

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011948.D
 Acq On : 21 Dec 2022 15:47
 Operator : KP/MD
 Sample : N6092-02
 Misc : 4.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20221259-LOCATION-7

Quant Time: Dec 22 00:14:08 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)

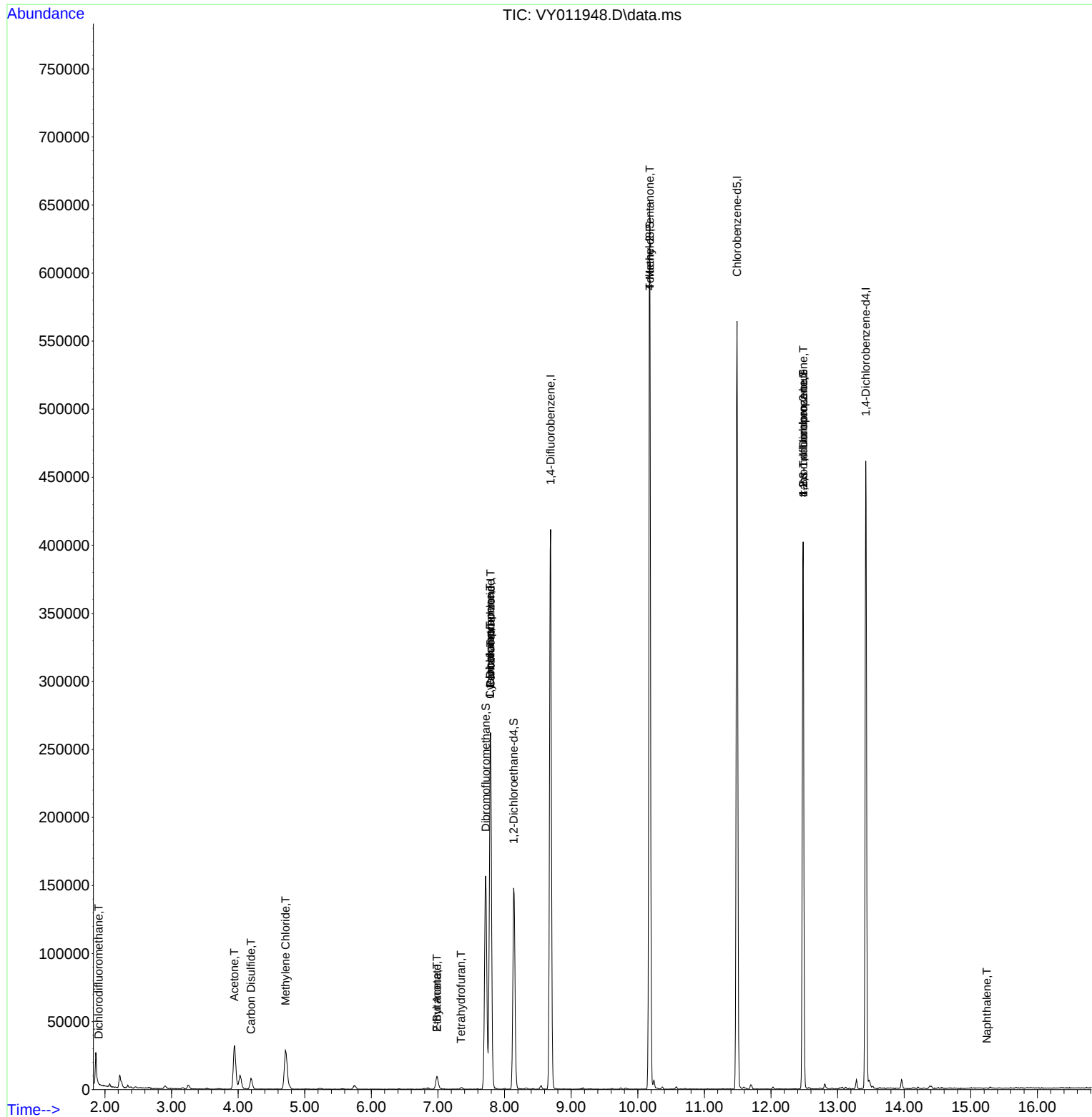
Internal Standards						
1) Pentafluorobenzene	7.789	168	204398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	355253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	313268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	120067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	118379	57.486	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.980%
35) Dibromofluoromethane	7.716	113	110033	51.448	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.900%
50) Toluene-d8	10.179	98	428036	49.328	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.483	95	120755	41.378	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	54	2.499	ug/l #	41
11) Tert butyl alcohol	4.954	59	172	Below Cal	#	74
16) Acetone	3.942	43	55756	93.795	ug/l	96
17) Carbon Disulfide	4.192	76	14905	2.416	ug/l	99
20) Methylene Chloride	4.710	84	22203	3.803	ug/l	93
25) 2-Butanone	6.984	43	15058	21.952	ug/l	97
29) Tetrahydrofuran	7.344	42	842	2.166	ug/l #	89
31) Cyclohexane	7.783	56	4305	1.242	ug/l #	6
36) 1,1-Dichloropropene	7.783	75	14933	4.353	ug/l #	49
37) Ethyl Acetate	6.984	43	15058	9.783	ug/l #	68
38) Carbon Tetrachloride	7.789	117	20933	5.283	ug/l #	19
51) 4-Methyl-2-Pentanone	10.179	43	1786	1.192	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	62675	41.950	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	62675	114.881	ug/l #	13
95) Naphthalene	15.239	128	367	2.857	ug/l #	69

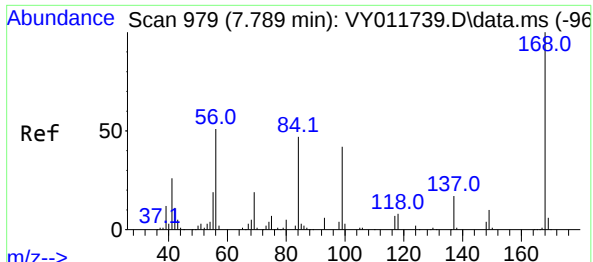
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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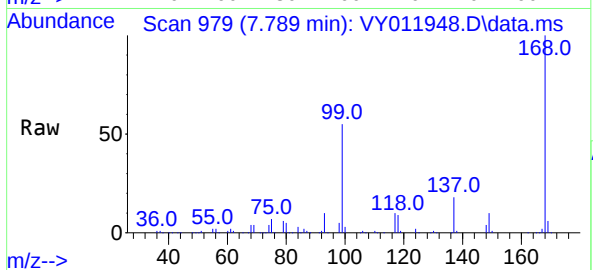
Quant Time: Dec 22 00:14:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
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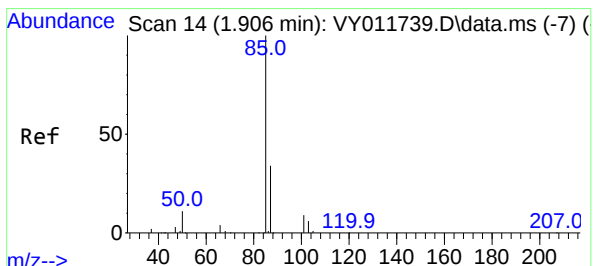
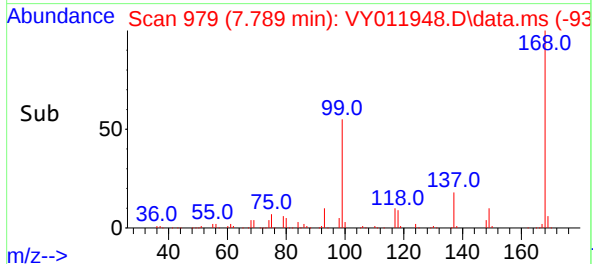
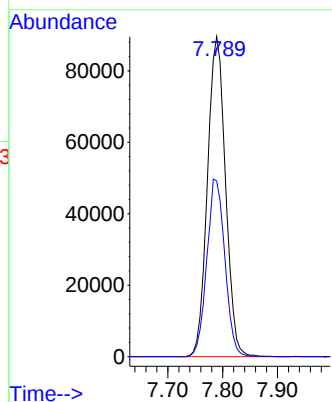


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

Instrument :
MSVOA_Y
ClientSampleId :
20221259-LOCATION-7

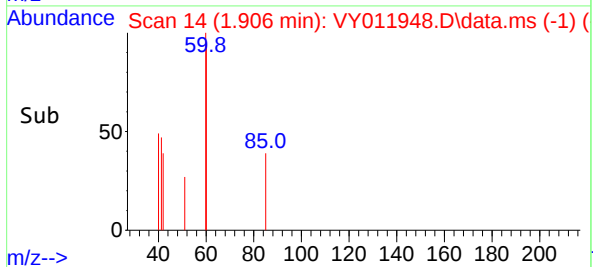
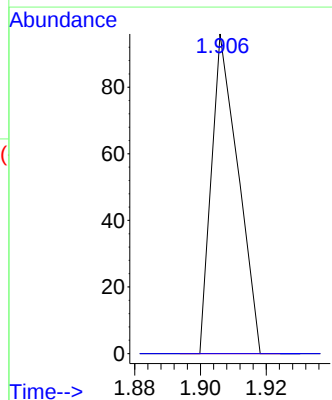
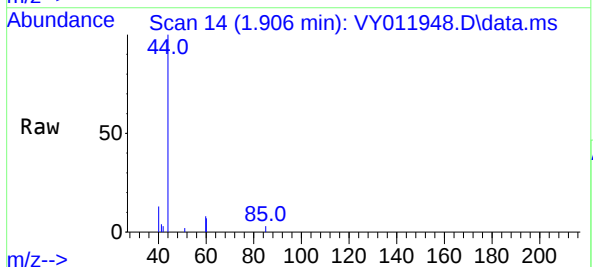


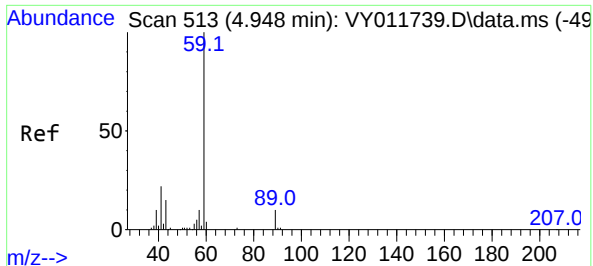
Tgt Ion:168 Resp: 204398
Ion Ratio Lower Upper
168 100
99 54.9 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.499 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY011948.D

Acq: 21 Dec 2022 15:47

Instrument :

MSVOA_Y

ClientSampleId :

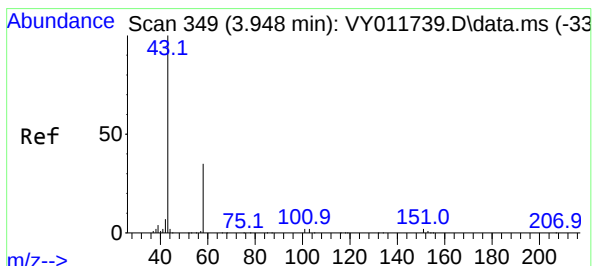
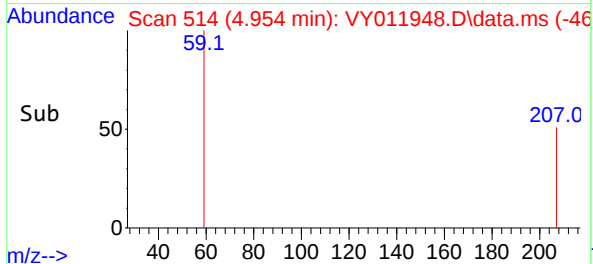
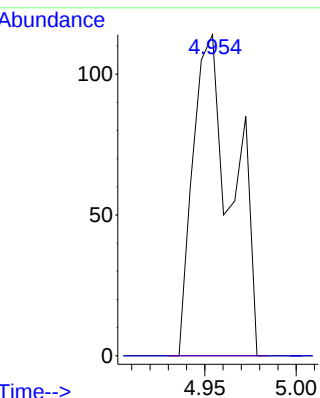
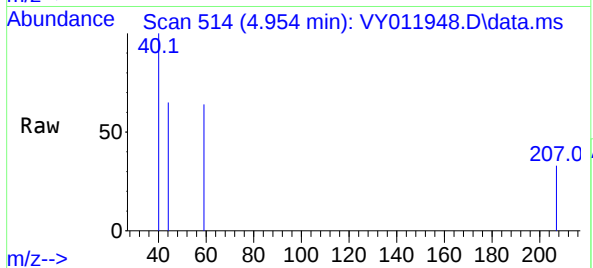
20221259-LOCATION-7

Tgt Ion: 59 Resp: 172

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 93.795 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY011948.D

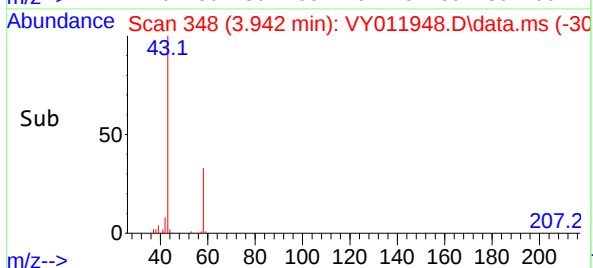
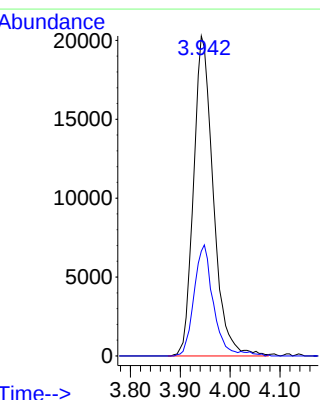
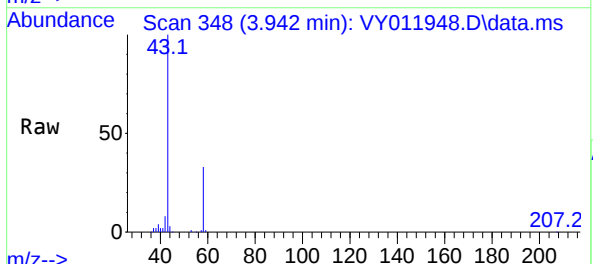
Acq: 21 Dec 2022 15:47

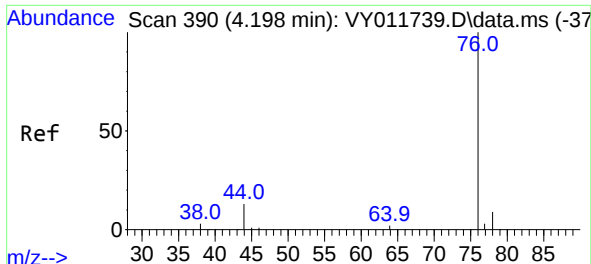
Tgt Ion: 43 Resp: 55756

Ion Ratio Lower Upper

43 100

58 32.7 27.9 41.9

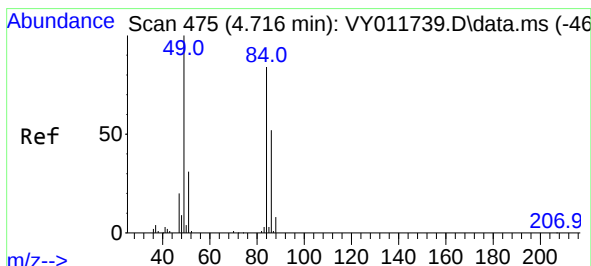
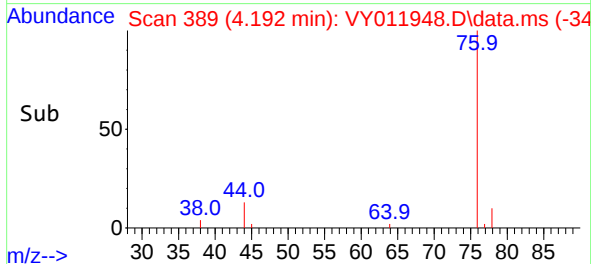
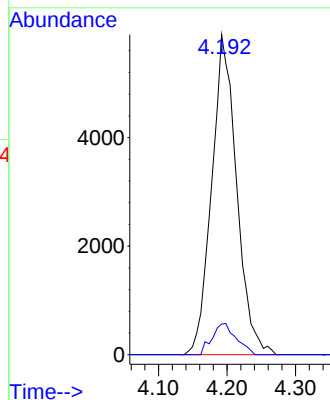
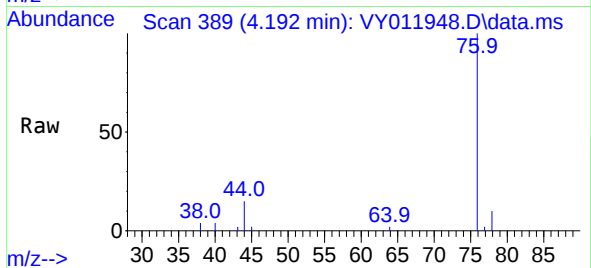




#17
Carbon Disulfide
Concen: 2.416 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

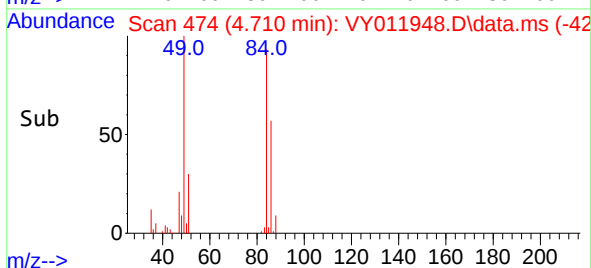
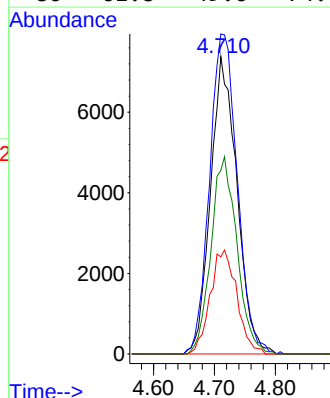
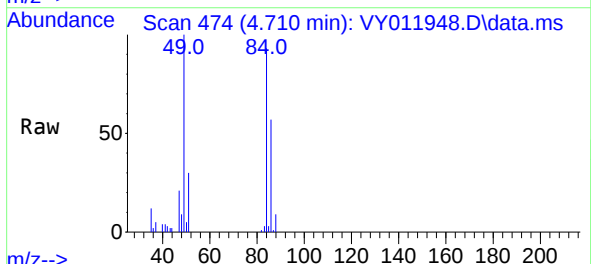
Instrument :
MSVOA_Y
ClientSampleId :
20221259-LOCATION-7

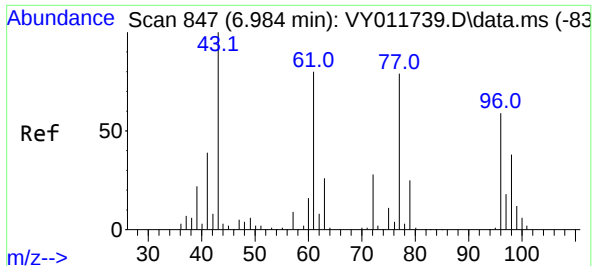
Tgt Ion: 76 Resp: 14905
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#20
Methylene Chloride
Concen: 3.803 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

Tgt Ion: 84 Resp: 22203
Ion Ratio Lower Upper
84 100
49 107.6 95.4 143.2
51 32.7 29.9 44.9
86 61.8 49.6 74.4





#25

2-Butanone

Concen: 21.952 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY011948.D

Acq: 21 Dec 2022 15:47

Instrument :

MSVOA_Y

ClientSampleId :

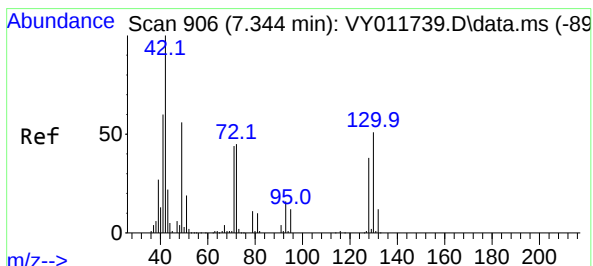
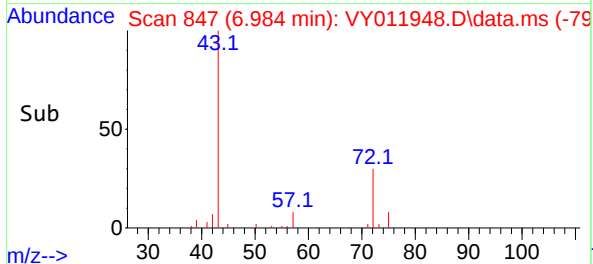
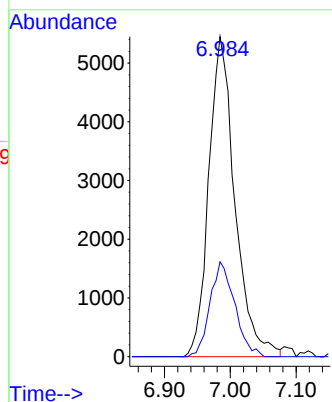
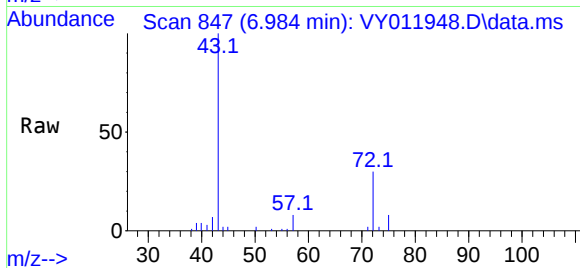
20221259-LOCATION-7

Tgt Ion: 43 Resp: 15058

Ion Ratio Lower Upper

43 100

72 29.7 22.6 34.0



#29

Tetrahydrofuran

Concen: 2.166 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY011948.D

Acq: 21 Dec 2022 15:47

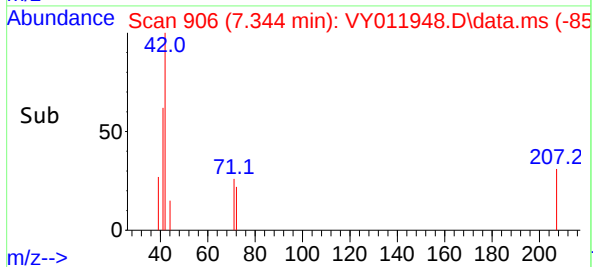
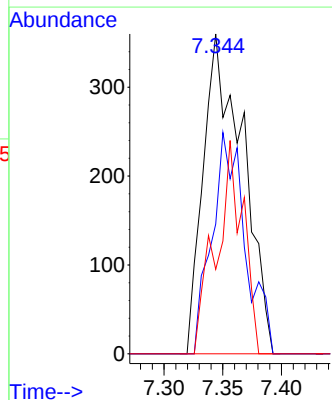
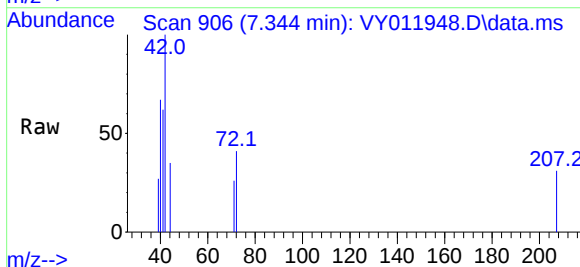
Tgt Ion: 42 Resp: 842

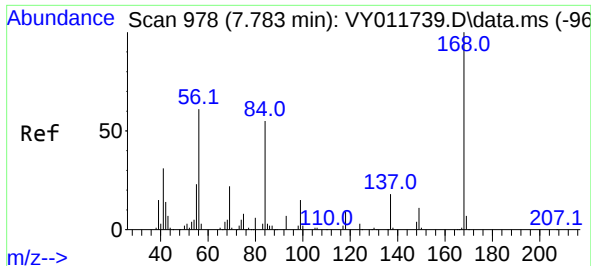
Ion Ratio Lower Upper

42 100

72 58.4 37.0 55.6#

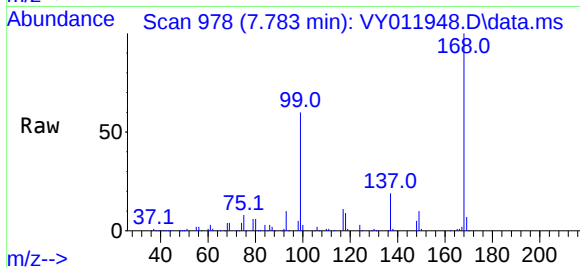
71 45.6 34.9 52.3



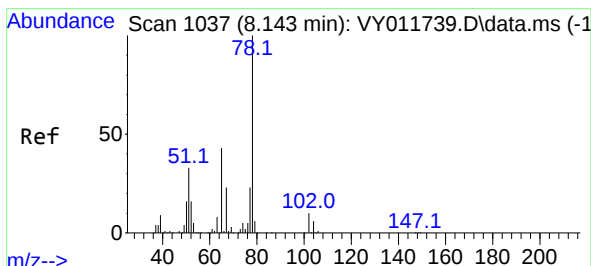
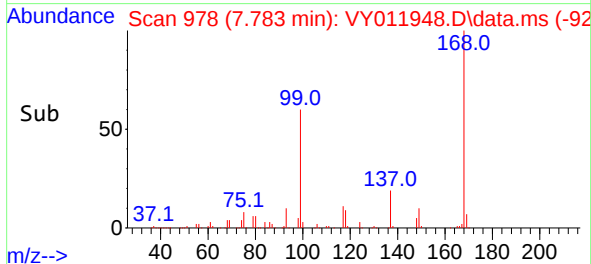
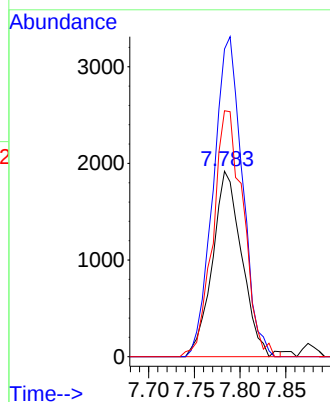


#31
Cyclohexane
Concen: 1.242 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

Instrument :
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ClientSampleId :
20221259-LOCATION-7

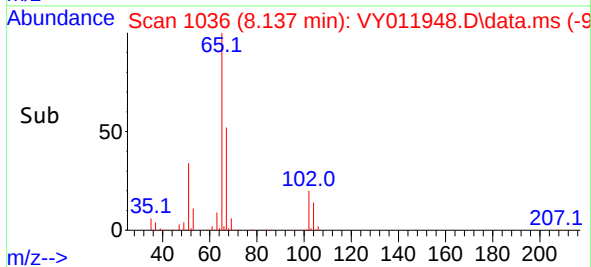
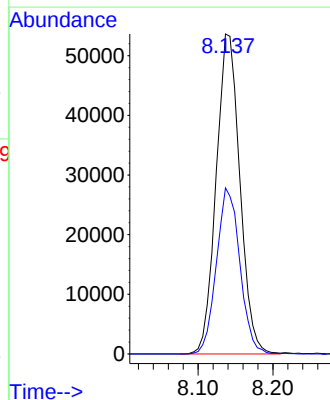
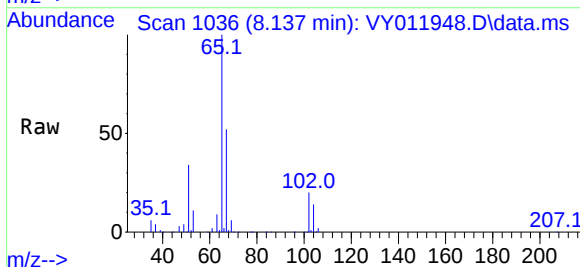


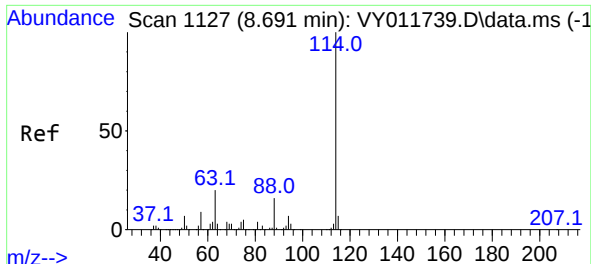
Tgt Ion: 56 Resp: 4305
Ion Ratio Lower Upper
56 100
69 165.9 29.2 43.8#
84 132.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 57.486 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

Tgt Ion: 65 Resp: 118379
Ion Ratio Lower Upper
65 100
67 51.3 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: VY011948.D

Acq: 21 Dec 2022 15:47

Instrument :

MSVOA_Y

ClientSampleId :

20221259-LOCATION-7

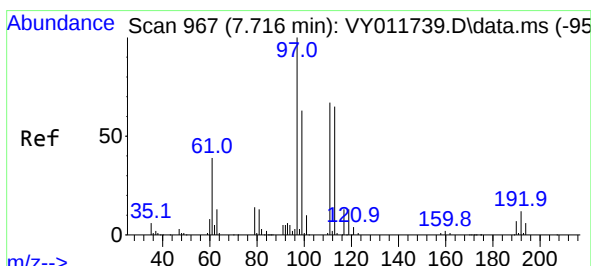
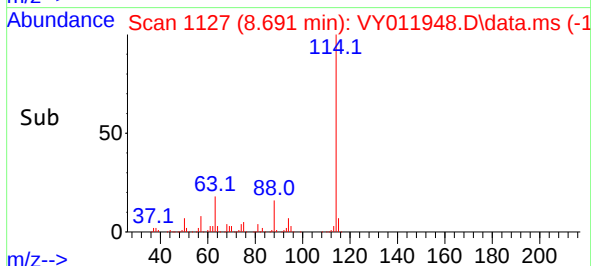
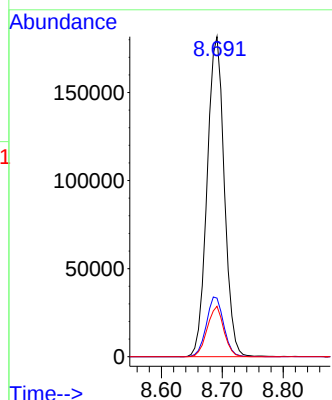
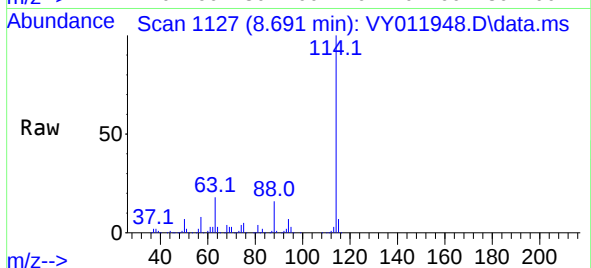
Tgt Ion:114 Resp: 355253

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 15.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.448 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011948.D

Acq: 21 Dec 2022 15:47

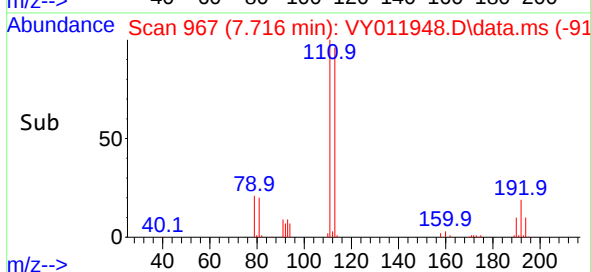
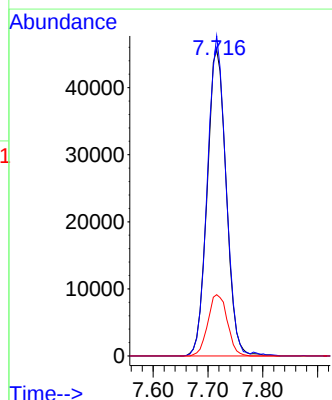
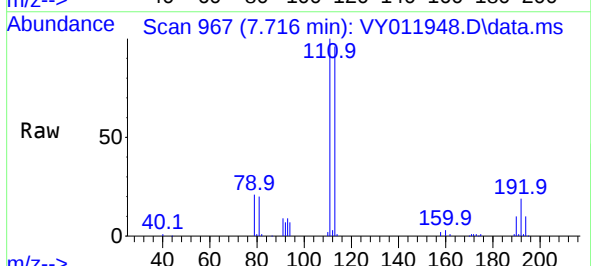
Tgt Ion:113 Resp: 110033

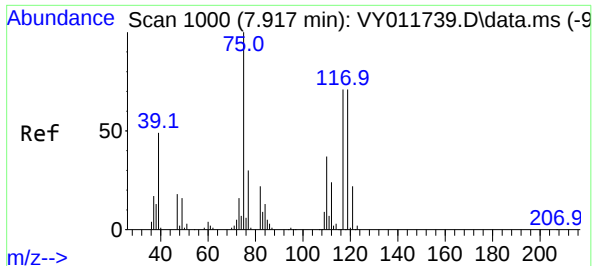
Ion Ratio Lower Upper

113 100

111 101.0 83.0 124.4

192 20.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.353 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011948.D

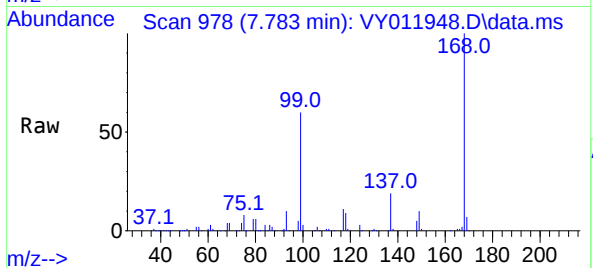
Acq: 21 Dec 2022 15:47

Instrument :

MSVOA_Y

ClientSampleId :

20221259-LOCATION-7



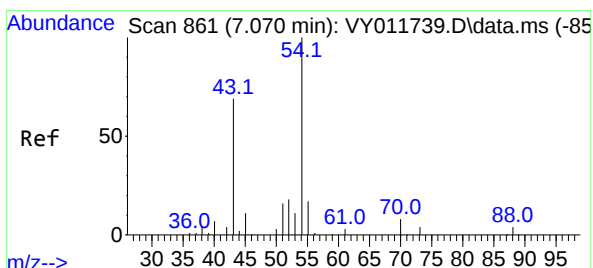
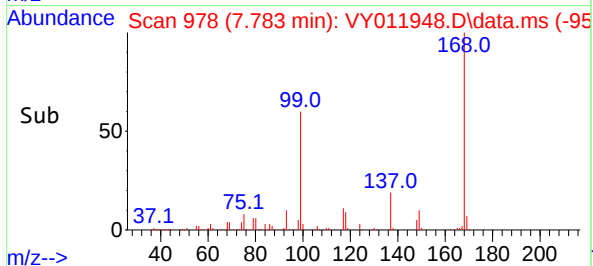
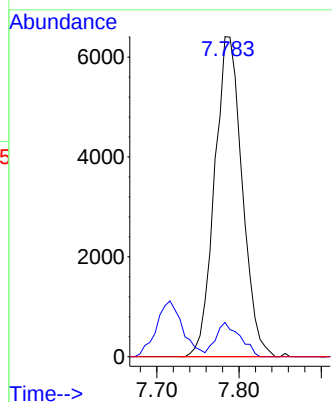
Tgt Ion: 75 Resp: 14933

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 9.783 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011948.D

Acq: 21 Dec 2022 15:47

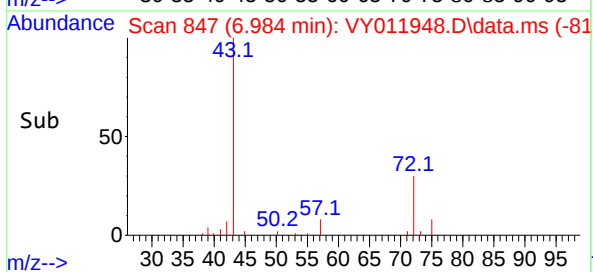
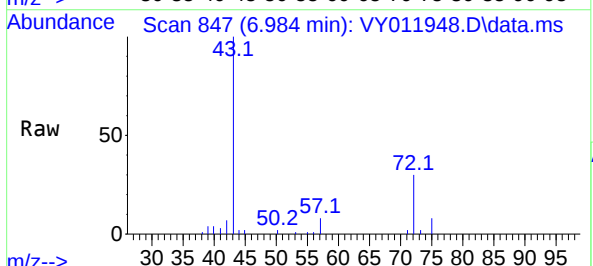
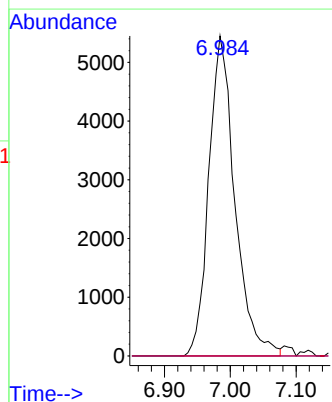
Tgt Ion: 43 Resp: 15058

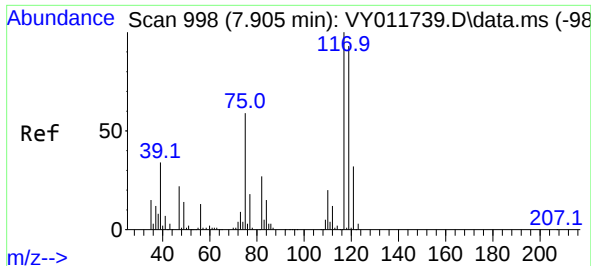
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

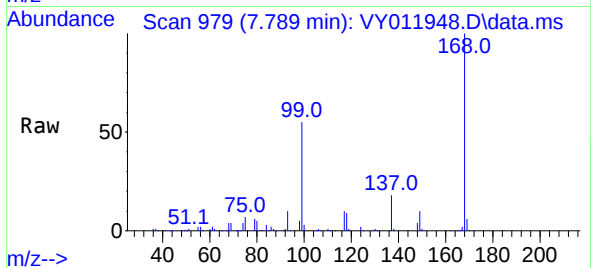
70 0.0 8.2 12.4#



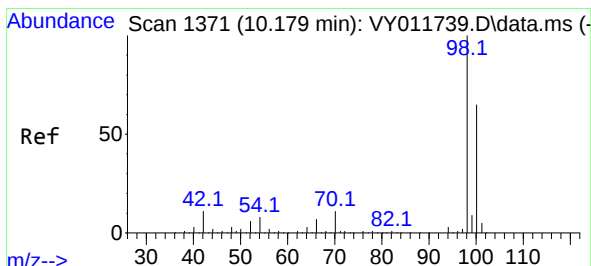
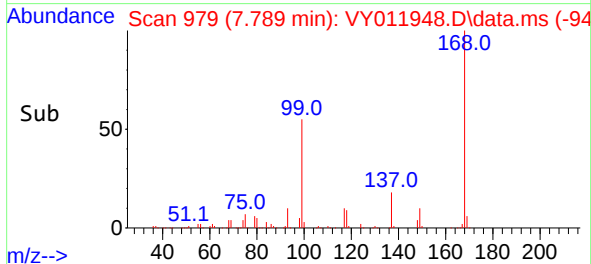
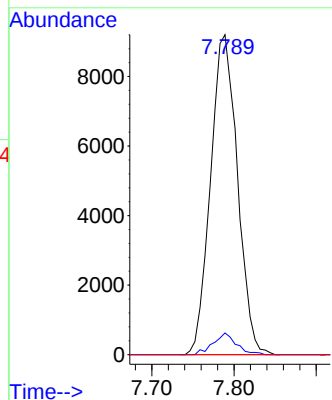


#38
Carbon Tetrachloride
Concen: 5.283 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

Instrument :
MSVOA_Y
ClientSampleId :
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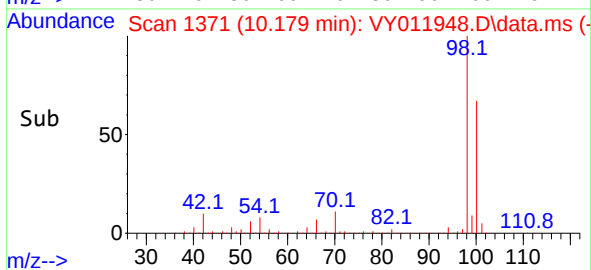
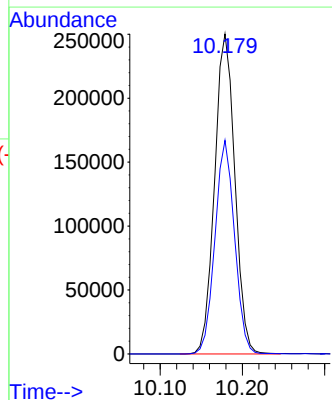
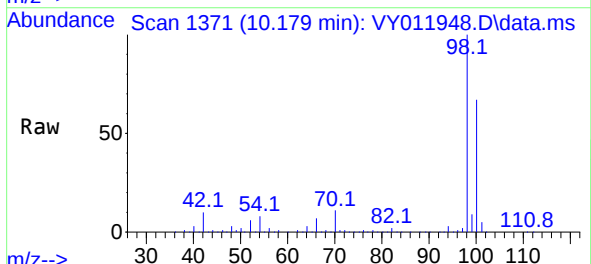


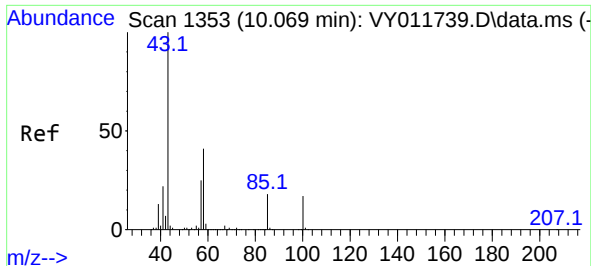
Tgt Ion:117 Resp: 20933
Ion Ratio Lower Upper
117 100
119 6.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.328 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

Tgt Ion: 98 Resp: 428036
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

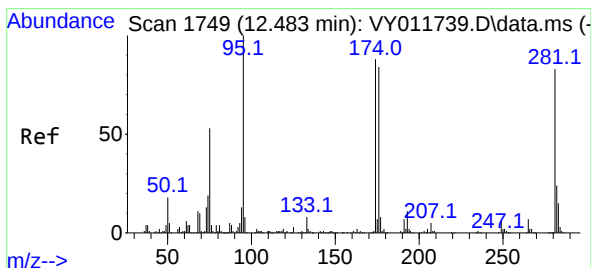
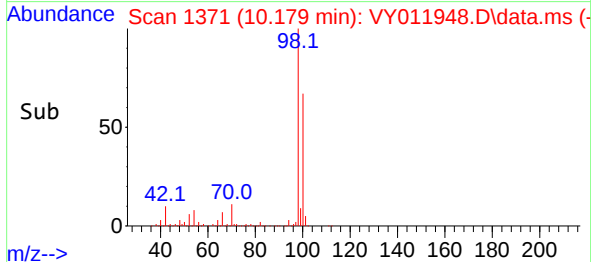
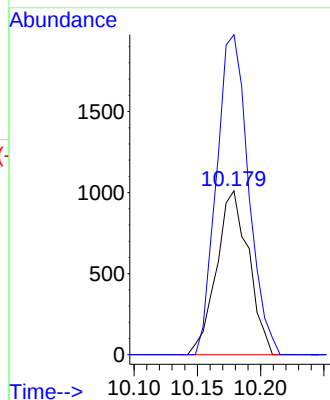
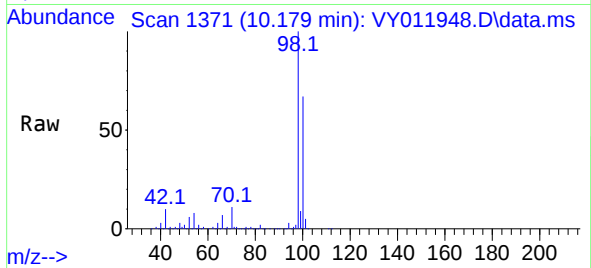




#51
4-Methyl-2-Pentanone
Concen: 1.192 ug/l
RT: 10.179 min Scan# 1353
Delta R.T. 0.110 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

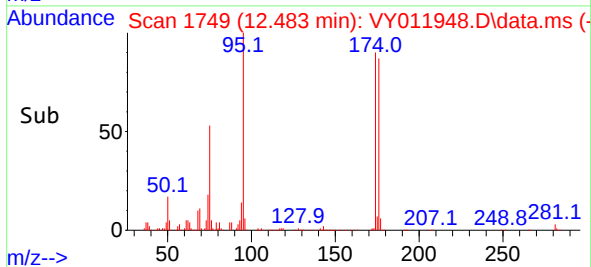
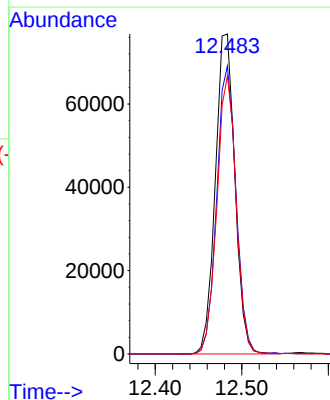
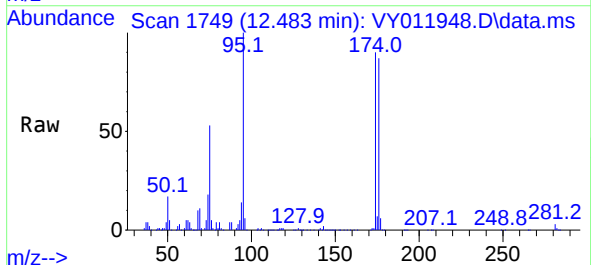
Instrument :
MSVOA_Y
ClientSampleId :
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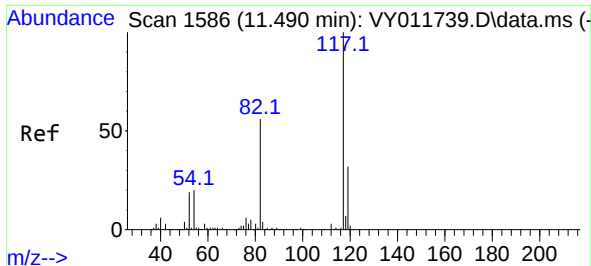
Tgt Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
58 194.1 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 41.378 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

Tgt Ion: 95 Resp: 120755
Ion Ratio Lower Upper
95 100
174 88.8 0.0 172.0
176 85.3 0.0 167.6

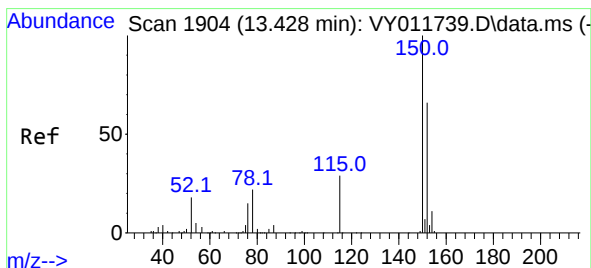
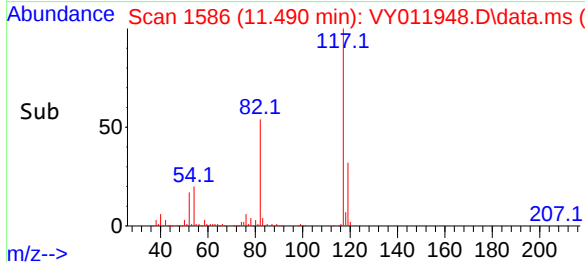
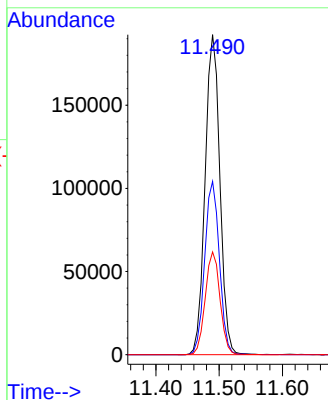
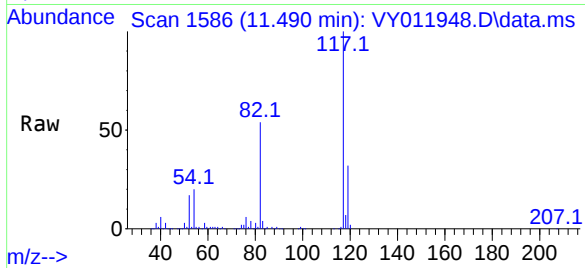




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

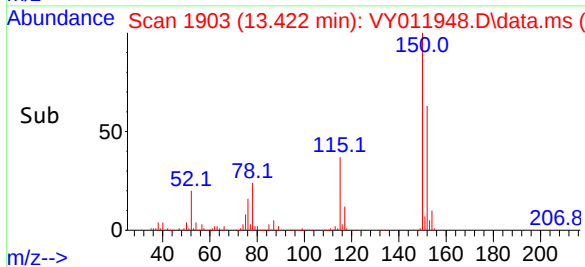
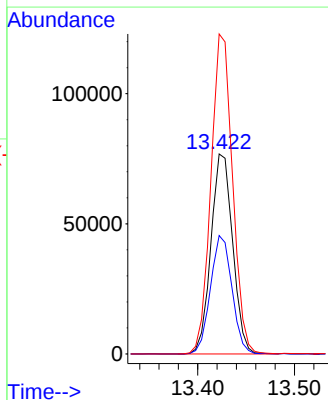
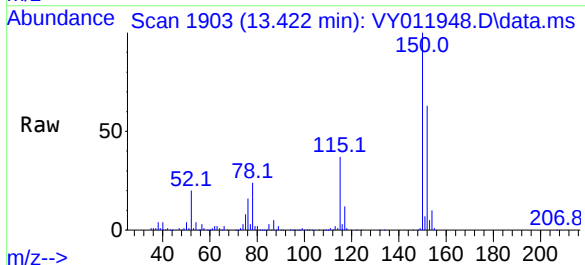
Instrument :
MSVOA_Y
ClientSampleId :
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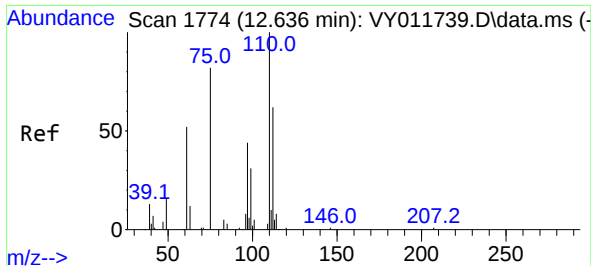
Tgt Ion:117 Resp: 313268
Ion Ratio Lower Upper
117 100
82 54.2 44.8 67.2
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

Tgt Ion:152 Resp: 120067
Ion Ratio Lower Upper
152 100
115 58.6 29.1 87.3
150 159.0 0.0 342.6

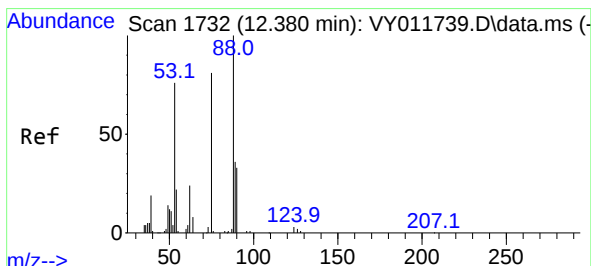
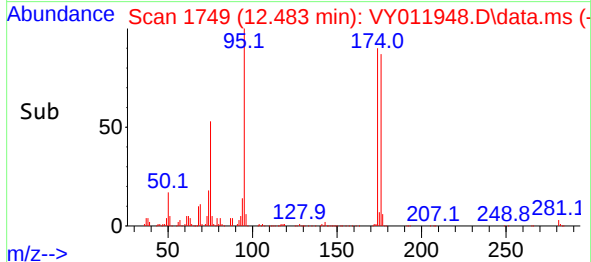
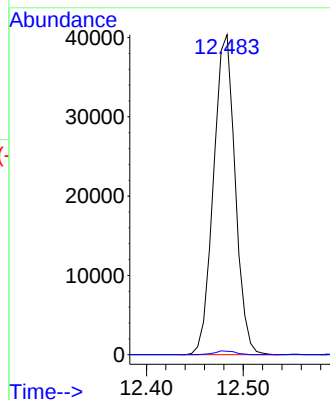
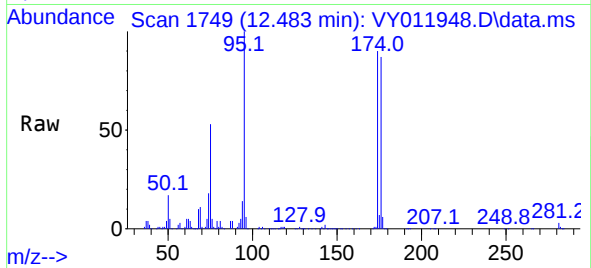




#76
1,2,3-Trichloropropane
Concen: 41.950 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

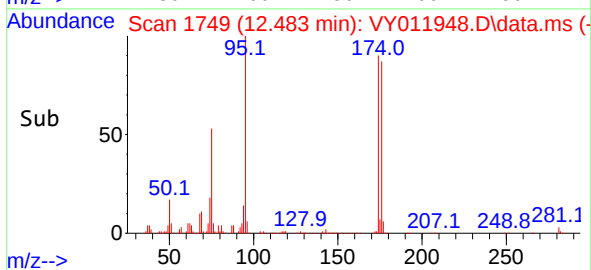
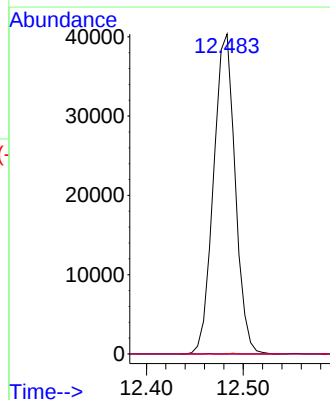
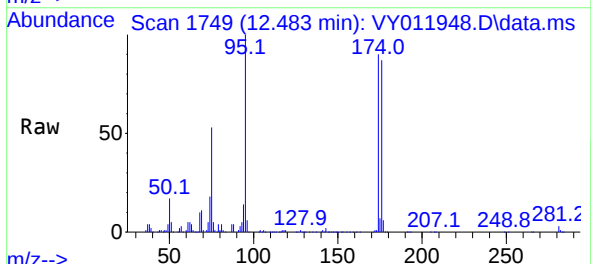
Instrument :
MSVOA_Y
ClientSampleId :
20221259-LOCATION-7

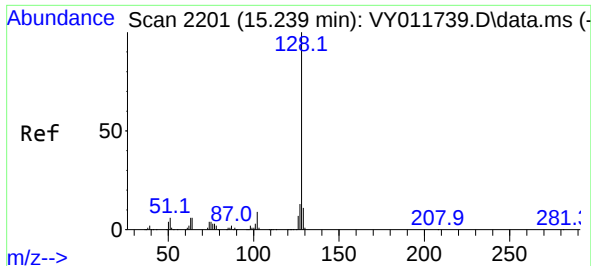
Tgt Ion: 75 Resp: 62675
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.881 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011948.D
Acq: 21 Dec 2022 15:47

Tgt Ion: 75 Resp: 62675
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 2.857 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011948.D

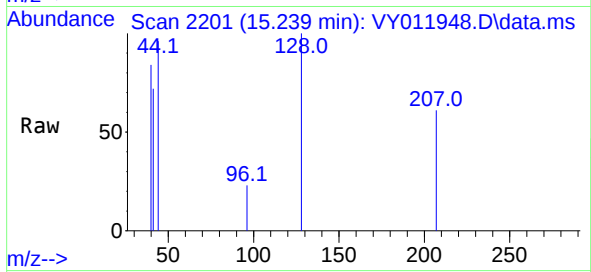
Acq: 21 Dec 2022 15:47

Instrument :

MSVOA_Y

ClientSampleId :

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Tgt Ion:128 Resp: 367

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

