

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011188.D
 Acq On : 29 Oct 2022 04:38
 Operator : KP/MD
 Sample : N5310-12
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-8

Quant Time: Oct 29 06:48:18 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)

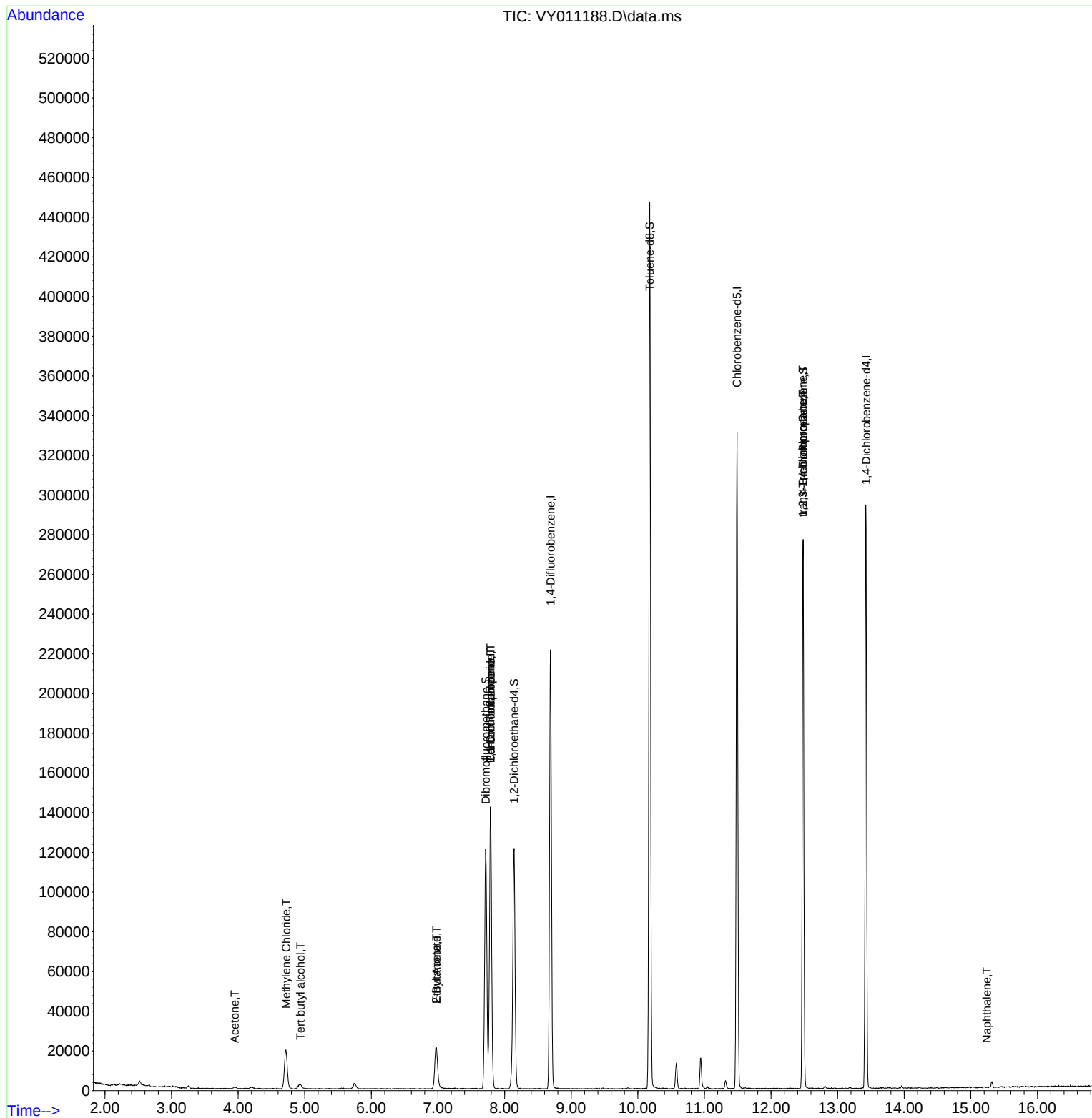
Internal Standards						
1) Pentafluorobenzene	7.789	168	109826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	197020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	185880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	92310	81.286	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 162.580%	
35) Dibromofluoromethane	7.716	113	87180	71.955	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 143.900%	
50) Toluene-d8	10.179	98	298313	62.149	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 124.300%	
62) 4-Bromofluorobenzene	12.483	95	89161	56.769	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	177	Below Cal	#	43
3) Chloromethane	2.119	50	215	Below Cal	#	86
5) Bromomethane	2.668	94	217	Below Cal		93
11) Tert butyl alcohol	4.936	59	2718	20.814	ug/l #	77
16) Acetone	3.948	43	1403	5.049	ug/l #	89
18) Methyl Acetate	4.729	43	27	Below Cal	#	56
20) Methylene Chloride	4.722	84	15221	7.536	ug/l #	78
25) 2-Butanone	6.978	43	1269	3.186	ug/l #	86
31) Cyclohexane	7.789	56	2177	Below Cal	#	11
36) 1,1-Dichloropropene	7.789	75	8489	5.374	ug/l #	52
37) Ethyl Acetate	6.978	43	1269	1.420	ug/l #	1
38) Carbon Tetrachloride	7.789	117	10760	6.254	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	43126	53.606	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43126	113.842	ug/l #	7
95) Naphthalene	15.239	128	49	4.371	ug/l #	69

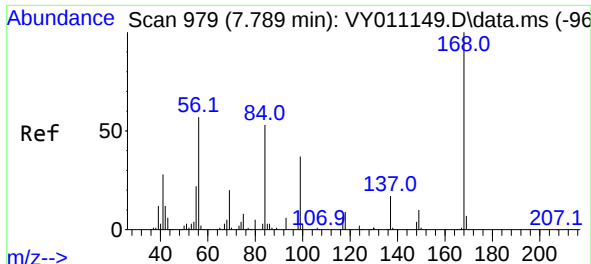
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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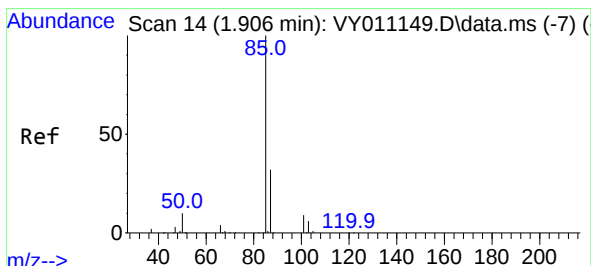
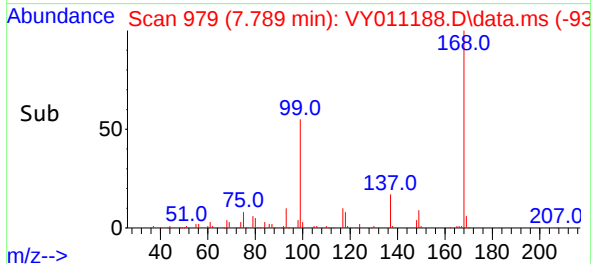
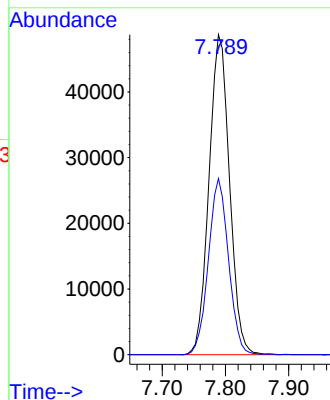
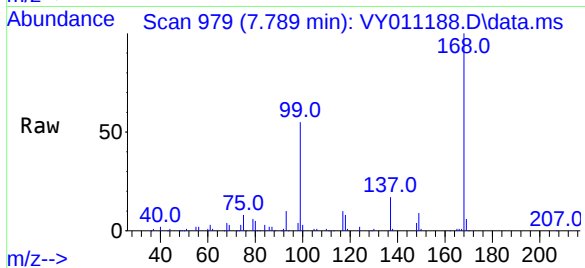




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

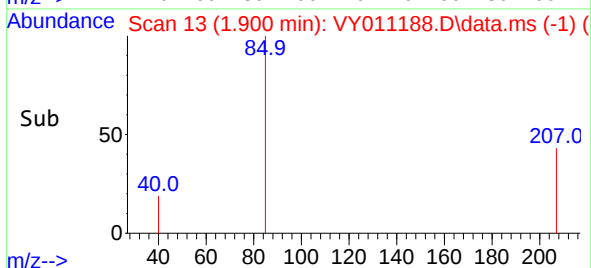
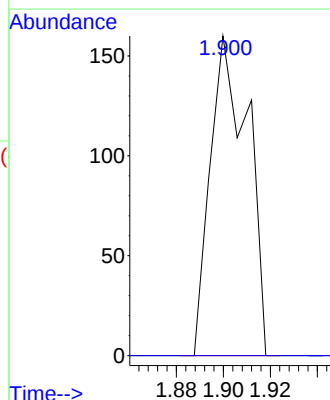
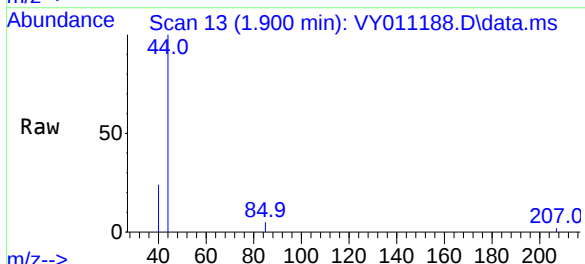
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-8

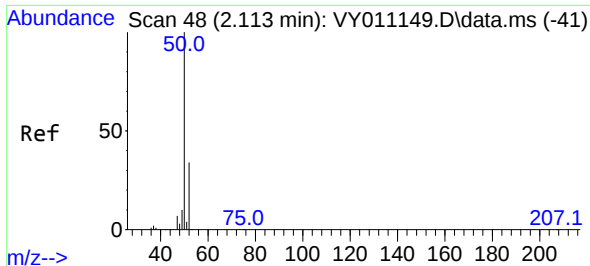
Tgt Ion:168 Resp: 109826
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

Tgt Ion: 85 Resp: 177
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

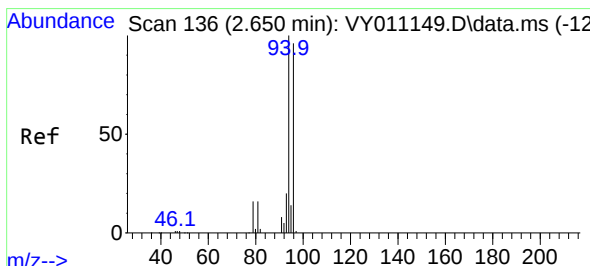
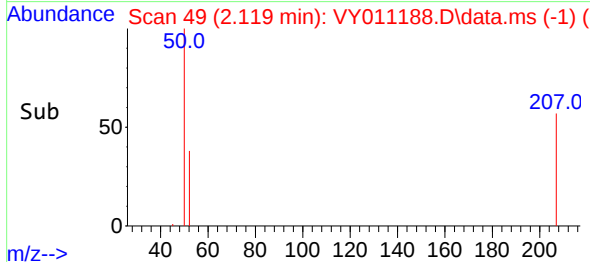
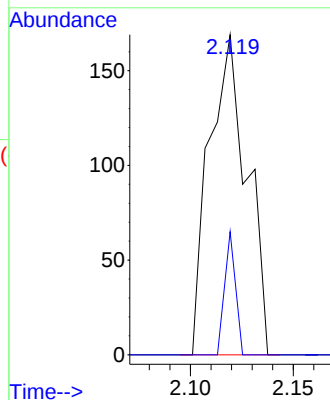
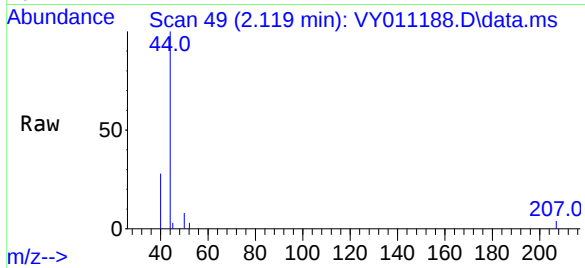




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

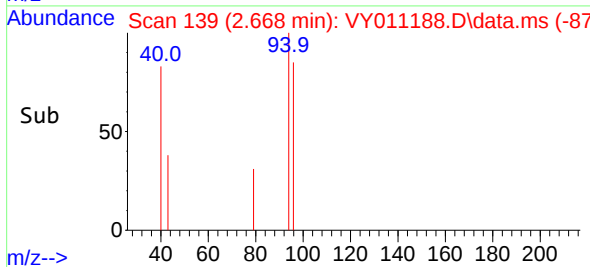
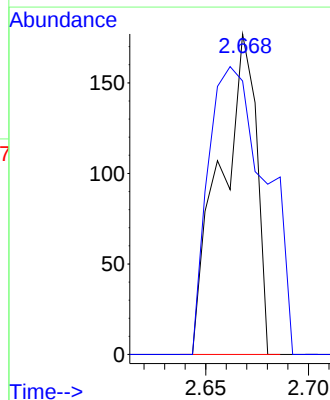
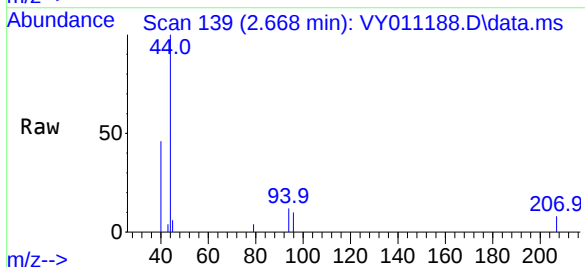
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-8

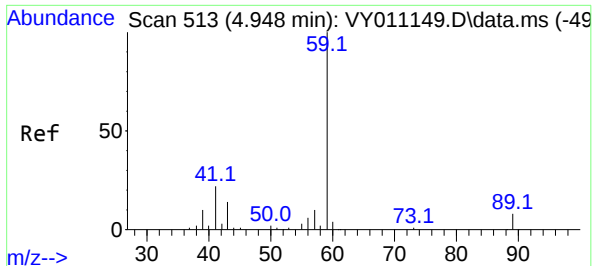
Tgt Ion: 50 Resp: 215
Ion Ratio Lower Upper
50 100
52 38.5 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

Tgt Ion: 94 Resp: 217
Ion Ratio Lower Upper
94 100
96 85.3 73.5 110.3

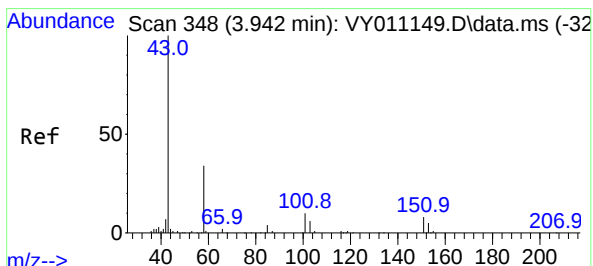
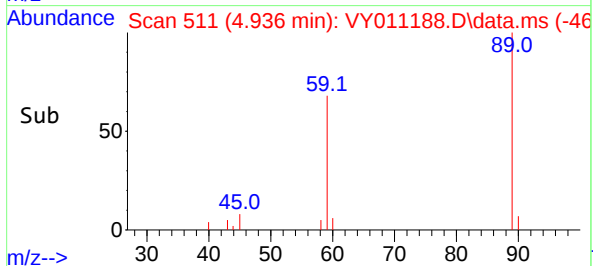
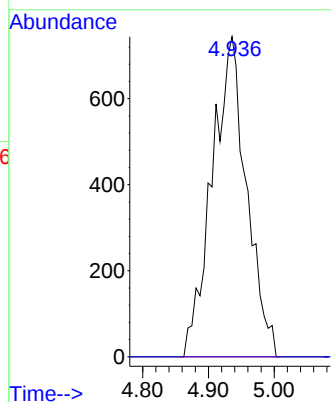
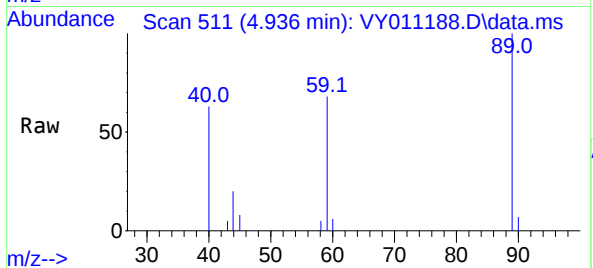




#11
Tert butyl alcohol
Concen: 20.814 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

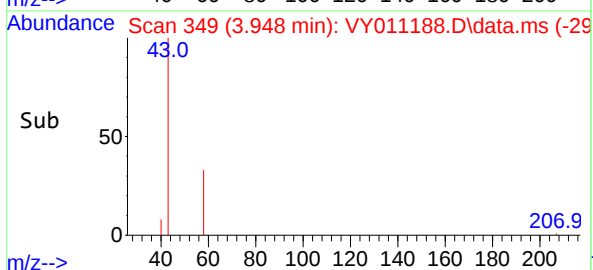
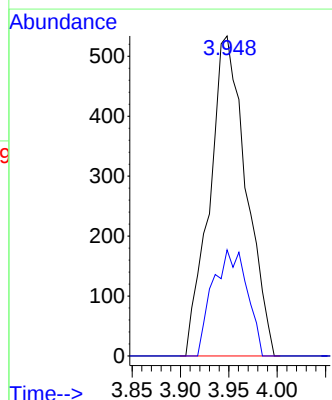
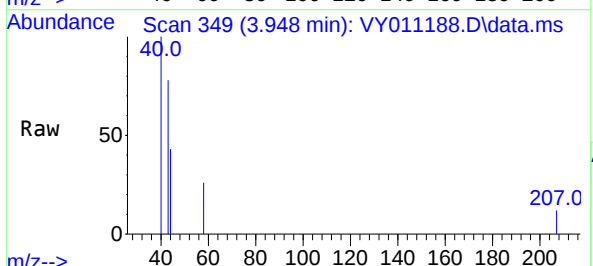
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-8

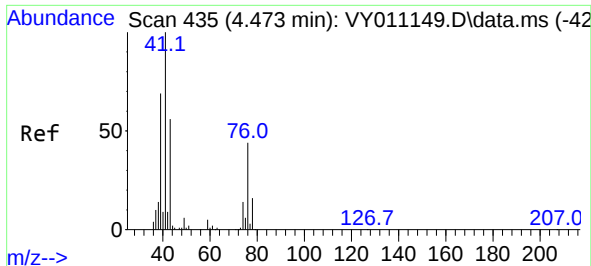
Tgt Ion: 59 Resp: 2718
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 5.049 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
58 33.1 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.729 min Scan# 41

Delta R.T. 0.256 min

Lab File: VY011188.D

Acq: 29 Oct 2022 04:38

Instrument :

MSVOA_Y

ClientSampleId :

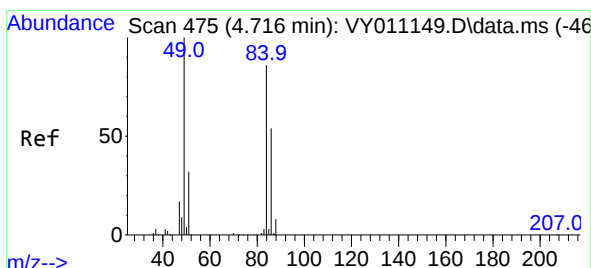
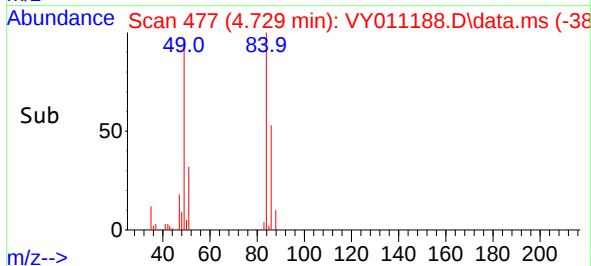
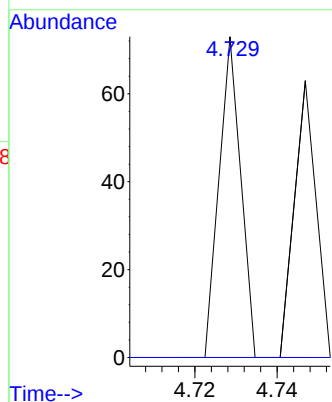
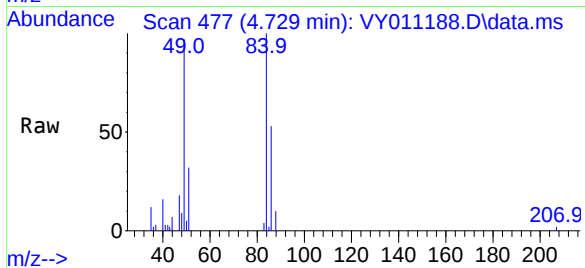
BIN 1-2-(2840)-VOC-8

Tgt Ion: 43 Resp: 27

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 7.536 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY011188.D

Acq: 29 Oct 2022 04:38

Tgt Ion: 84 Resp: 15221

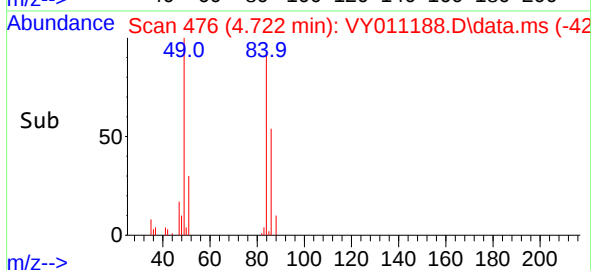
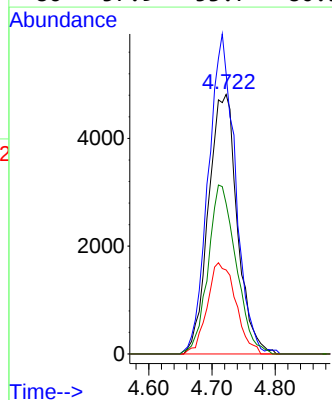
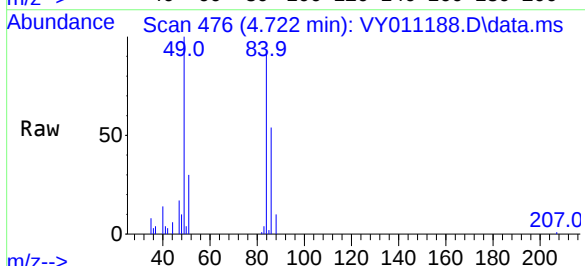
Ion Ratio Lower Upper

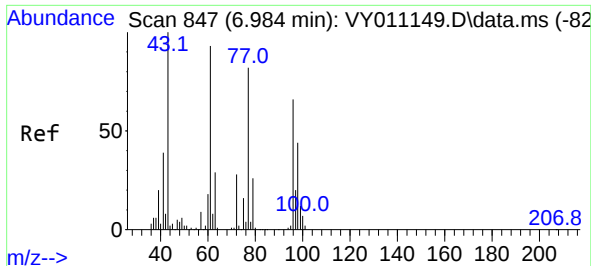
84 100

49 108.1 114.4 171.6#

51 32.4 35.3 52.9#

86 57.9 53.7 80.5

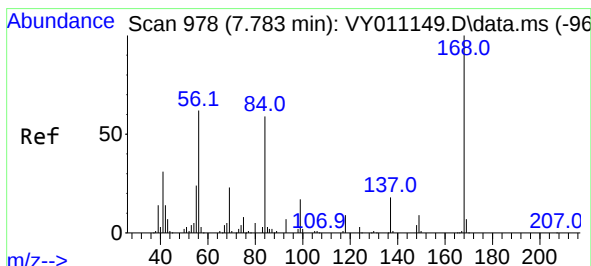
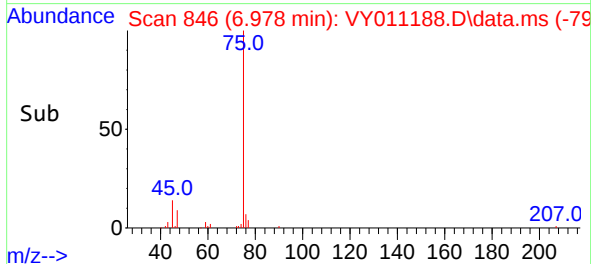
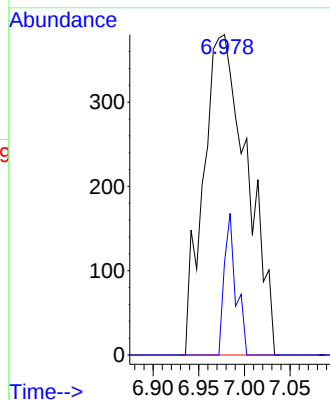
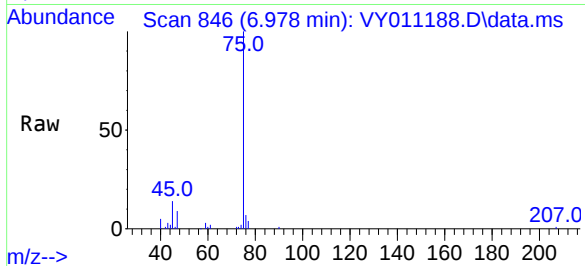




#25
2-Butanone
Concen: 3.186 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

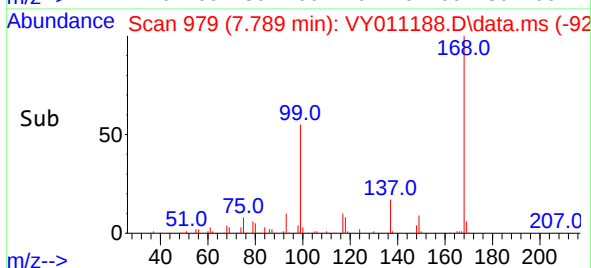
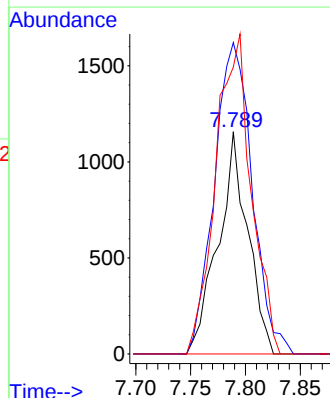
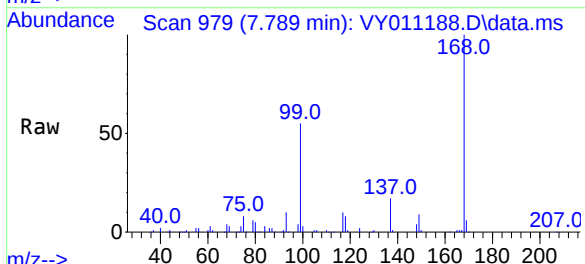
Instrument :
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ClientSampleId :
BIN 1-2-(2840)-VOC-8

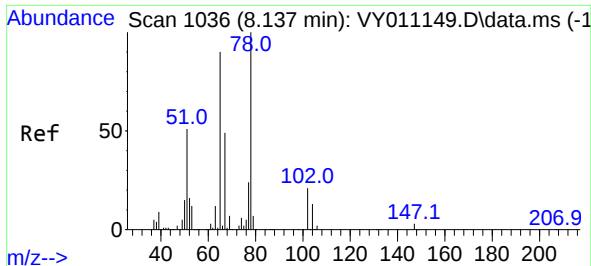
Tgt Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
72 28.9 17.7 26.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

Tgt Ion: 56 Resp: 2177
Ion Ratio Lower Upper
56 100
69 140.1 26.7 40.1#
84 129.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 81.286 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY011188.D

Acq: 29 Oct 2022 04:38

Instrument :

MSVOA_Y

ClientSampleId :

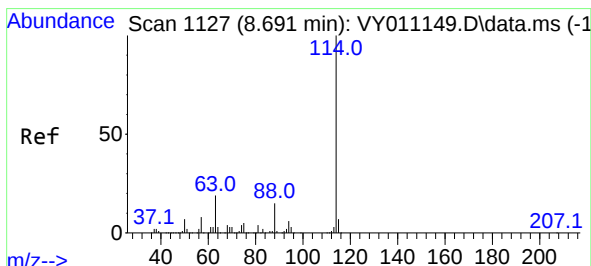
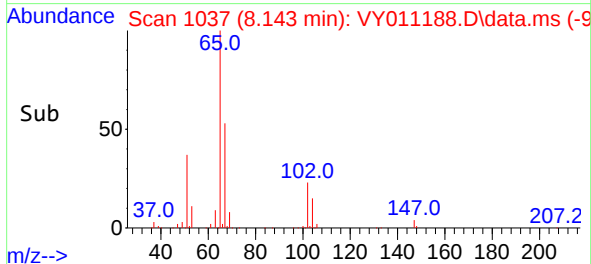
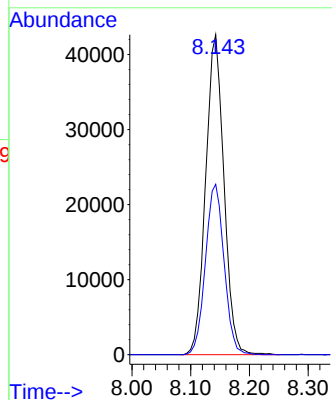
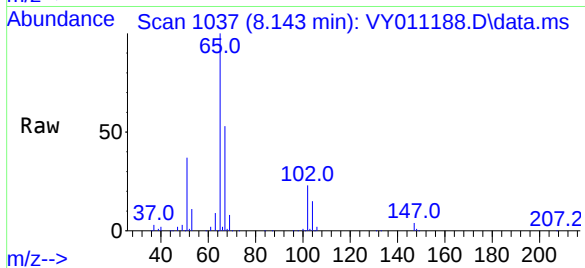
BIN 1-2-(2840)-VOC-8

Tgt Ion: 65 Resp: 92310

Ion Ratio Lower Upper

65 100

67 54.3 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: VY011188.D

Acq: 29 Oct 2022 04:38

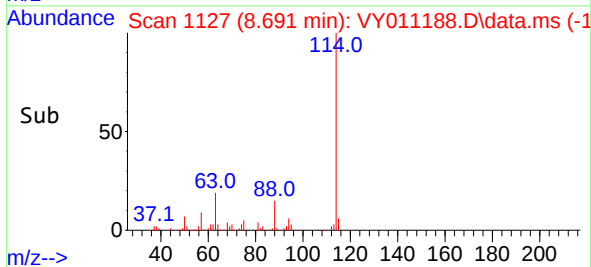
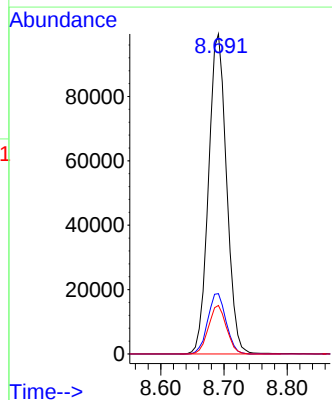
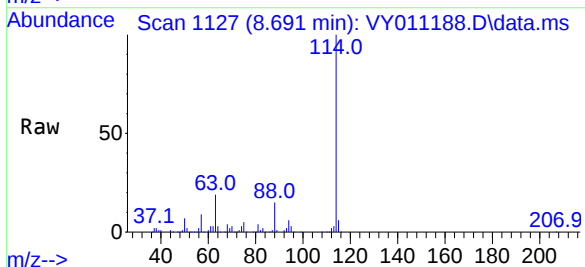
Tgt Ion: 114 Resp: 197020

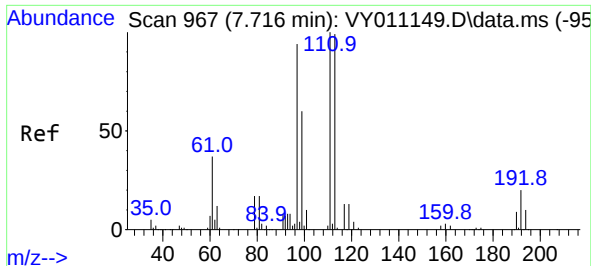
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.1 0.0 31.8

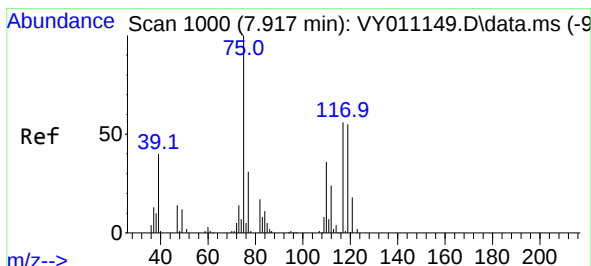
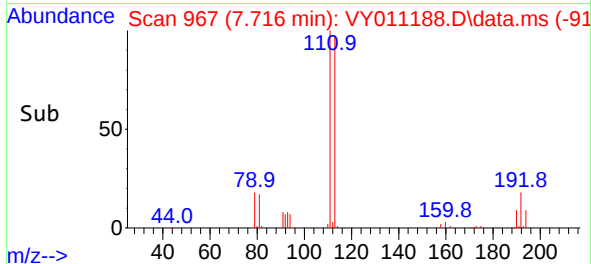
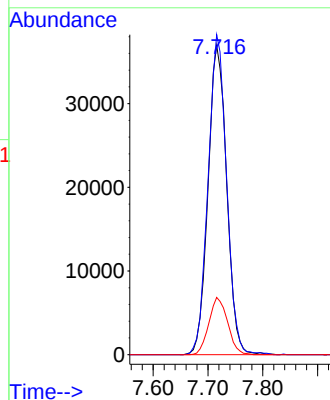
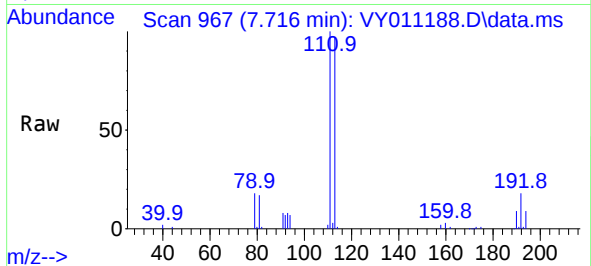




#35
Dibromofluoromethane
Concen: 71.955 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

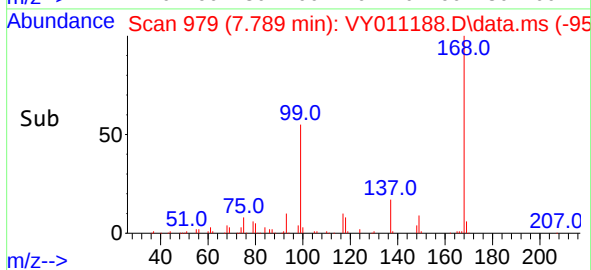
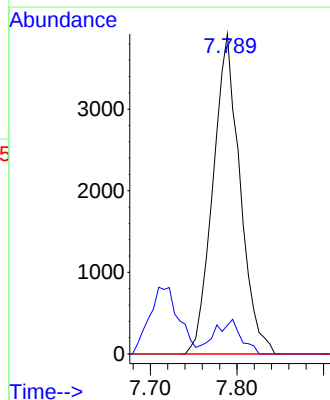
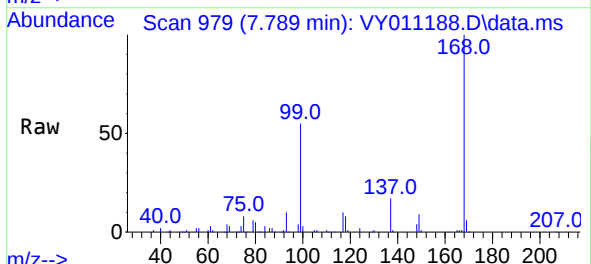
Instrument :
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BIN 1-2-(2840)-VOC-8

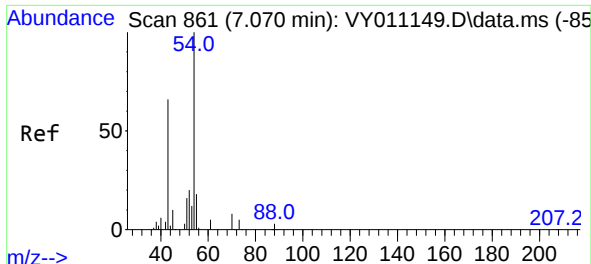
Tgt Ion:113 Resp: 87180
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.374 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

Tgt Ion: 75 Resp: 8489
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#

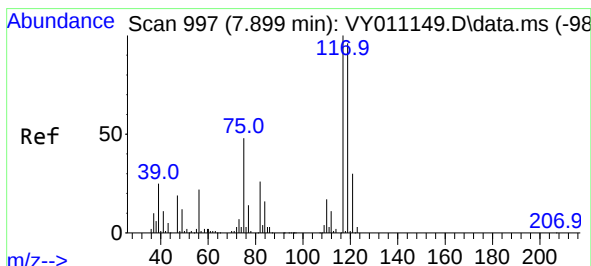
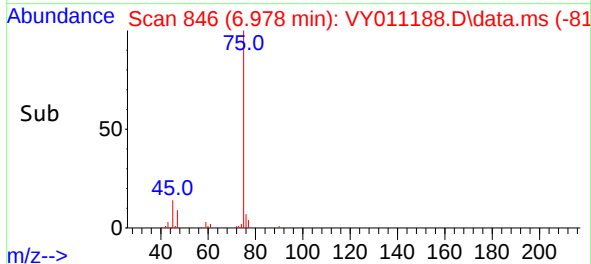
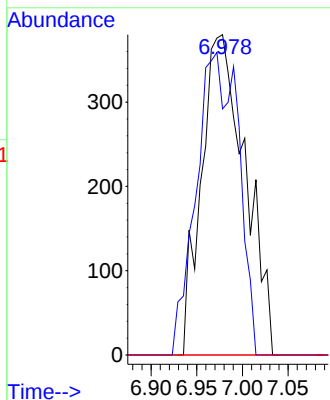
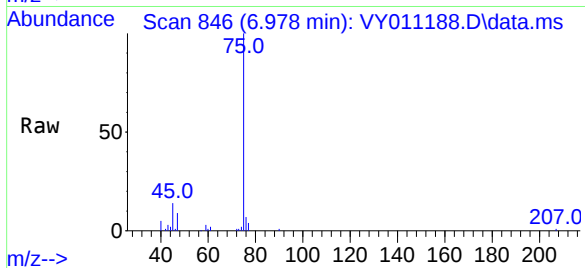




#37
Ethyl Acetate
Concen: 1.420 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

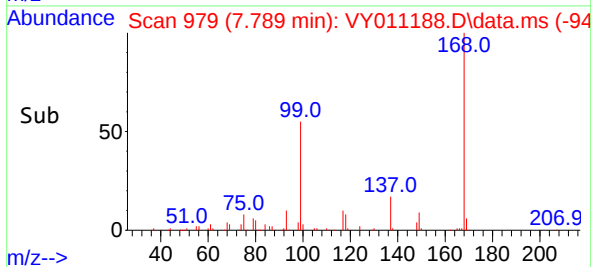
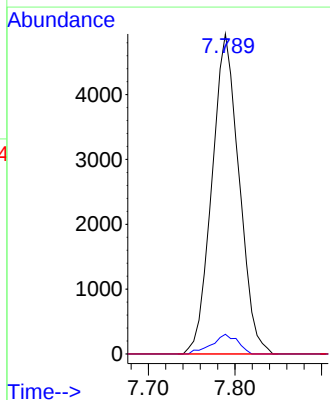
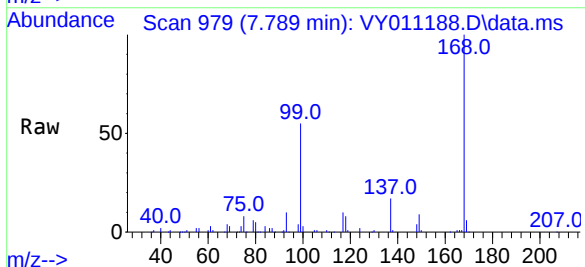
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-8

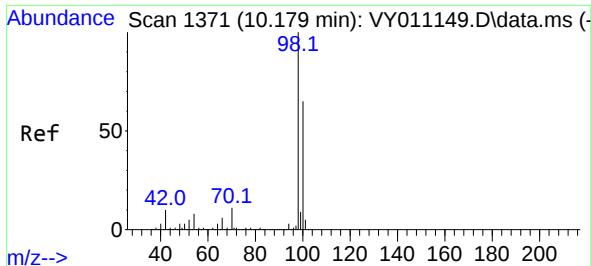
Tgt Ion: 43 Resp: 1269
Ion Ratio Lower Upper
43 100
61 91.0 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.254 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

Tgt Ion: 117 Resp: 10760
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#

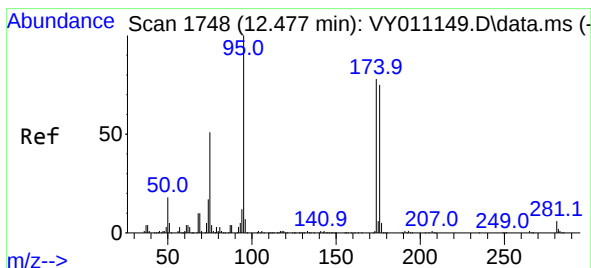
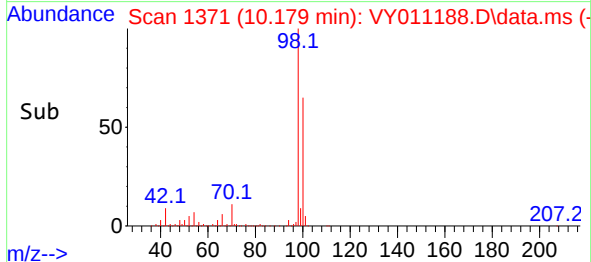
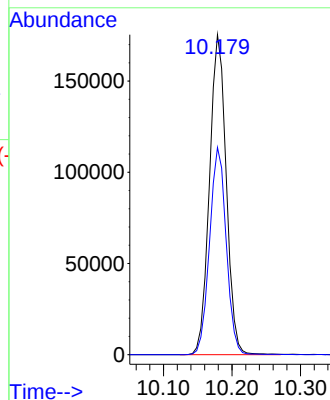
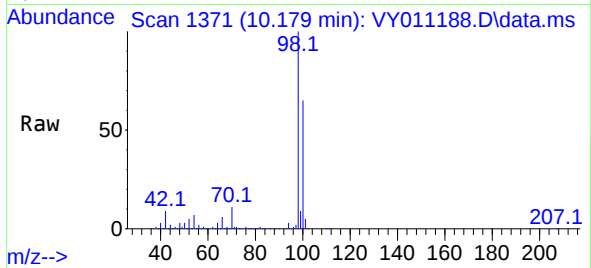




#50
Toluene-d8
Concen: 62.149 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

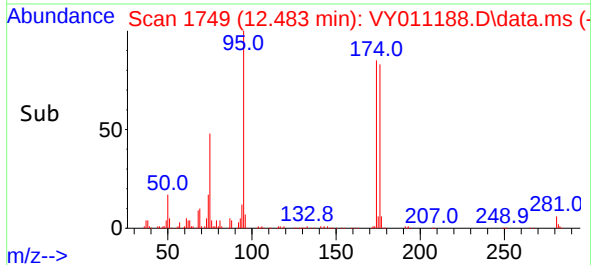
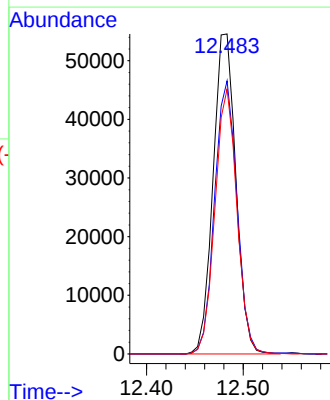
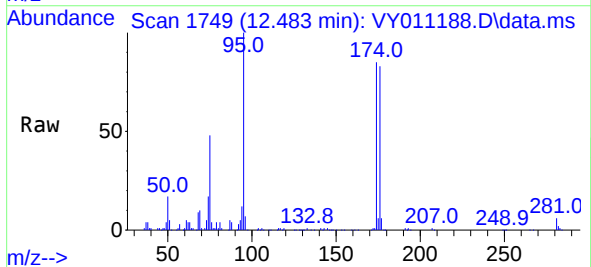
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-8

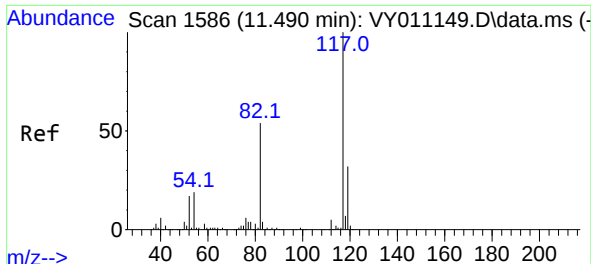
Tgt Ion: 98 Resp: 298313
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 56.769 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

Tgt Ion: 95 Resp: 89161
Ion Ratio Lower Upper
95 100
174 84.1 0.0 177.0
176 79.7 0.0 175.8

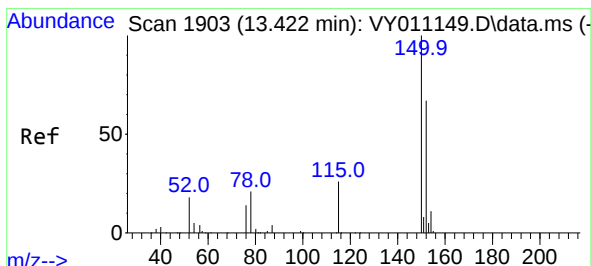
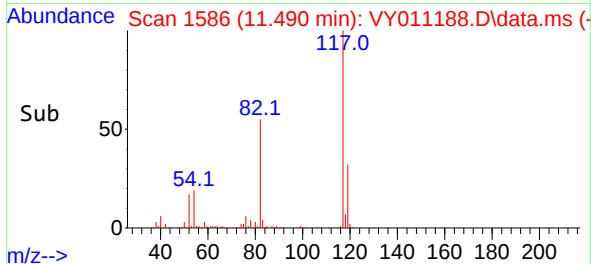
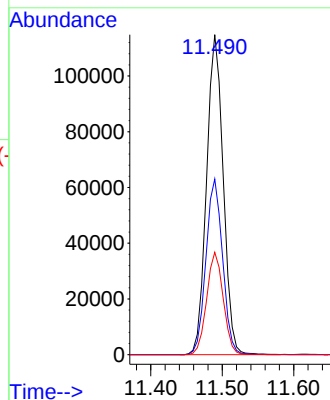
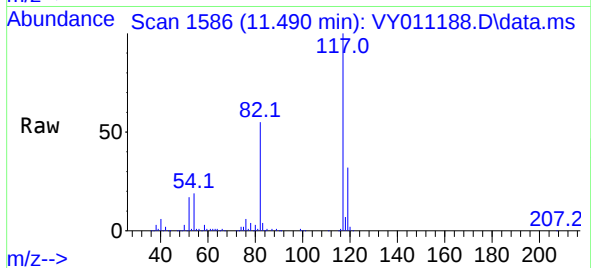




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

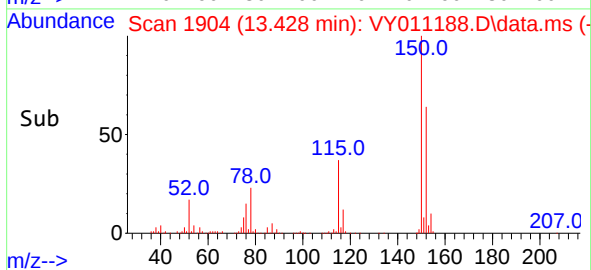
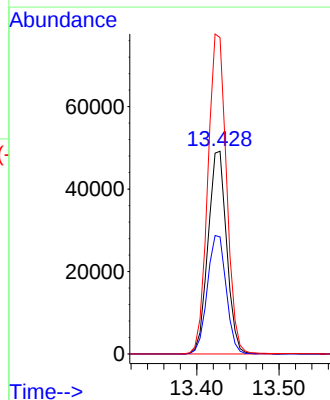
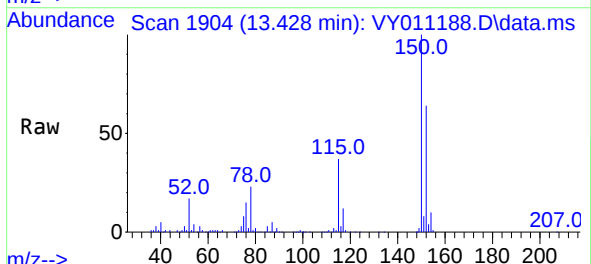
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-8

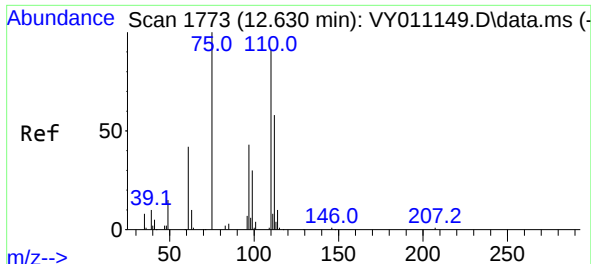
Tgt Ion:117 Resp: 185880
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

Tgt Ion:152 Resp: 77380
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 158.6 0.0 347.6

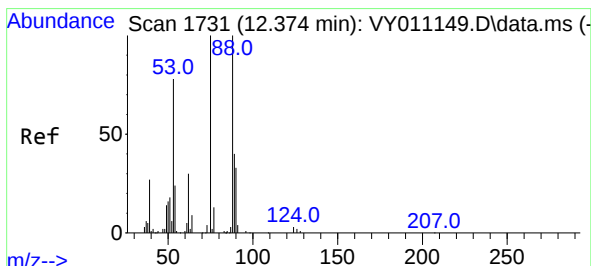
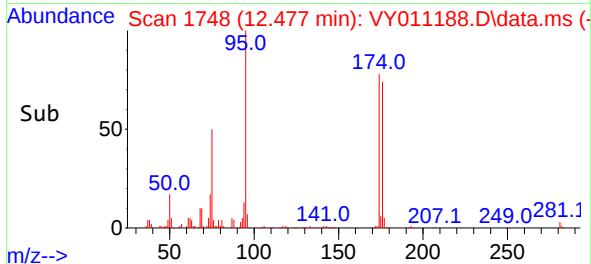
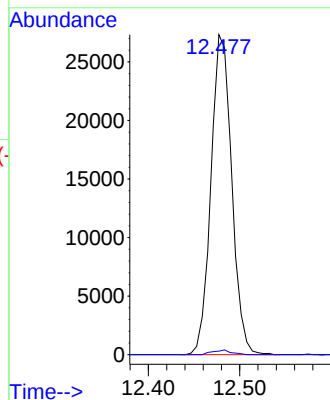
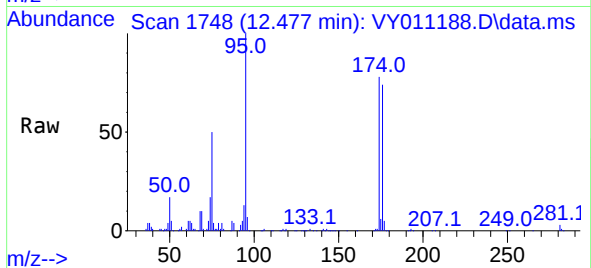




#76
1,2,3-Trichloropropane
Concen: 53.606 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

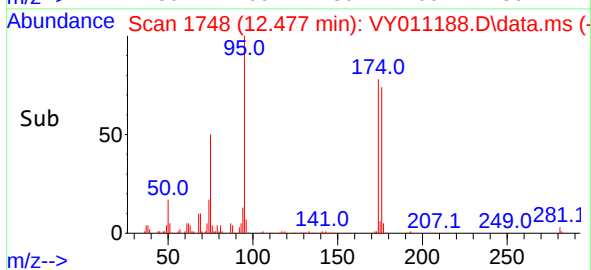
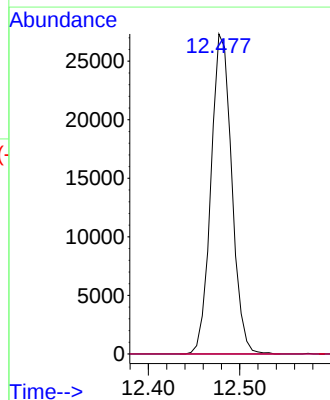
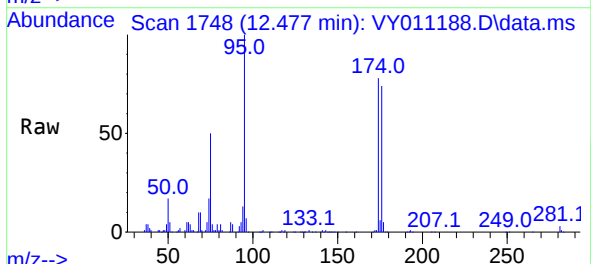
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-8

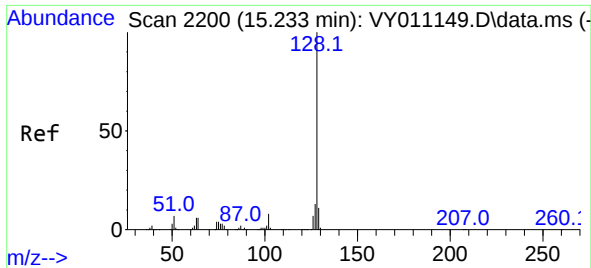
Tgt Ion: 75 Resp: 43126
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.842 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011188.D
Acq: 29 Oct 2022 04:38

Tgt Ion: 75 Resp: 43126
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.371 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY011188.D

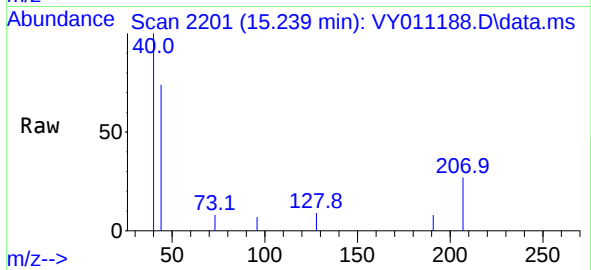
Acq: 29 Oct 2022 04:38

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-8



Tgt Ion:128 Resp: 49

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

