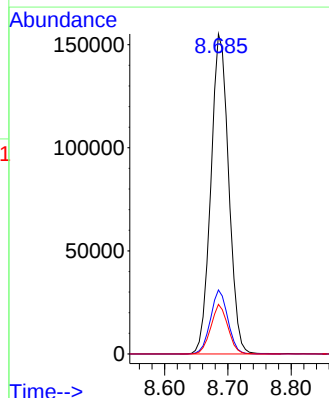
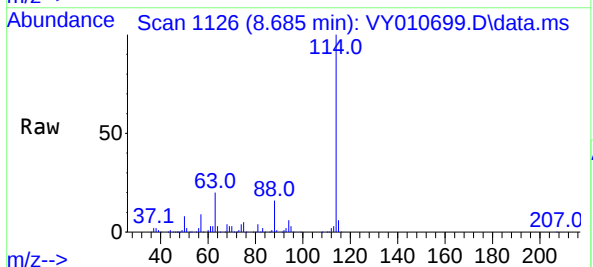
Tgt Ion:114 Resp: 303557

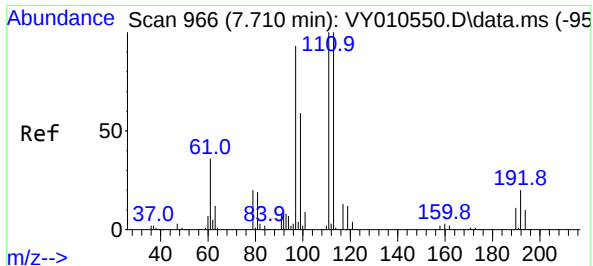
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 57.077 ug/l

RT: 7.716 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY010699.D

Acq: 27 Sep 2022 15:37

Instrument :

MSVOA_Y

ClientSampleId :

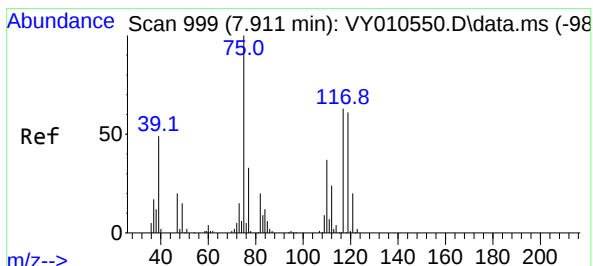
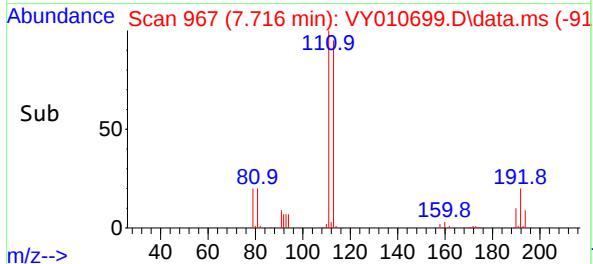
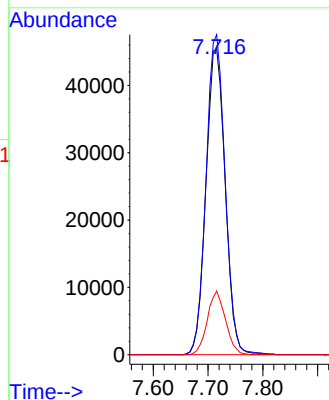
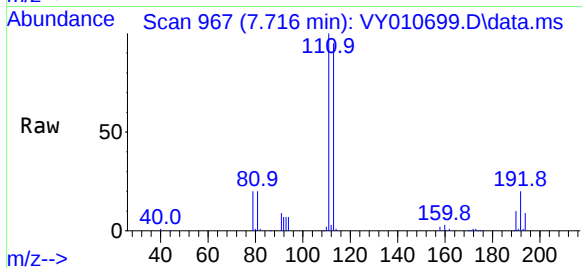
Tgt Ion:113 Resp: 110576

Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 19.6 17.6 26.4



#36

1,1-Dichloropropene

Concen: 6.436 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.122 min

Lab File: VY010699.D

Acq: 27 Sep 2022 15:37

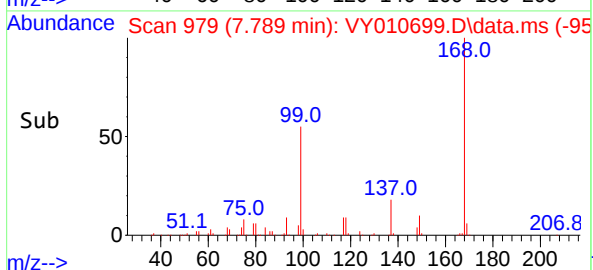
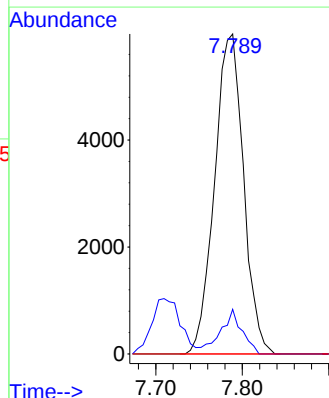
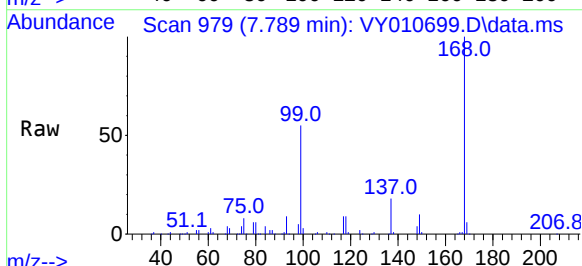
Tgt Ion: 75 Resp: 13892

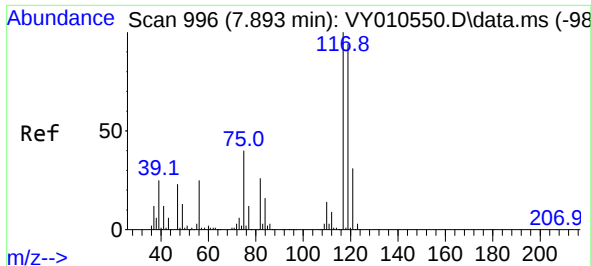
Ion Ratio Lower Upper

75 100

110 10.2 17.1 51.2#

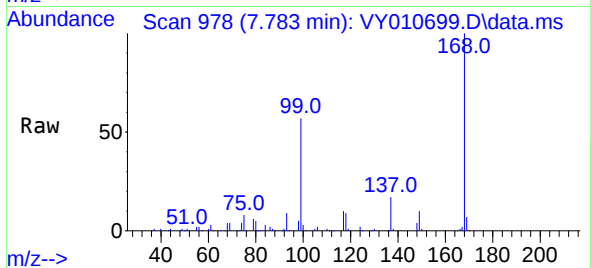
77 0.0 24.4 36.6#



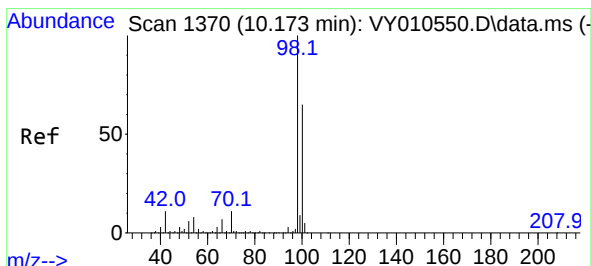
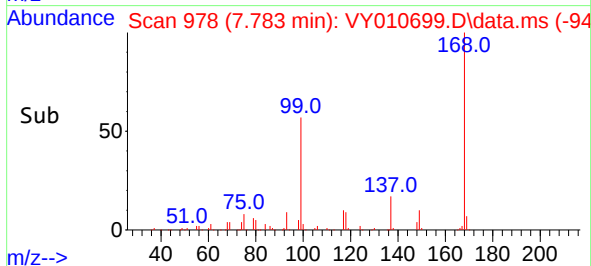
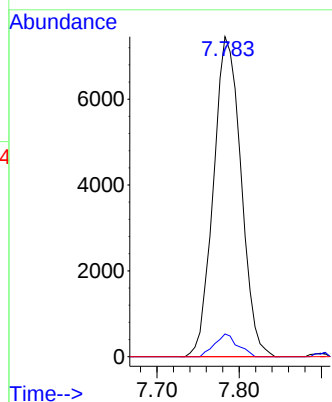


#38
Carbon Tetrachloride
Concen: 6.994 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

Instrument :
MSVOA_Y
ClientSampleId :

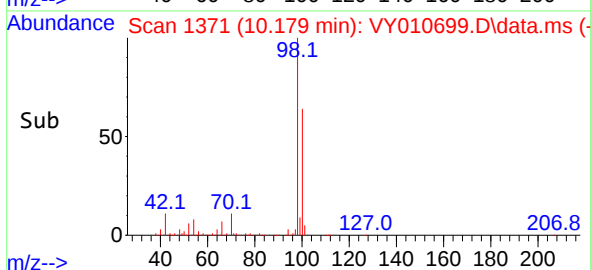
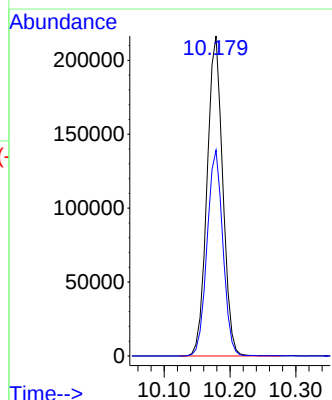
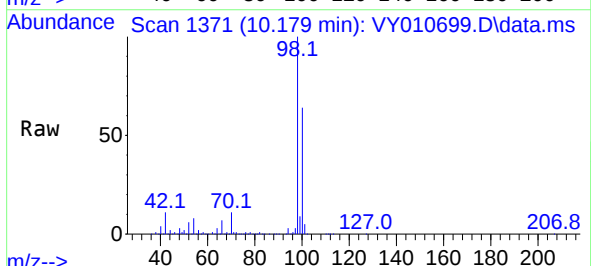


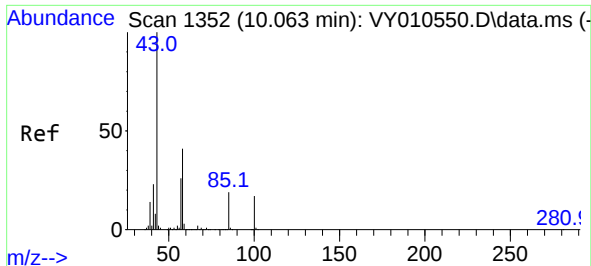
Tgt Ion:117 Resp: 17358
Ion Ratio Lower Upper
117 100
119 7.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.139 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

Tgt Ion: 98 Resp: 359050
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

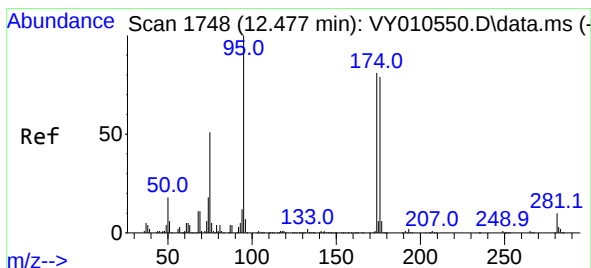
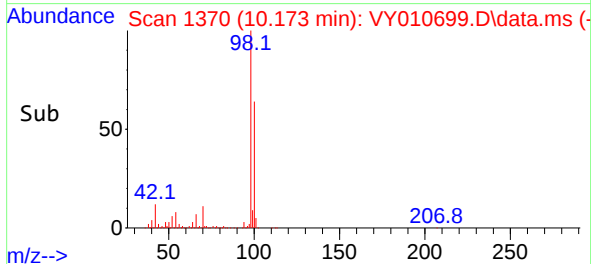
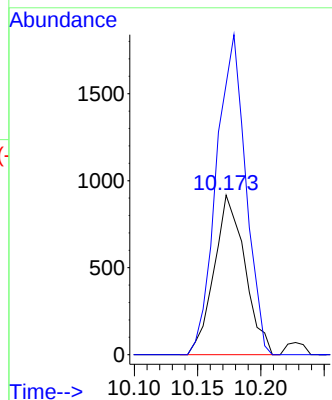
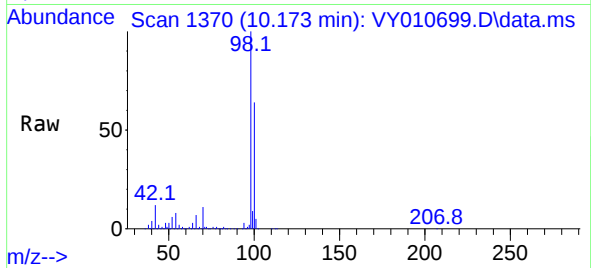




#51
4-Methyl-2-Pentanone
Concen: 1.205 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

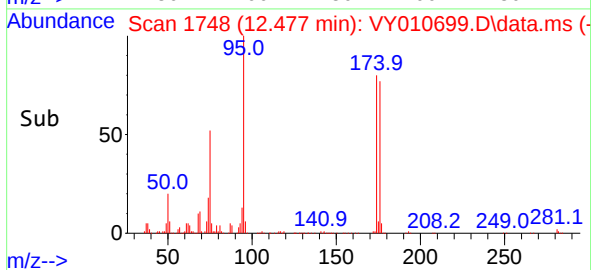
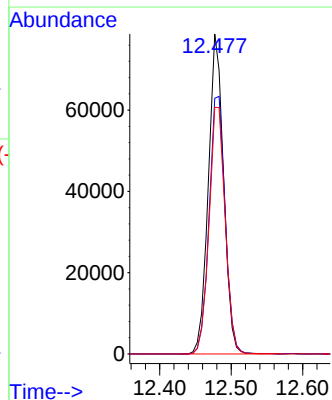
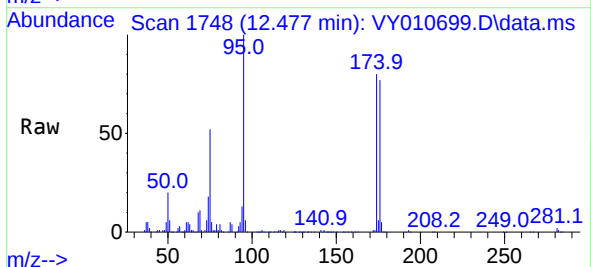
Instrument :
MSVOA_Y
ClientSampleId :

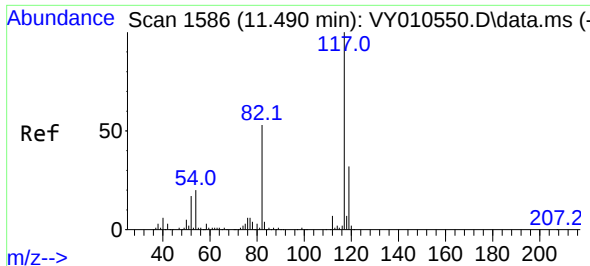
Tgt Ion: 43 Resp: 1555
Ion Ratio Lower Upper
43 100
58 191.3 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 43.553 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

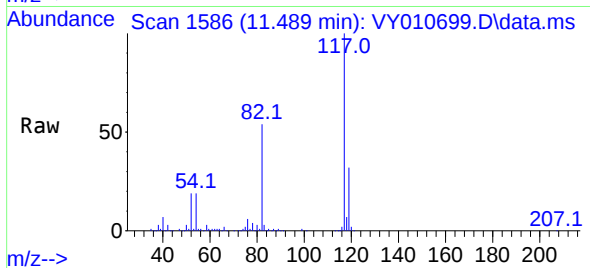
Tgt Ion: 95 Resp: 116654
Ion Ratio Lower Upper
95 100
174 85.0 0.0 177.0
176 81.4 0.0 175.8



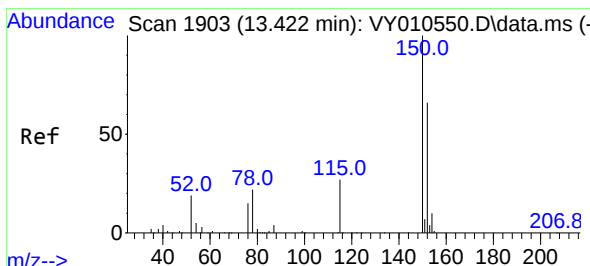
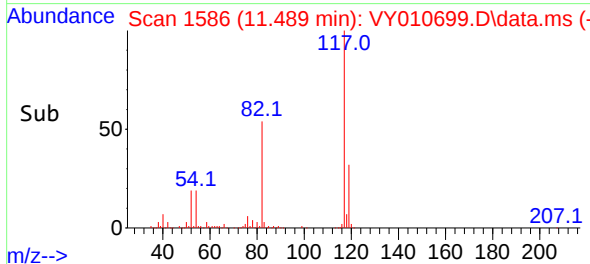
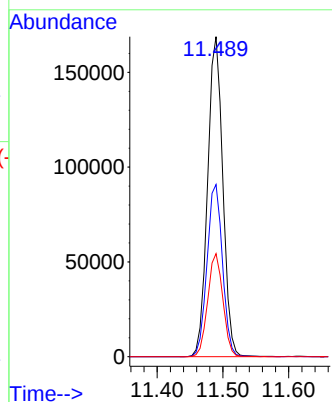


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

Instrument :
MSVOA_Y
ClientSampleId :

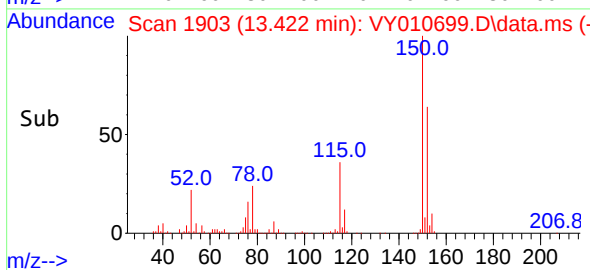
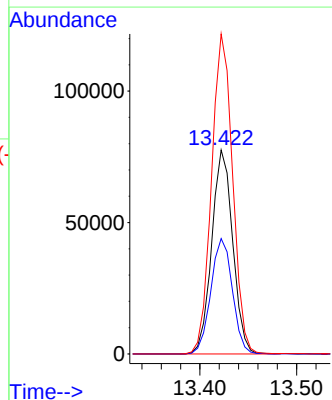
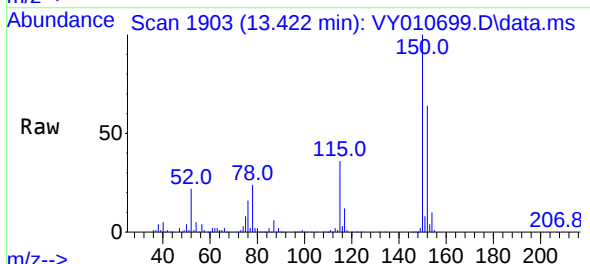


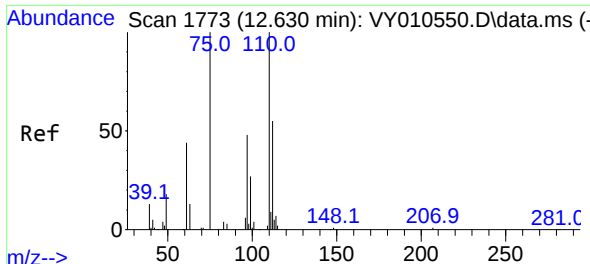
Tgt Ion:117 Resp: 271311
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

Tgt Ion:152 Resp: 117113
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 157.7 0.0 347.6

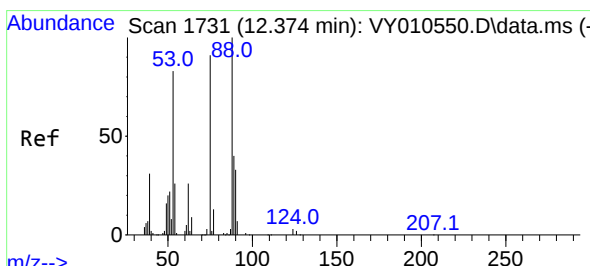
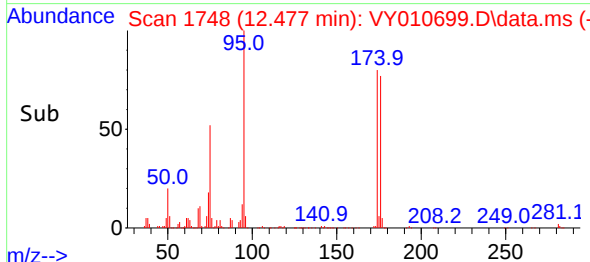
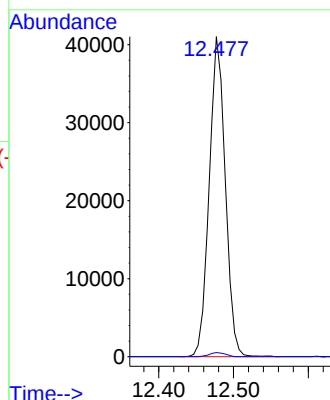
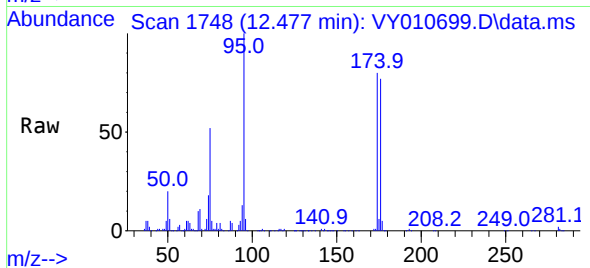




#76
1,2,3-Trichloropropane
Concen: 54.727 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 61172
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.682 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010699.D
Acq: 27 Sep 2022 15:37

Tgt Ion: 75 Resp: 61172
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

