

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY012004.D
 Acq On : 23 Dec 2022 17:45
 Operator : KP/MD
 Sample : N6208-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 22:26:46 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	189885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	336115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	311987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136377	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	110808	57.922	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.840%
35) Dibromofluoromethane	7.716	113	104506	51.646	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.300%
50) Toluene-d8	10.179	98	404646	49.288	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.483	95	127567	46.201	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.400%

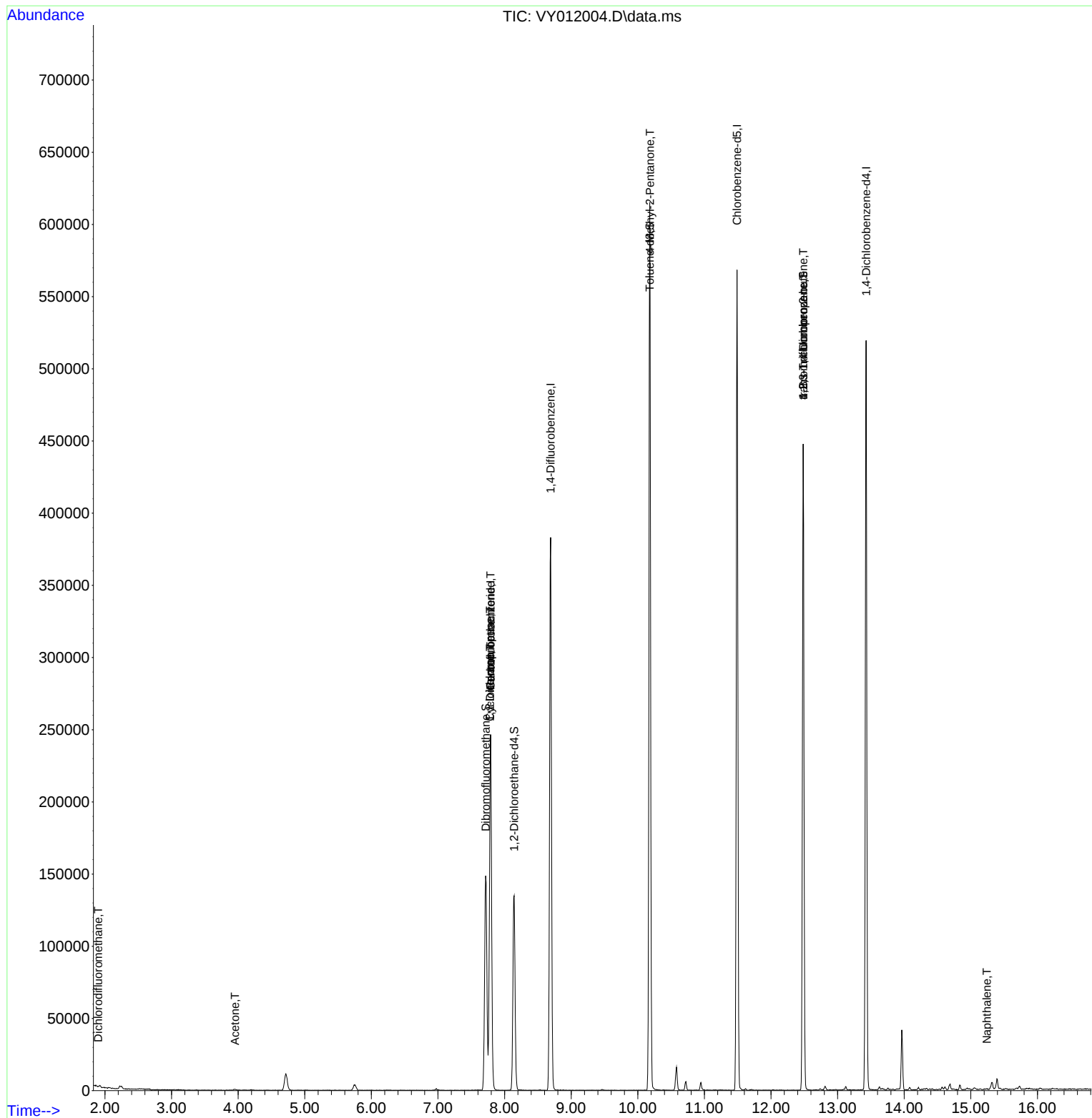
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	97	2.528	ug/l #	41
11) Tert butyl alcohol	4.942	59	68	Below Cal	#	74
16) Acetone	3.954	43	1259	7.036	ug/l #	69
20) Methylene Chloride	4.722	84	9200	Below Cal		86
31) Cyclohexane	7.783	56	3461	1.075	ug/l #	11
36) 1,1-Dichloropropene	7.783	75	13908	4.285	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19379	5.170	ug/l #	19
51) 4-Methyl-2-Pentanone	10.185	43	1473	1.039	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	66862	39.400	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	66862	107.898	ug/l #	13
95) Naphthalene	15.239	128	702	2.910	ug/l #	69

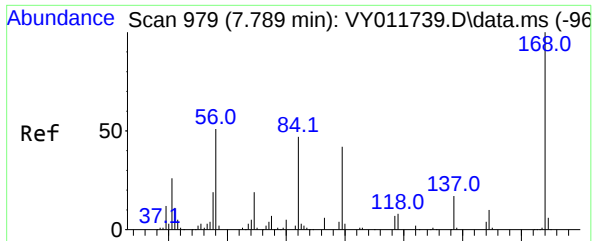
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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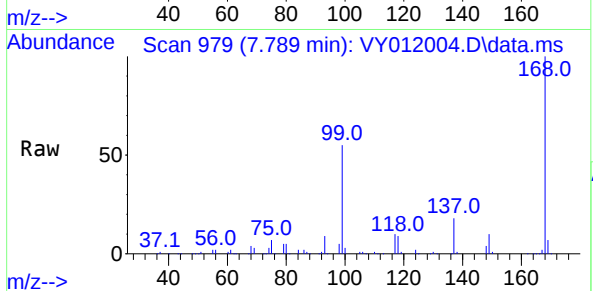
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
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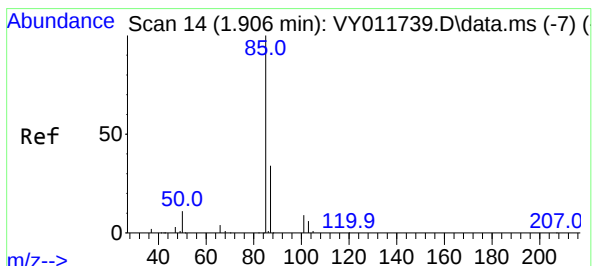
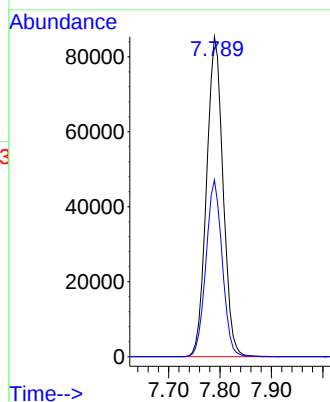
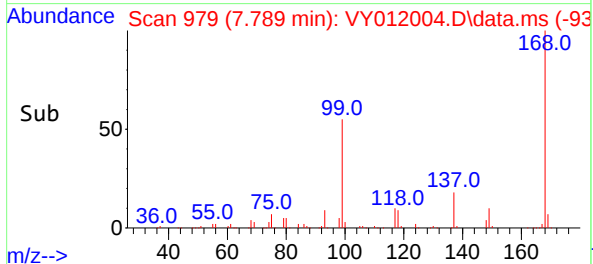


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

Instrument :
MSVOA_Y
ClientSampleId :

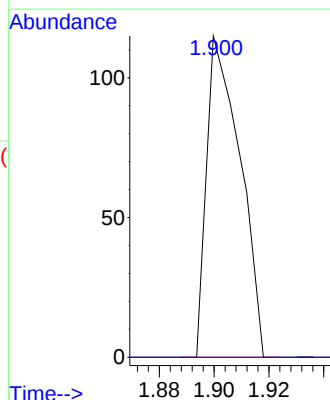
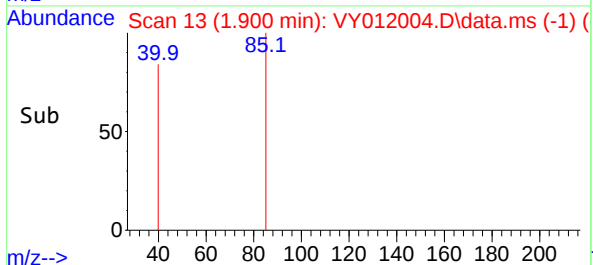
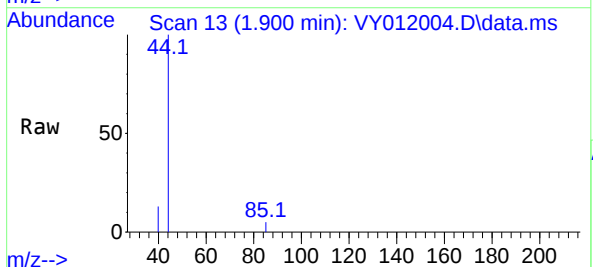


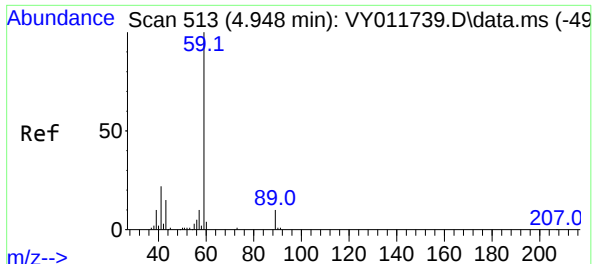
Tgt Ion:168 Resp: 189885
Ion Ratio Lower Upper
168 100
99 55.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.528 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

Tgt Ion: 85 Resp: 97
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.006 min

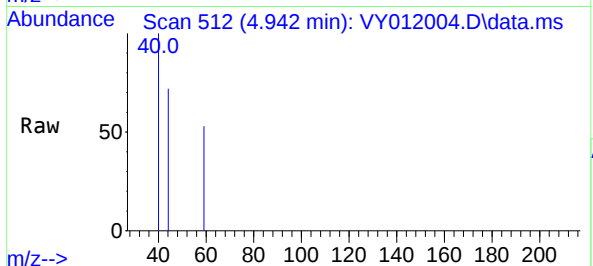
Lab File: VY012004.D

Acq: 23 Dec 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :

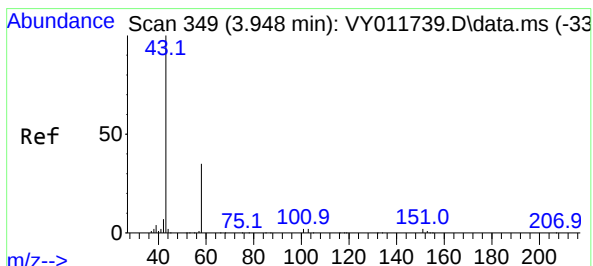
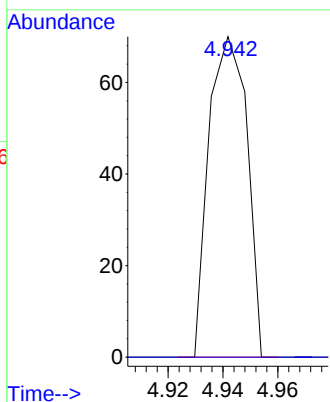


Tgt Ion: 59 Resp: 68

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 7.036 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY012004.D

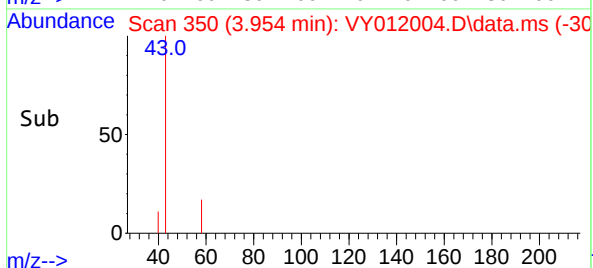
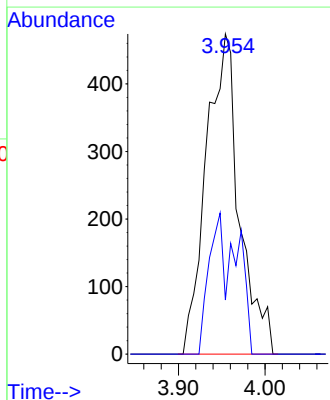
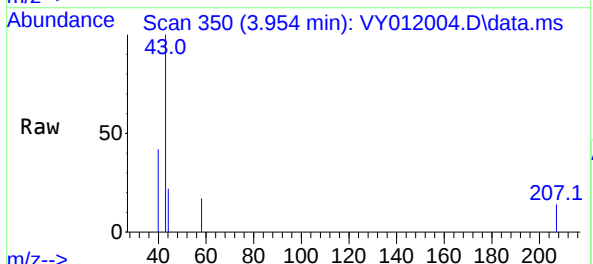
Acq: 23 Dec 2022 17:45

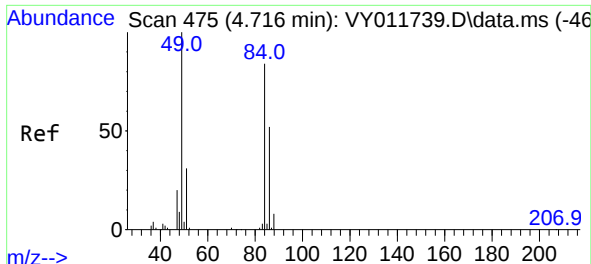
Tgt Ion: 43 Resp: 1259

Ion Ratio Lower Upper

43 100

58 16.9 27.9 41.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 41

Delta R.T. 0.006 min

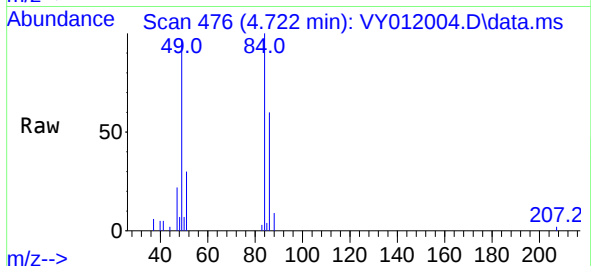
Lab File: VY012004.D

Acq: 23 Dec 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 9200

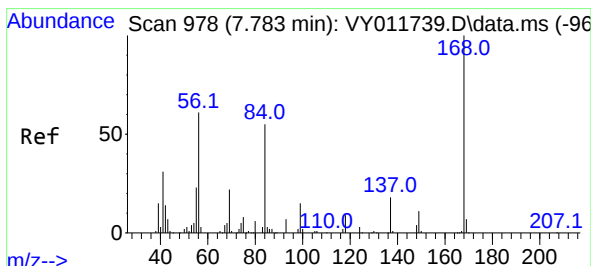
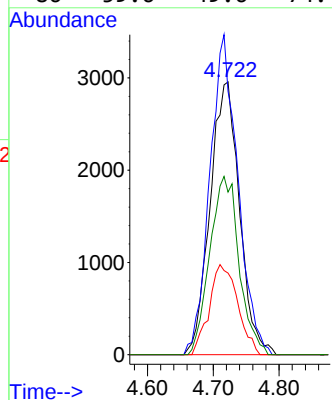
Ion Ratio Lower Upper

84 100

49 96.6 95.4 143.2

51 29.9 29.9 44.9

86 59.6 49.6 74.4



#31

Cyclohexane

Concen: 1.075 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012004.D

Acq: 23 Dec 2022 17:45

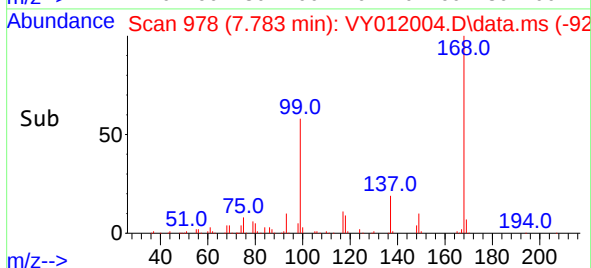
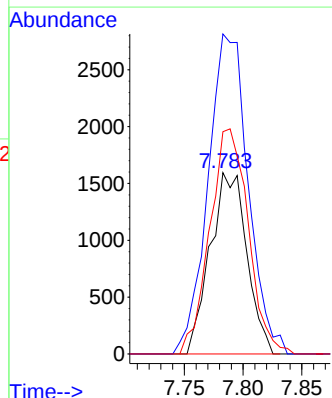
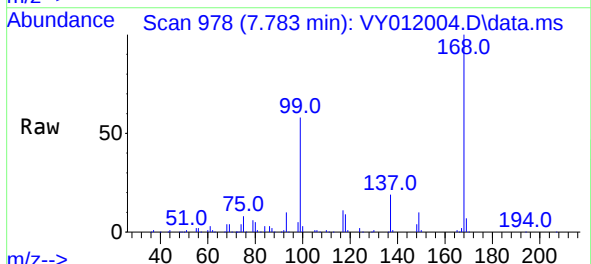
Tgt Ion: 56 Resp: 3461

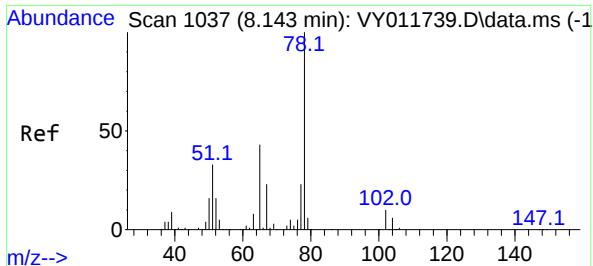
Ion Ratio Lower Upper

56 100

69 169.9 29.2 43.8#

84 122.6 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 57.922 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY012004.D

Acq: 23 Dec 2022 17:45

Instrument :

MSVOA_Y

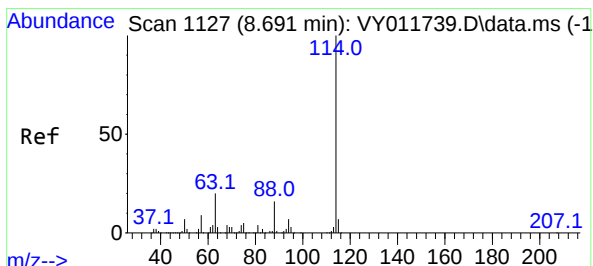
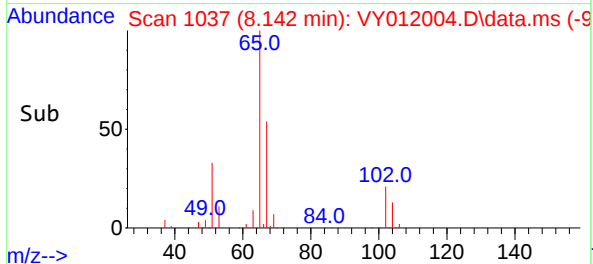
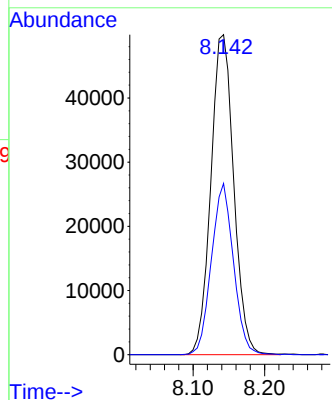
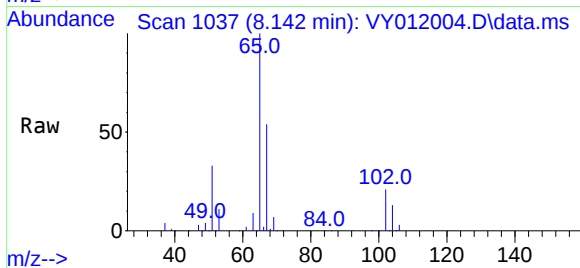
ClientSampleId :

Tgt Ion: 65 Resp: 110808

Ion Ratio Lower Upper

65 100

67 51.5 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: VY012004.D

Acq: 23 Dec 2022 17:45

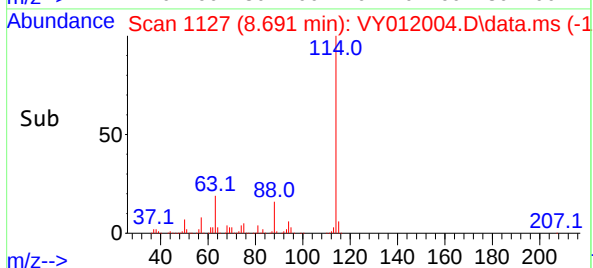
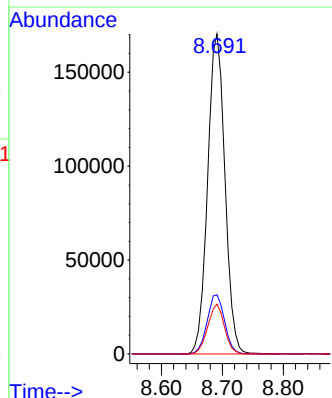
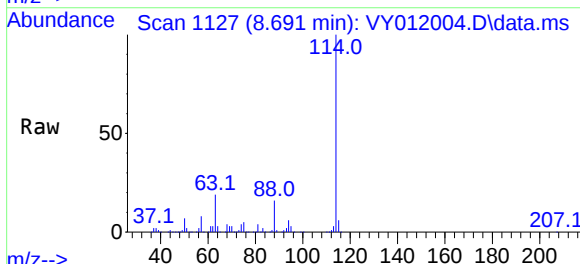
Tgt Ion: 114 Resp: 336115

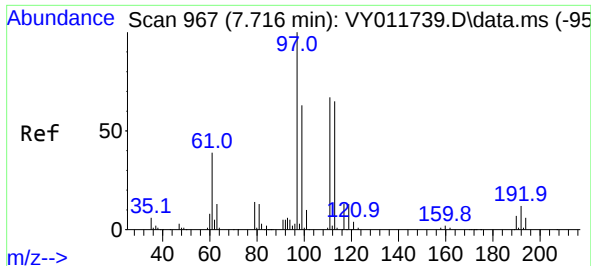
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

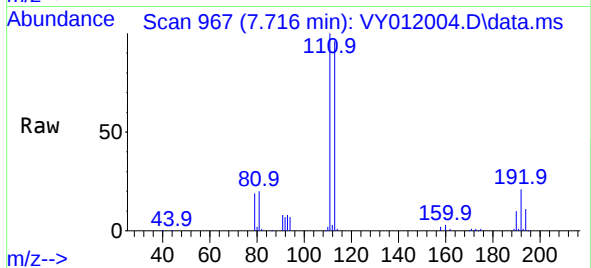
88 15.6 0.0 32.2



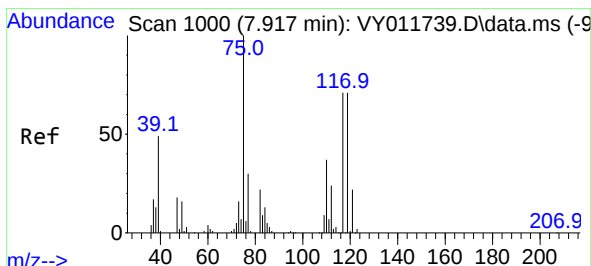
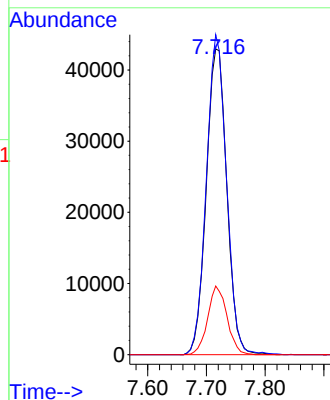
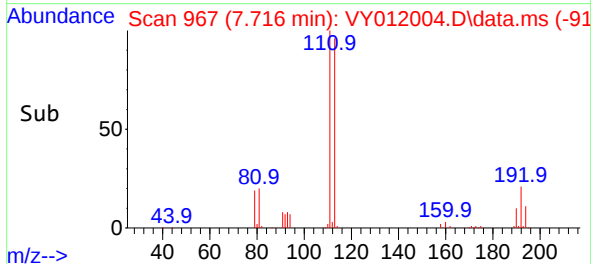


#35
Dibromofluoromethane
Concen: 51.646 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

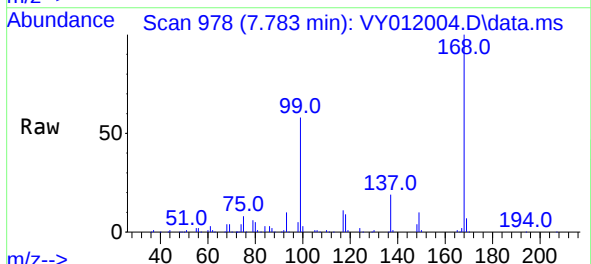
Instrument :
MSVOA_Y
ClientSampleId :



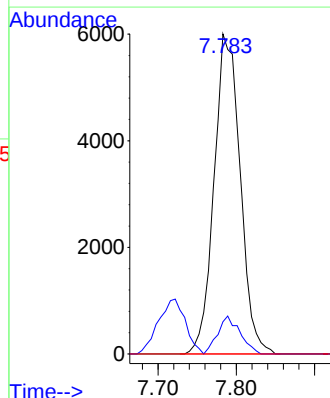
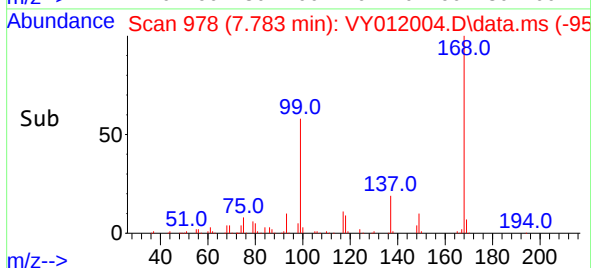
Tgt Ion:113 Resp: 104506
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.4
192 21.1 16.0 24.0

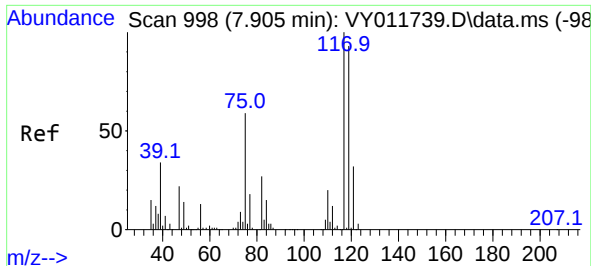


#36
1,1-Dichloropropene
Concen: 4.285 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45



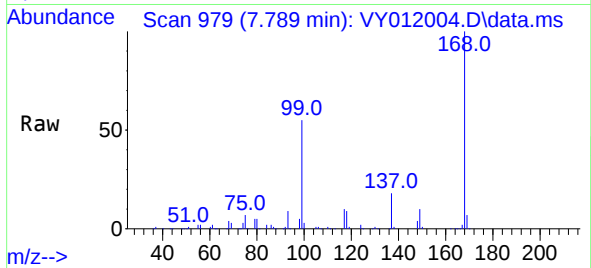
Tgt Ion: 75 Resp: 13908
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.1#
77 0.0 25.1 37.7#



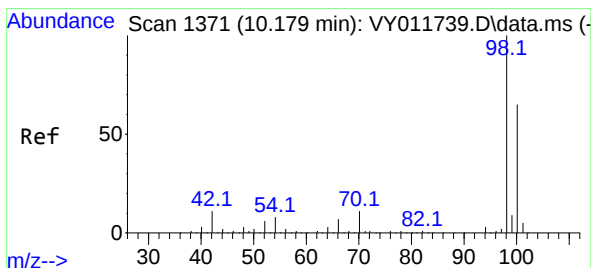
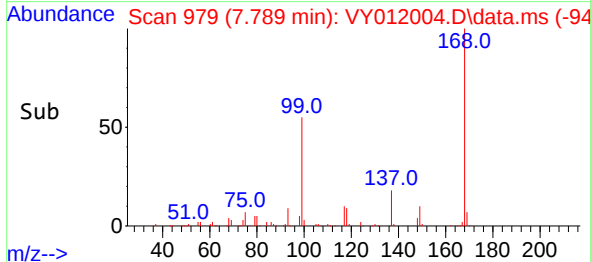
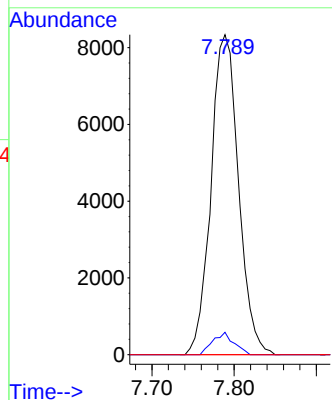


#38
Carbon Tetrachloride
Concen: 5.170 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

Instrument :
MSVOA_Y
ClientSampleId :

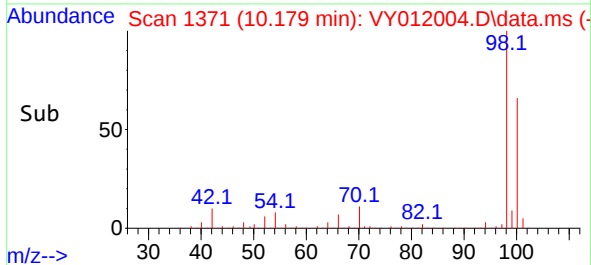
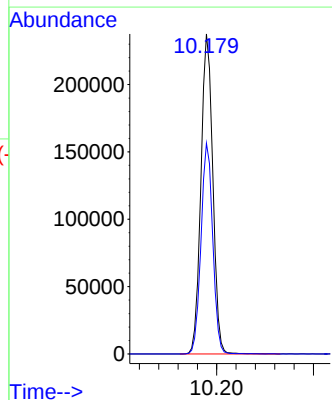
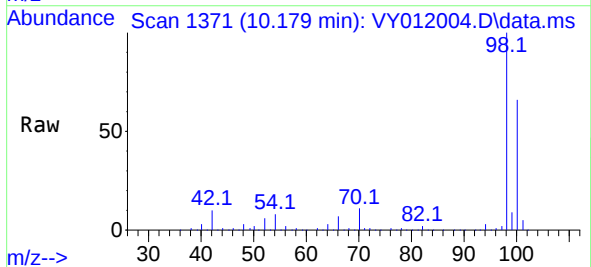


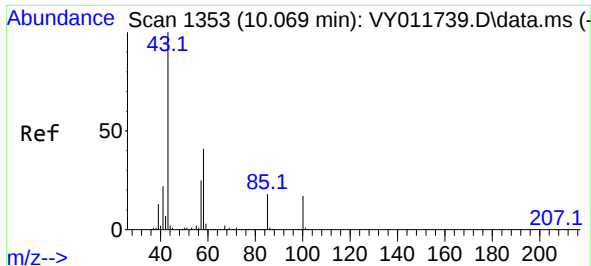
Tgt Ion:117 Resp: 19379
Ion Ratio Lower Upper
117 100
119 7.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.288 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

Tgt Ion: 98 Resp: 404646
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

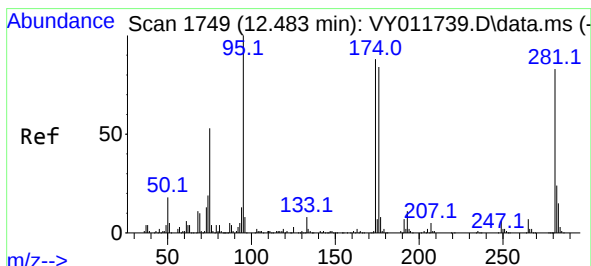
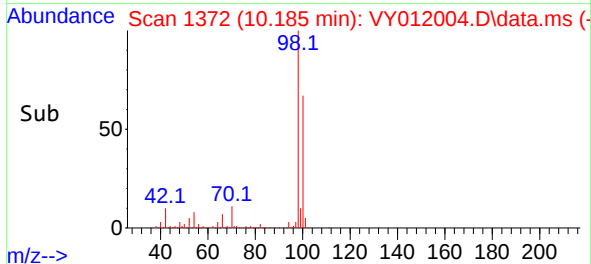
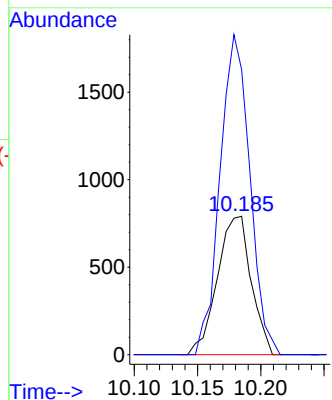
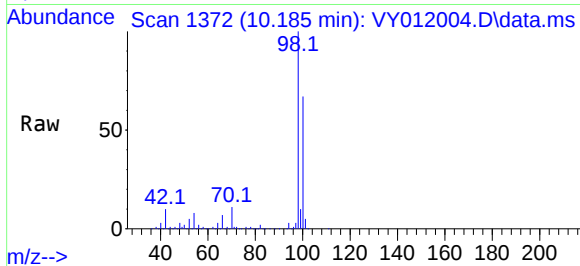




#51
4-Methyl-2-Pentanone
Concen: 1.039 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

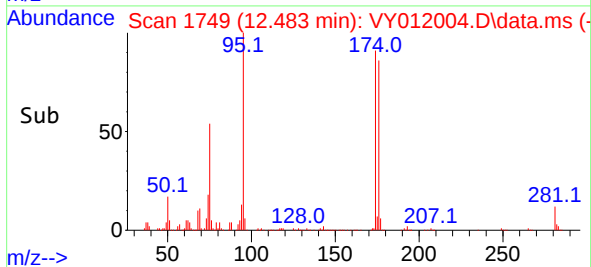
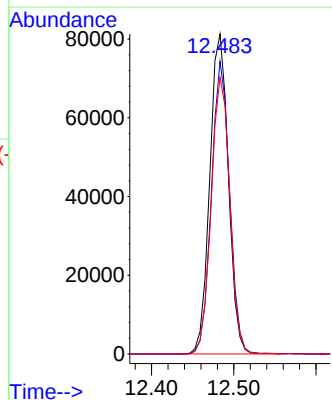
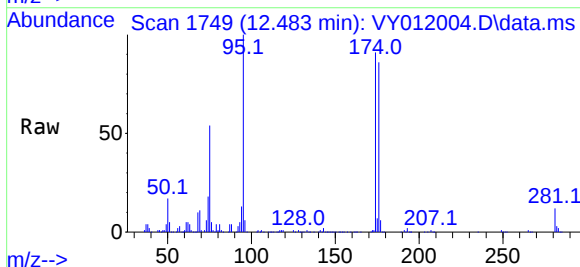
Instrument :
MSVOA_Y
ClientSampleId :

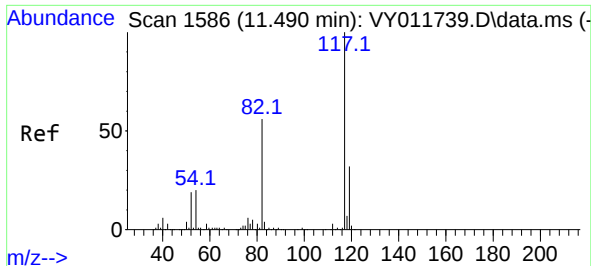
Tgt Ion: 43 Resp: 1473
Ion Ratio Lower Upper
43 100
58 203.7 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 46.201 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

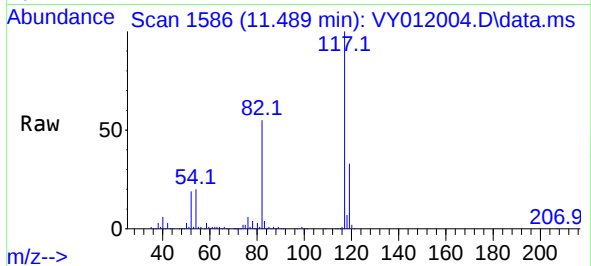
Tgt Ion: 95 Resp: 127567
Ion Ratio Lower Upper
95 100
174 89.7 0.0 172.0
176 86.3 0.0 167.6



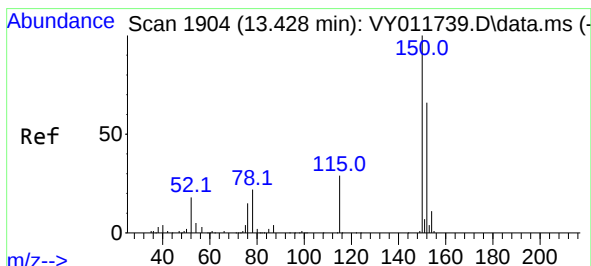
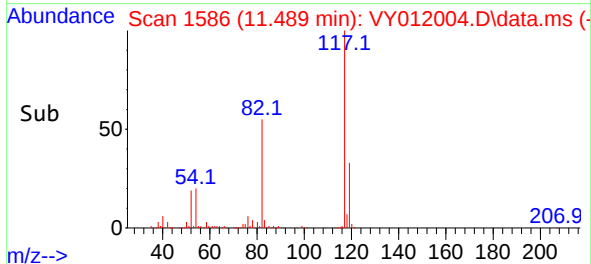
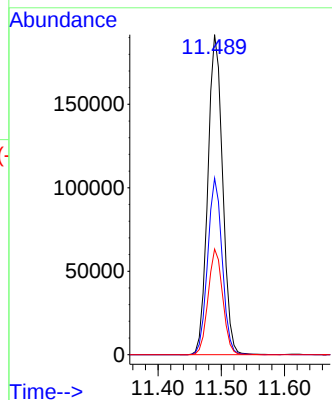


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

Instrument :
MSVOA_Y
ClientSampleId :

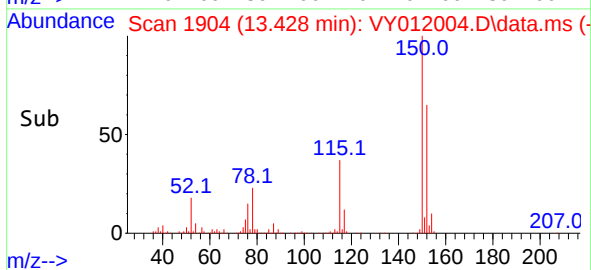
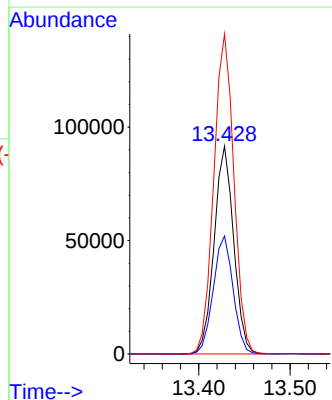
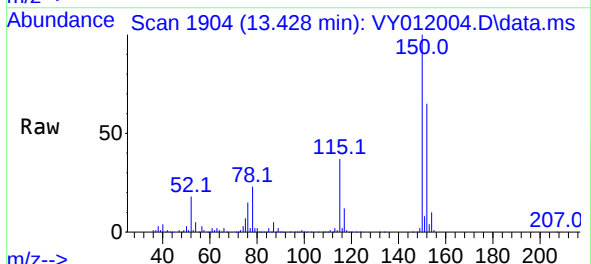


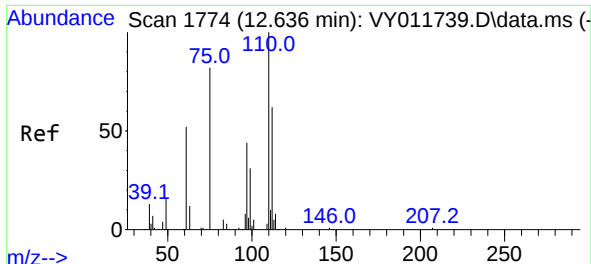
Tgt Ion:117 Resp: 311987
Ion Ratio Lower Upper
117 100
82 55.1 44.8 67.2
119 33.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

Tgt Ion:152 Resp: 136377
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.3
150 158.1 0.0 342.6

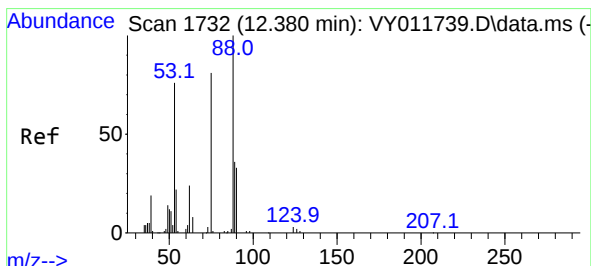
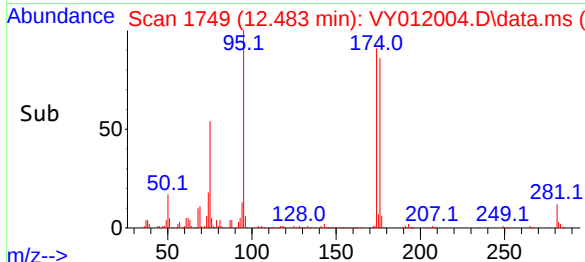
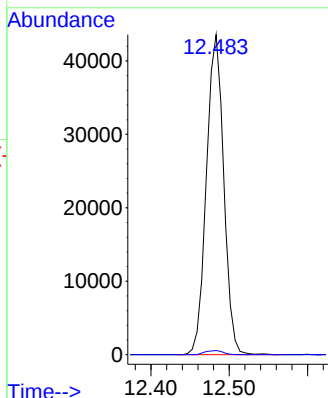
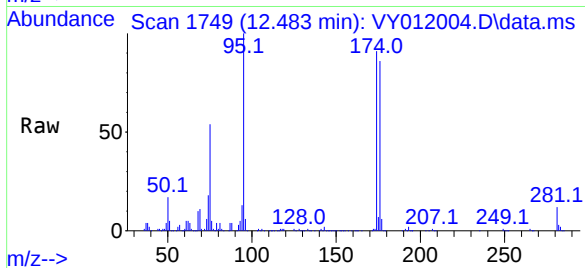




#76
1,2,3-Trichloropropane
Concen: 39.400 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

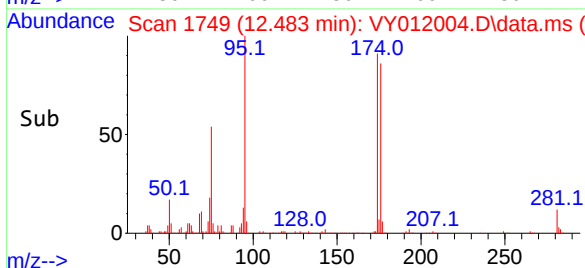
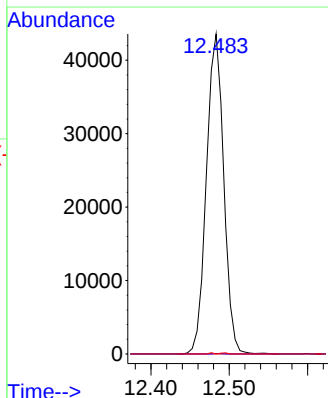
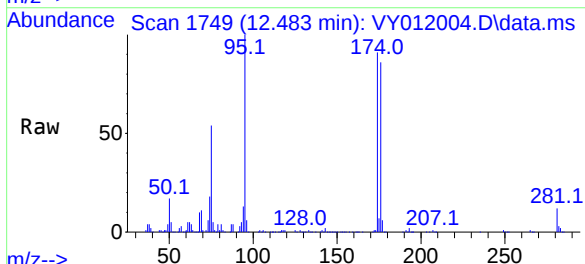
Instrument :
MSVOA_Y
ClientSampleId :

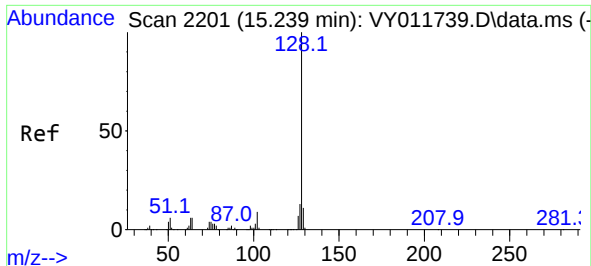
Tgt Ion: 75 Resp: 66862
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.898 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012004.D
Acq: 23 Dec 2022 17:45

Tgt Ion: 75 Resp: 66862
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 2.910 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

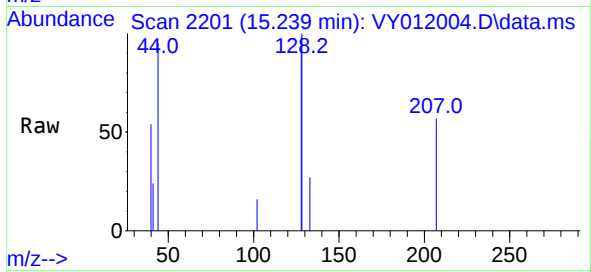
Lab File: VY012004.D

Acq: 23 Dec 2022 17:45

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 702

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

