

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011192.D
 Acq On : 29 Oct 2022 06:09
 Operator : KP/MD
 Sample : N5310-16
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-12

Quant Time: Oct 29 06:48:54 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)

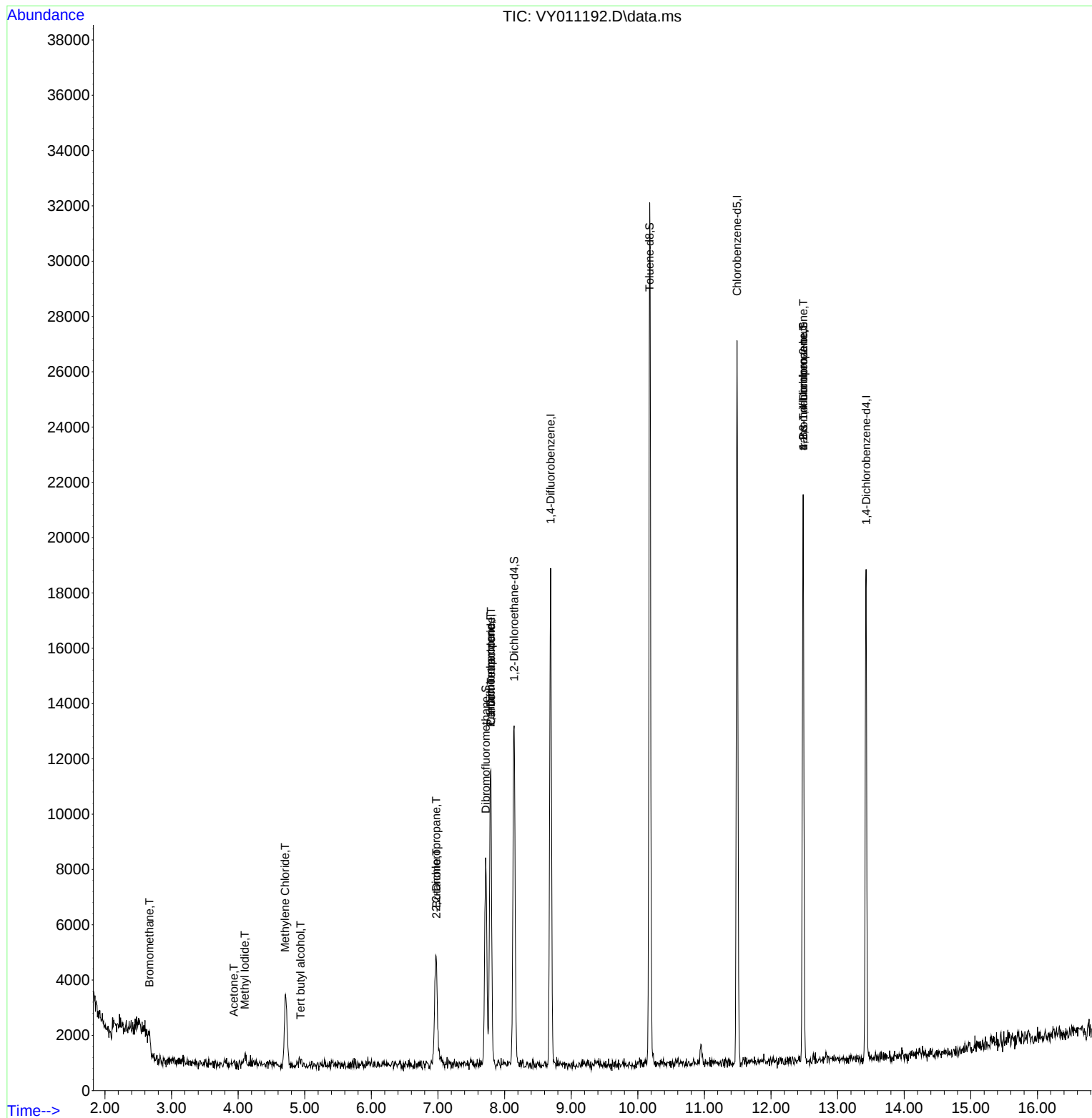
Internal Standards						
1) Pentafluorobenzene	7.789	168	9202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	15885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	10161	106.789	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 213.580%#		
35) Dibromofluoromethane	7.716	113	5546	56.773	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 113.540%		
50) Toluene-d8	10.179	98	22575	58.333	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 116.660%		
62) 4-Bromofluorobenzene	12.483	95	6658	52.578	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 105.160%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	203	Below Cal	#	72
4) Vinyl Chloride	2.418	62	46	Below Cal	#	43
5) Bromomethane	2.668	94	252	1.250	ug/l #	42
10) Methyl Iodide	4.100	142	521	5.790	ug/l #	81
11) Tert butyl alcohol	4.936	59	53	1.503	ug/l #	77
16) Acetone	3.936	43	44	1.890	ug/l #	47
18) Methyl Acetate	4.216	43	22	Below Cal	#	56
20) Methylene Chloride	4.704	84	2106	17.531	ug/l #	69
25) 2-Butanone	6.978	43	43	1.289	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	310	2.128	ug/l #	55
31) Cyclohexane	7.795	56	82	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	718	5.638	ug/l #	42
38) Carbon Tetrachloride	7.795	117	898	6.474	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	3154	60.734	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3154	128.979	ug/l #	7

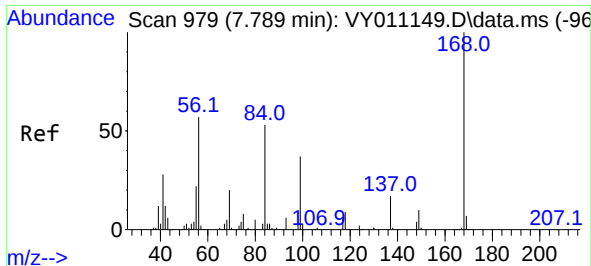
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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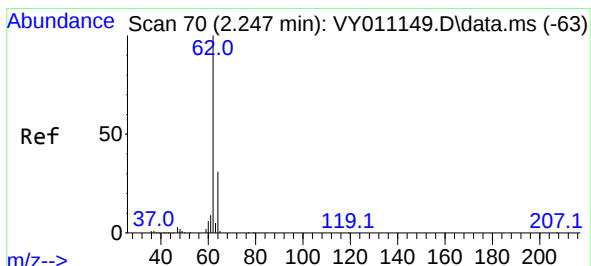
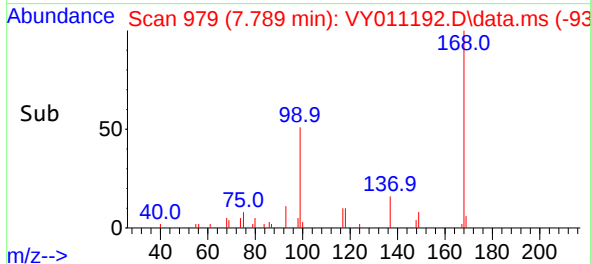
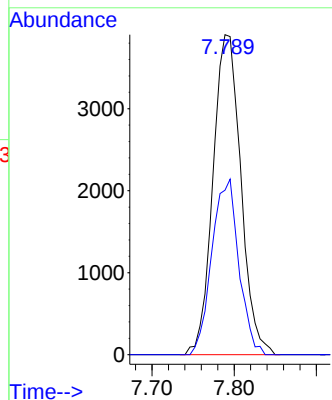
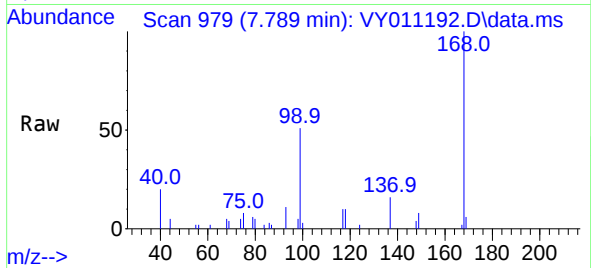




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

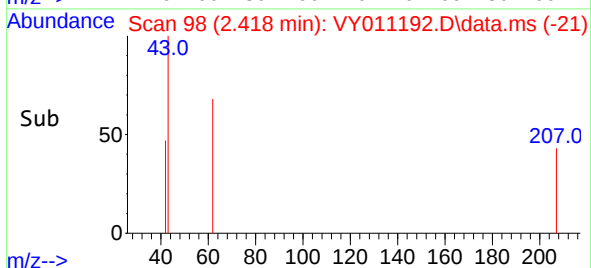
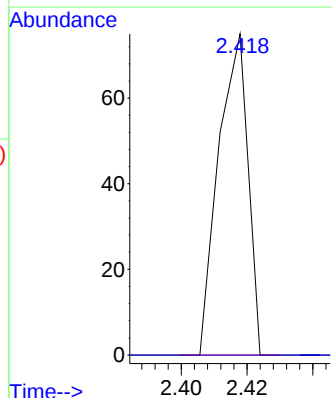
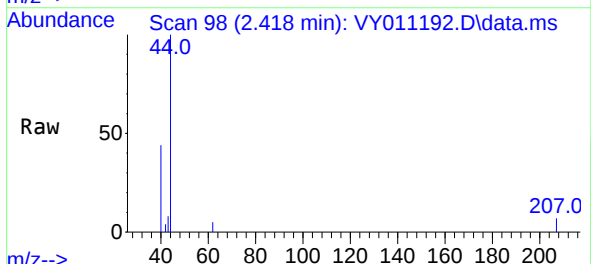
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-12

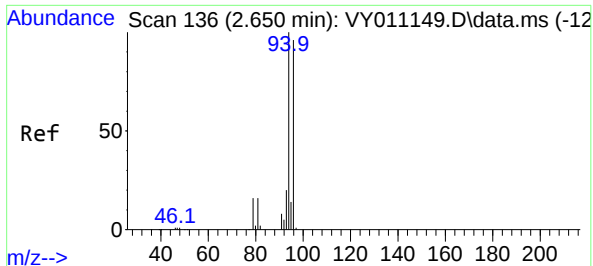
Tgt Ion:168 Resp: 9202
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.418 min Scan# 98
Delta R.T. 0.171 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

Tgt Ion: 62 Resp: 46
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

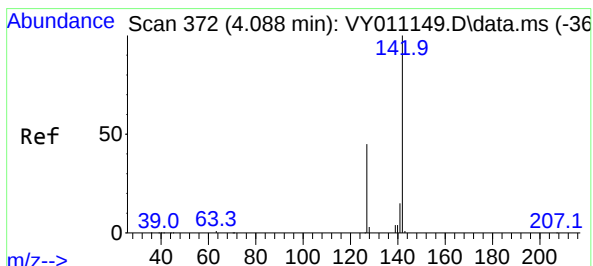
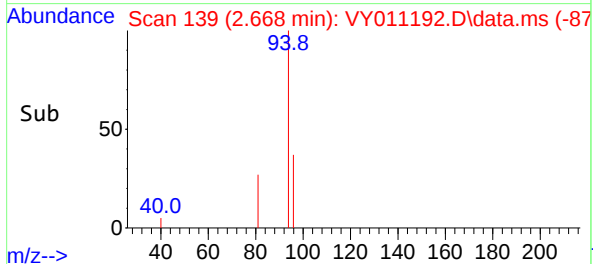
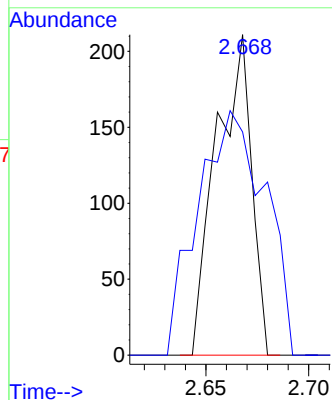
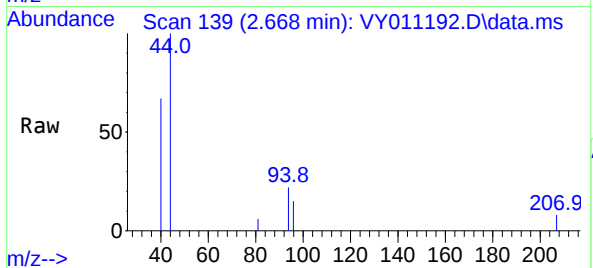




#5
Bromomethane
Concen: 1.250 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

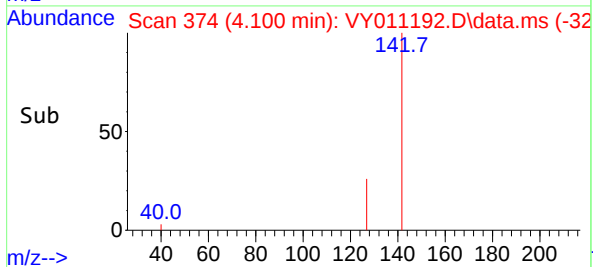
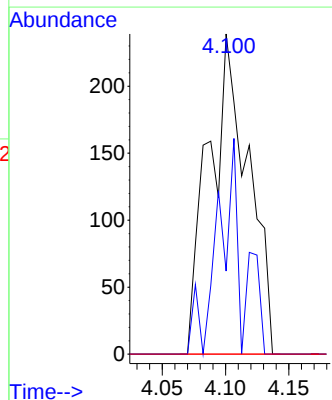
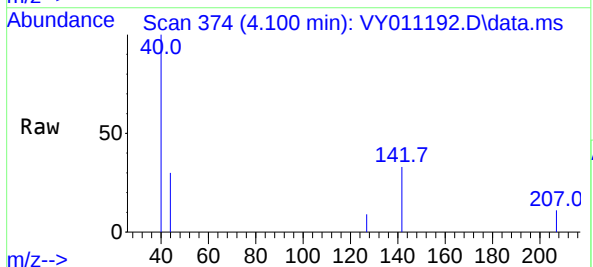
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-12

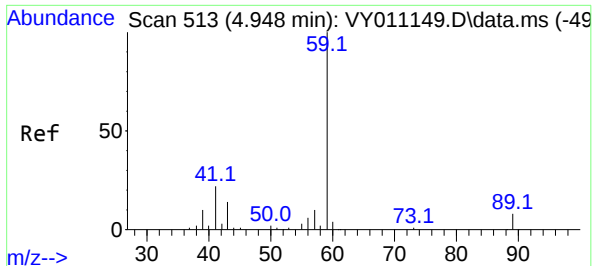
Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 37.0 73.5 110.3#



#10
Methyl Iodide
Concen: 5.790 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.012 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

Tgt Ion: 142 Resp: 521
Ion Ratio Lower Upper
142 100
127 42.0 41.5 62.3
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: 1.503 ug/l

RT: 4.936 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY011192.D

Acq: 29 Oct 2022 06:09

Instrument :

MSVOA_Y

ClientSampleId :

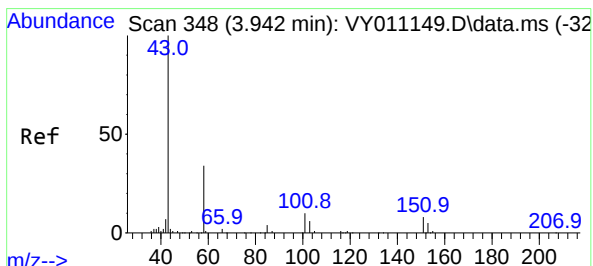
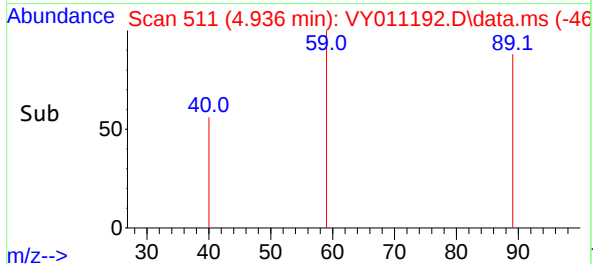
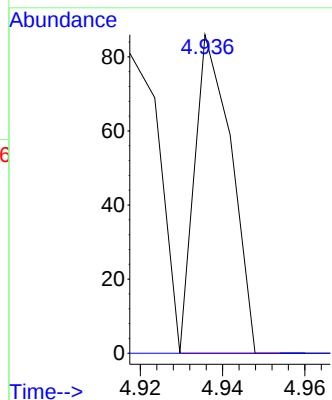
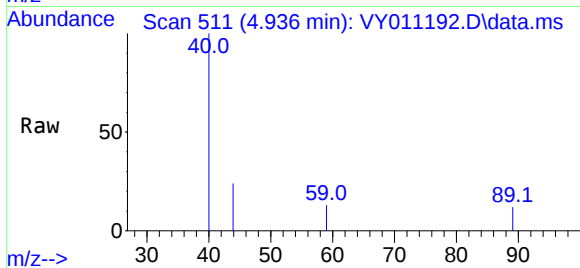
BIN 1-2-(2840)-VOC-12

Tgt Ion: 59 Resp: 53

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.890 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.006 min

Lab File: VY011192.D

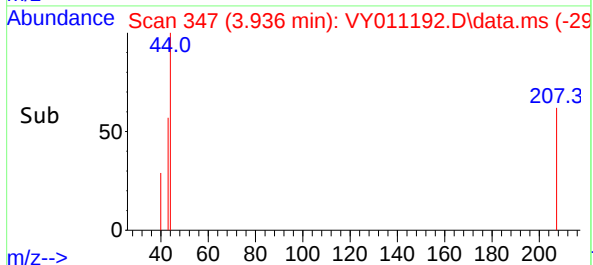
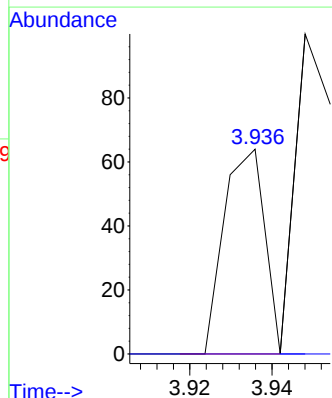
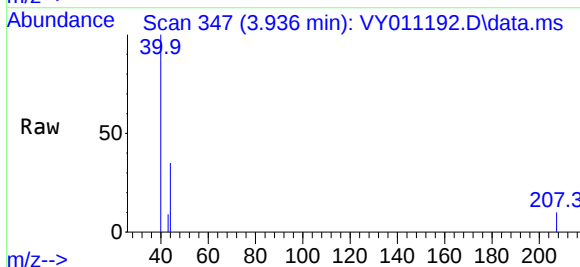
Acq: 29 Oct 2022 06:09

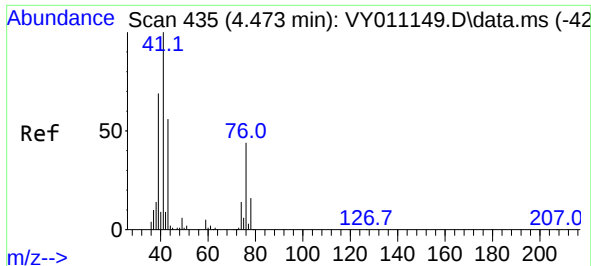
Tgt Ion: 43 Resp: 44

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

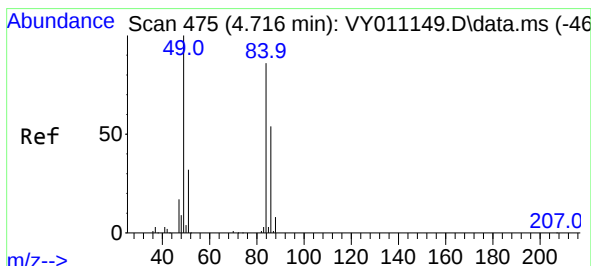
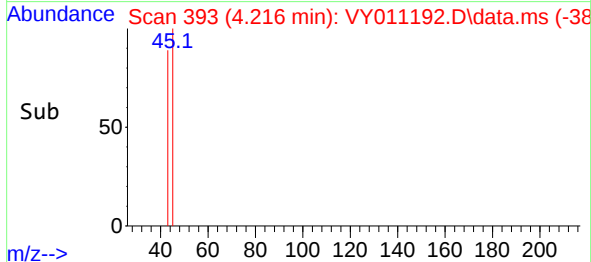
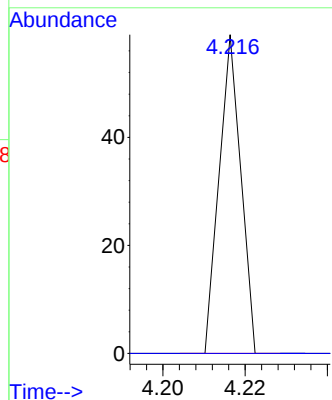
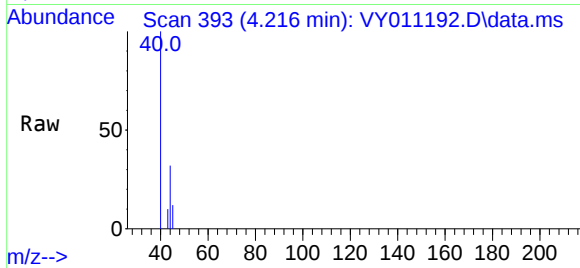




#18
Methyl Acetate
Concen: Below Cal
RT: 4.216 min Scan# 393
Delta R.T. -0.257 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

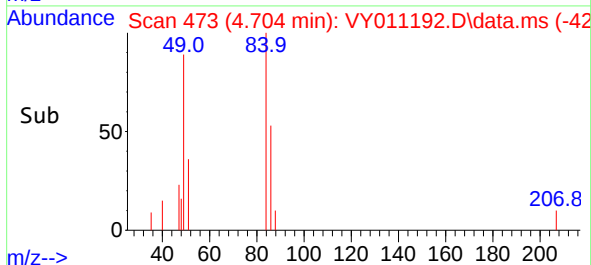
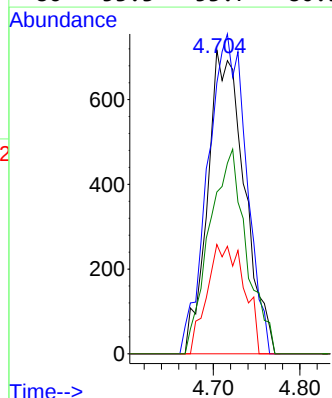
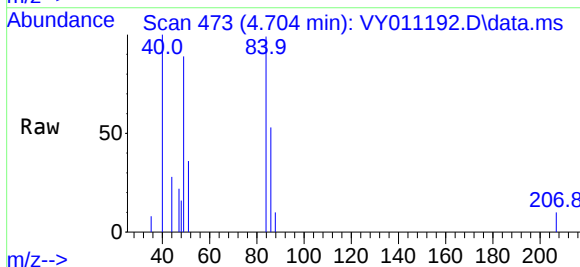
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-12

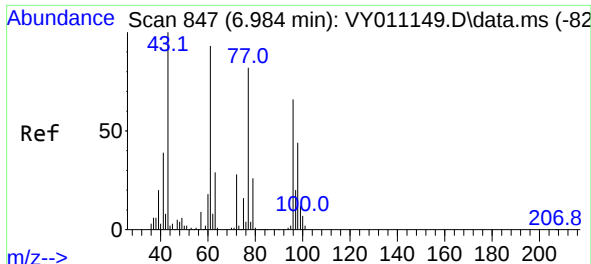
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 17.531 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

Tgt Ion: 84 Resp: 2106
Ion Ratio Lower Upper
84 100
49 89.1 114.4 171.6#
51 36.0 35.3 52.9
86 53.3 53.7 80.5#

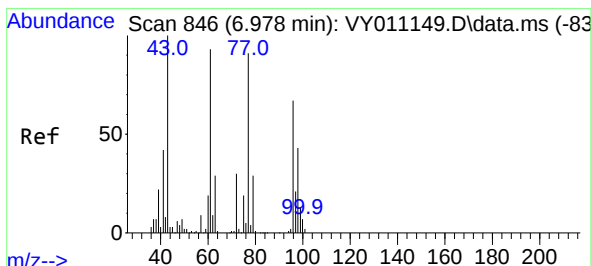
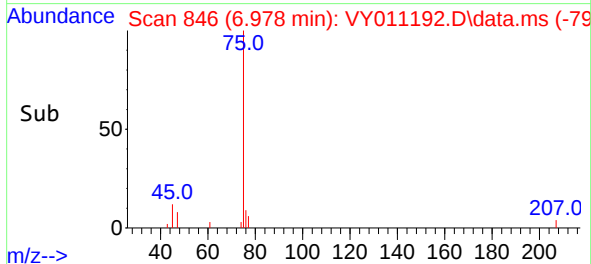
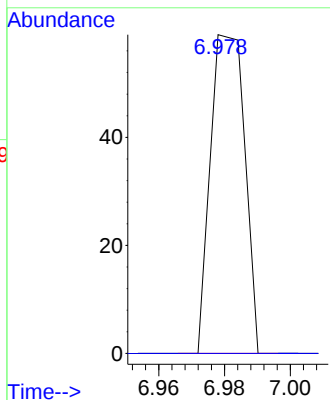
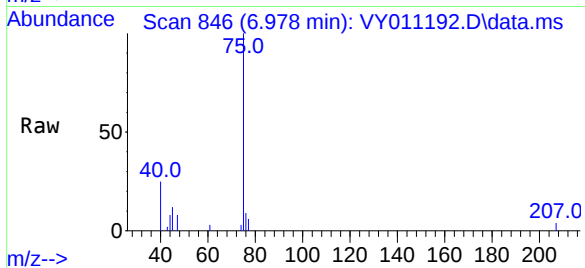




#25
2-Butanone
Concen: 1.289 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

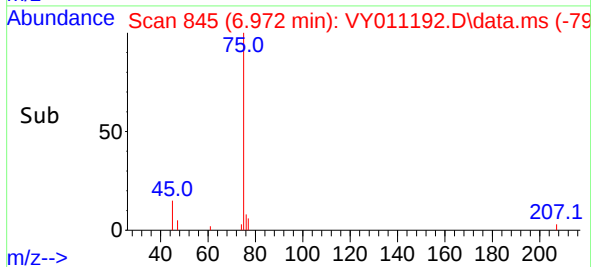
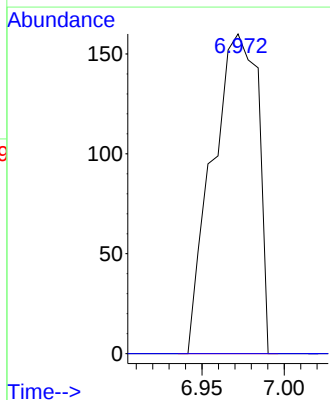
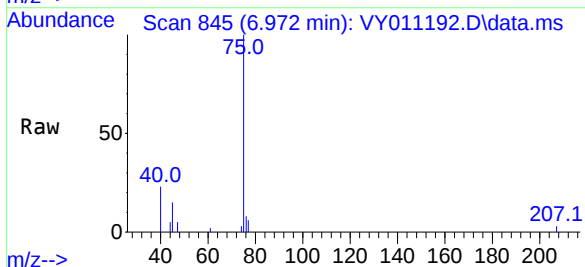
Instrument :
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ClientSampleId :
BIN 1-2-(2840)-VOC-12

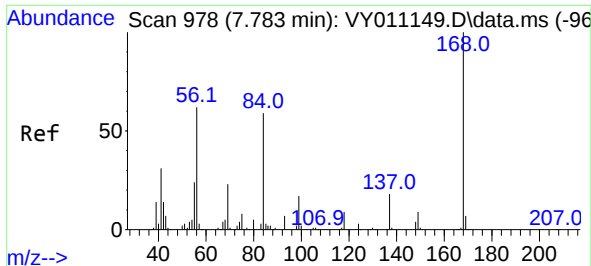
Tgt Ion: 43 Resp: 43
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 2.128 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

Tgt Ion: 77 Resp: 310
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

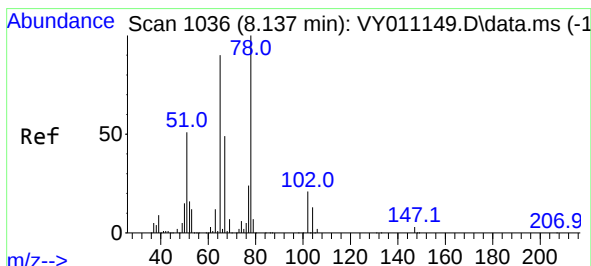
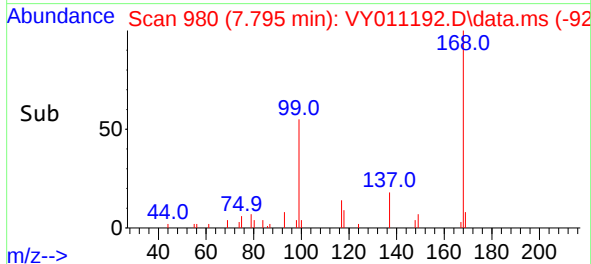
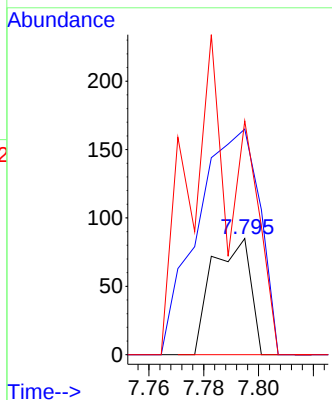
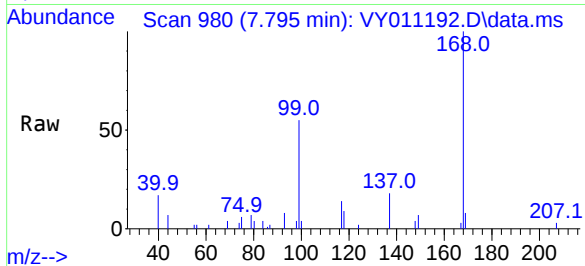




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

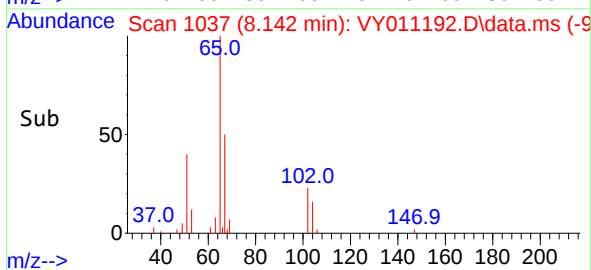
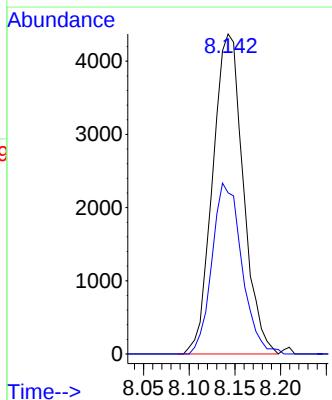
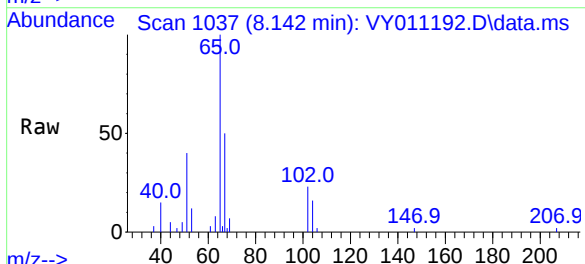
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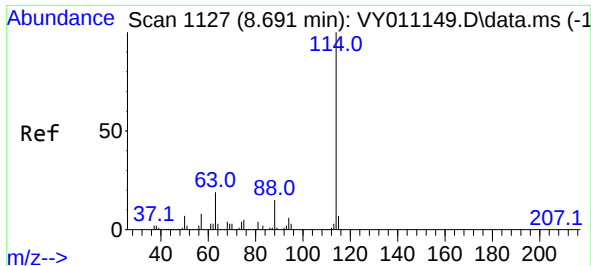
Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
69 194.1 26.7 40.1#
84 201.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 106.789 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.005 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

Tgt Ion: 65 Resp: 10161
Ion Ratio Lower Upper
65 100
67 52.0 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: VY011192.D

Acq: 29 Oct 2022 06:09

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-12

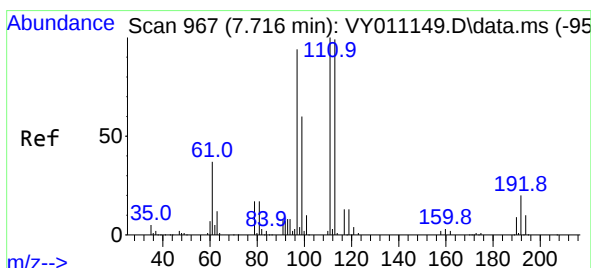
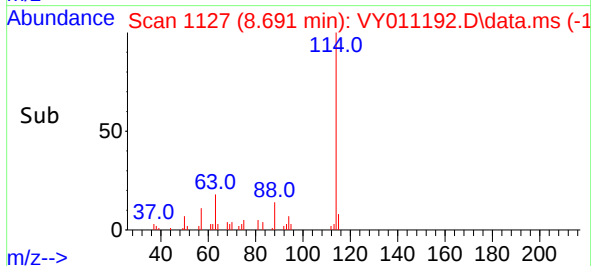
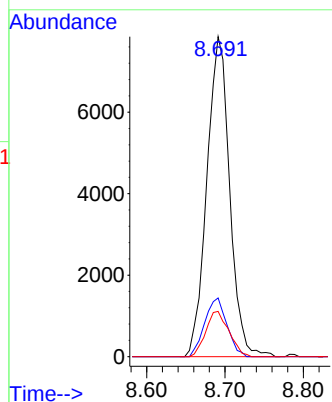
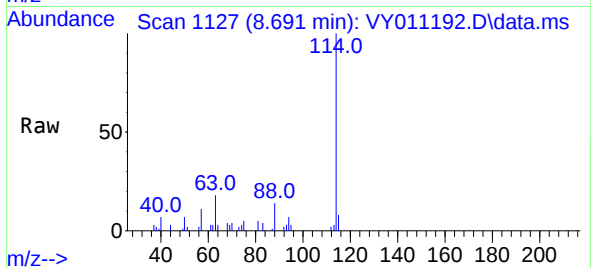
Tgt Ion:114 Resp: 15885

Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.773 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011192.D

Acq: 29 Oct 2022 06:09

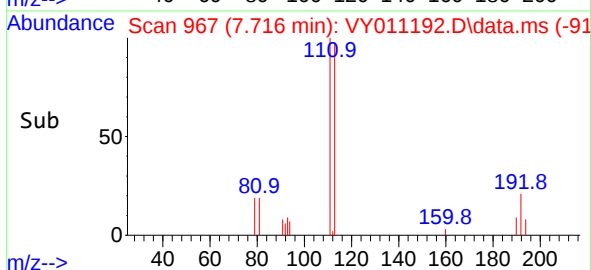
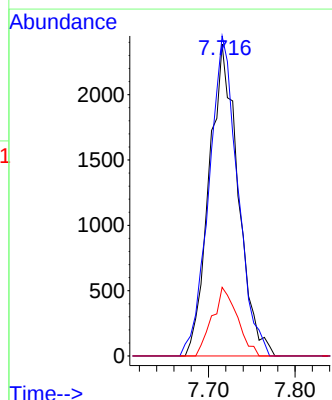
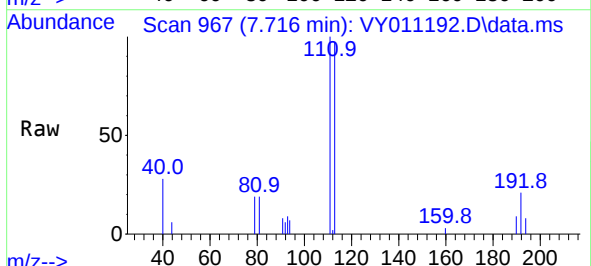
Tgt Ion:113 Resp: 5546

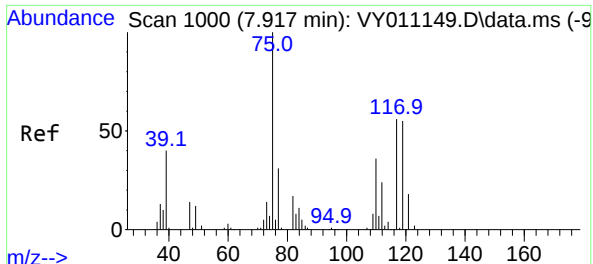
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 19.0 17.6 26.4

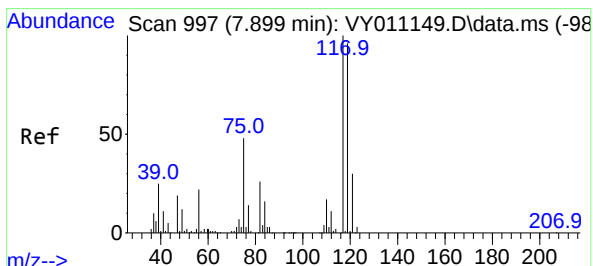
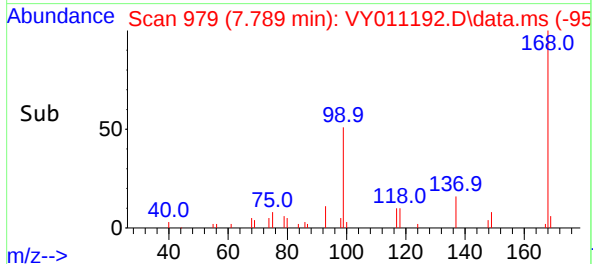
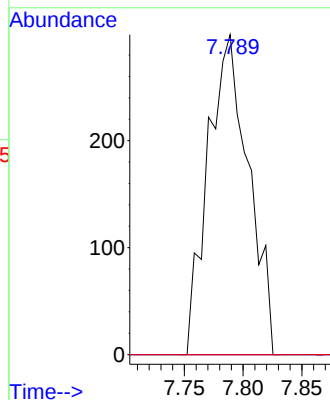
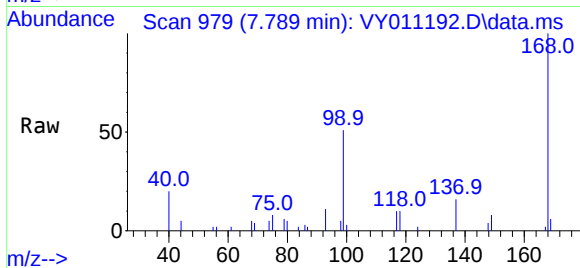




#36
1,1-Dichloropropene
Concen: 5.638 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

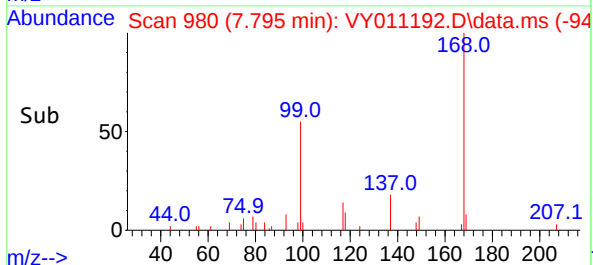
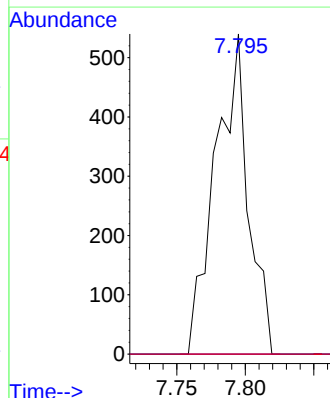
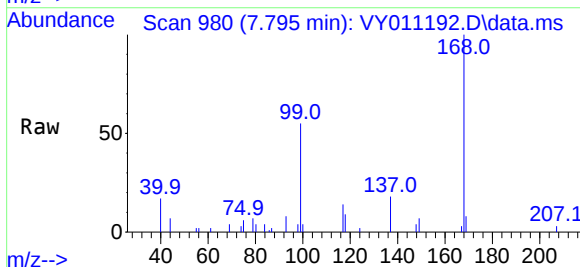
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-12

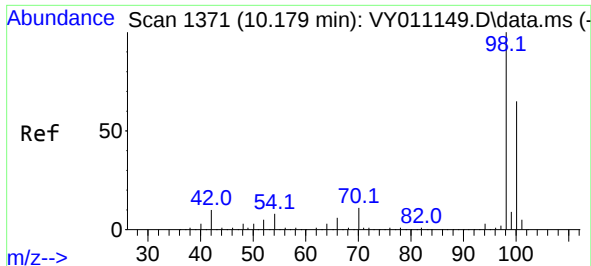
Tgt Ion: 75 Resp: 718
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.474 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

Tgt Ion: 117 Resp: 898
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

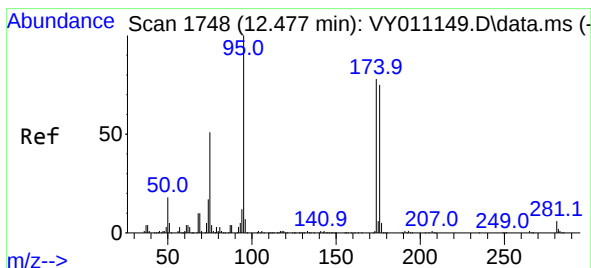
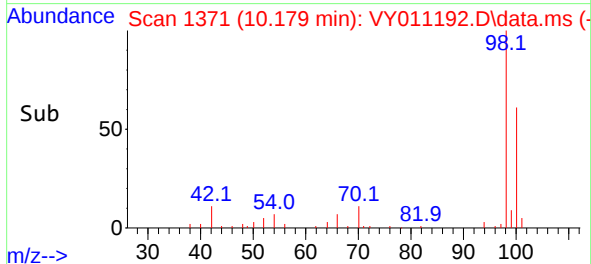
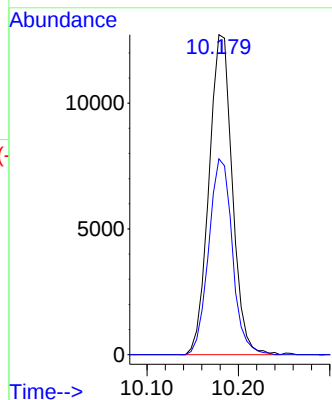
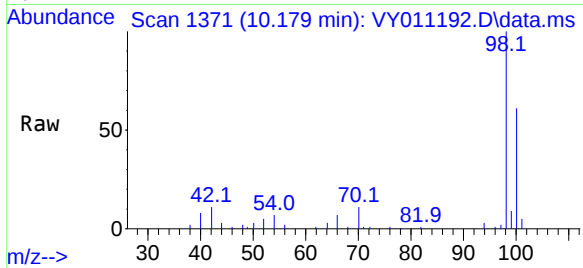




#50
Toluene-d8
Concen: 58.333 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

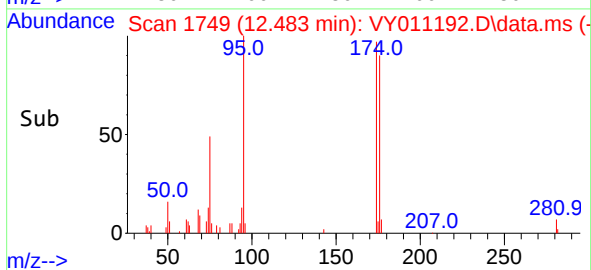
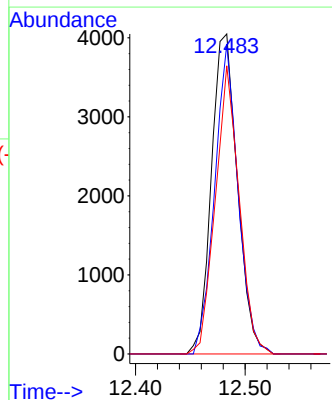
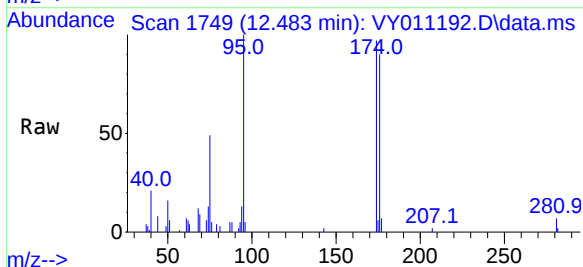
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-12

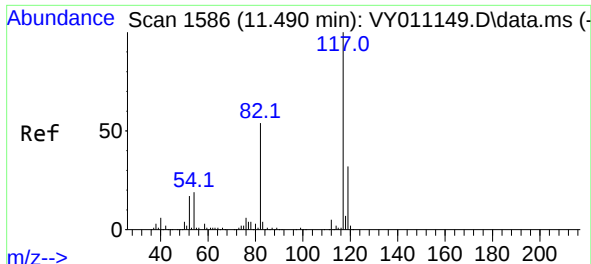
Tgt Ion: 98 Resp: 22575
Ion Ratio Lower Upper
98 100
100 62.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 52.578 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

Tgt Ion: 95 Resp: 6658
Ion Ratio Lower Upper
95 100
174 87.9 0.0 177.0
176 82.6 0.0 175.8

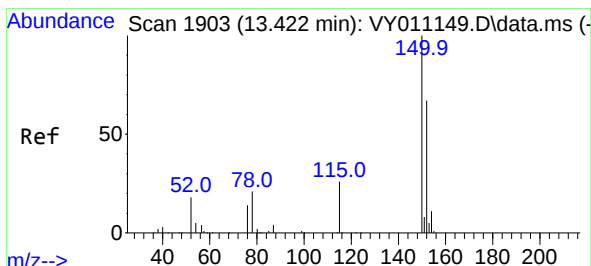
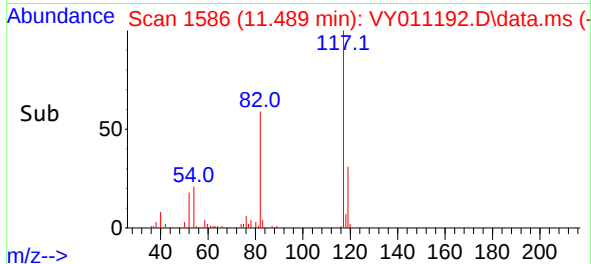
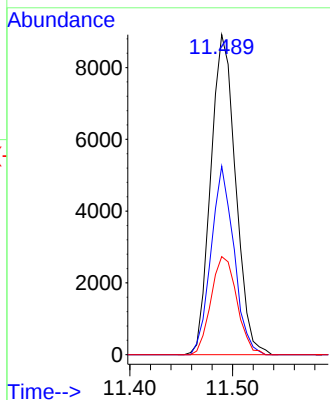
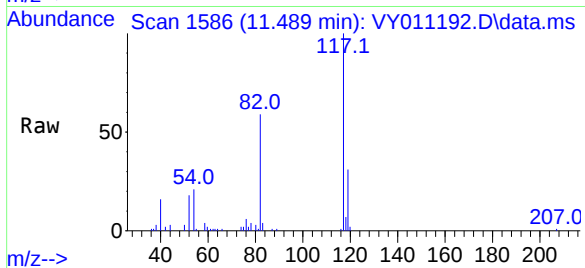




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

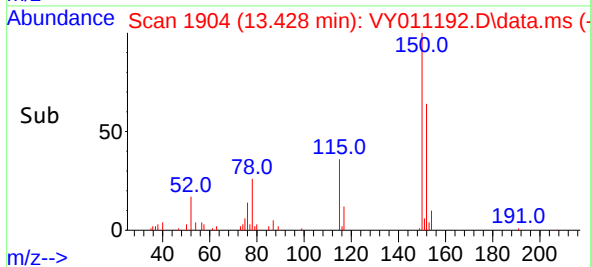
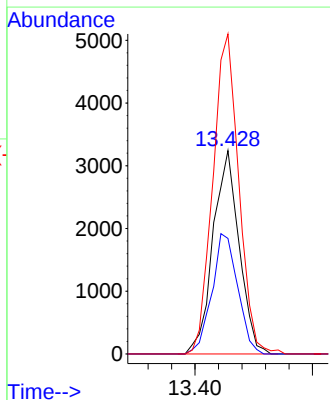
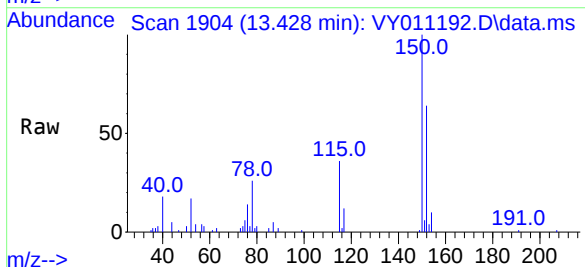
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-12

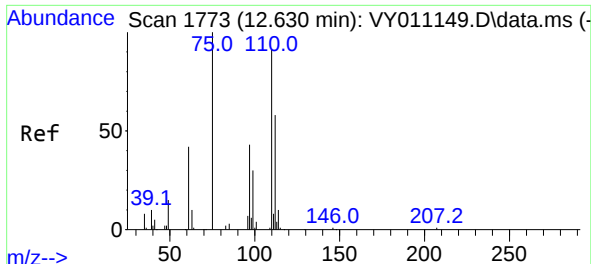
Tgt Ion:	117	Resp:	14948
Ion	Ratio	Lower	Upper
117	100		
82	58.9	43.0	64.4
119	30.7	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

Tgt Ion:	152	Resp:	4995
Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.2	84.7
150	156.9	0.0	347.6

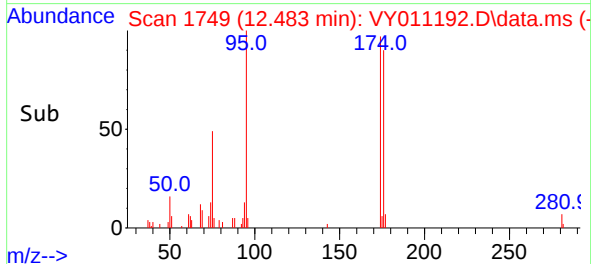
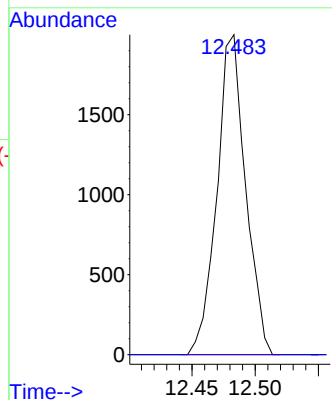
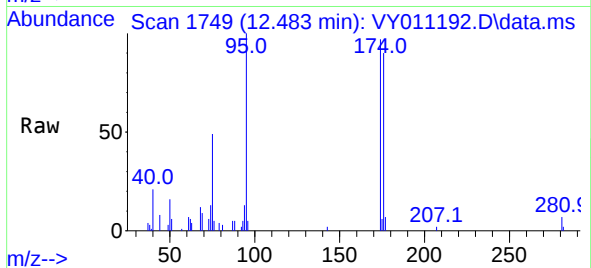




#76
1,2,3-Trichloropropane
Concen: 60.734 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-12

Tgt Ion: 75 Resp: 3154
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 128.979 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY011192.D
Acq: 29 Oct 2022 06:09

Tgt Ion: 75 Resp: 3154
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

