

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120122\
 Data File : VY011664.D
 Acq On : 01 Dec 2022 15:53
 Operator : KP/MD
 Sample : N5823-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-2-113022

Quant Time: Dec 02 03:21:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

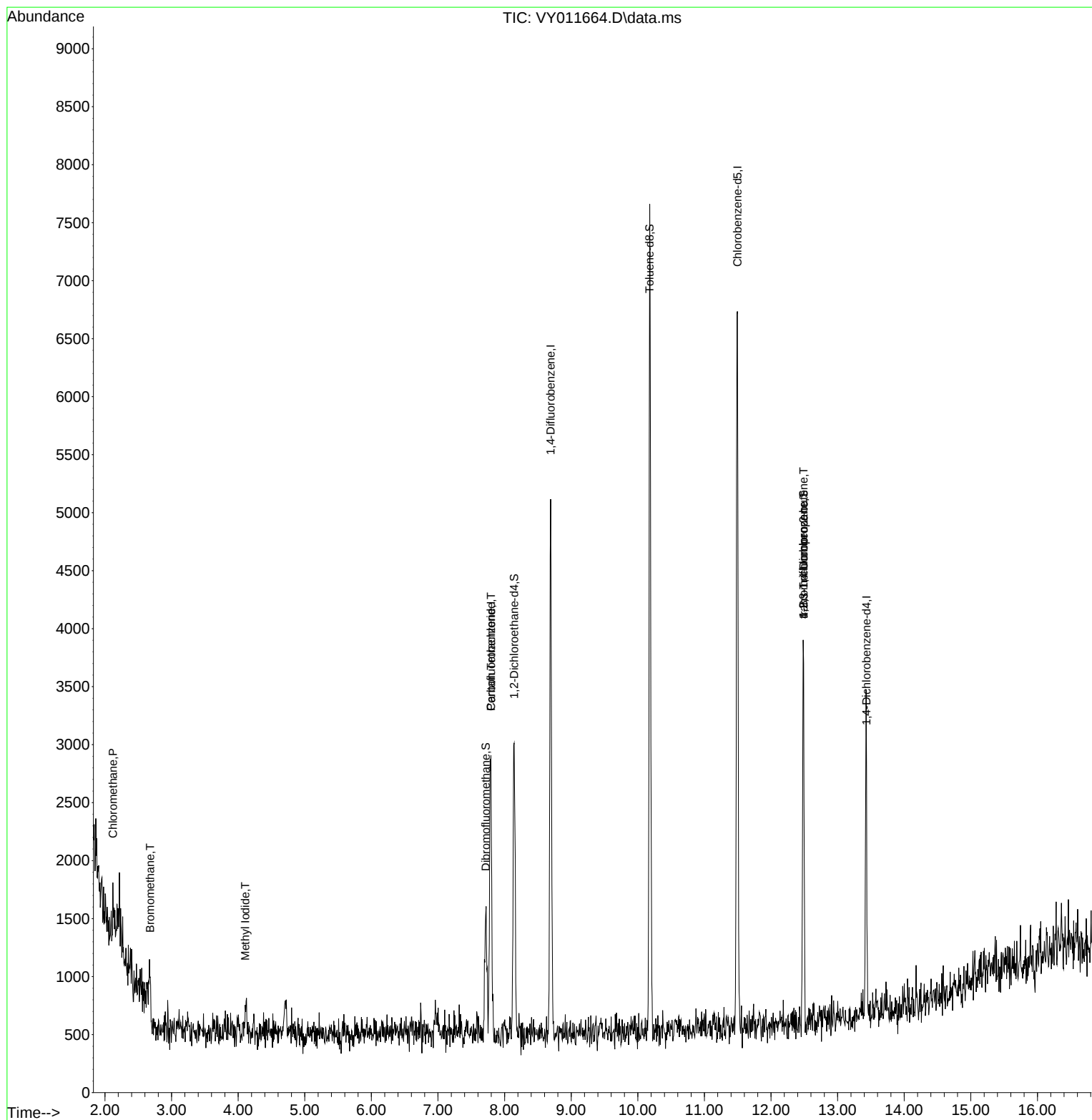
Internal Standards						
1) Pentafluorobenzene	7.795	168	2494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	4049	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	2005	79.174	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 158.340%	
35) Dibromofluoromethane	7.716	113	914	34.731	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 69.460%	
50) Toluene-d8	10.179	98	4792	50.109	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.220%	
62) 4-Bromofluorobenzene	12.489	95	1271	35.947	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 71.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	132	1.969	ug/l #	44
5) Bromomethane	2.680	94	176	6.282	ug/l #	59
10) Methyl Iodide	4.107	142	296	10.618	ug/l #	75
20) Methylene Chloride	4.704	84	198	Below Cal	#	44
38) Carbon Tetrachloride	7.795	117	181	3.933	ug/l #	11
76) 1,2,3-Trichloropropane	12.489	75	654	67.251	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	654	147.303	ug/l #	7

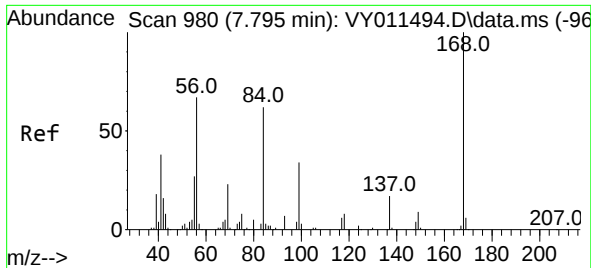
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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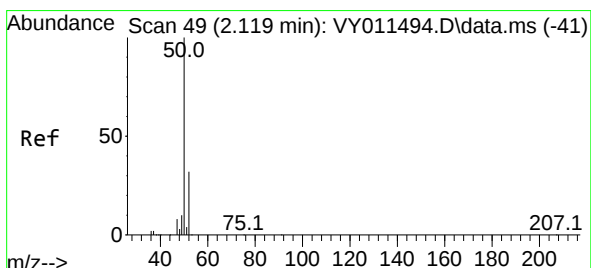
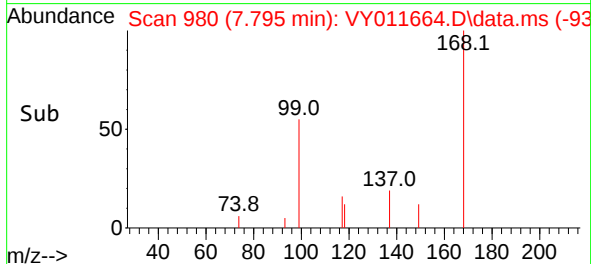
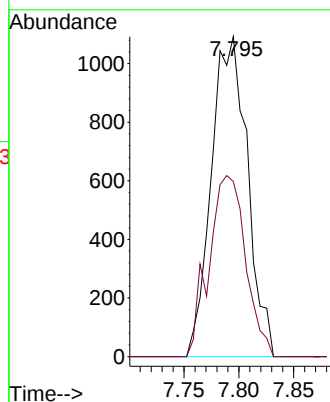
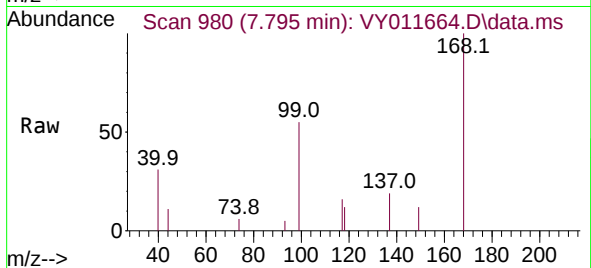




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011664.D
Acq: 01 Dec 2022 15:53

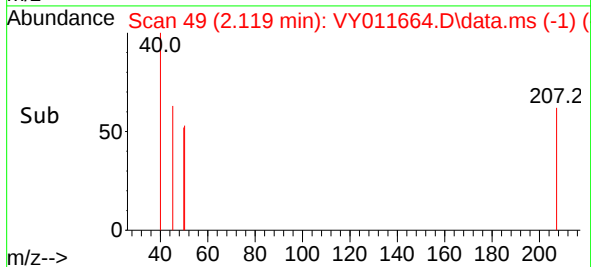
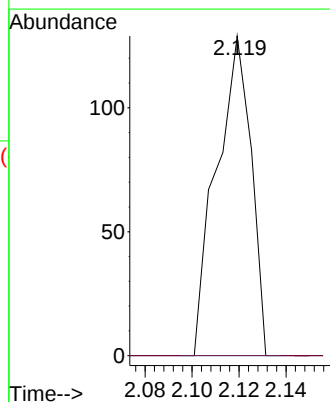
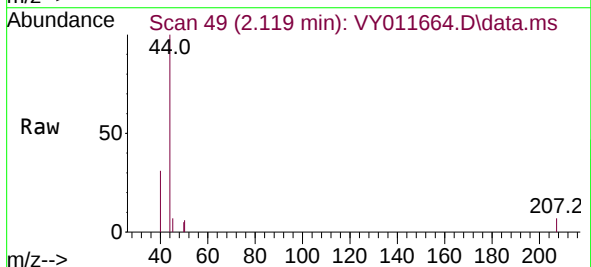
Instrument :
MSVOA_Y
ClientSampleId :
OE-2-113022

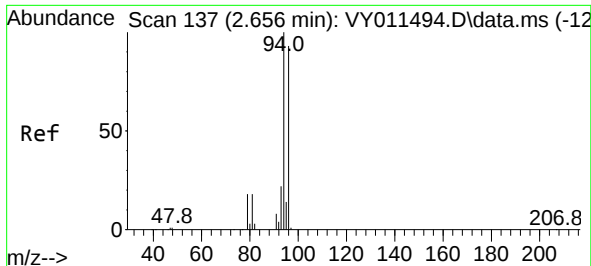
Tgt Ion:168 Resp: 2494
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#3
Chloromethane
Concen: 1.969 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011664.D
Acq: 01 Dec 2022 15:53

Tgt Ion: 50 Resp: 132
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

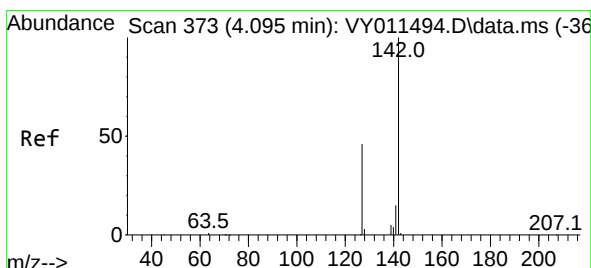
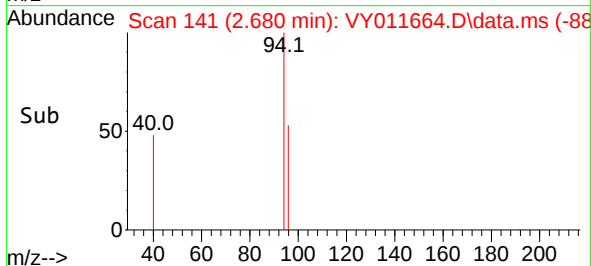
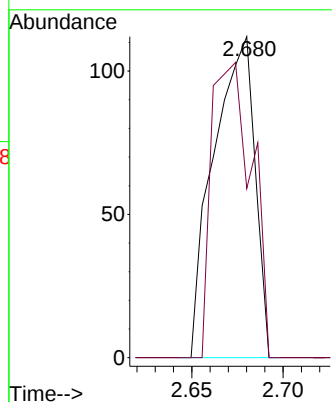
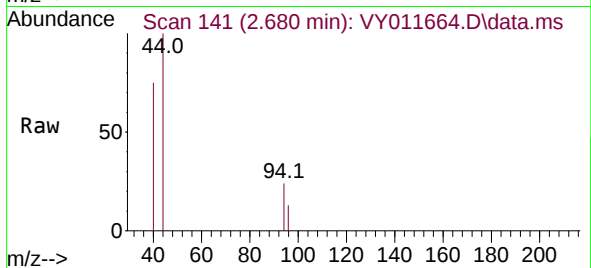




#5
Bromomethane
Concen: 6.282 ug/l
RT: 2.680 min Scan# 141
Delta R.T. 0.024 min
Lab File: VY011664.D
Acq: 01 Dec 2022 15:53

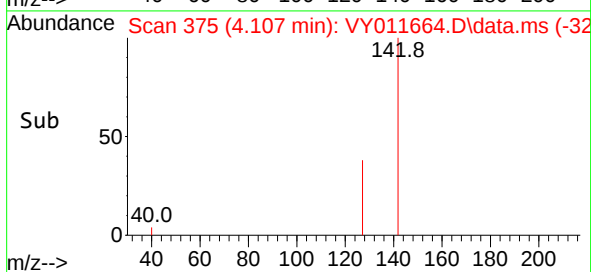
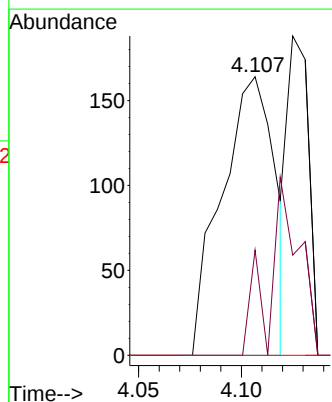
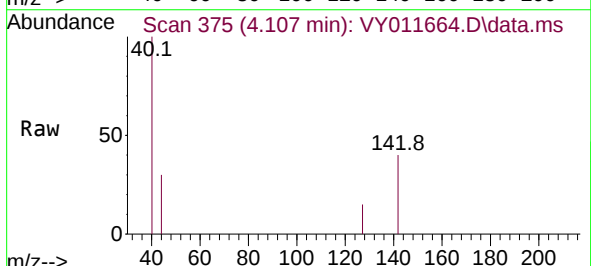
Instrument :
MSVOA_Y
ClientSampleId :
OE-2-113022

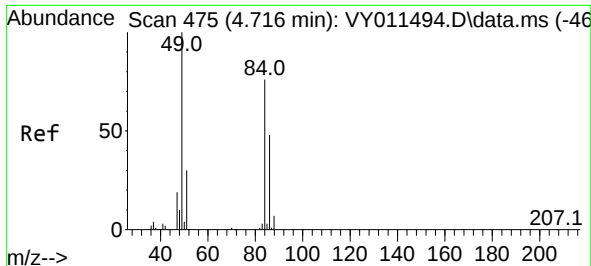
Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 52.7 73.5 110.3#



#10
Methyl Iodide
Concen: 10.618 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY011664.D
Acq: 01 Dec 2022 15:53

Tgt Ion: 142 Resp: 296
Ion Ratio Lower Upper
142 100
127 36.1 41.5 62.3#
141 0.0 11.9 17.9#

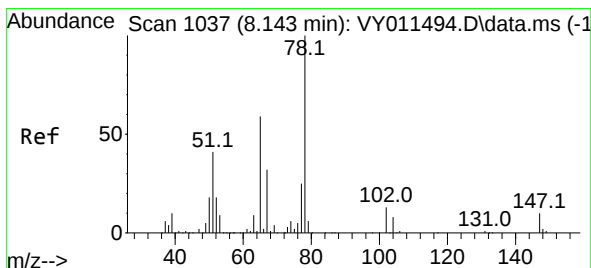
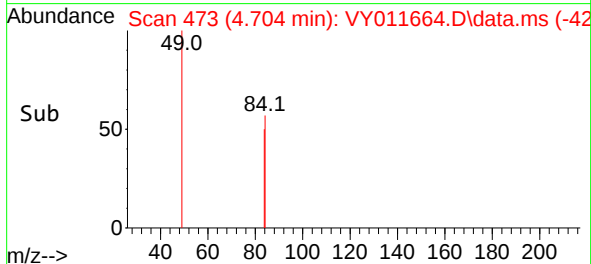
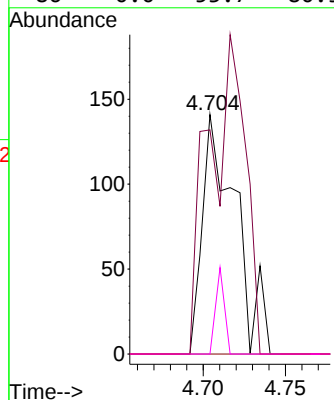
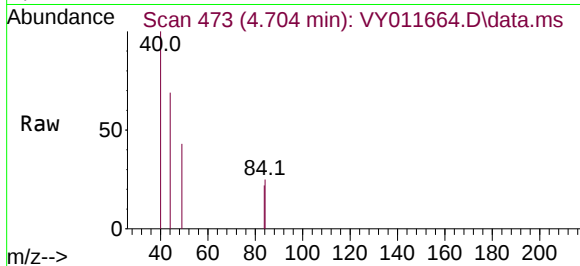




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY011664.D
Acq: 01 Dec 2022 15:53

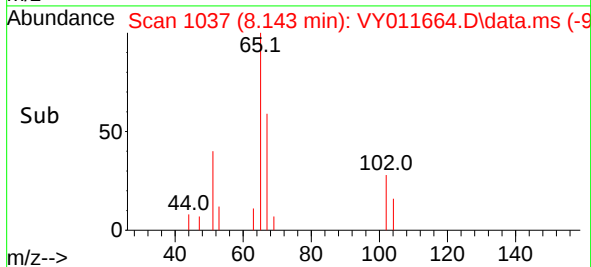
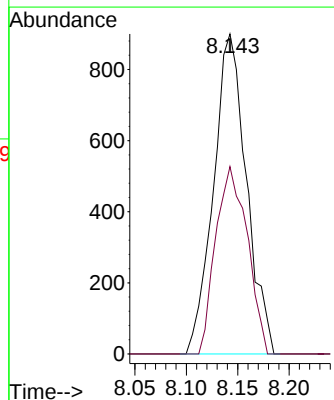
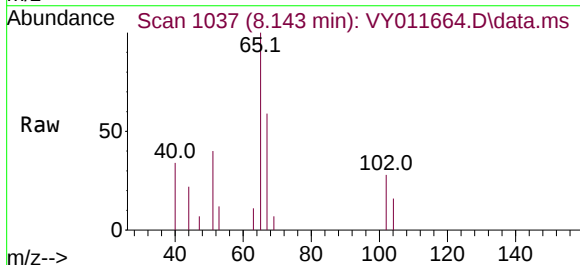
Instrument :
MSVOA_Y
ClientSampleId :
OE-2-113022

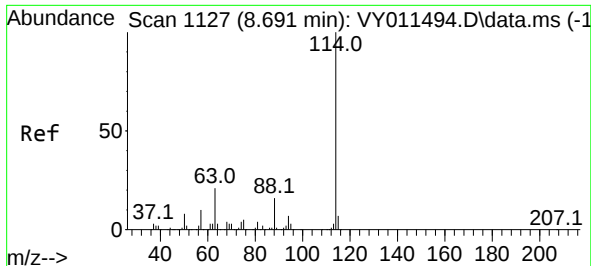
Tgt Ion:	84	Resp:	198
Ion	Ratio	Lower	Upper
84	100		
49	93.6	114.4	171.6#
51	0.0	35.3	52.9#
86	0.0	53.7	80.5#



#33
1,2-Dichloroethane-d4
Concen: 79.174 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011664.D
Acq: 01 Dec 2022 15:53

Tgt Ion:	65	Resp:	2005
Ion	Ratio	Lower	Upper
65	100		
67	56.2	0.0	99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011664.D

Acq: 01 Dec 2022 15:53

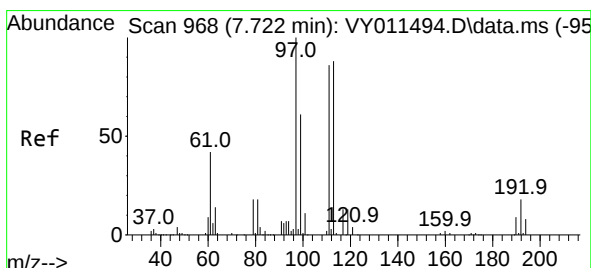
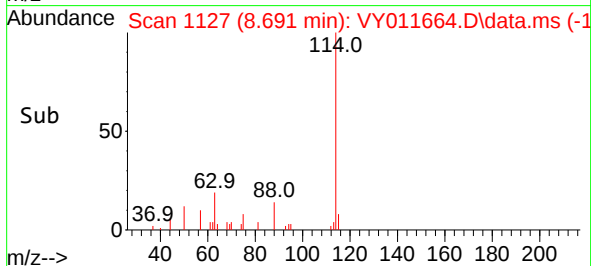
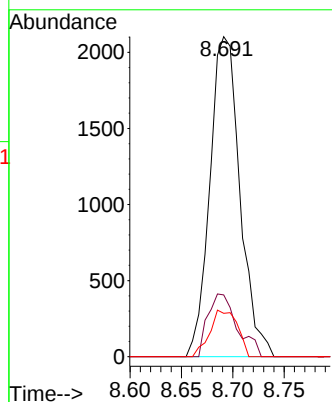
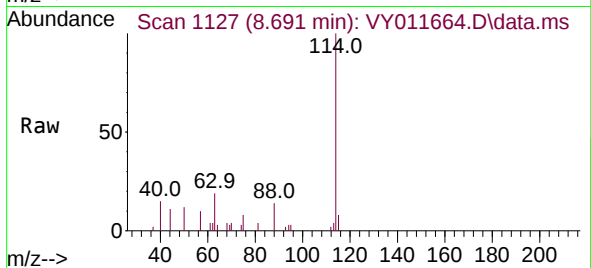
Instrument :

MSVOA_Y

ClientSampleId :

OE-2-113022

Tgt Ion:114	Resp:	4275
Ion	Ratio	Lower Upper
114	100	
63	19.3	0.0 43.2
88	13.6	0.0 31.8



#35

Dibromofluoromethane

Concen: 34.731 ug/l

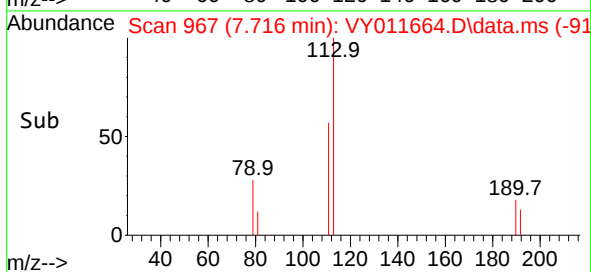
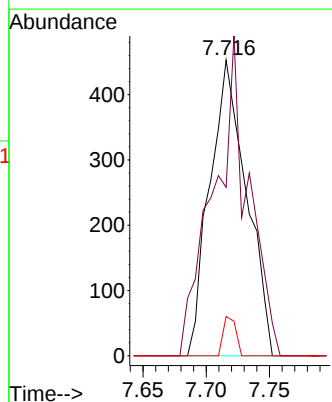
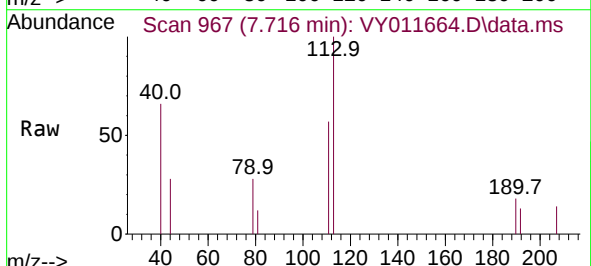
RT: 7.716 min Scan# 967

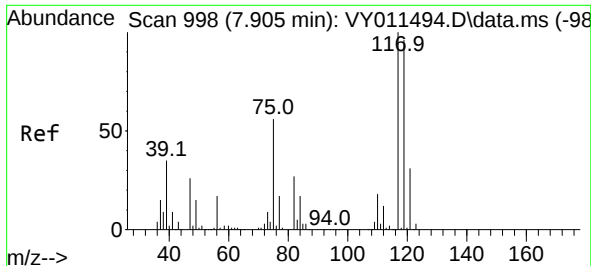
Delta R.T. -0.006 min

Lab File: VY011664.D

Acq: 01 Dec 2022 15:53

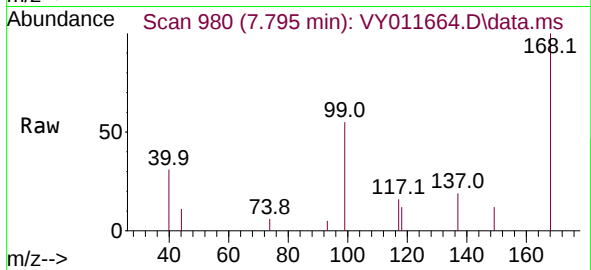
Tgt Ion:113	Resp:	914
Ion	Ratio	Lower Upper
113	100	
111	102.6	82.6 124.0
192	4.5	17.6 26.4



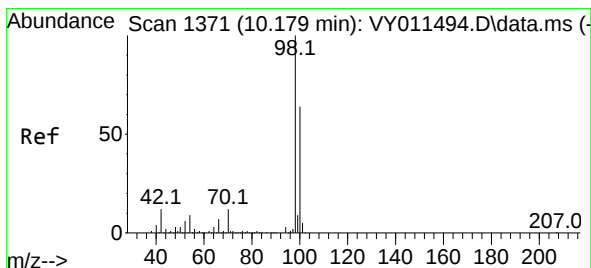
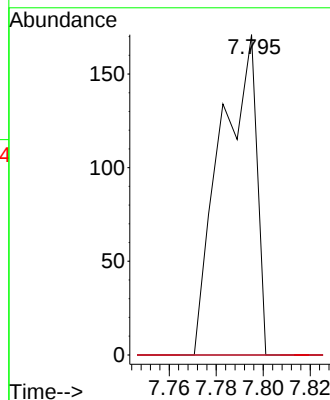
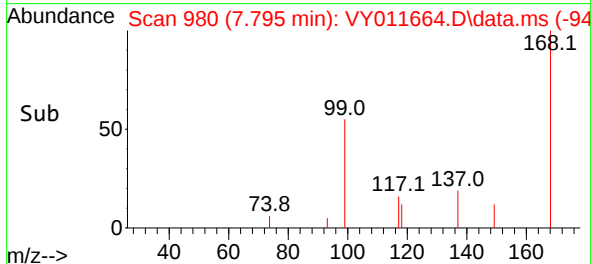


#38
Carbon Tetrachloride
Concen: 3.933 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011664.D
Acq: 01 Dec 2022 15:53

Instrument :
MSVOA_Y
ClientSampleId :
OE-2-113022

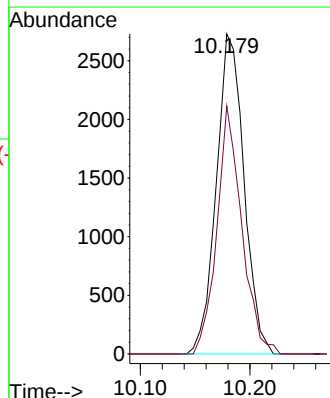
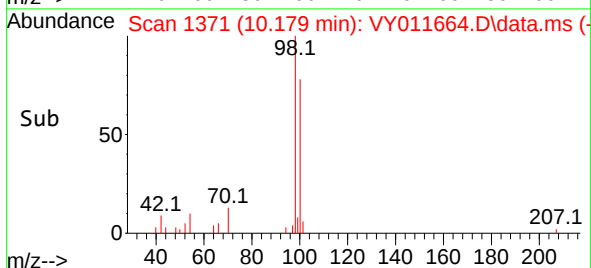
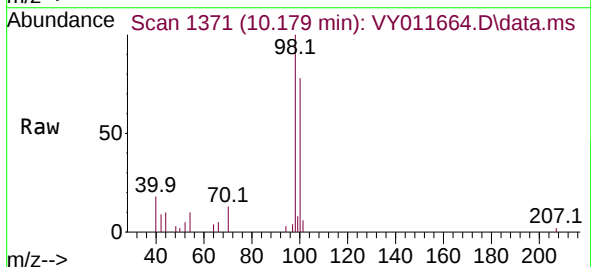


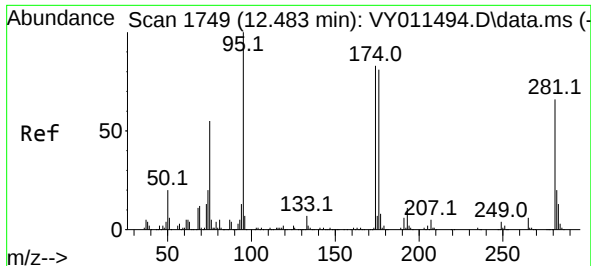
Tgt Ion:117 Resp: 181
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.109 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011664.D
Acq: 01 Dec 2022 15:53

Tgt Ion: 98 Resp: 4792
Ion Ratio Lower Upper
98 100
100 69.5 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 35.947 ug/l

RT: 12.489 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY011664.D

Acq: 01 Dec 2022 15:53

Instrument :

MSVOA_Y

ClientSampleId :

OE-2-113022

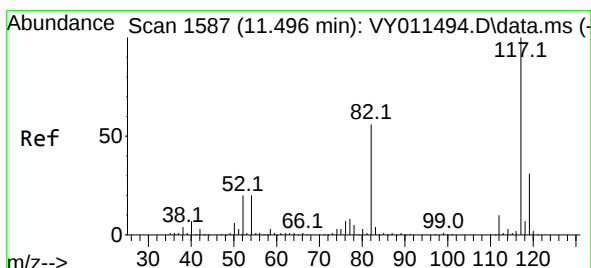
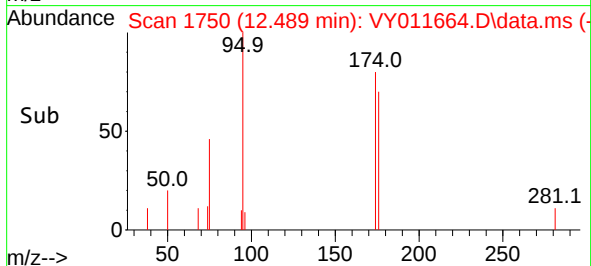
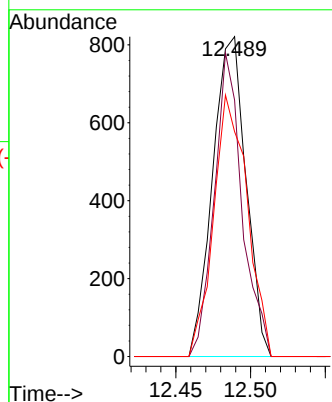
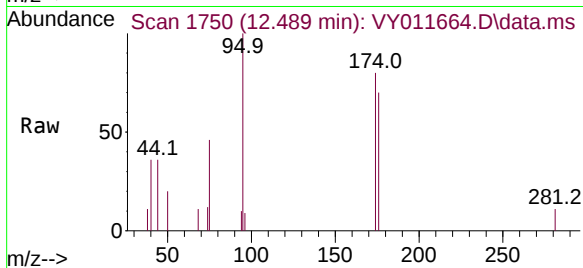
Tgt Ion: 95 Resp: 1271

Ion Ratio Lower Upper

95 100

174 79.5 0.0 177.0

176 82.5 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VY011664.D

Acq: 01 Dec 2022 15:53

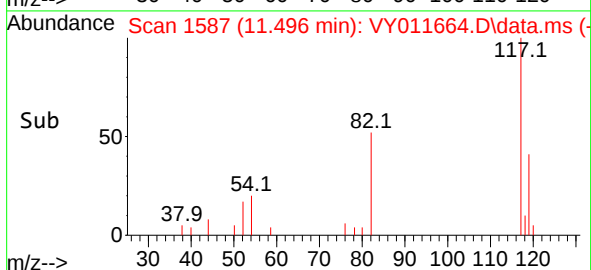
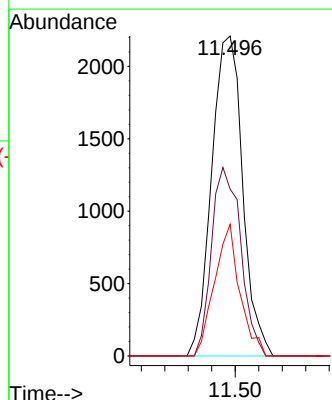
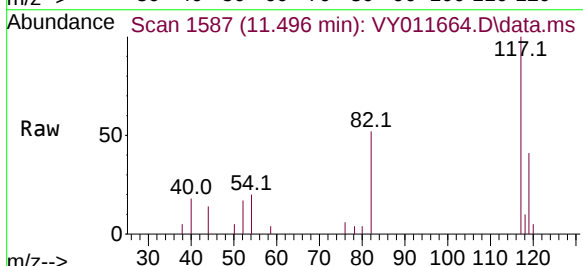
Tgt Ion: 117 Resp: 4049

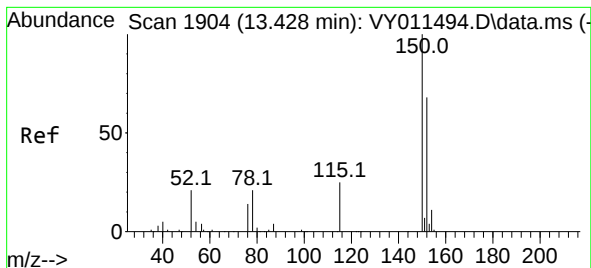
Ion Ratio Lower Upper

117 100

82 52.2 43.0 64.4

119 41.2 25.4 38.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY011664.D

Acq: 01 Dec 2022 15:53

Instrument :

MSVOA_Y

ClientSampleId :

OE-2-113022

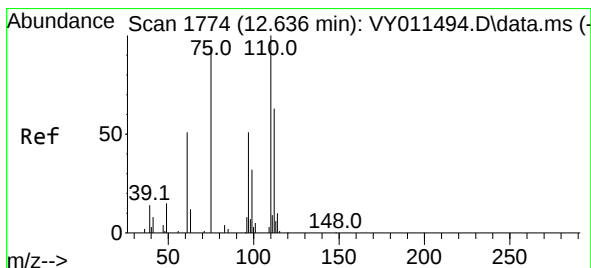
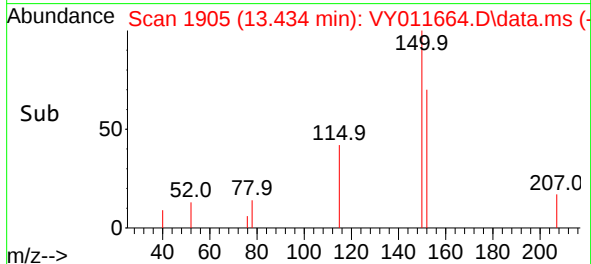
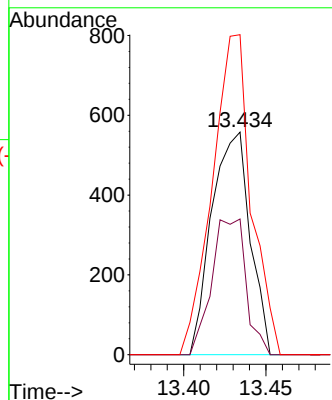
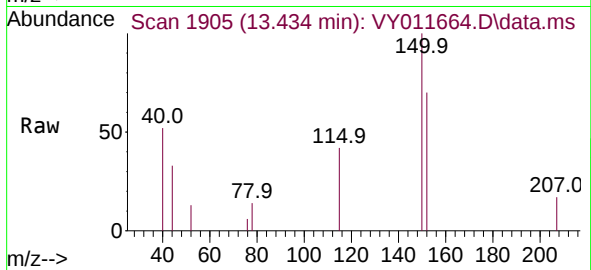
Tgt Ion:152 Resp: 903

Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.7

150 146.3 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 67.251 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.147 min

Lab File: VY011664.D

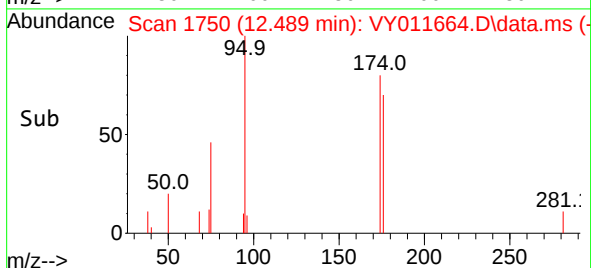
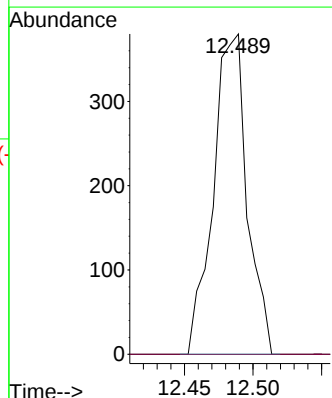
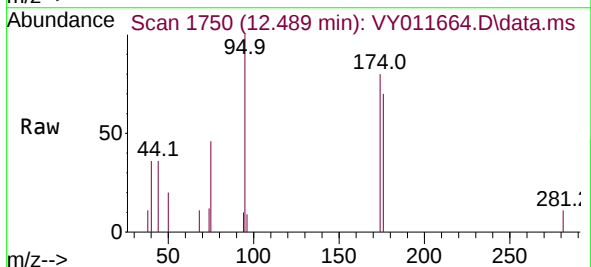
Acq: 01 Dec 2022 15:53

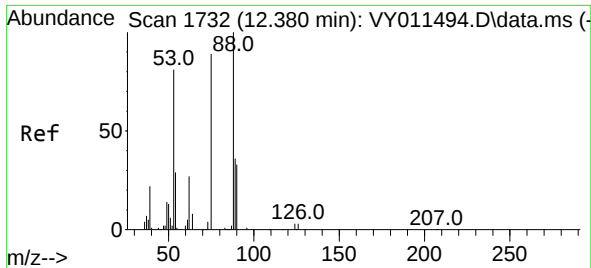
Tgt Ion: 75 Resp: 654

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.303 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY011664.D
 Acq: 01 Dec 2022 15:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 OE-2-113022

Tgt Ion: 75 Resp: 654
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

