

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011183.D
 Acq On : 29 Oct 2022 02:45
 Operator : KP/MD
 Sample : N5310-07
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-3

Quant Time: Oct 29 06:47:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

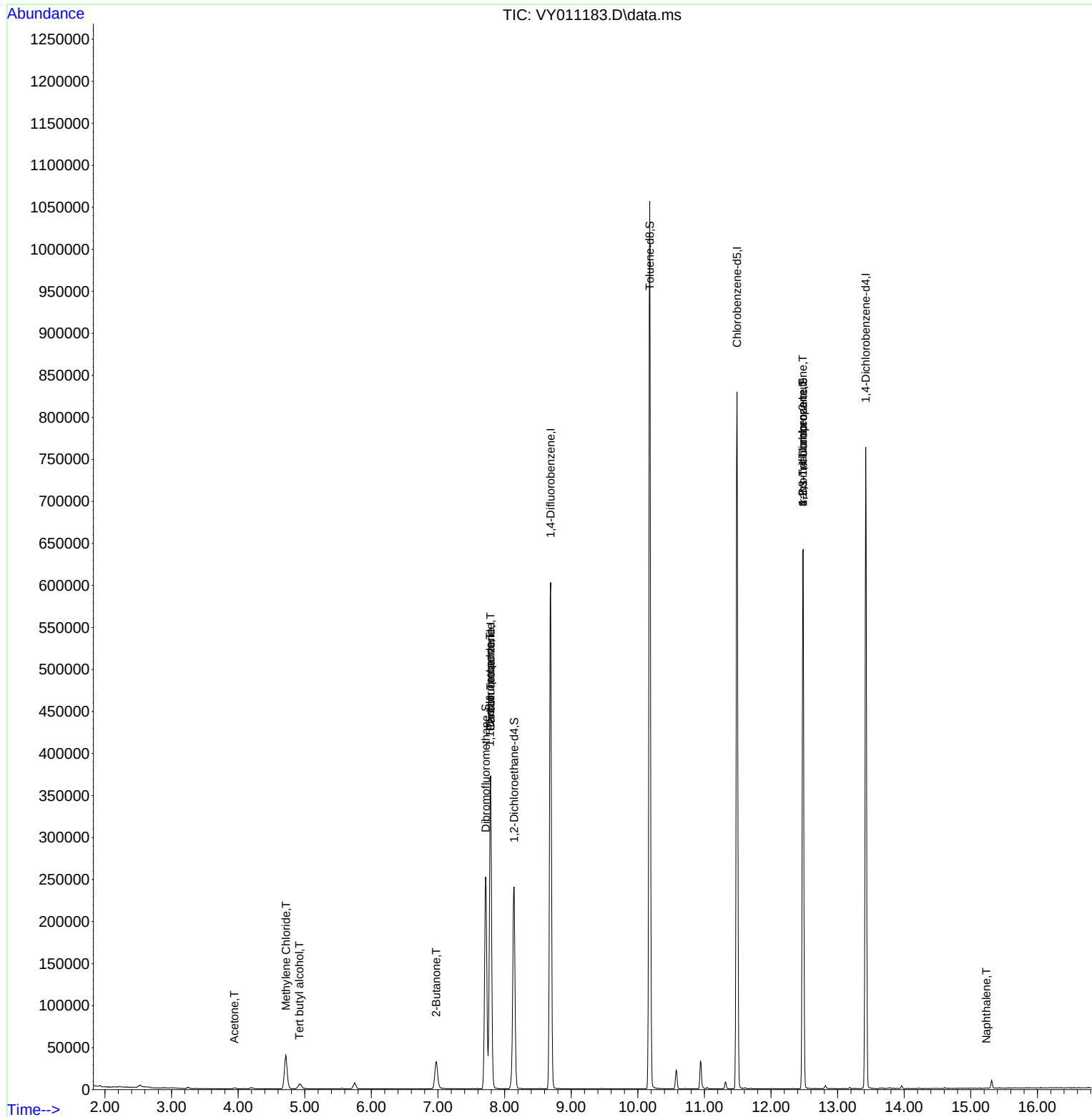
Internal Standards						
1) Pentafluorobenzene	7.789	168	290845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	526166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	464290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	197572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	183583	61.044	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.080%	
35) Dibromofluoromethane	7.716	113	183051	56.572	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.140%	
50) Toluene-d8	10.179	98	685211	53.453	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.900%	
62) 4-Bromofluorobenzene	12.477	95	204493	48.753	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	246	Below Cal		96
3) Chloromethane	2.113	50	302	Below Cal		96
5) Bromomethane	2.650	94	240	Below Cal	#	81
11) Tert butyl alcohol	4.918	59	2869	5.678	ug/l #	77
16) Acetone	3.942	43	2091	2.842	ug/l #	84
17) Carbon Disulfide	4.186	76	25	Below Cal	#	75
18) Methyl Acetate	4.491	43	163	Below Cal	#	56
20) Methylene Chloride	4.716	84	30458	3.785	ug/l #	84
25) 2-Butanone	6.972	43	1990	1.887	ug/l #	80
31) Cyclohexane	7.789	56	5716	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	22419	5.315	ug/l #	51
38) Carbon Tetrachloride	7.789	117	28716	6.250	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	101984	49.649	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	101984	105.438	ug/l #	7
95) Naphthalene	15.233	128	247	4.386	ug/l #	69

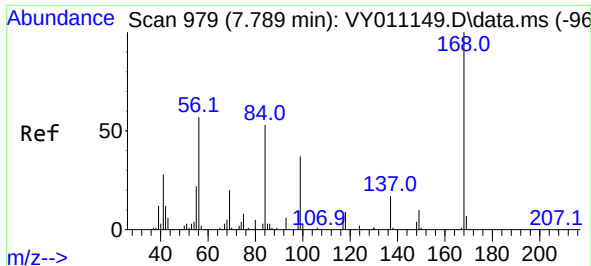
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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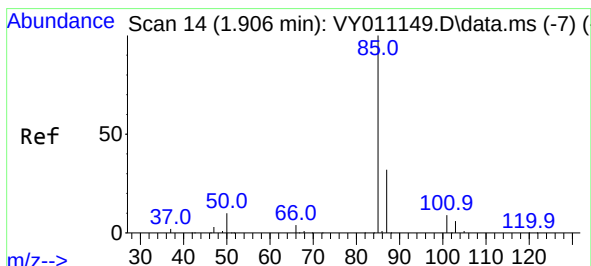
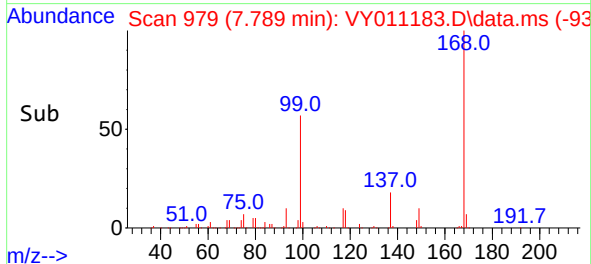
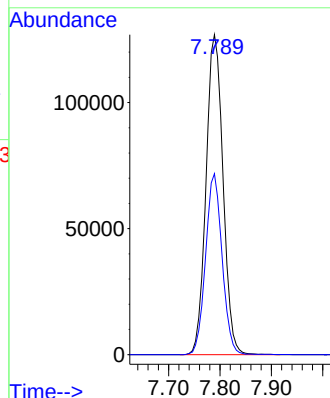
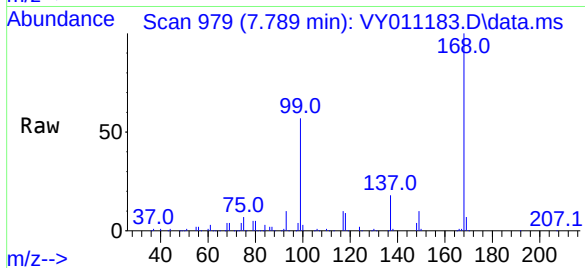




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

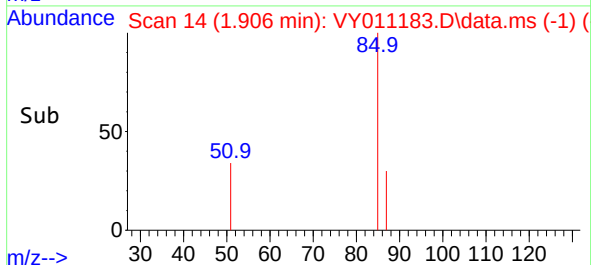
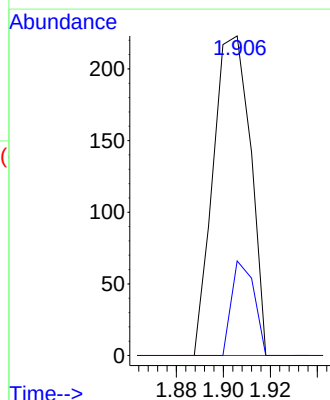
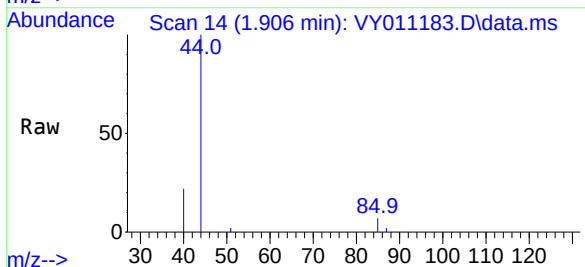
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-3

Tgt Ion:168 Resp: 290845
Ion Ratio Lower Upper
168 100
99 56.6 46.9 70.3

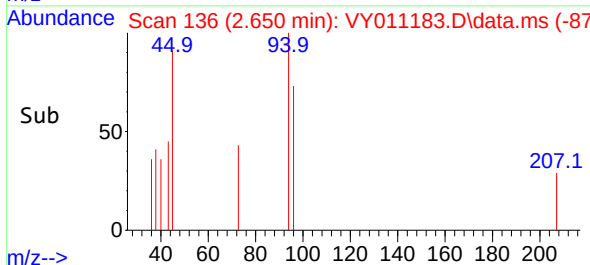
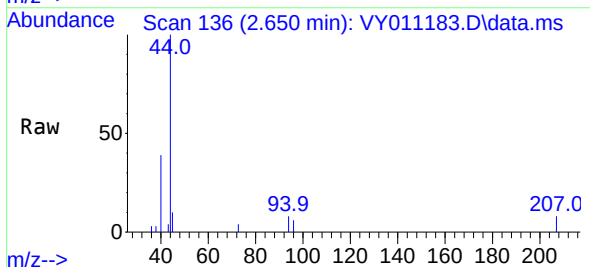
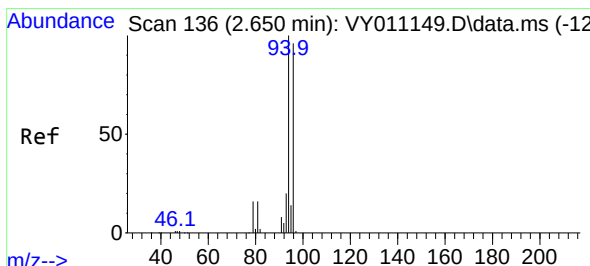
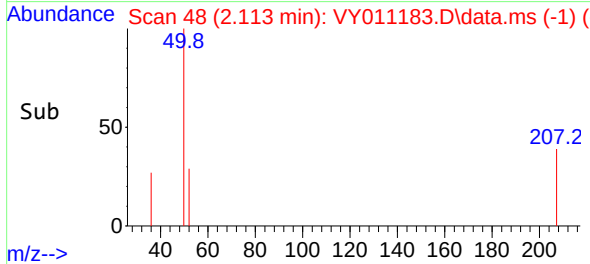
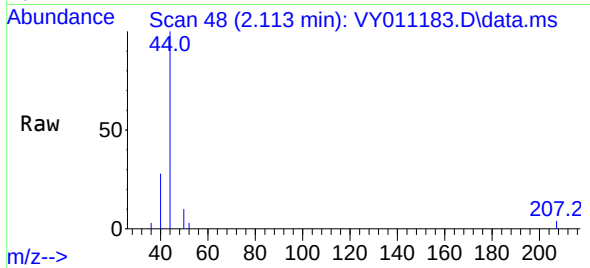
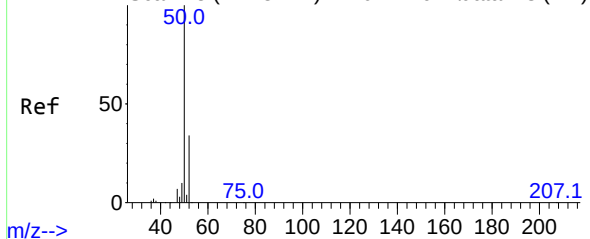


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

Tgt Ion: 85 Resp: 246
Ion Ratio Lower Upper
85 100
87 29.6 16.1 48.2



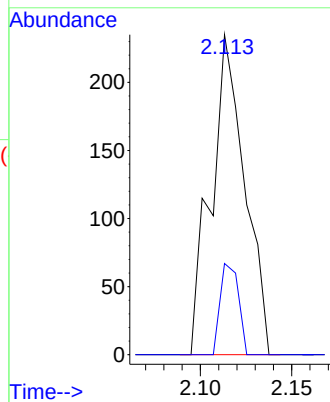
Abundance Scan 48 (2.113 min): VY011149.D\data.ms (-41)



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

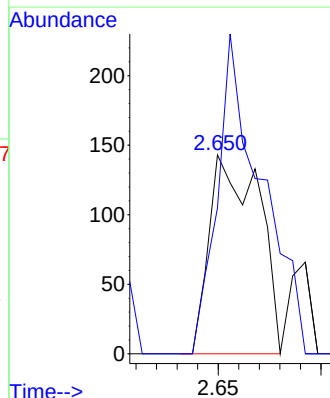
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-3

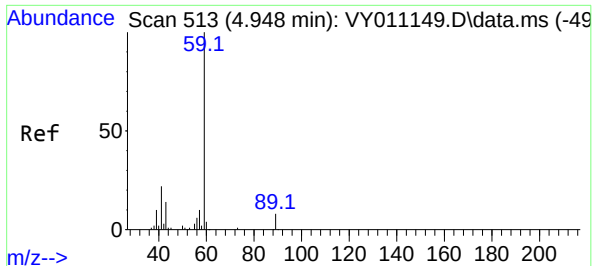
Tgt Ion: 50 Resp: 302
Ion Ratio Lower Upper
50 100
52 28.5 24.6 37.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. -0.000 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 73.4 73.5 110.3#





#11

Tert butyl alcohol

Concen: 5.678 ug/l

RT: 4.918 min Scan# 50

Delta R.T. -0.030 min

Lab File: VY011183.D

Acq: 29 Oct 2022 02:45

Instrument :

MSVOA_Y

ClientSampleId :

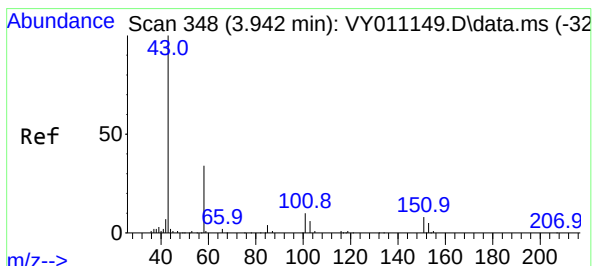
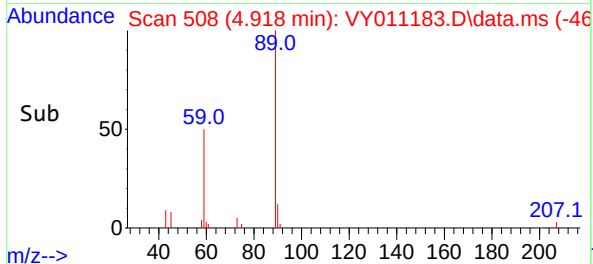
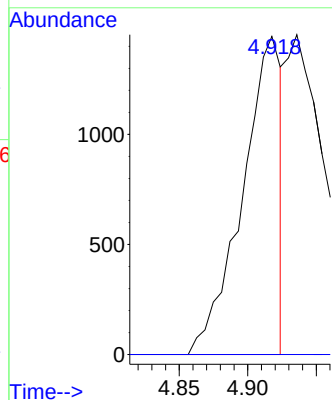
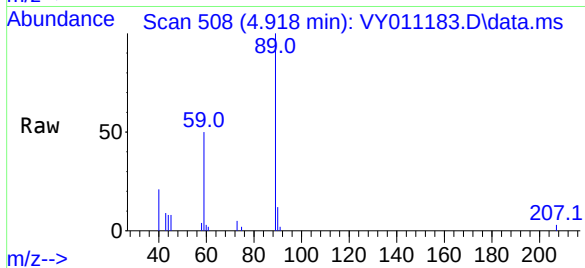
BIN 1-2-(2840)-VOC-3

Tgt Ion: 59 Resp: 2869

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.842 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY011183.D

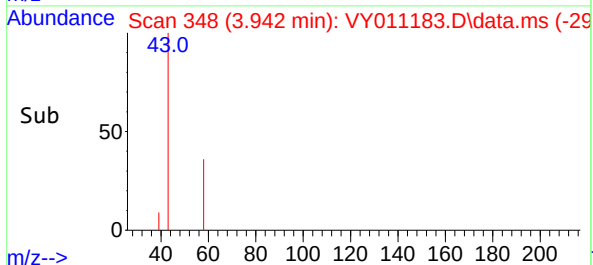
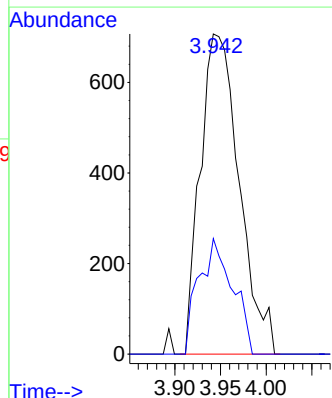
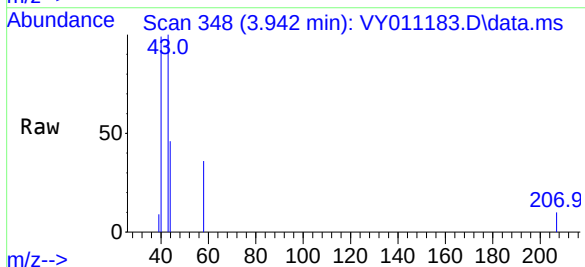
Acq: 29 Oct 2022 02:45

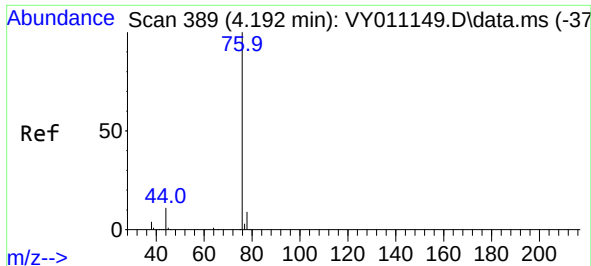
Tgt Ion: 43 Resp: 2091

Ion Ratio Lower Upper

43 100

58 36.1 22.0 33.0#

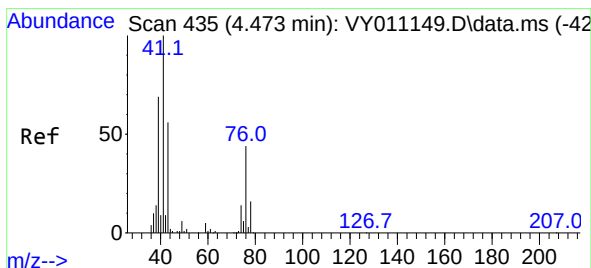
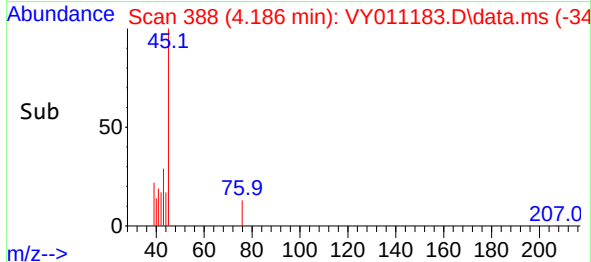
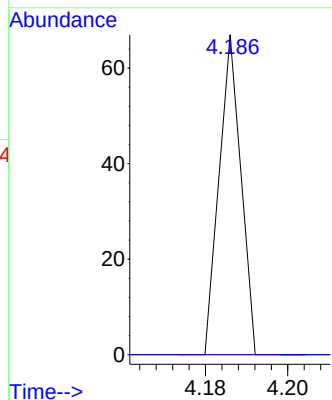
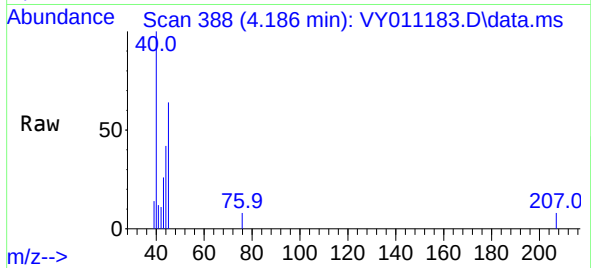




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

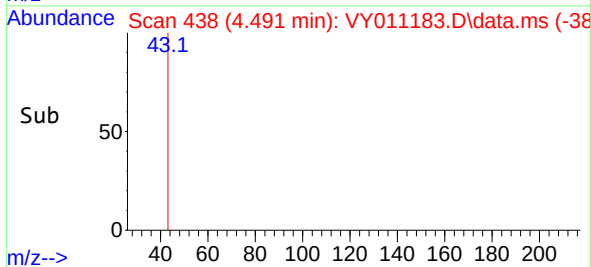
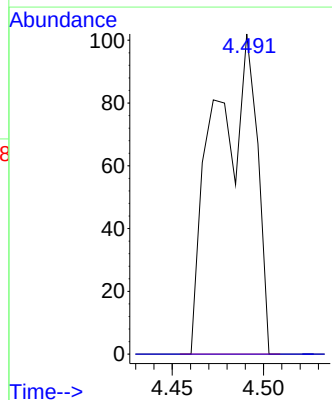
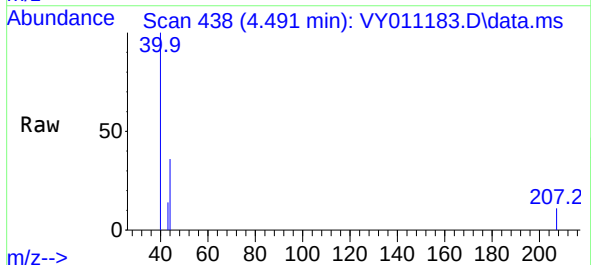
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-3

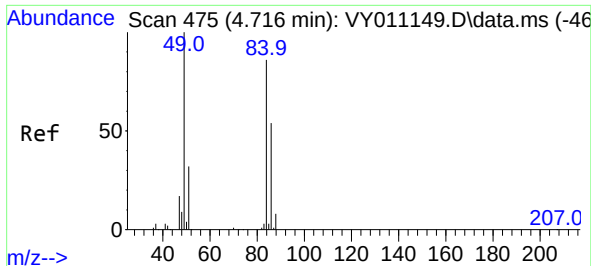
Tgt Ion: 76 Resp: 25
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.018 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

Tgt Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



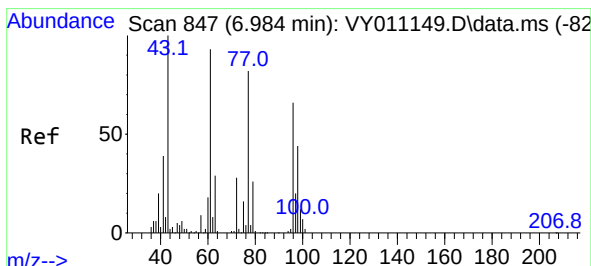
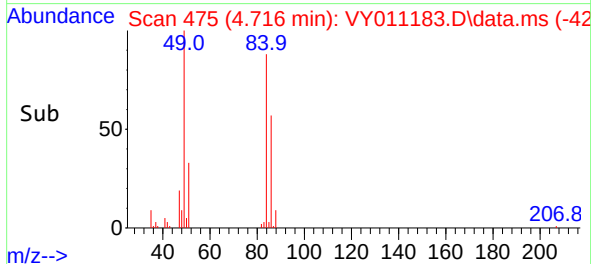
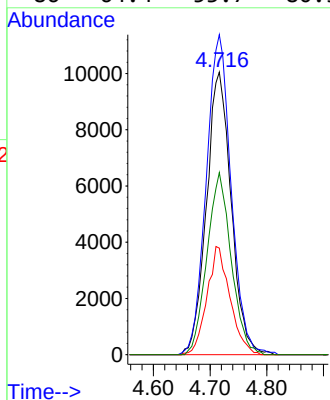
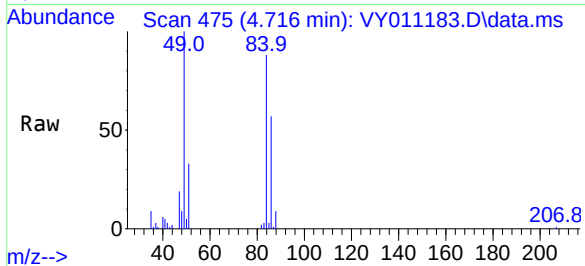


#20
Methylene Chloride
Concen: 3.785 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-3

Tgt Ion: 84 Resp: 30458

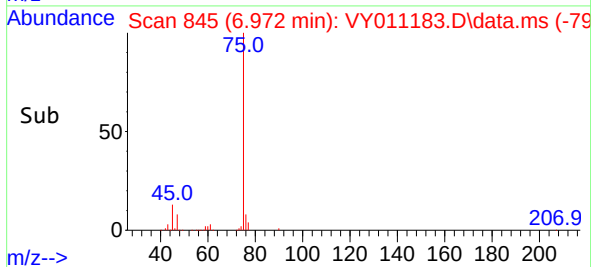
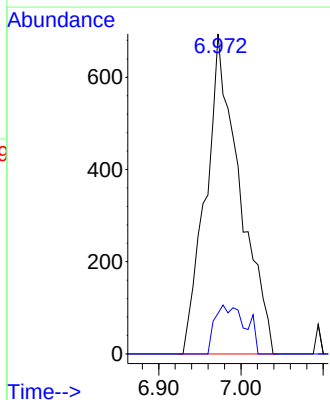
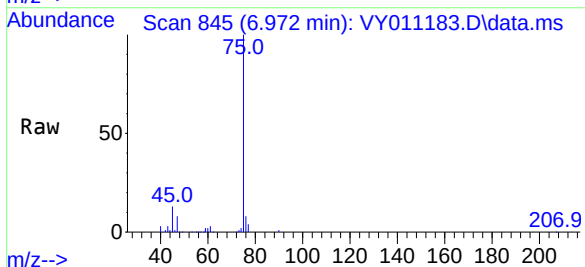
Ion	Ratio	Lower	Upper
84	100		
49	113.2	114.4	171.6#
51	37.7	35.3	52.9
86	64.4	53.7	80.5

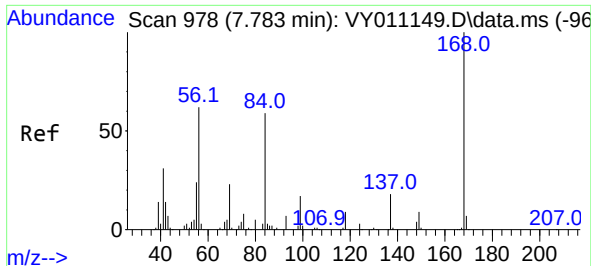


#25
2-Butanone
Concen: 1.887 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

Tgt Ion: 43 Resp: 1990

Ion	Ratio	Lower	Upper
43	100		
72	12.7	17.7	26.5#

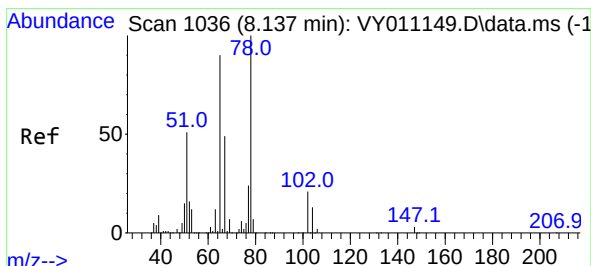
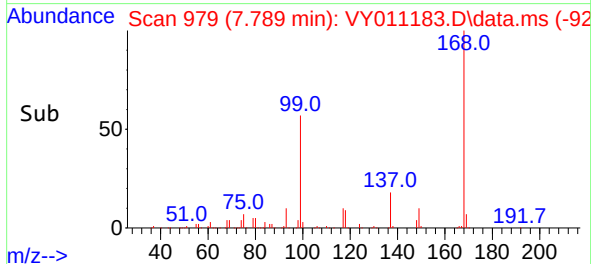
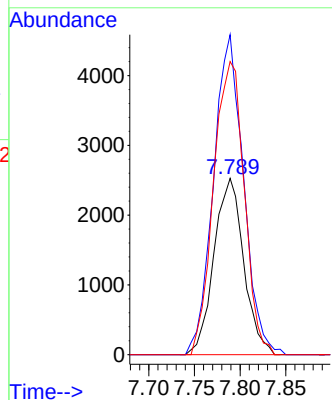
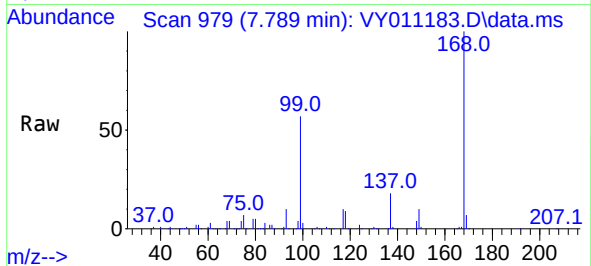




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

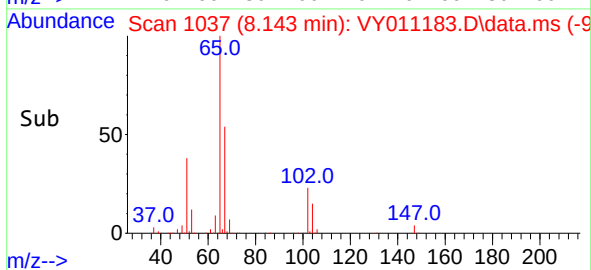
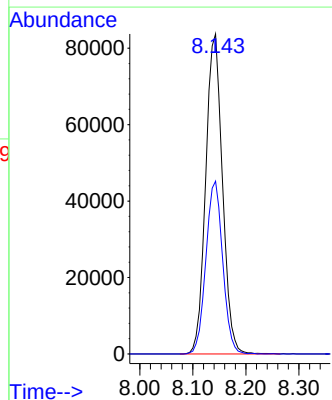
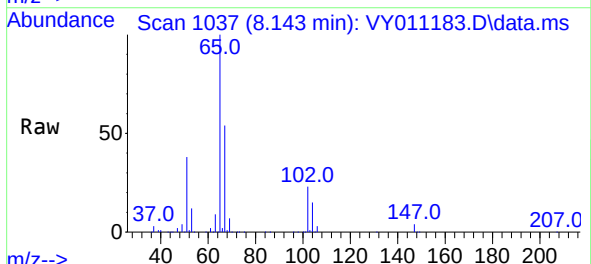
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-3

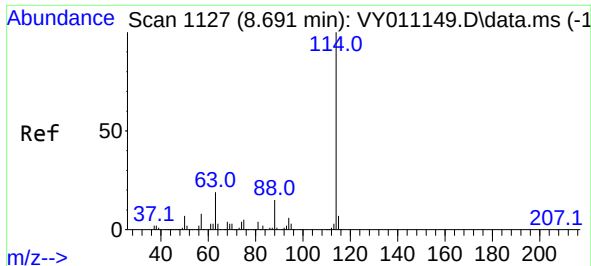
Tgt Ion: 56 Resp: 5716
Ion Ratio Lower Upper
56 100
69 181.6 26.7 40.1#
84 166.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 61.044 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

Tgt Ion: 65 Resp: 183583
Ion Ratio Lower Upper
65 100
67 54.1 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: VY011183.D

Acq: 29 Oct 2022 02:45

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-3

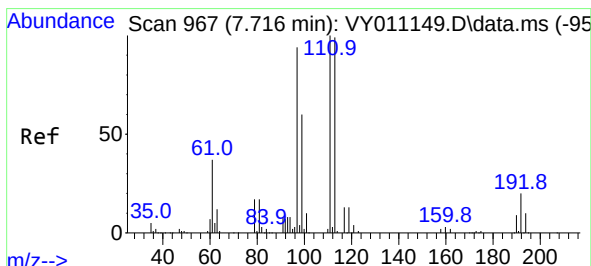
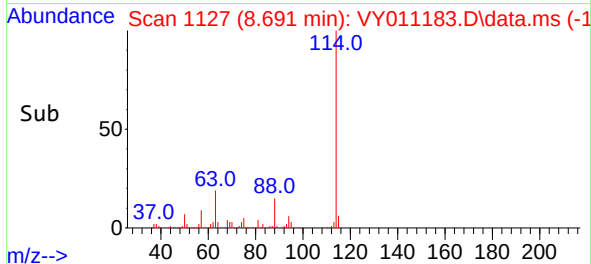
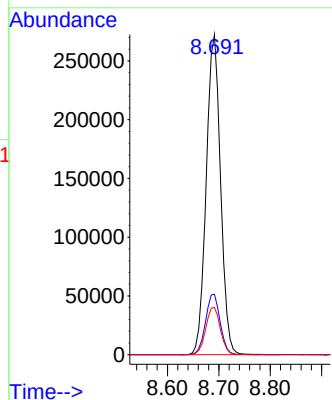
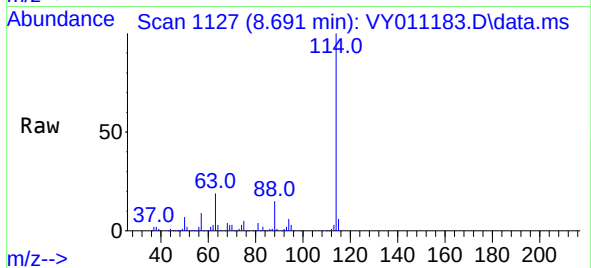
Tgt Ion:114 Resp: 526166

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.572 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011183.D

Acq: 29 Oct 2022 02:45

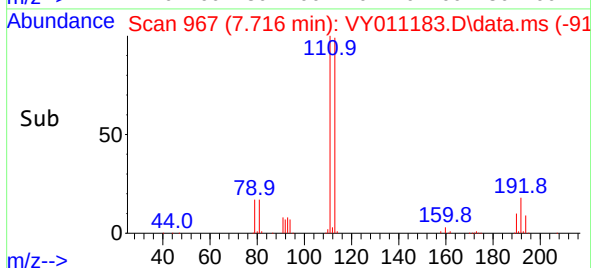
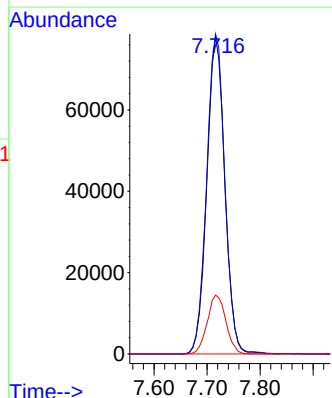
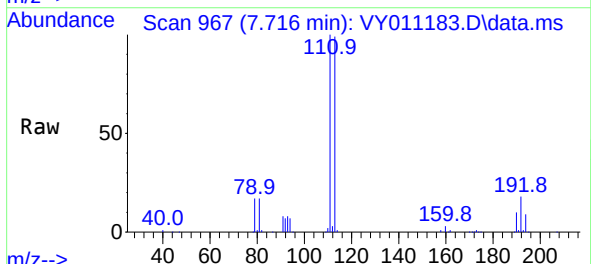
Tgt Ion:113 Resp: 183051

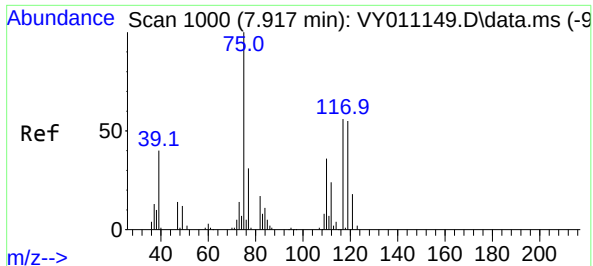
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 19.3 17.6 26.4

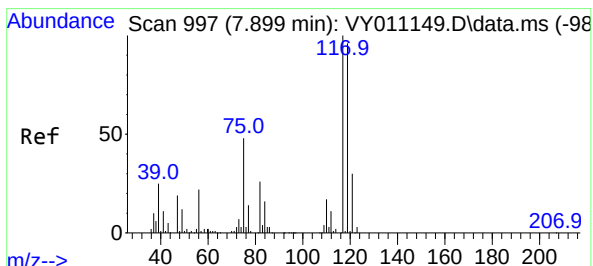
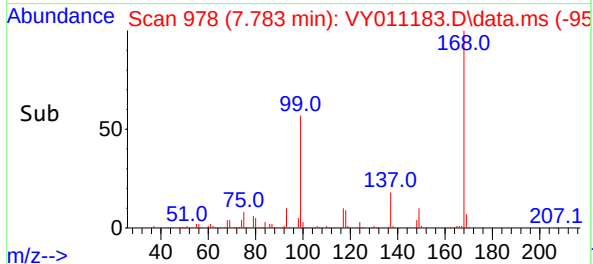
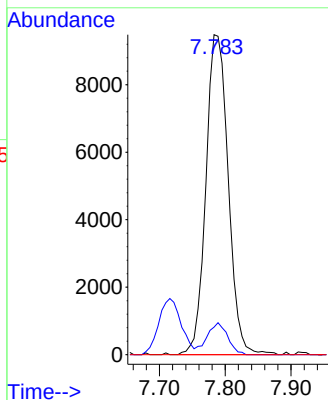
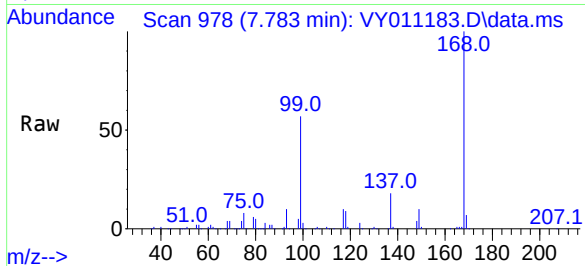




#36
1,1-Dichloropropene
Concen: 5.315 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

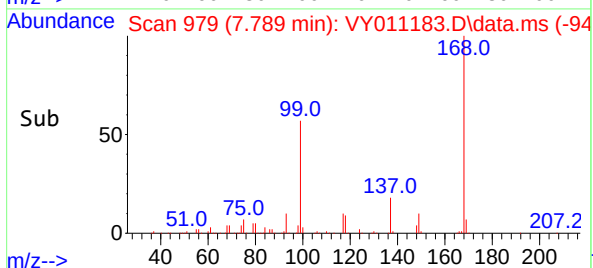
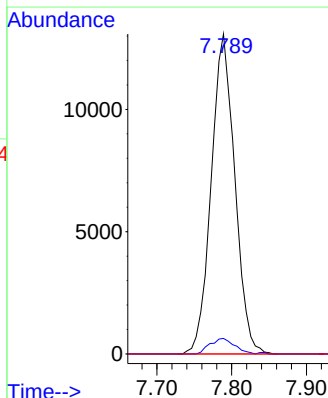
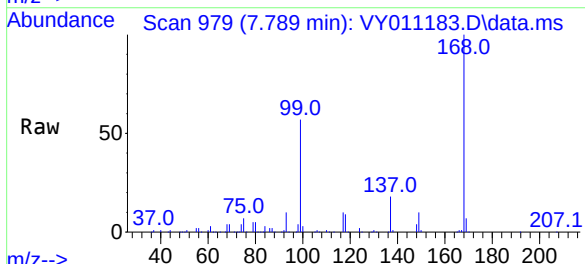
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-3

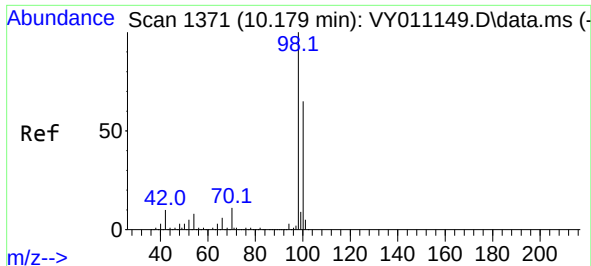
Tgt Ion: 75 Resp: 22419
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.250 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

Tgt Ion: 117 Resp: 28716
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#

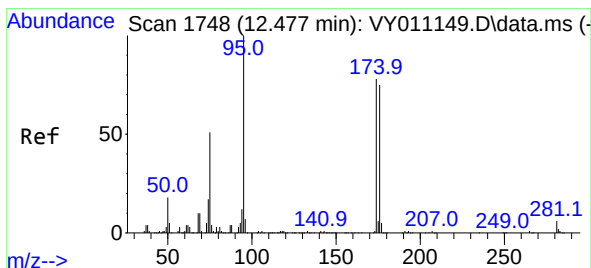
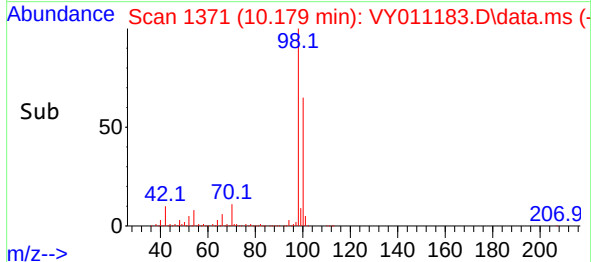
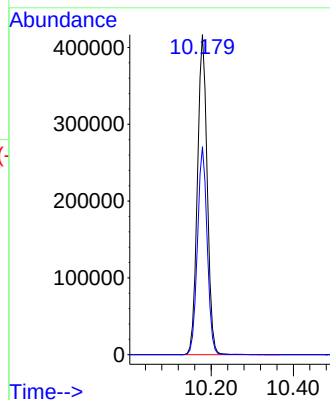
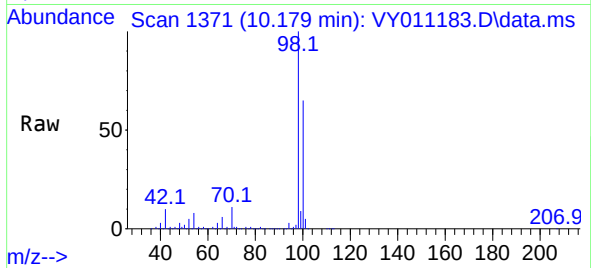




#50
Toluene-d8
Concen: 53.453 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

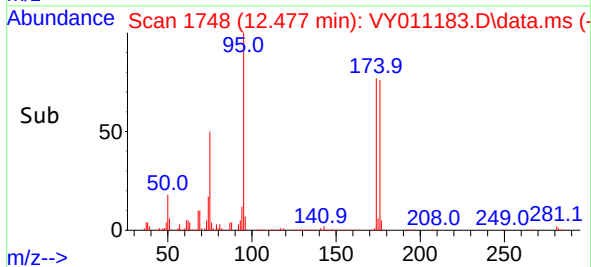
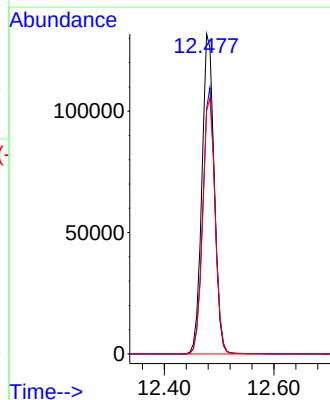
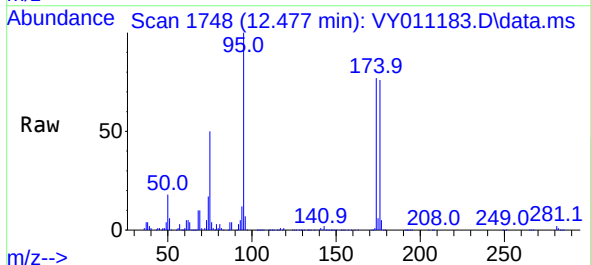
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-3

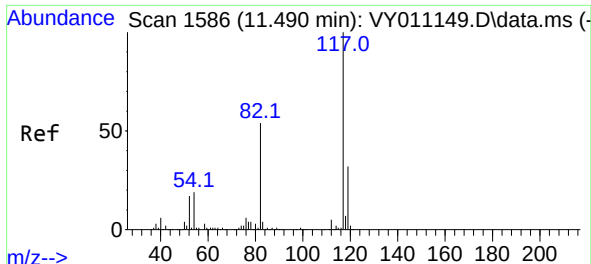
Tgt Ion: 98 Resp: 685211
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 48.753 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

Tgt Ion: 95 Resp: 204493
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 80.7 0.0 175.8

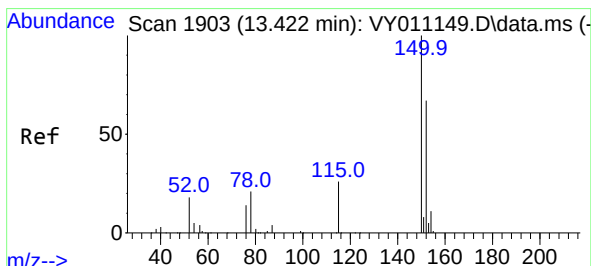
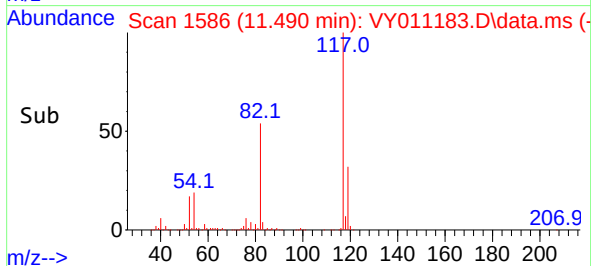
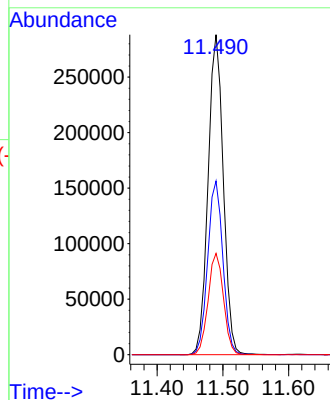
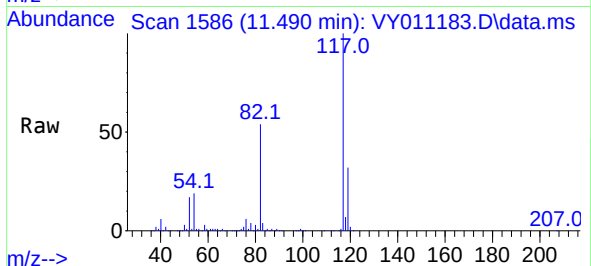




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

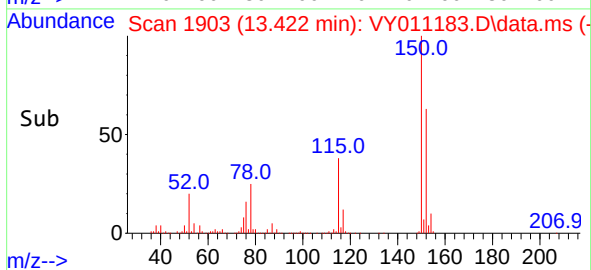
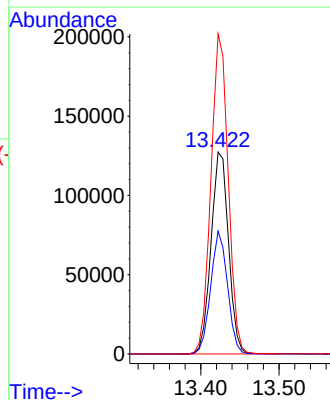
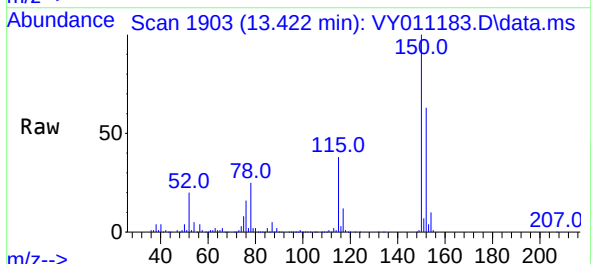
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-3

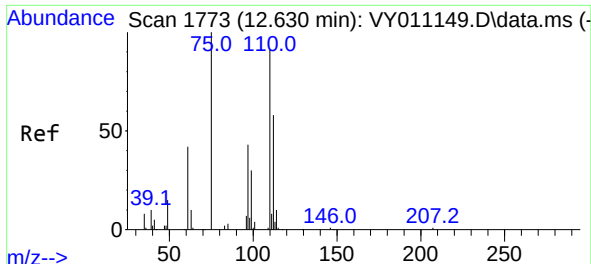
Tgt Ion:117 Resp: 464290
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

Tgt Ion:152 Resp: 197572
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 156.4 0.0 347.6

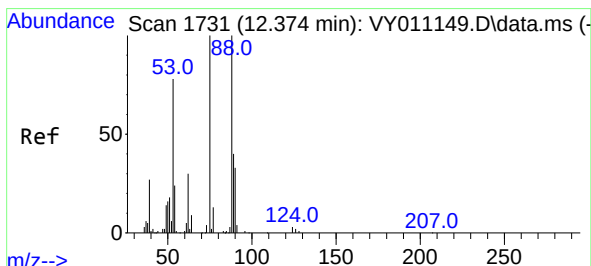
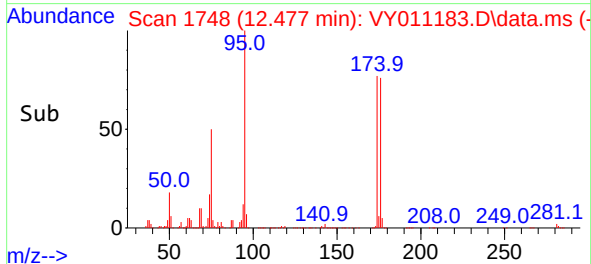
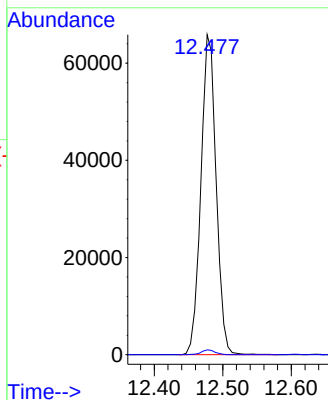
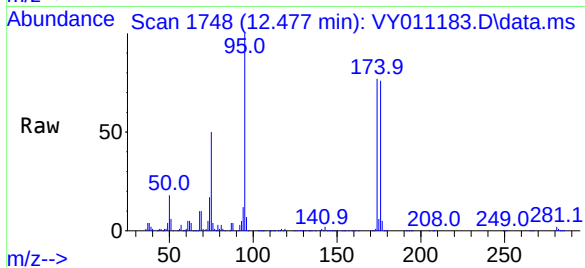




#76
1,2,3-Trichloropropane
Concen: 49.649 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

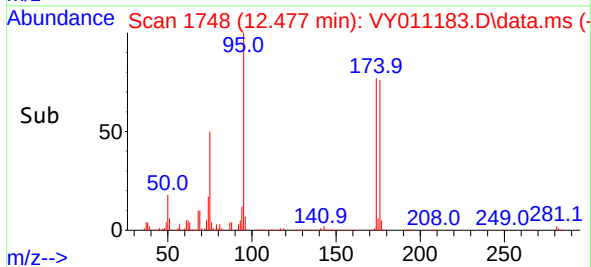
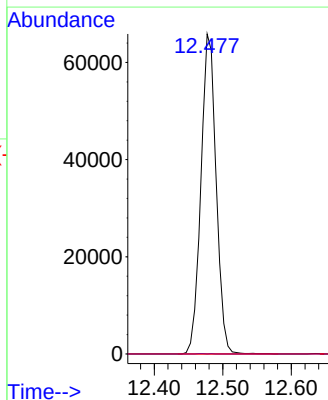
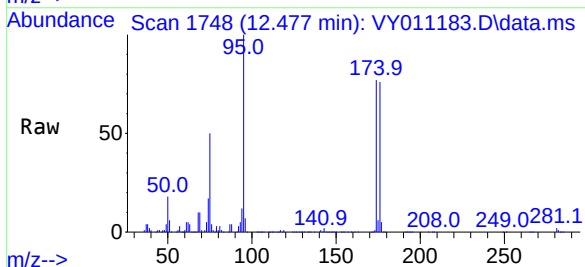
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-3

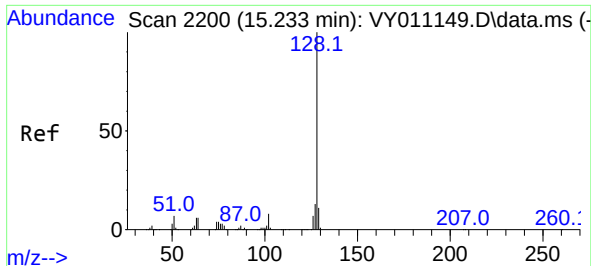
Tgt Ion: 75 Resp: 101984
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.438 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011183.D
Acq: 29 Oct 2022 02:45

Tgt Ion: 75 Resp: 101984
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.386 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011183.D

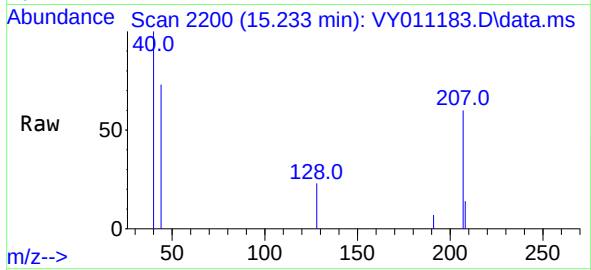
Acq: 29 Oct 2022 02:45

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-3



Tgt Ion:128 Resp: 247

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

