

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111622\
 Data File : VY011484.D
 Acq On : 16 Nov 2022 19:23
 Operator : KP/MD
 Sample : N5641-14
 Misc : 6.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 03:17:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

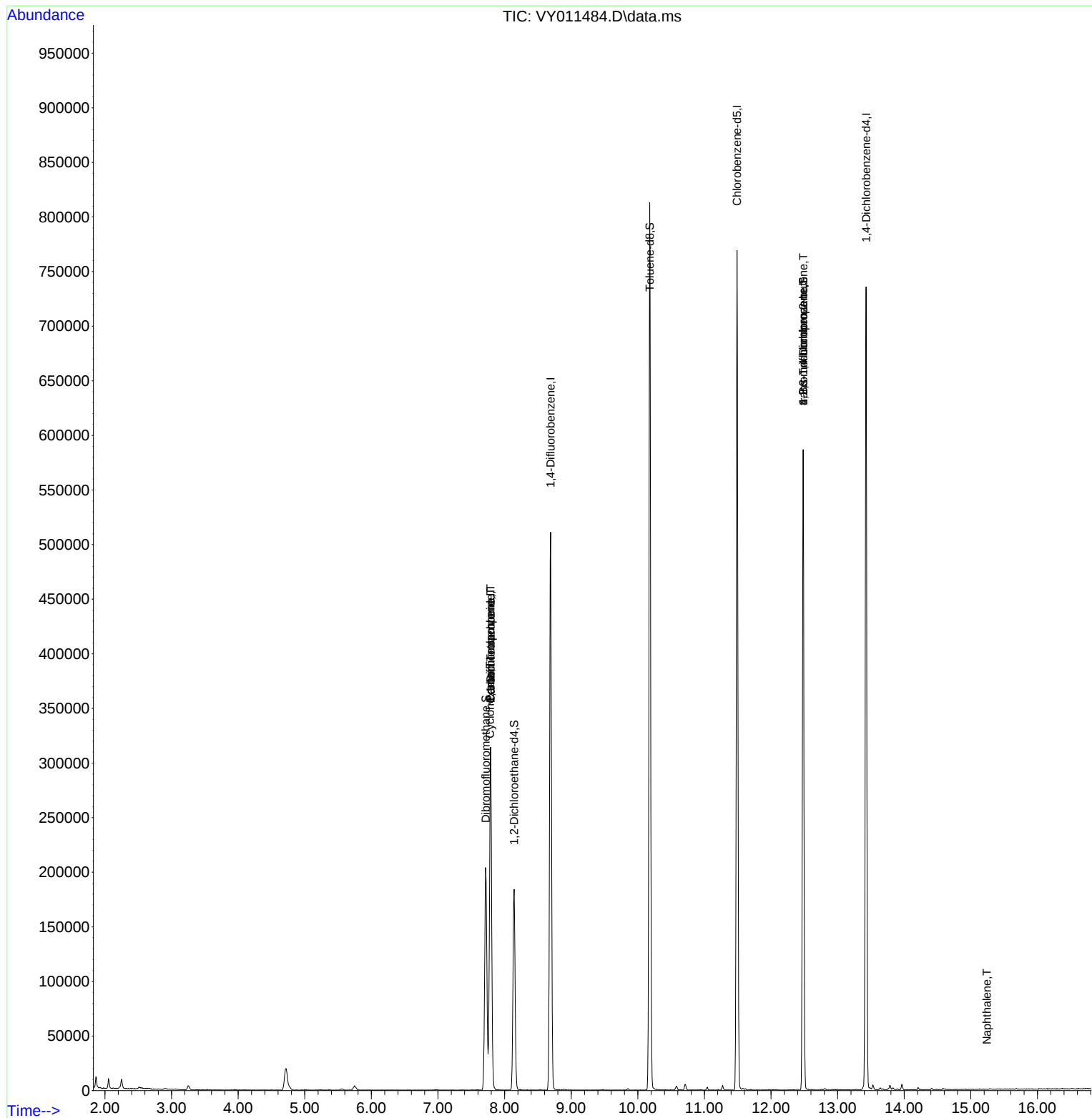
Internal Standards						
1) Pentafluorobenzene	7.789	168	253736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	461235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	446468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	201468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	145328	68.350	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.700%
35) Dibromofluoromethane	7.716	113	144810	56.022	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.040%
50) Toluene-d8	10.179	98	547513	55.445	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.880%
62) 4-Bromofluorobenzene	12.483	95	180690	52.461	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.920%
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	22	Below Cal	#	43
11) Tert butyl alcohol	4.948	59	52	Below Cal	#	77
18) Methyl Acetate	4.478	43	131	Below Cal	#	56
20) Methylene Chloride	4.716	84	16672	Below Cal	#	77
31) Cyclohexane	7.783	56	4255	1.114	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	17021	4.243	ug/l #	51
38) Carbon Tetrachloride	7.789	117	23473	5.379	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	86420	37.057	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	86420	89.075	ug/l #	7
95) Naphthalene	15.239	128	109	3.289	ug/l #	69

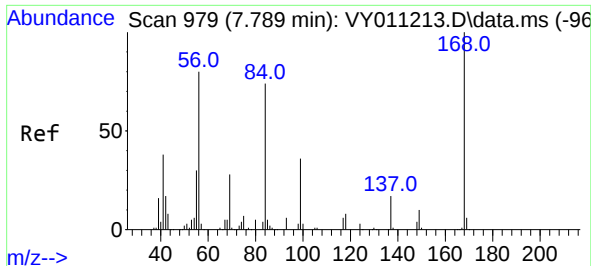
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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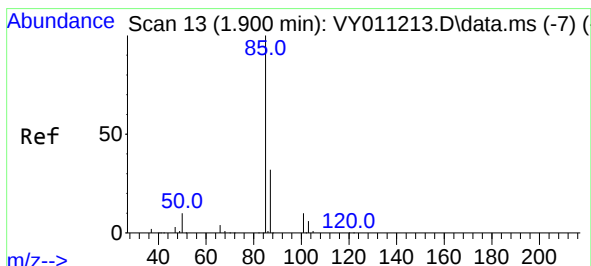
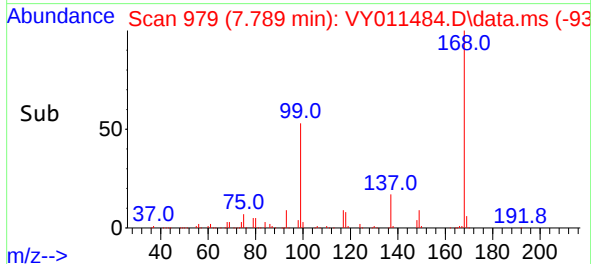
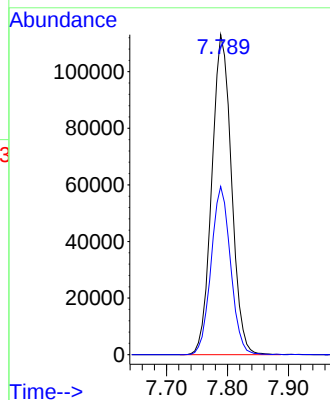
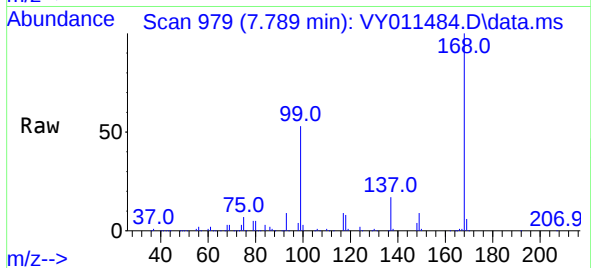




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

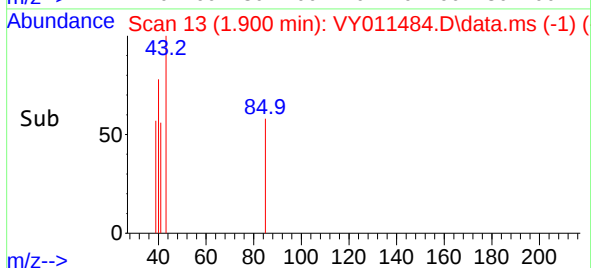
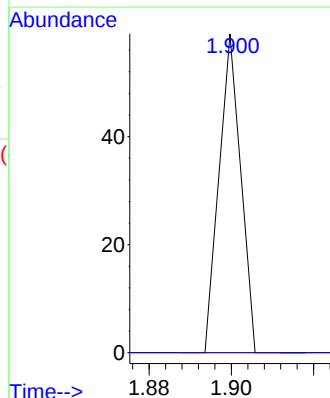
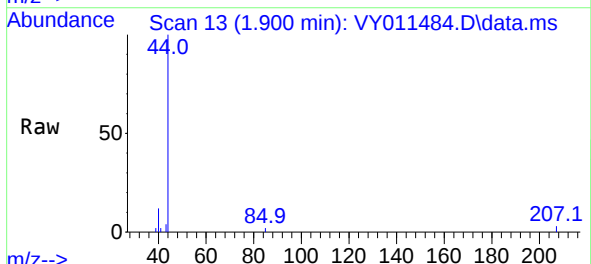
Instrument :
MSVOA_Y
ClientSampleId :

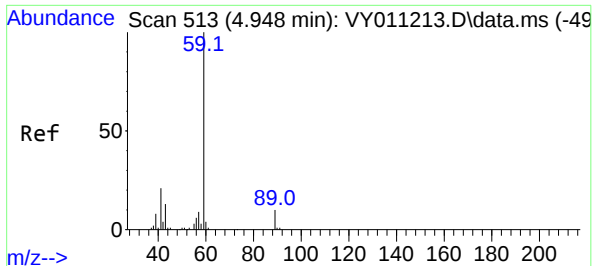
Tgt Ion:168 Resp: 253736
Ion Ratio Lower Upper
168 100
99 52.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY011484.D

Acq: 16 Nov 2022 19:23

Instrument :

MSVOA_Y

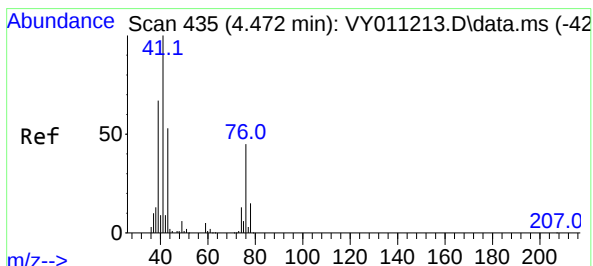
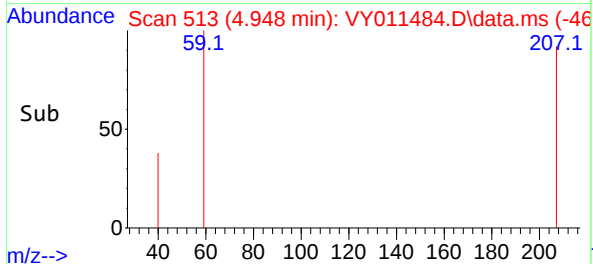
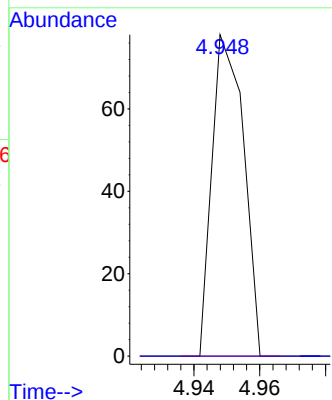
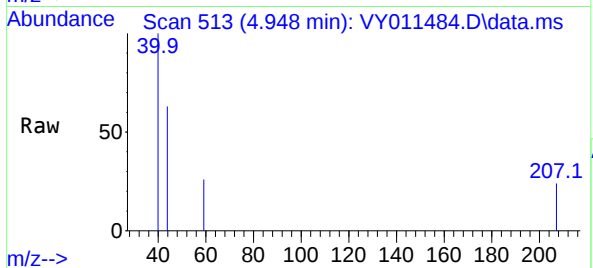
ClientSampleId :

Tgt Ion: 59 Resp: 52

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 436

Delta R.T. 0.005 min

Lab File: VY011484.D

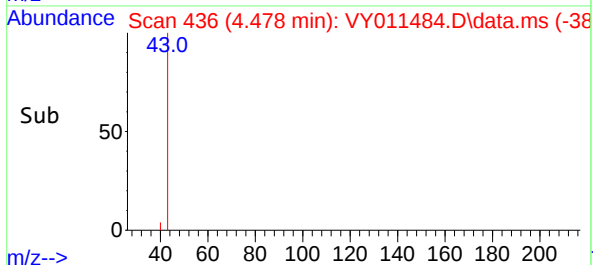
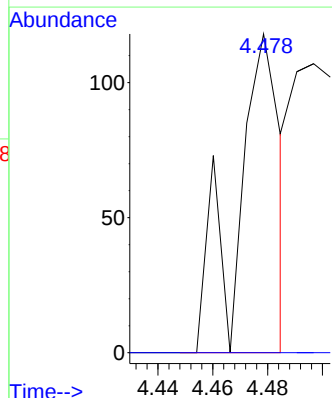
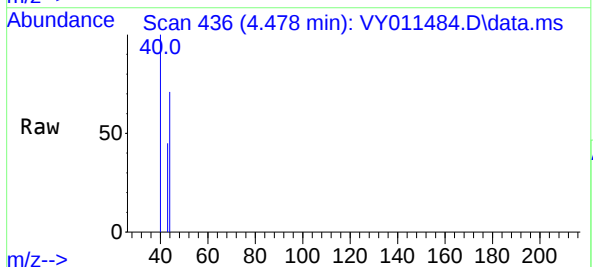
Acq: 16 Nov 2022 19:23

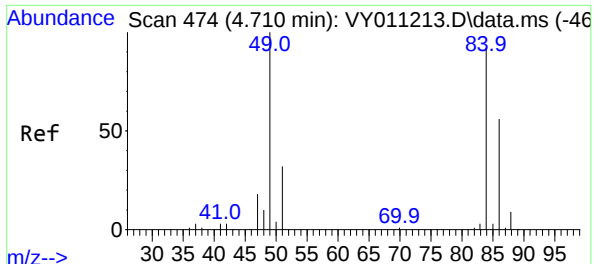
Tgt Ion: 43 Resp: 131

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

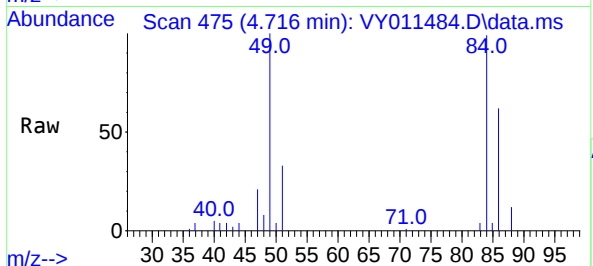
Lab File: VY011484.D

Acq: 16 Nov 2022 19:23

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 16672

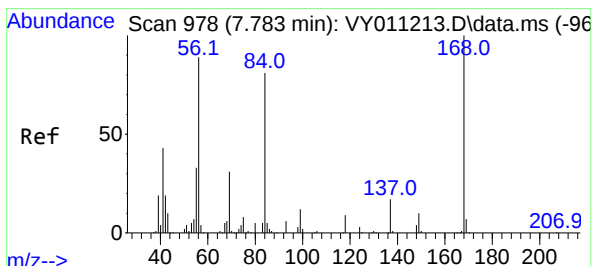
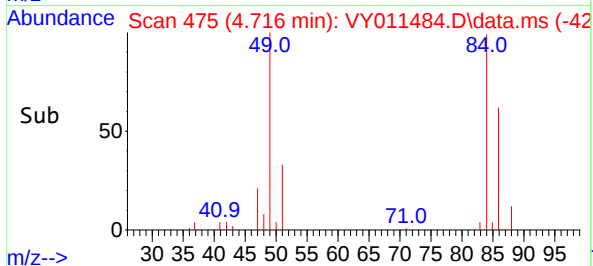
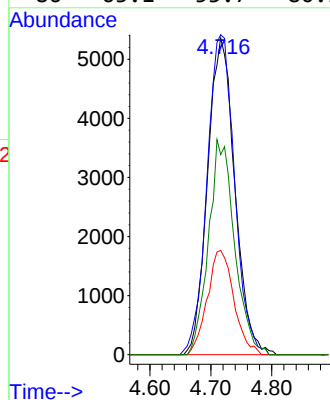
Ion Ratio Lower Upper

84 100

49 101.0 114.4 171.6#

51 33.0 35.3 52.9#

86 63.1 53.7 80.5



#31

Cyclohexane

Concen: 1.114 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY011484.D

Acq: 16 Nov 2022 19:23

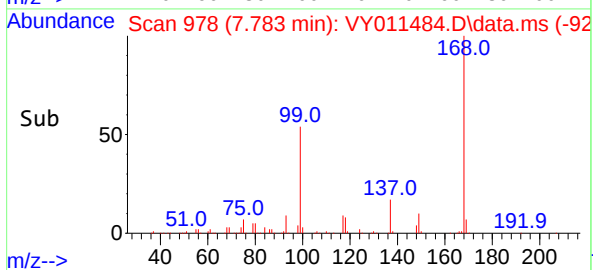
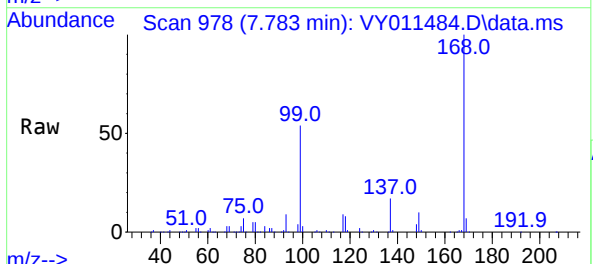
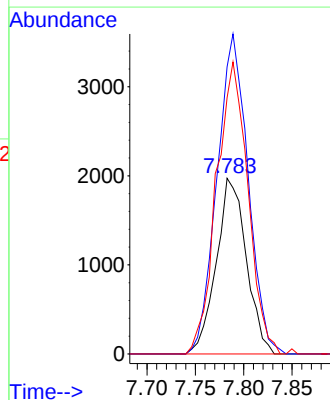
Tgt Ion: 56 Resp: 4255

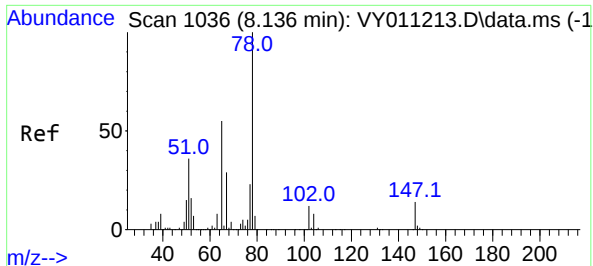
Ion Ratio Lower Upper

56 100

69 163.4 26.7 40.1#

84 145.8 67.2 100.8#

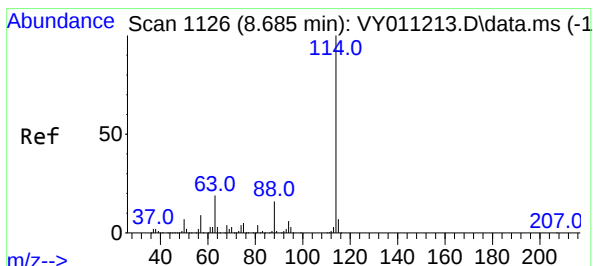
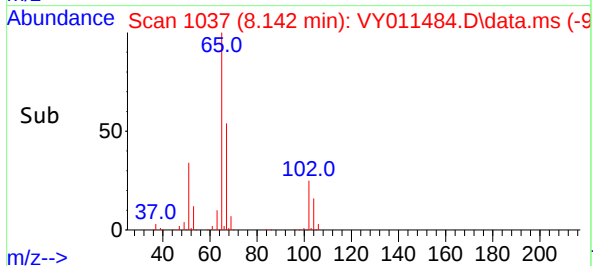
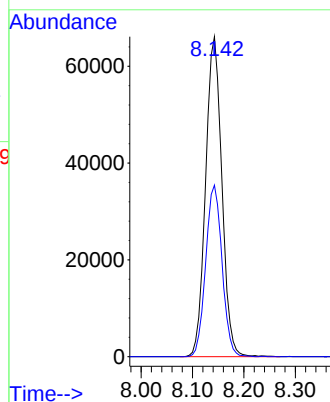
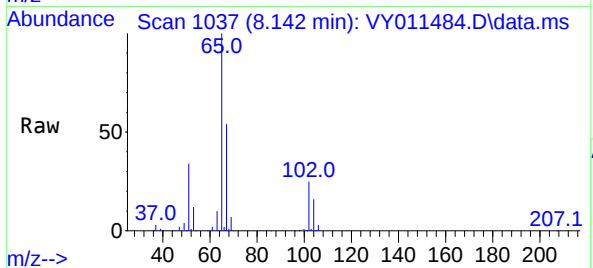




#33
1,2-Dichloroethane-d4
Concen: 68.350 ug/l
RT: 8.142 min Scan# 110
Delta R.T. 0.006 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

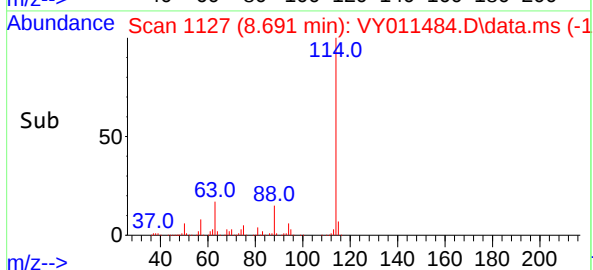
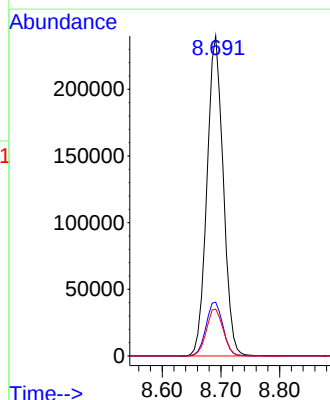
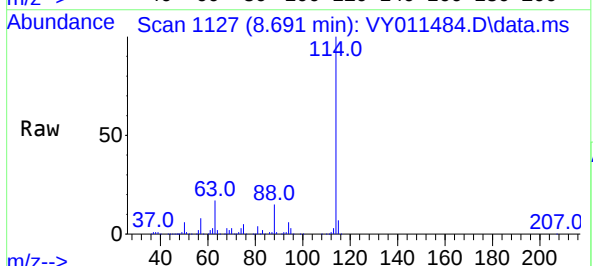
Instrument :
MSVOA_Y
ClientSampleId :

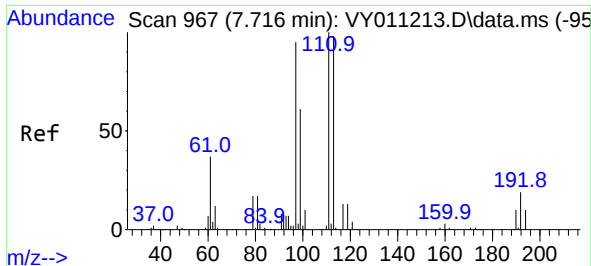
Tgt Ion: 65 Resp: 145328
Ion Ratio Lower Upper
65 100
67 53.7 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

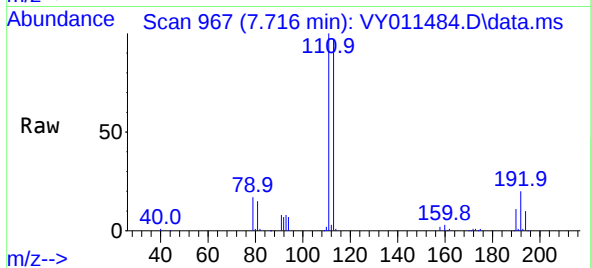
Tgt Ion:114 Resp: 461235
Ion Ratio Lower Upper
114 100
63 16.8 0.0 43.2
88 14.7 0.0 31.8



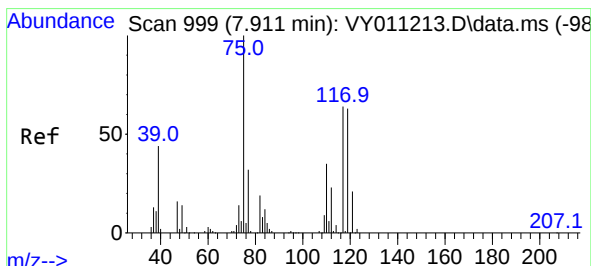
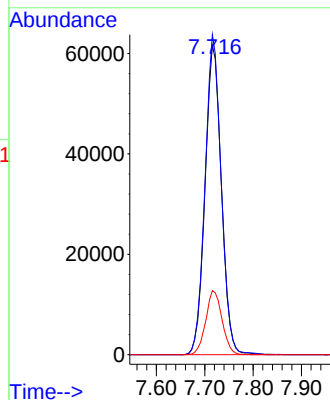
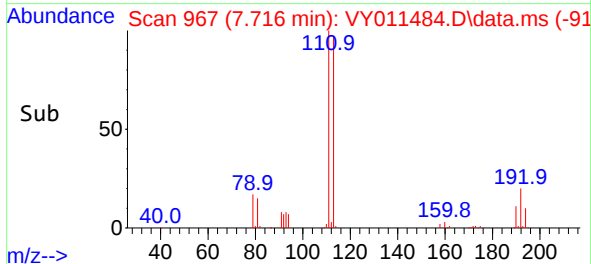


#35
Dibromofluoromethane
Concen: 56.022 ug/l
RT: 7.716 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

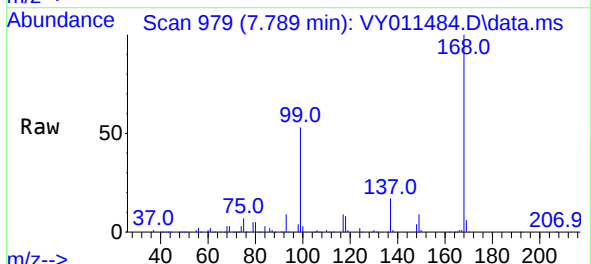
Instrument :
MSVOA_Y
ClientSampleId :



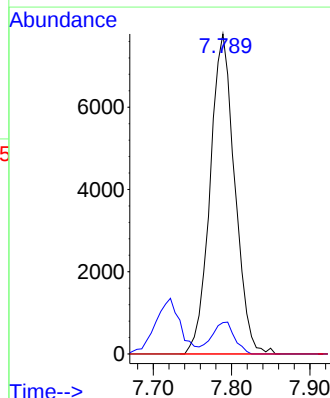
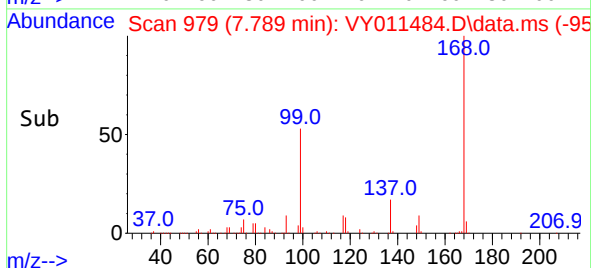
Tgt Ion:113 Resp: 144810
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 20.7 17.6 26.4

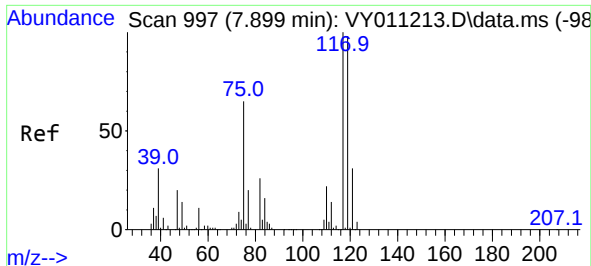


#36
1,1-Dichloropropene
Concen: 4.243 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23



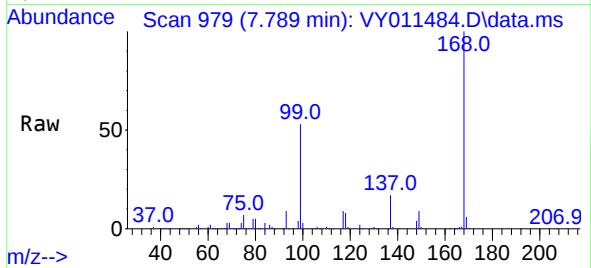
Tgt Ion: 75 Resp: 17021
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#



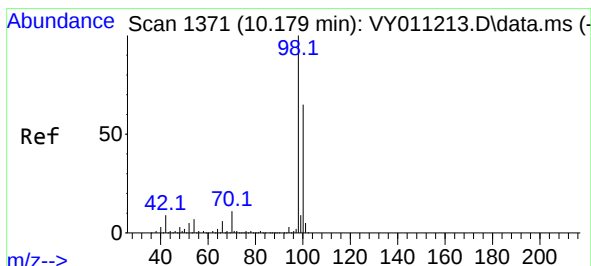
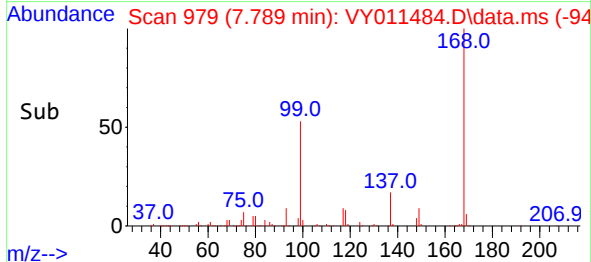
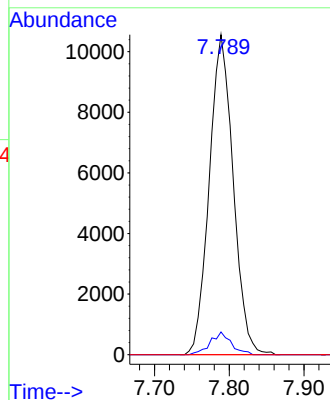


#38
Carbon Tetrachloride
Concen: 5.379 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

Instrument :
MSVOA_Y
ClientSampleId :

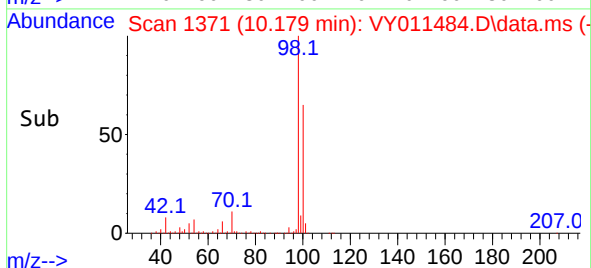
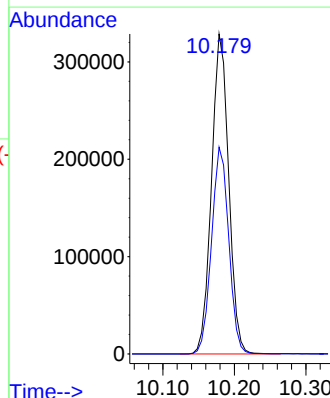
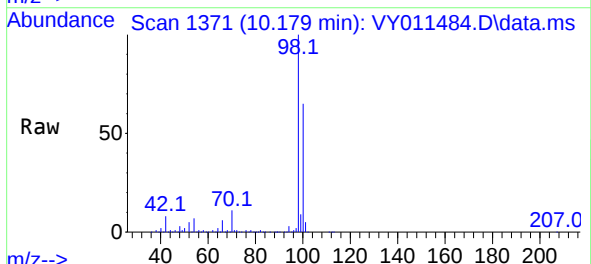


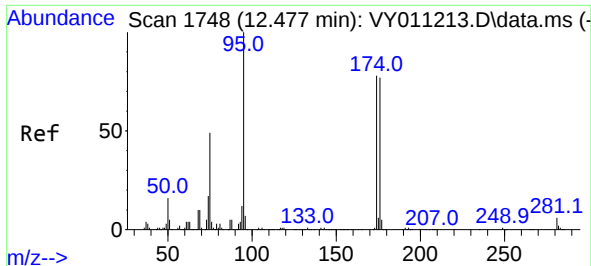
Tgt Ion:117 Resp: 23473
Ion Ratio Lower Upper
117 100
119 7.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.445 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

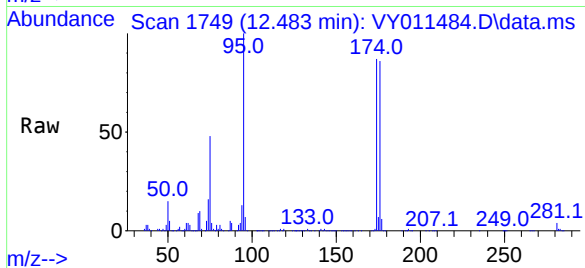
Tgt Ion: 98 Resp: 547513
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



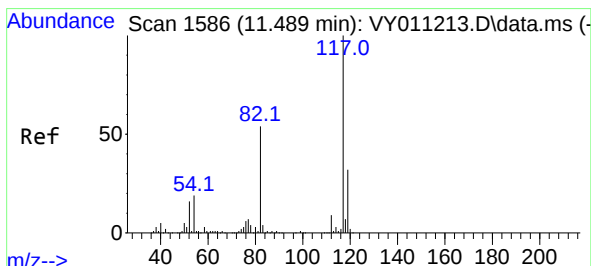
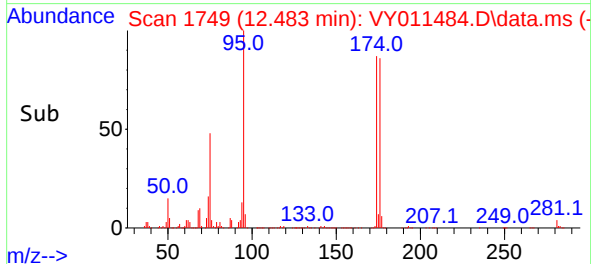
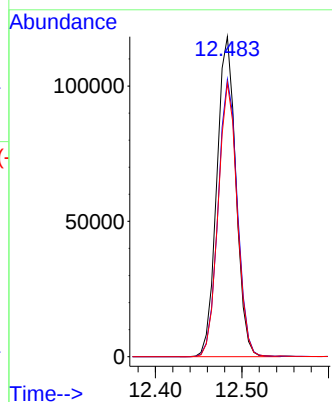


#62
4-Bromofluorobenzene
Concen: 52.461 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

Instrument :
MSVOA_Y
ClientSampleId :

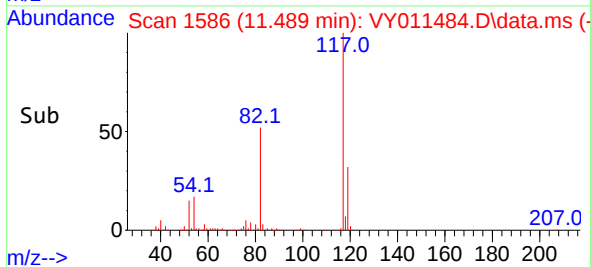
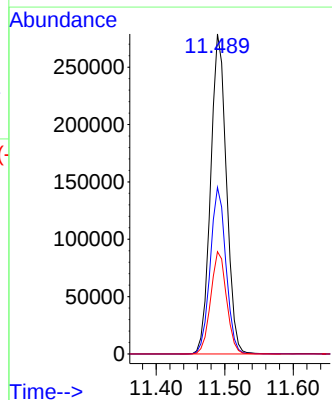
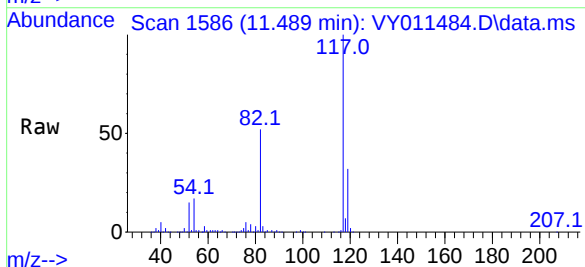


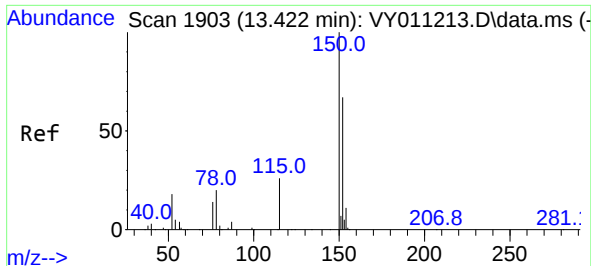
Tgt Ion: 95 Resp: 180690
Ion Ratio Lower Upper
95 100
174 87.5 0.0 177.0
176 85.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

Tgt Ion: 117 Resp: 446468
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 32.0 25.4 38.0



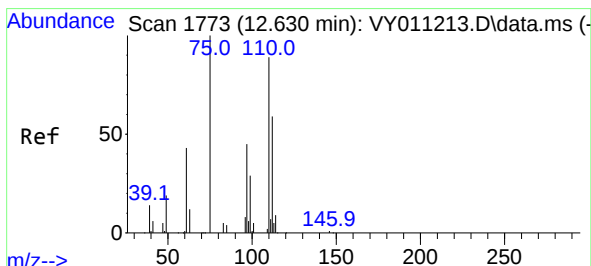
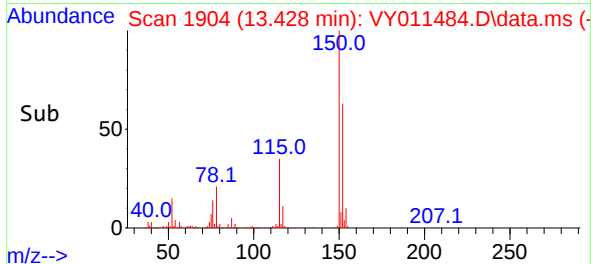
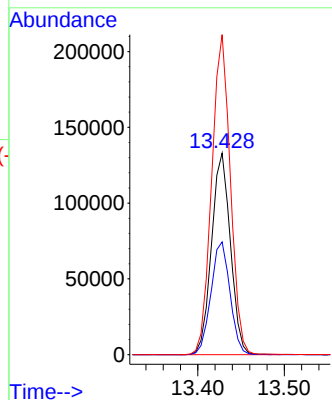
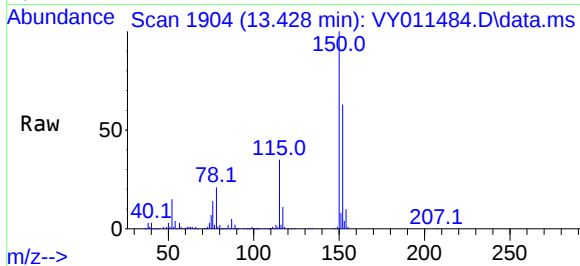


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. 0.006 min
 Lab File: VY011484.D
 Acq: 16 Nov 2022 19:23

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:152 Resp: 201468

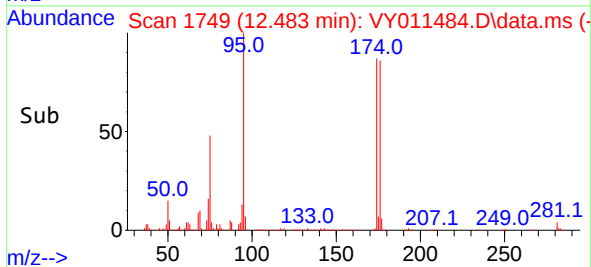
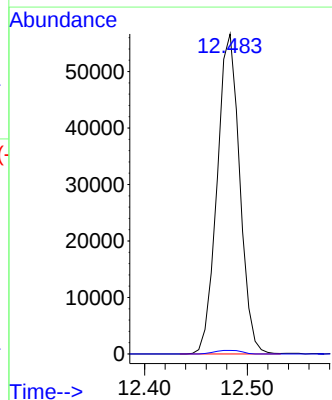
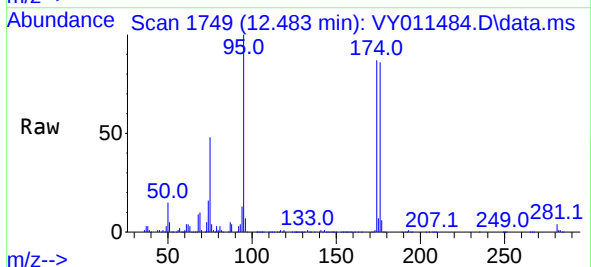
Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.2	84.7
150	157.2	0.0	347.6

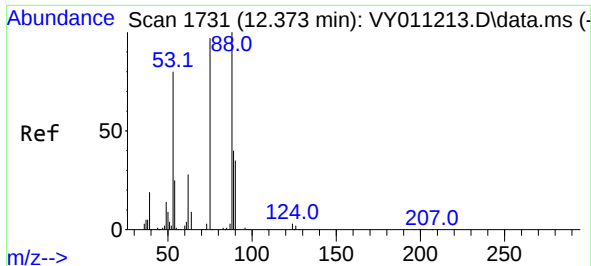


#76
 1,2,3-Trichloropropane
 Concen: 37.057 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY011484.D
 Acq: 16 Nov 2022 19:23

Tgt Ion: 75 Resp: 86420

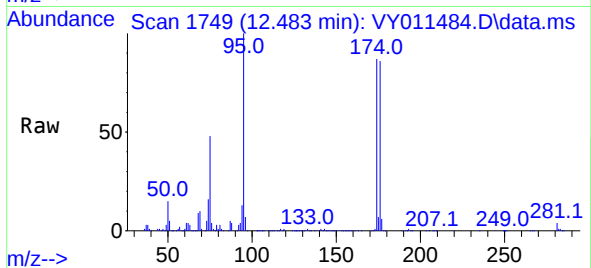
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



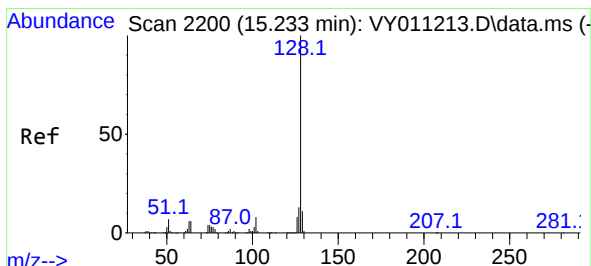
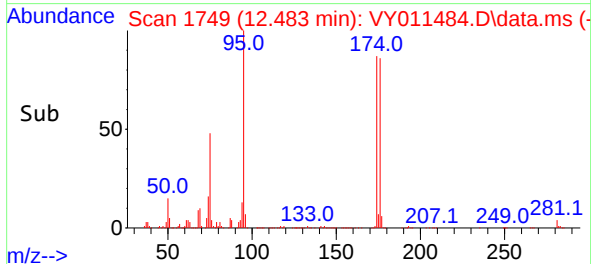
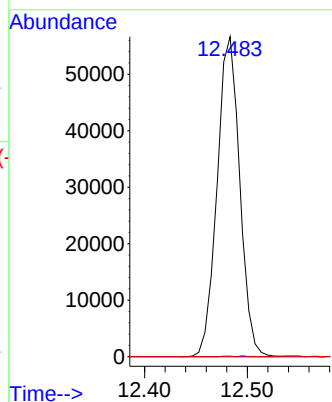


#81
trans-1,4-Dichloro-2-butene
Concen: 89.075 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 86420
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 3.289 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011484.D
Acq: 16 Nov 2022 19:23

Tgt Ion: 128 Resp: 109
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

