

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011968.D
 Acq On : 22 Dec 2022 12:41
 Operator : KP/MD
 Sample : N6051-01
 Misc : 7.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-591

Quant Time: Dec 23 04:31:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

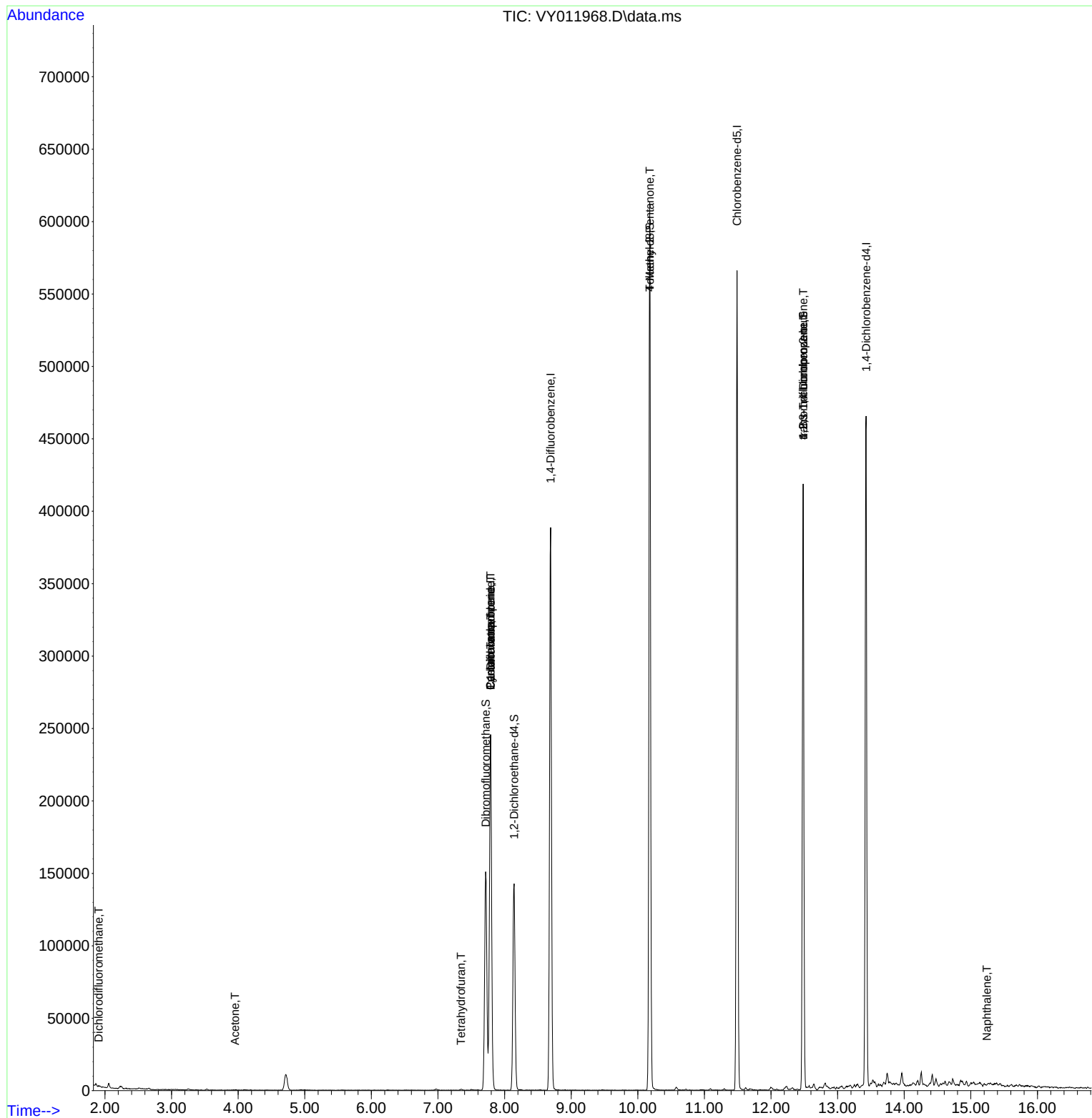
Internal Standards						
1) Pentafluorobenzene	7.789	168	190078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	337787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	305347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	117276	61.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.480%	
35) Dibromofluoromethane	7.716	113	104551	51.412	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.820%	
50) Toluene-d8	10.179	98	402594	48.795	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.600%	
62) 4-Bromofluorobenzene	12.483	95	121701	43.858	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	73	2.513	ug/l #	41
11) Tert butyl alcohol	4.936	59	156	Below Cal	#	74
16) Acetone	3.954	43	425	5.603	ug/l #	40
20) Methylene Chloride	4.710	84	8663	Below Cal		95
29) Tetrahydrofuran	7.344	42	364	1.007	ug/l #	85
31) Cyclohexane	7.789	56	3765	1.168	ug/l #	31
36) 1,1-Dichloropropene	7.789	75	13739	4.212	ug/l #	50
38) Carbon Tetrachloride	7.789	117	18827	4.998	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	1471	1.032	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	64562	41.417	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	64562	113.422	ug/l #	13
95) Naphthalene	15.239	128	912	2.965	ug/l #	77

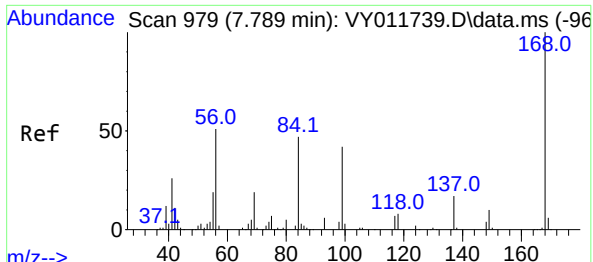
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SP-591

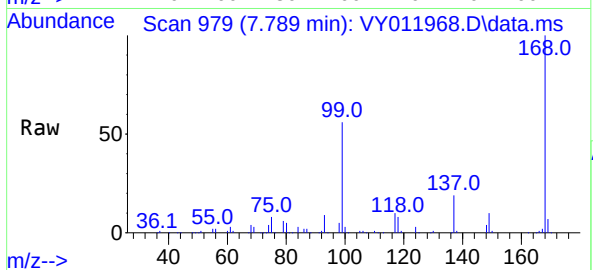
Quant Time: Dec 23 04:31:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration



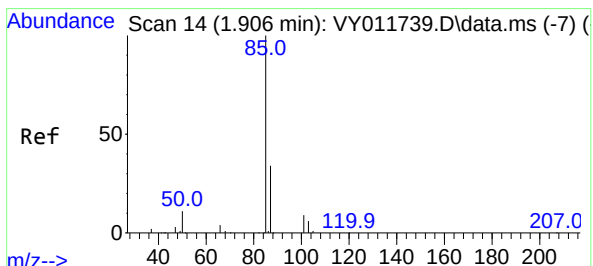
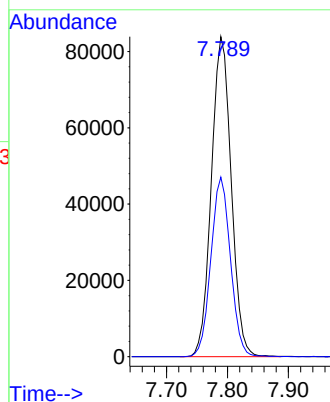
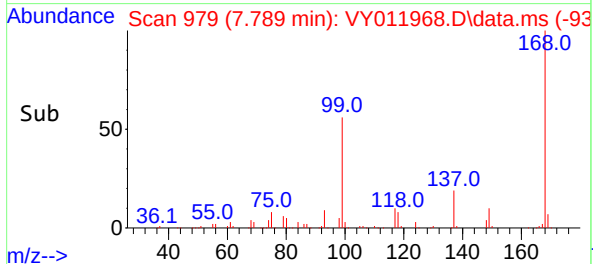


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Instrument :
MSVOA_Y
ClientSampleId :
SP-591

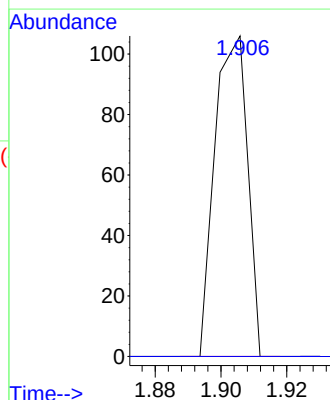
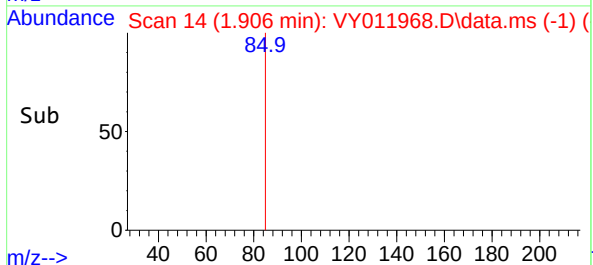
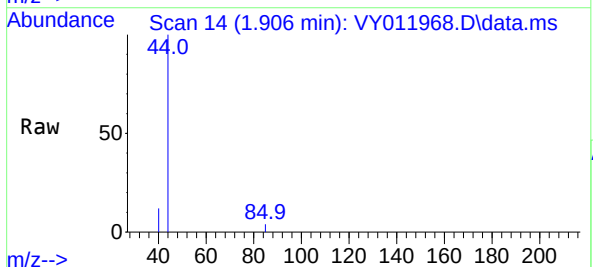


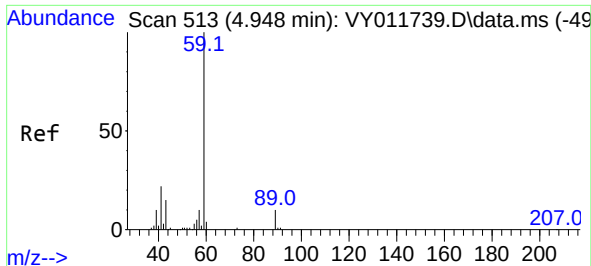
Tgt Ion:168 Resp: 190078
Ion Ratio Lower Upper
168 100
99 56.1 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.513 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Tgt Ion: 85 Resp: 73
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

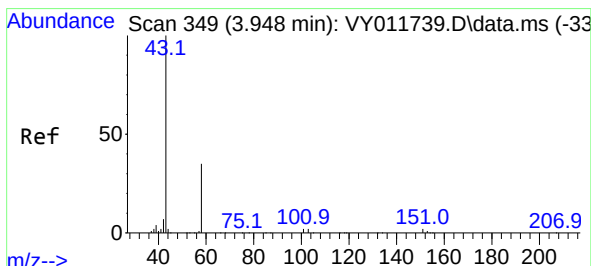
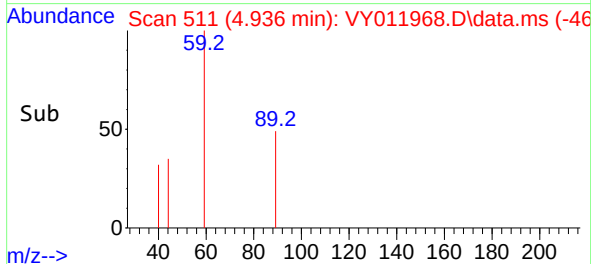
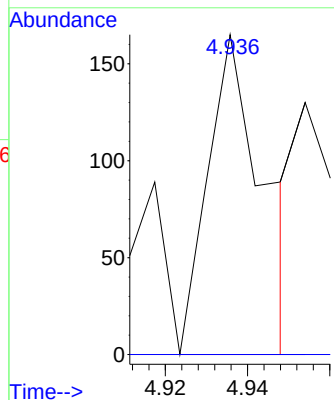
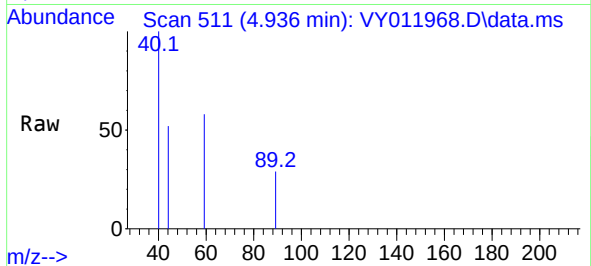




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

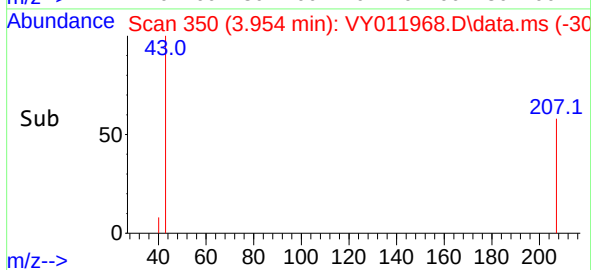
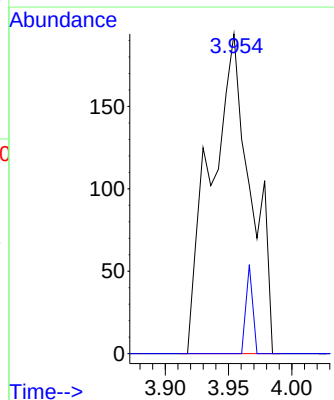
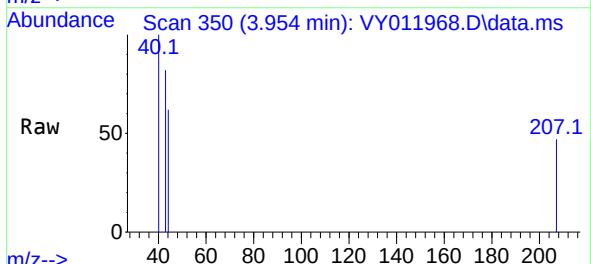
Instrument :
MSVOA_Y
ClientSampleId :
SP-591

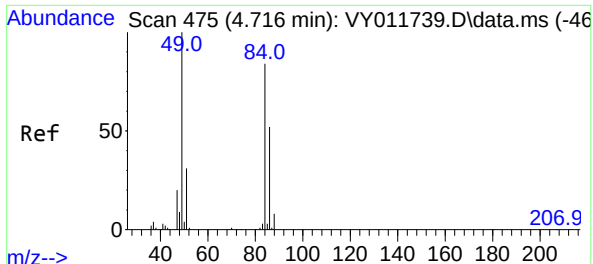
Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.603 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

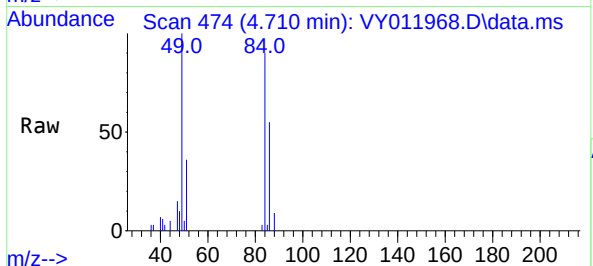
Tgt Ion: 43 Resp: 425
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#





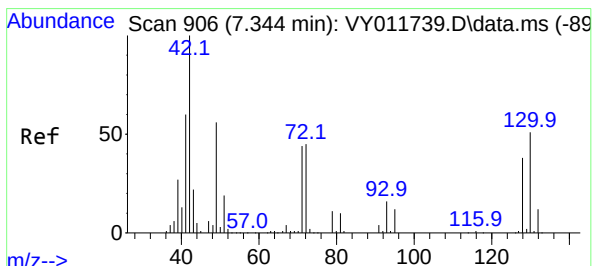
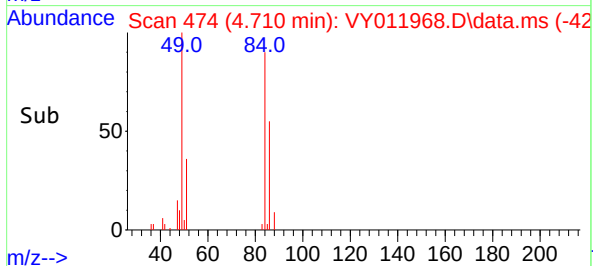
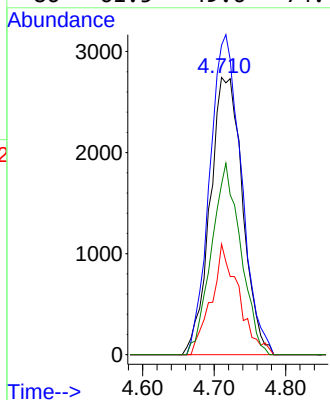
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Instrument :
MSVOA_Y
ClientSampleId :
SP-591



Tgt Ion: 84 Resp: 8663

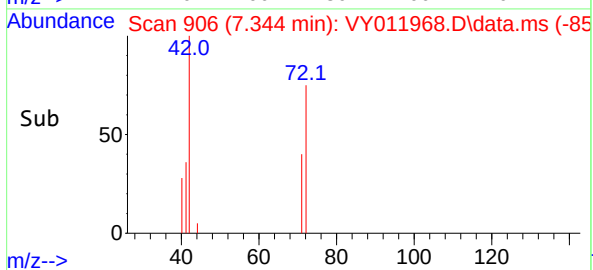
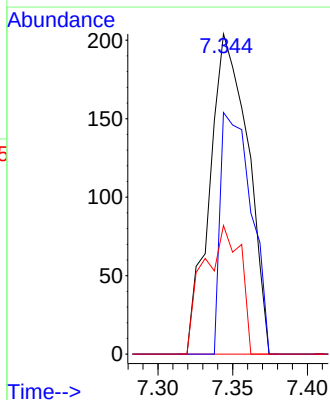
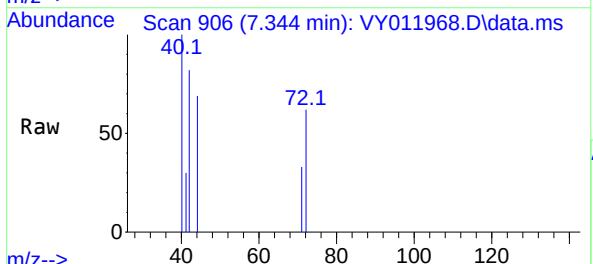
Ion	Ratio	Lower	Upper
84	100		
49	111.7	95.4	143.2
51	39.9	29.9	44.9
86	61.5	49.6	74.4

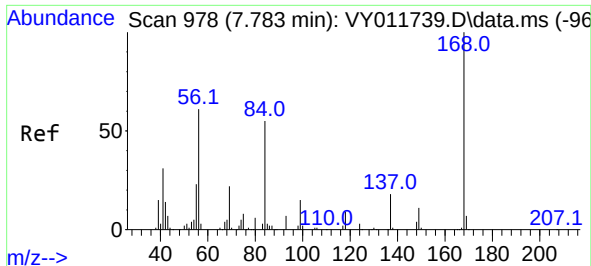


#29
Tetrahydrofuran
Concen: 1.007 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Tgt Ion: 42 Resp: 364

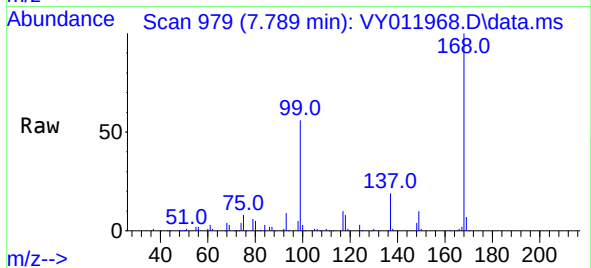
Ion	Ratio	Lower	Upper
42	100		
72	60.7	37.0	55.6
71	38.5	34.9	52.3



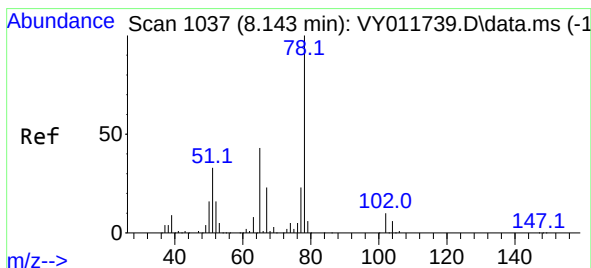
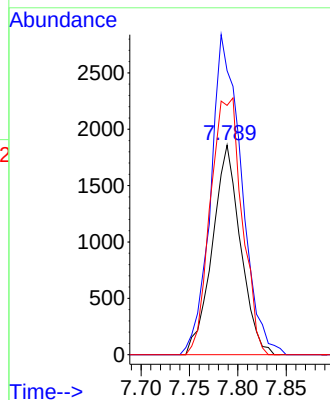
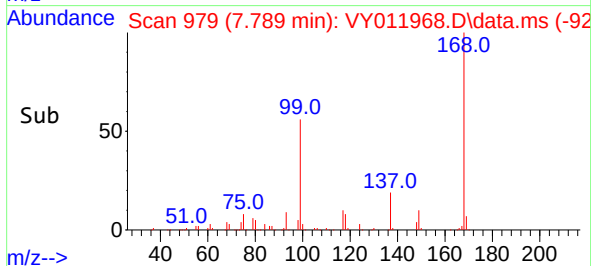


#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Instrument :
MSVOA_Y
ClientSampleId :
SP-591

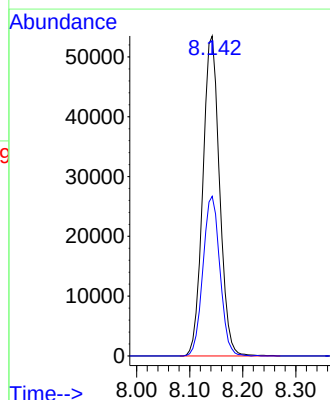
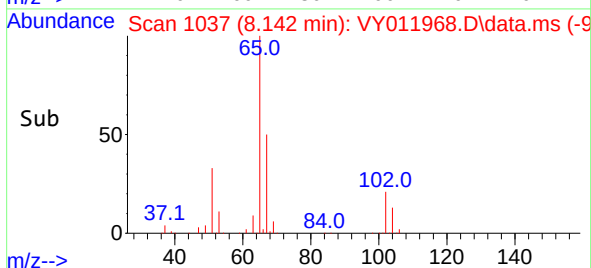
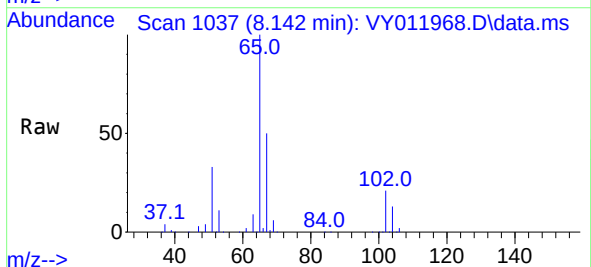


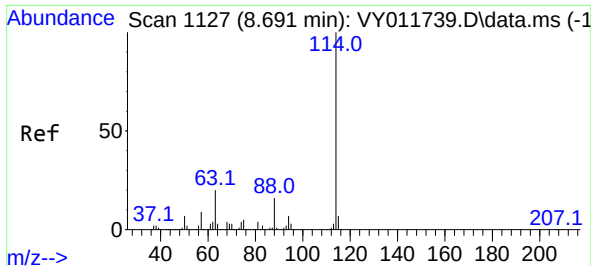
Tgt Ion: 56 Resp: 3765
Ion Ratio Lower Upper
56 100
69 135.4 29.2 43.8#
84 118.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 61.241 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Tgt Ion: 65 Resp: 117276
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011968.D

Acq: 22 Dec 2022 12:41

Instrument :

MSVOA_Y

ClientSampleId :

SP-591

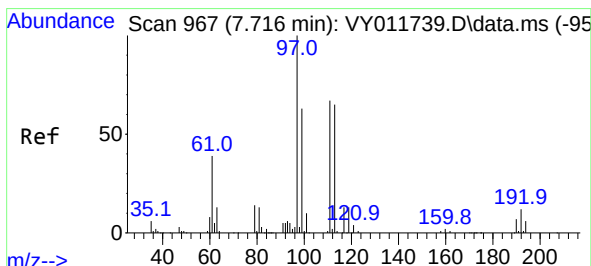
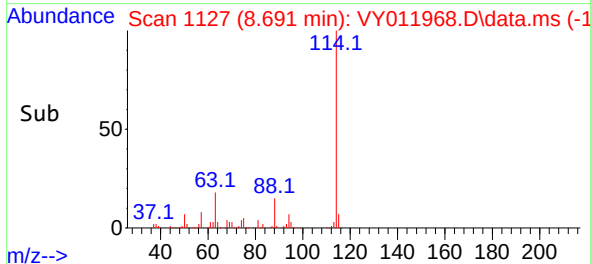
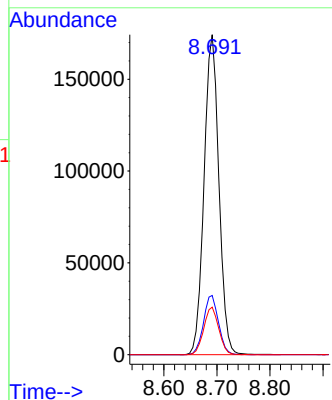
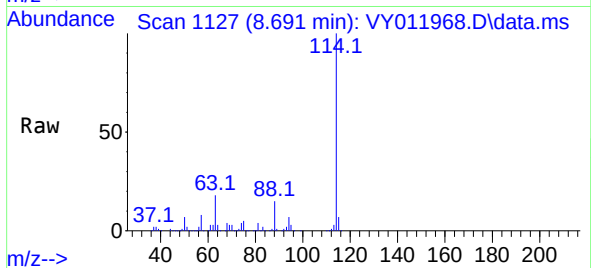
Tgt Ion:114 Resp: 337787

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.412 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011968.D

Acq: 22 Dec 2022 12:41

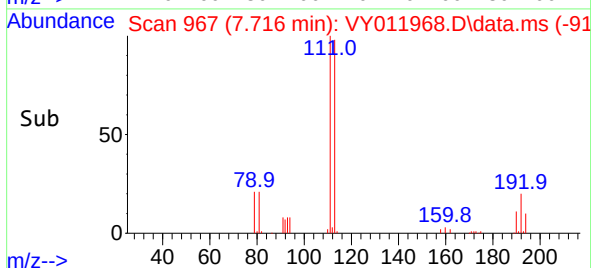
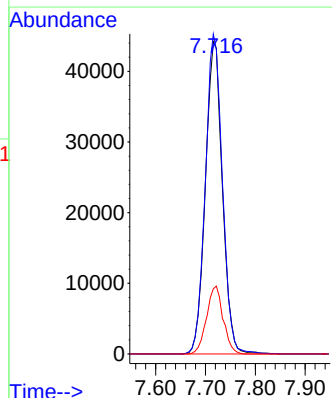
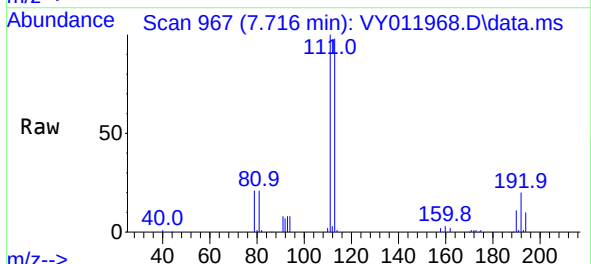
Tgt Ion:113 Resp: 104551

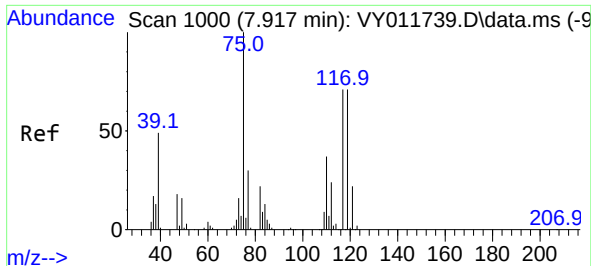
Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.4

192 21.1 16.0 24.0

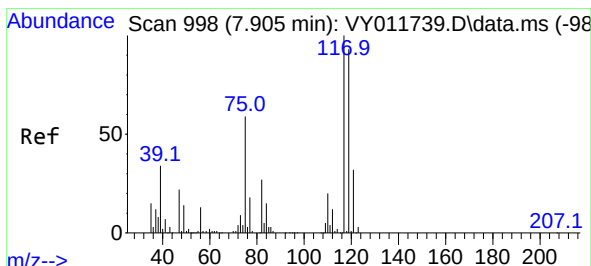
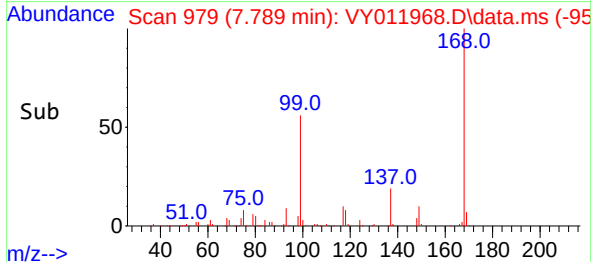
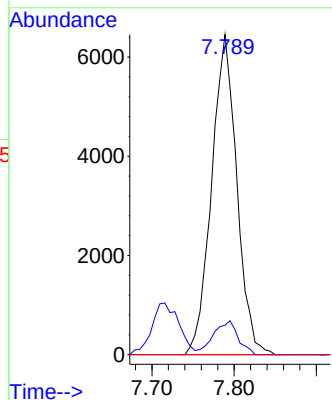
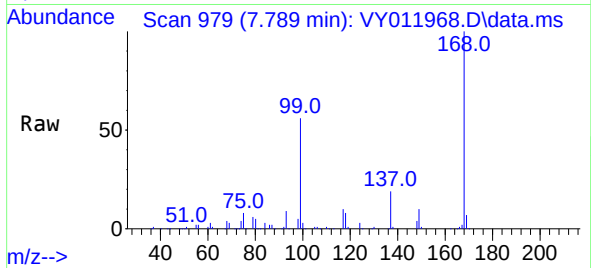




#36
1,1-Dichloropropene
Concen: 4.212 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

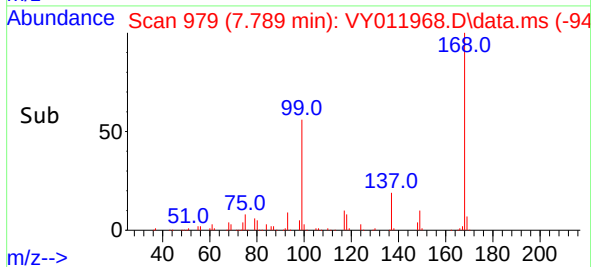
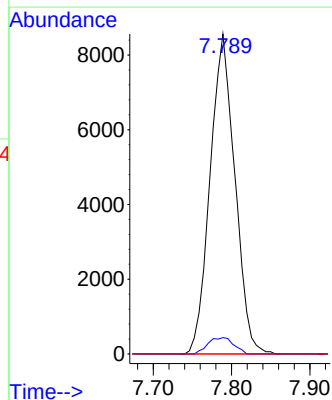
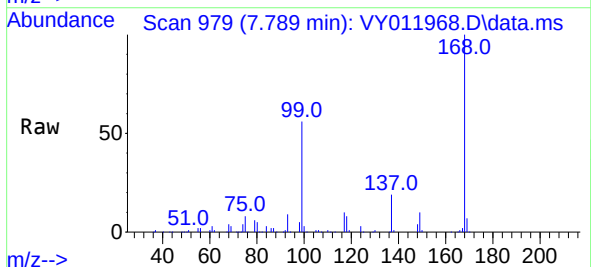
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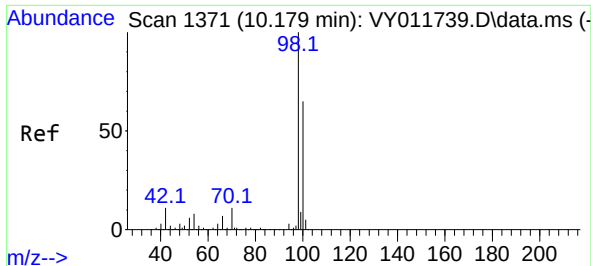
Tgt Ion: 75 Resp: 13739
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 4.998 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Tgt Ion: 117 Resp: 18827
Ion Ratio Lower Upper
117 100
119 5.1 73.8 110.8#
121 0.0 25.2 37.8#

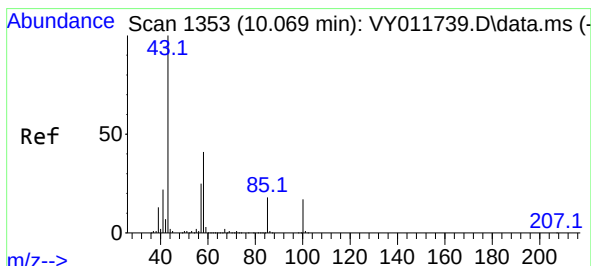
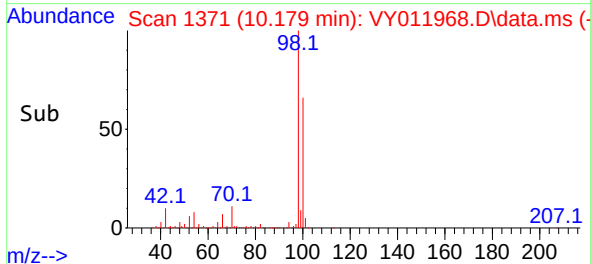
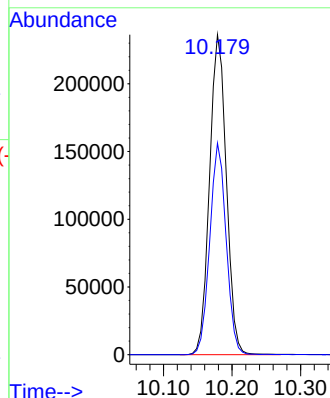
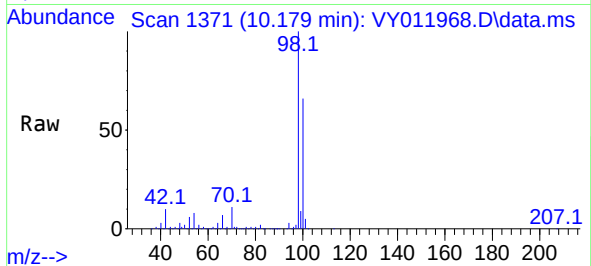




#50
Toluene-d8
Concen: 48.795 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

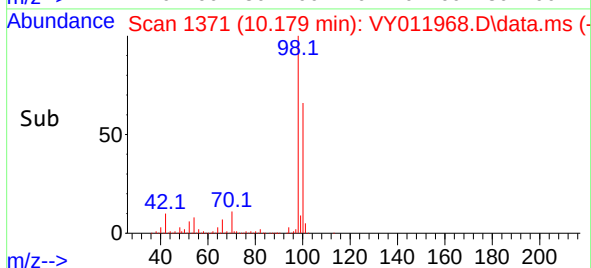
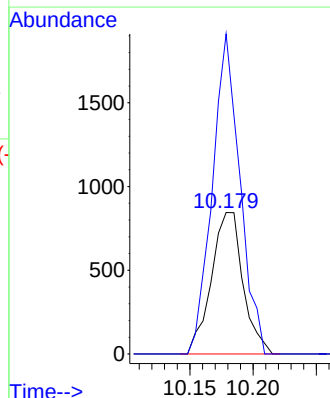
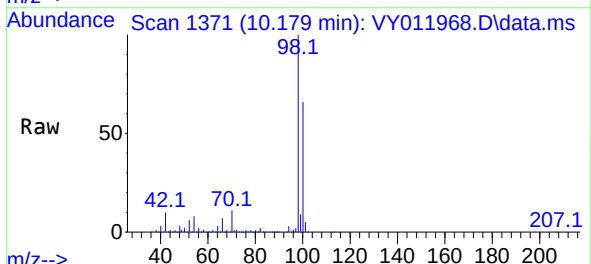
Instrument :
MSVOA_Y
ClientSampleId :
SP-591

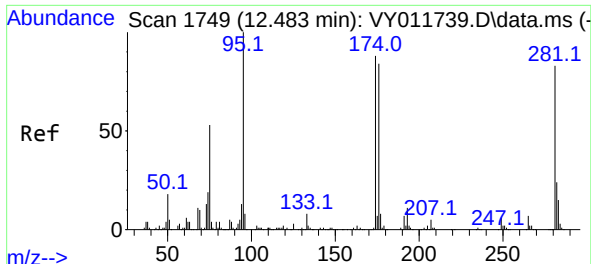
Tgt Ion: 98 Resp: 402594
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.032 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Tgt Ion: 43 Resp: 1471
Ion Ratio Lower Upper
43 100
58 196.7 32.9 49.3#

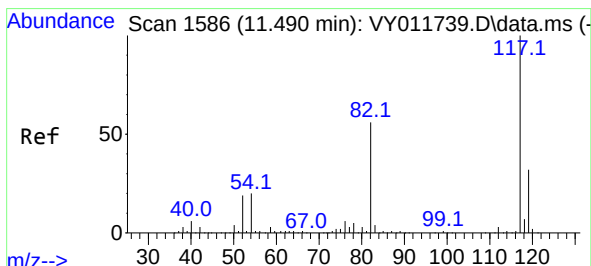
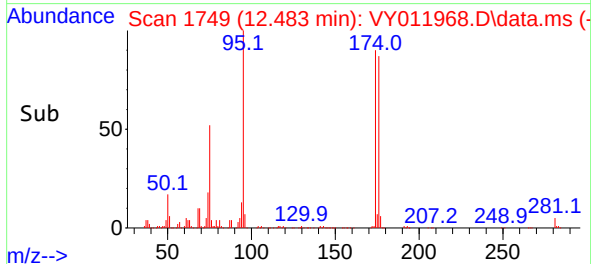
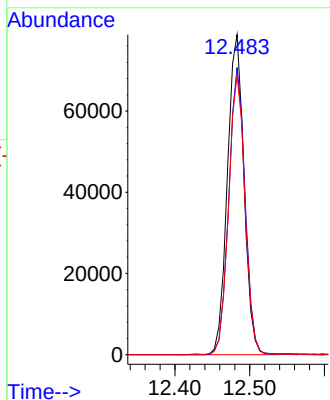
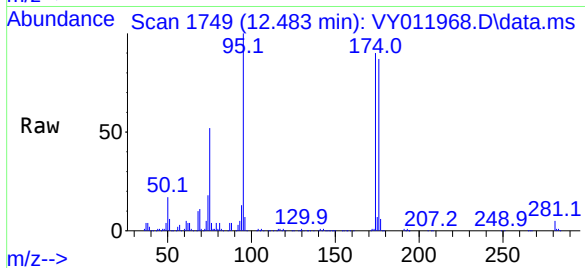




#62
4-Bromofluorobenzene
Concen: 43.858 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

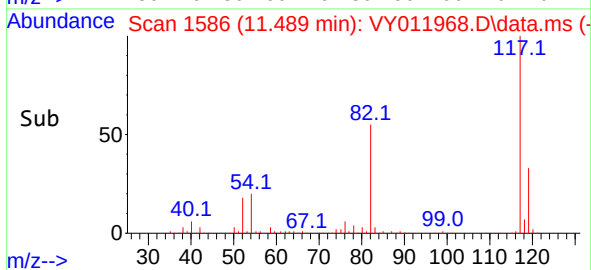
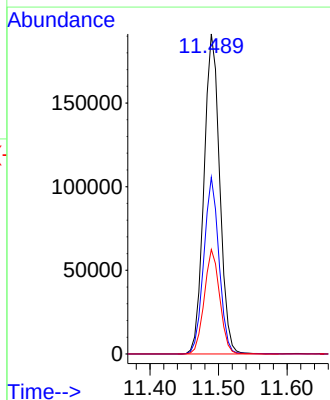
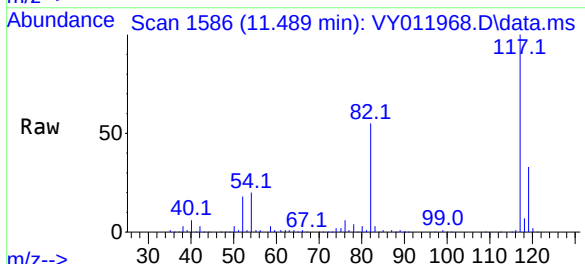
Instrument :
MSVOA_Y
ClientSampleId :
SP-591

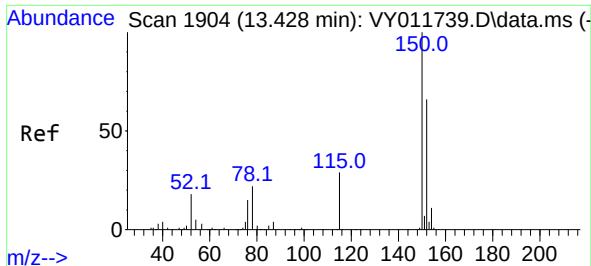
Tgt Ion: 95 Resp: 121701
Ion Ratio Lower Upper
95 100
174 88.5 0.0 172.0
176 86.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Tgt Ion: 117 Resp: 305347
Ion Ratio Lower Upper
117 100
82 55.2 44.8 67.2
119 32.7 25.4 38.2

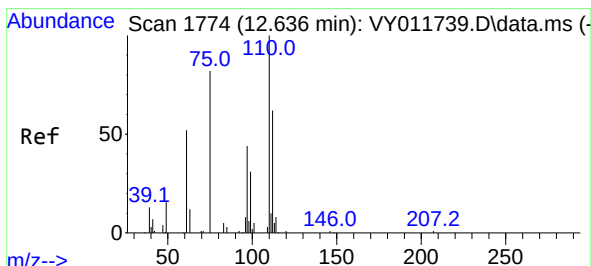
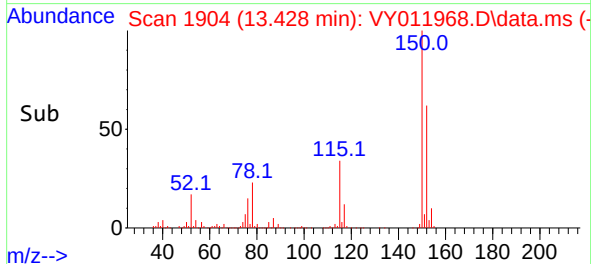
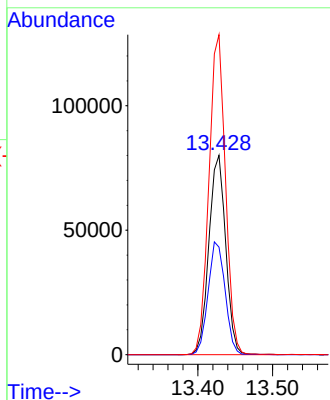
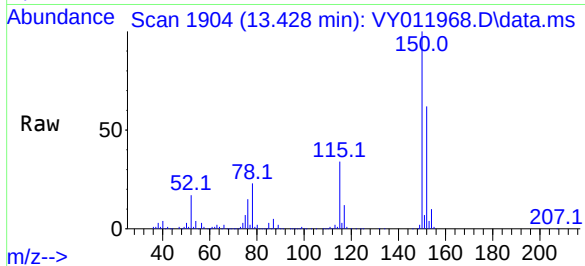




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

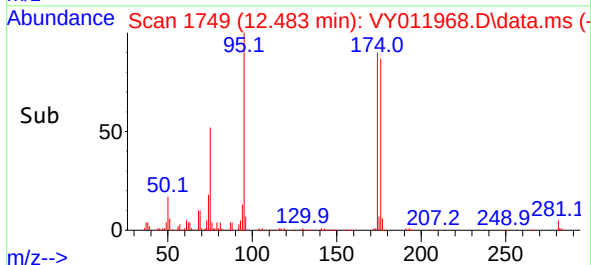
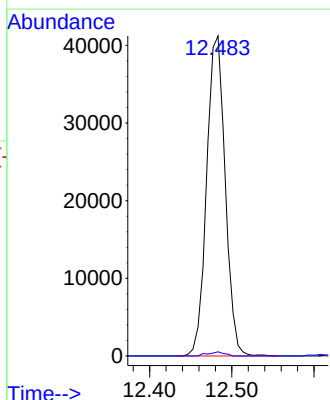
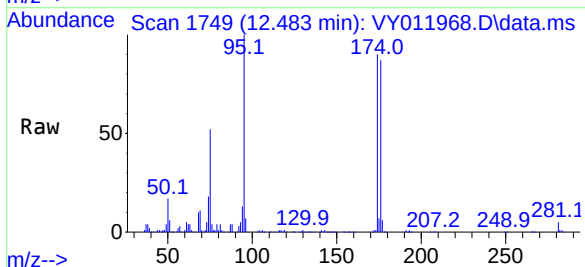
Instrument :
MSVOA_Y
ClientSampleId :
SP-591

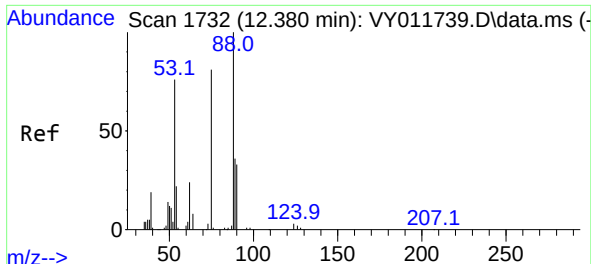
Tgt Ion:152 Resp: 125273
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.3
150 157.7 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 41.417 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Tgt Ion: 75 Resp: 64562
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

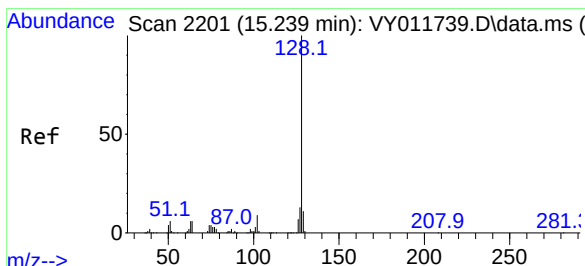
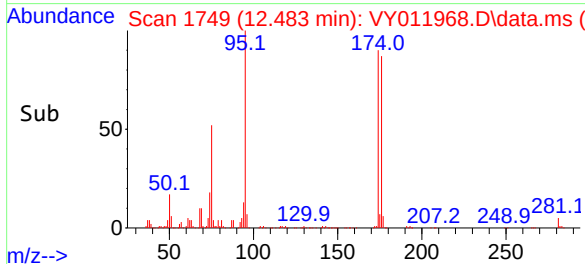
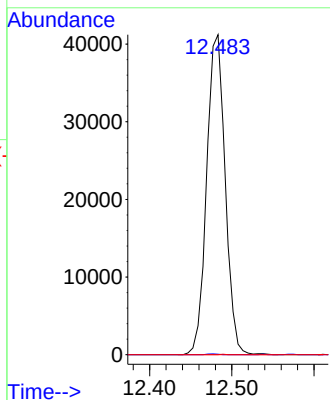
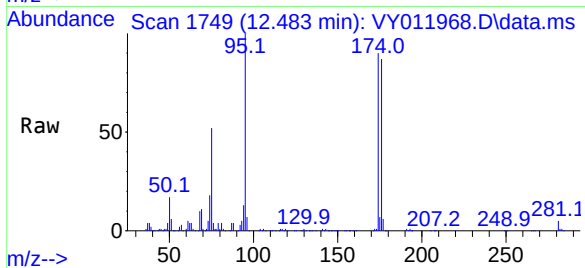




#81
trans-1,4-Dichloro-2-butene
Concen: 113.422 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Instrument :
MSVOA_Y
ClientSampleId :
SP-591

Tgt Ion: 75 Resp: 64562
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.965 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011968.D
Acq: 22 Dec 2022 12:41

Tgt Ion: 128 Resp: 912
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 6.6 8.8 13.2#

