

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011185.D
 Acq On : 29 Oct 2022 03:30
 Operator : KP/MD
 Sample : N5310-09
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BIN 1-2-(2840)-VOC-5

Quant Time: Oct 29 06:47:44 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)

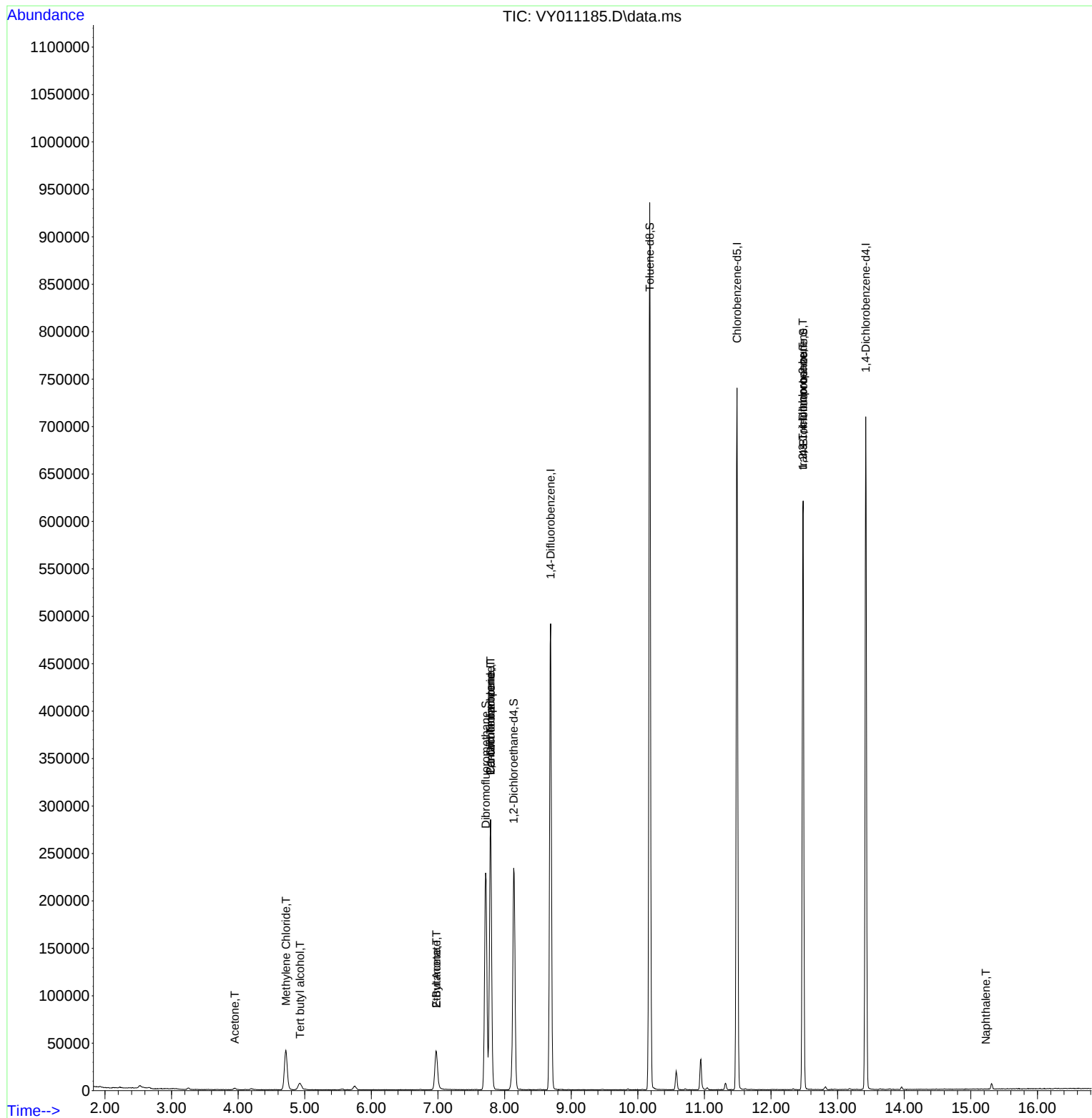
Internal Standards						
1) Pentafluorobenzene	7.789	168	221742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	429008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	410287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	183357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	176830	77.122	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 154.240%	
35) Dibromofluoromethane	7.716	113	171161	64.877	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.760%	
50) Toluene-d8	10.179	98	606203	58.000	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 116.000%	
62) 4-Bromofluorobenzene	12.483	95	198322	57.990	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.980%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	169	Below Cal		90
3) Chloromethane	2.119	50	224	Below Cal	#	44
4) Vinyl Chloride	2.454	62	23	Below Cal	#	43
5) Bromomethane	2.656	94	242	Below Cal		95
11) Tert butyl alcohol	4.930	59	7154	28.456	ug/l #	77
16) Acetone	3.948	43	3021	5.385	ug/l #	85
18) Methyl Acetate	4.478	43	88	Below Cal	#	56
20) Methylene Chloride	4.716	84	32471	8.404	ug/l	87
25) 2-Butanone	6.978	43	2458	3.057	ug/l #	89
31) Cyclohexane	7.789	56	4191	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	16910	4.917	ug/l #	50
37) Ethyl Acetate	6.978	43	2458	1.263	ug/l #	1
38) Carbon Tetrachloride	7.789	117	22208	5.928	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	98517	51.679	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	98517	109.750	ug/l #	7
95) Naphthalene	15.227	128	74	4.365	ug/l #	69

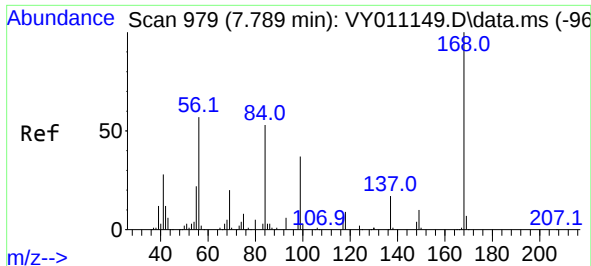
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
Data File : VY011185.D
Acq On : 29 Oct 2022 03:30
Operator : KP/MD
Sample : N5310-09
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5

Quant Time: Oct 29 06:47:44 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

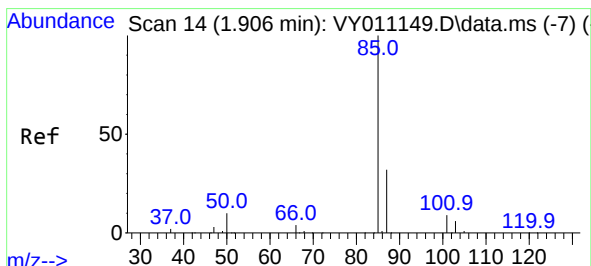
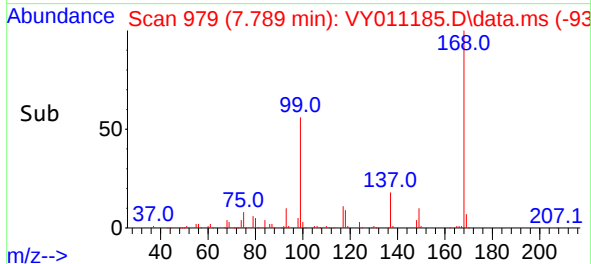
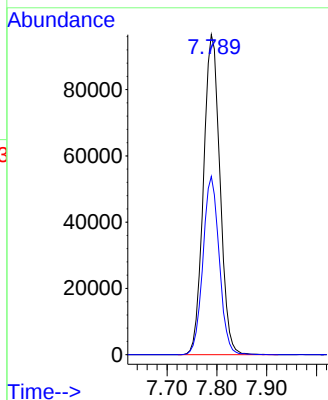
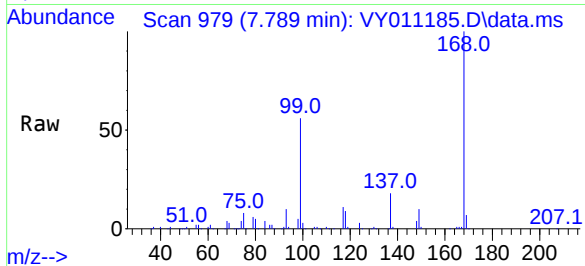




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

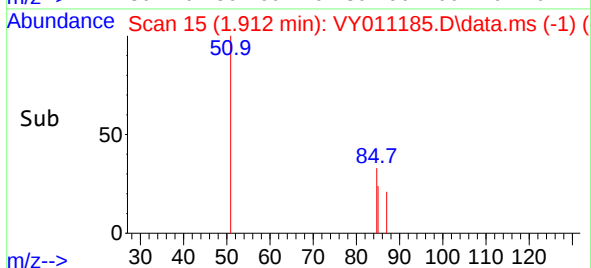
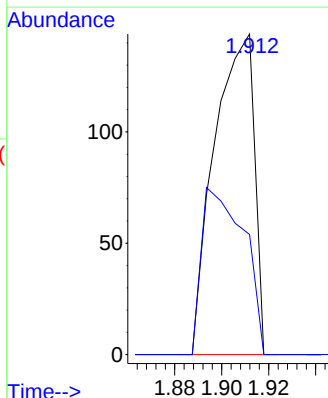
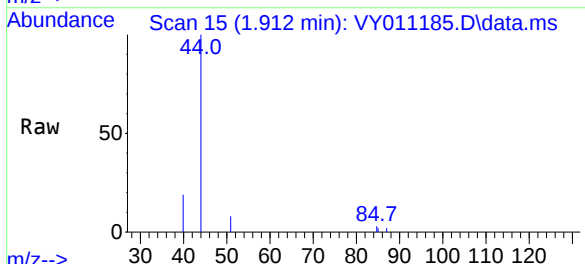
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5

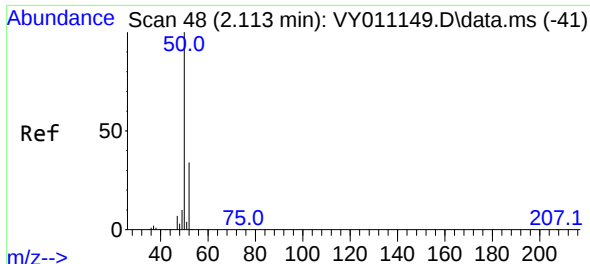
Tgt Ion:168 Resp: 221742
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Tgt Ion: 85 Resp: 169
Ion Ratio Lower Upper
85 100
87 37.5 16.1 48.2

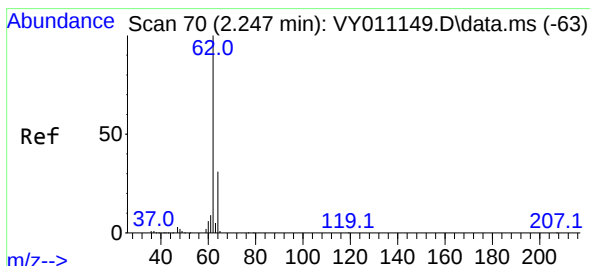
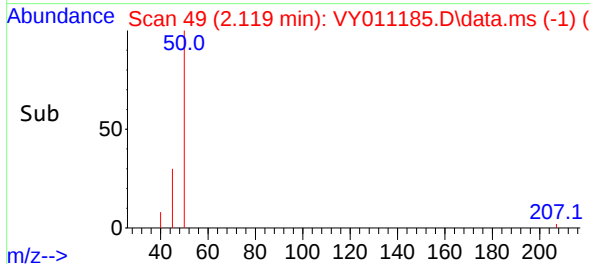
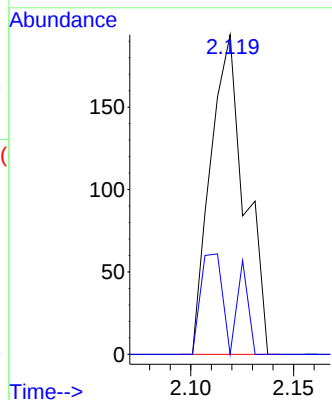
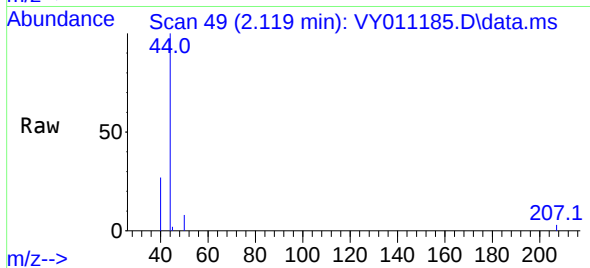




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

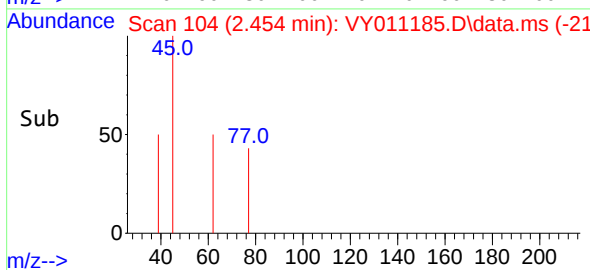
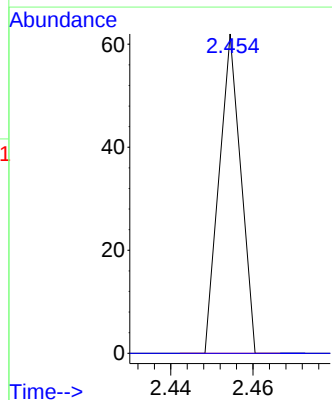
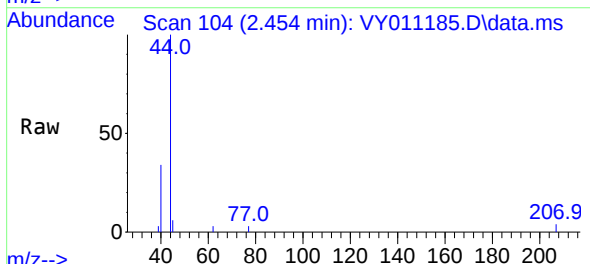
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5

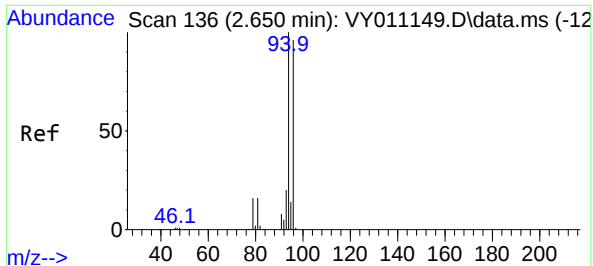
Tgt Ion: 50 Resp: 224
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.454 min Scan# 104
Delta R.T. 0.207 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Tgt Ion: 62 Resp: 23
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

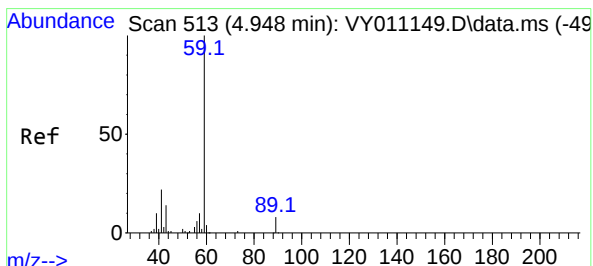
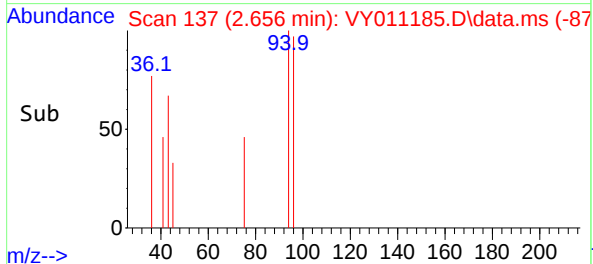
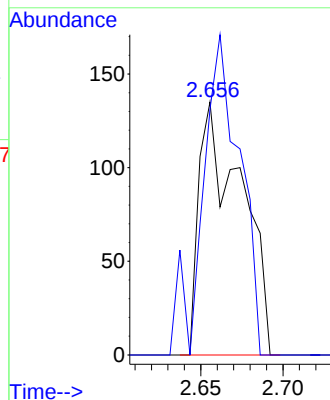
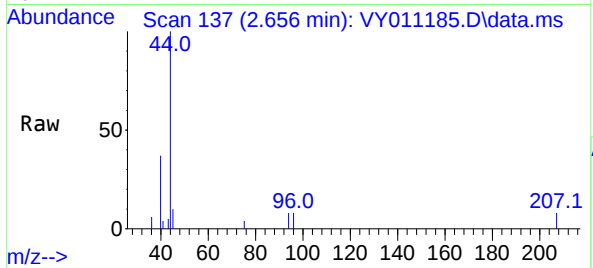




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

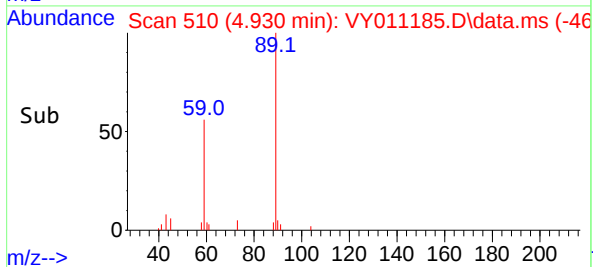
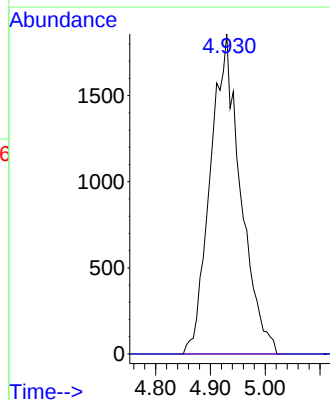
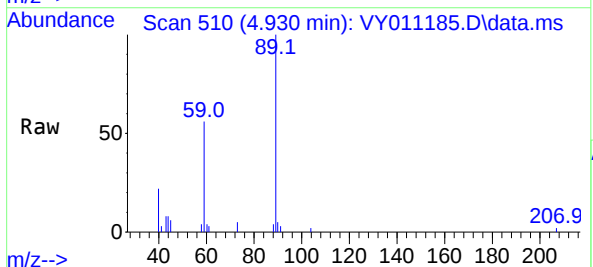
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5

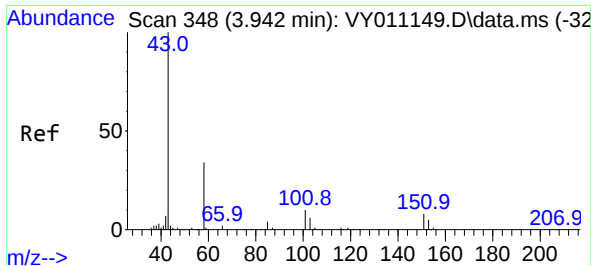
Tgt Ion: 94 Resp: 242
Ion Ratio Lower Upper
94 100
96 97.0 73.5 110.3



#11
Tert butyl alcohol
Concen: 28.456 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Tgt Ion: 59 Resp: 7154
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

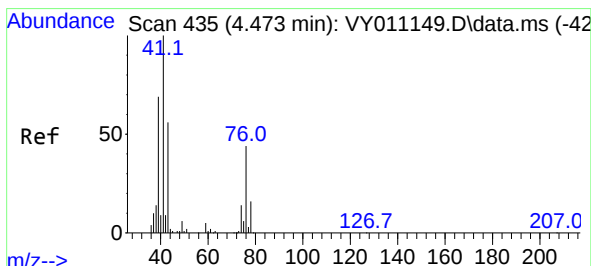
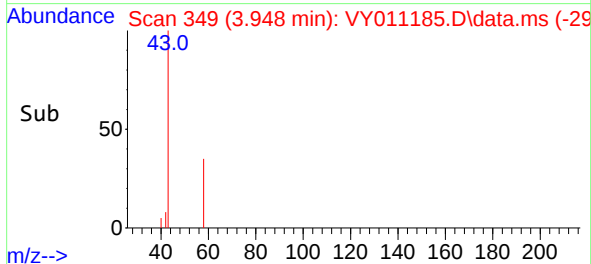
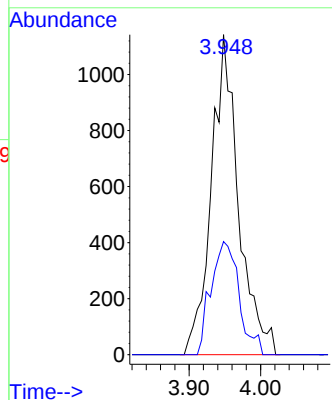
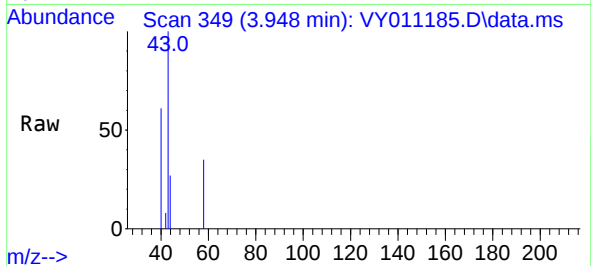




#16
Acetone
Concen: 5.385 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

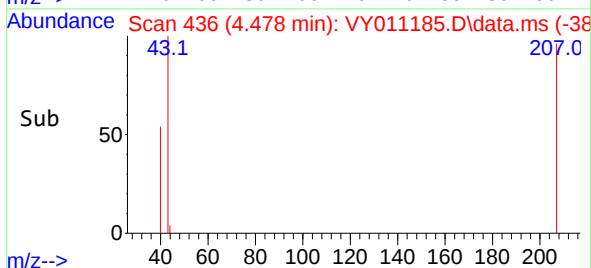
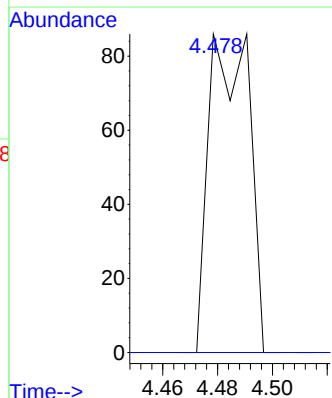
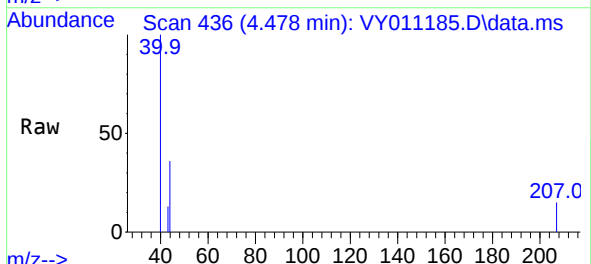
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5

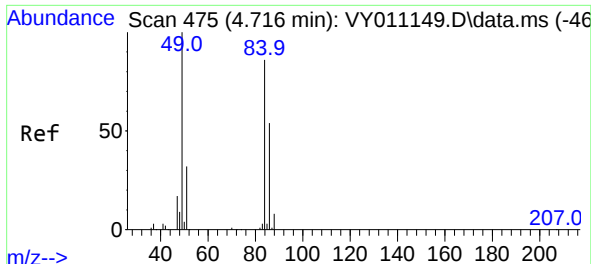
Tgt Ion: 43 Resp: 3021
Ion Ratio Lower Upper
43 100
58 35.4 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 436
Delta R.T. 0.005 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



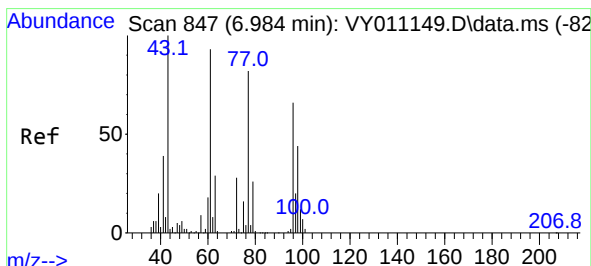
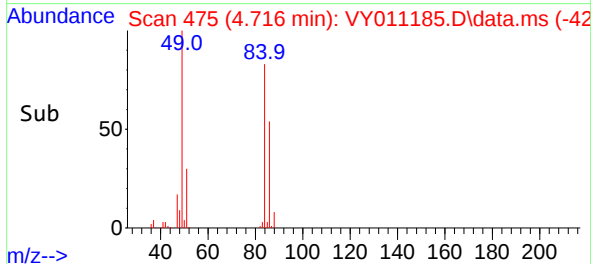
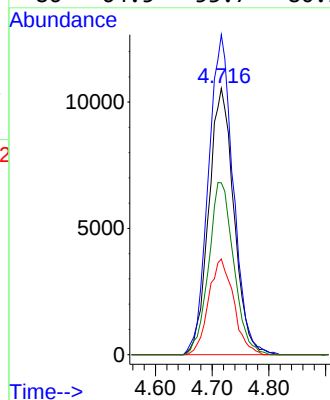
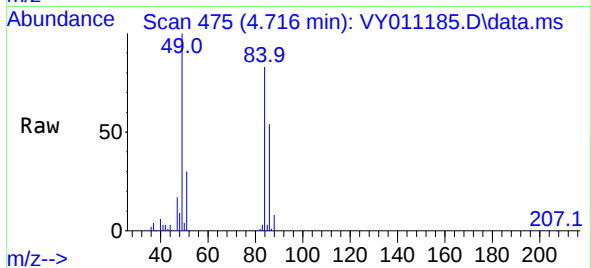


#20
Methylene Chloride
Concen: 8.404 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5

Tgt Ion: 84 Resp: 32471

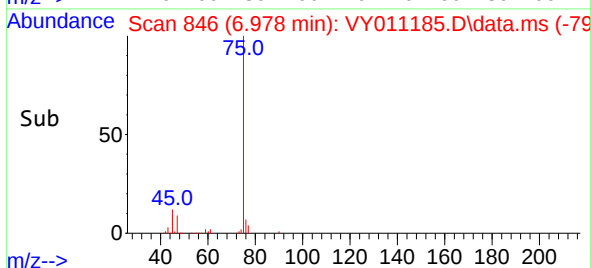
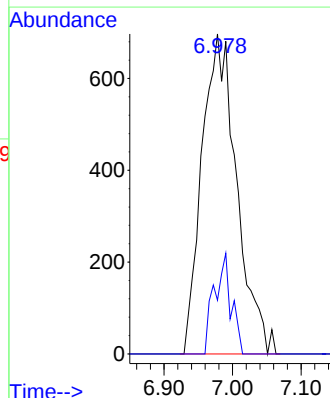
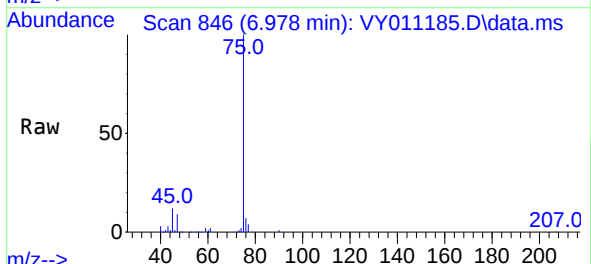
Ion	Ratio	Lower	Upper
84	100		
49	120.1	114.4	171.6
51	35.9	35.3	52.9
86	64.5	53.7	80.5

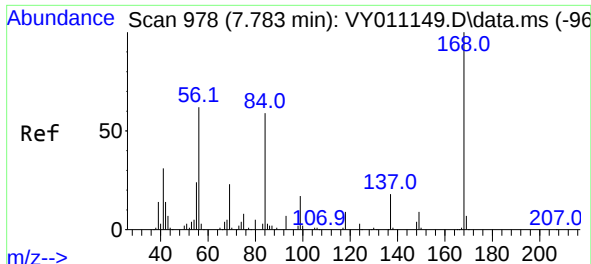


#25
2-Butanone
Concen: 3.057 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Tgt Ion: 43 Resp: 2458

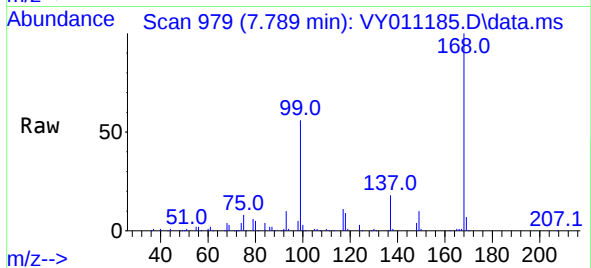
Ion	Ratio	Lower	Upper
43	100		
72	16.8	17.7	26.5#



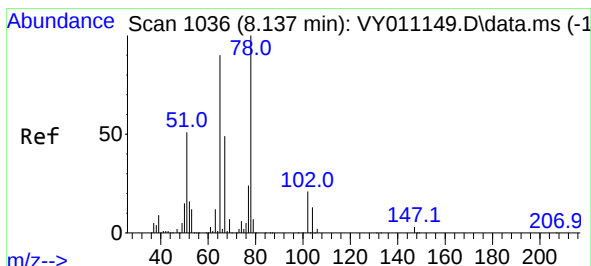
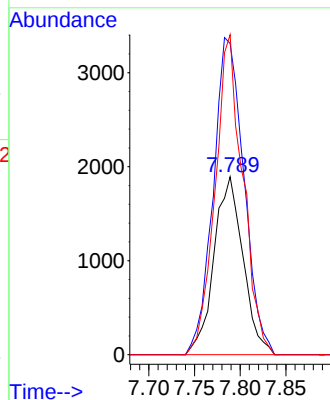
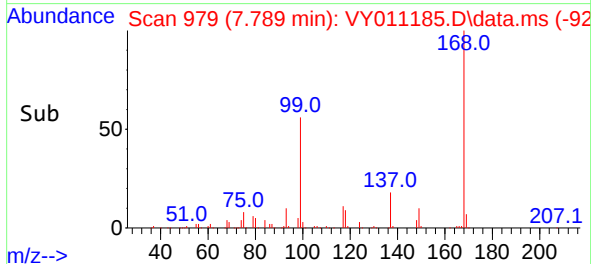


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

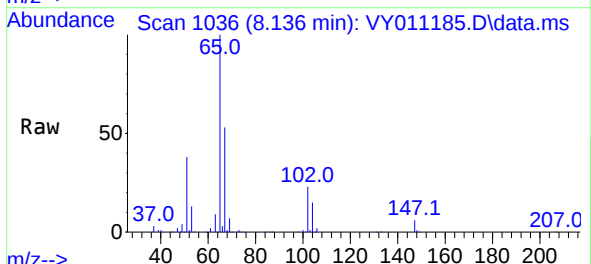
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5



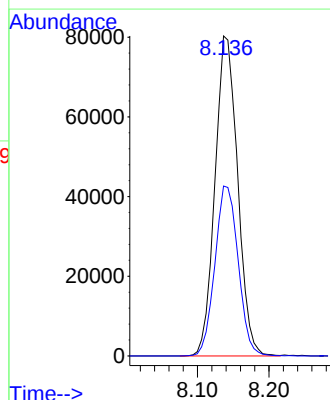
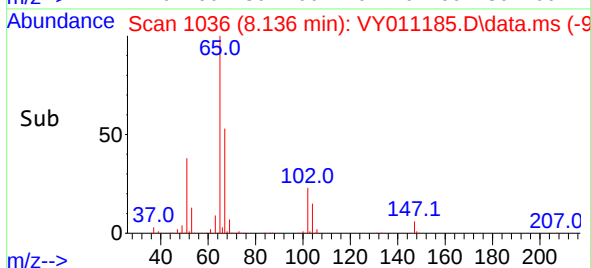
Tgt Ion: 56 Resp: 4191
Ion Ratio Lower Upper
56 100
69 174.9 26.7 40.1#
84 179.8 67.2 100.8#

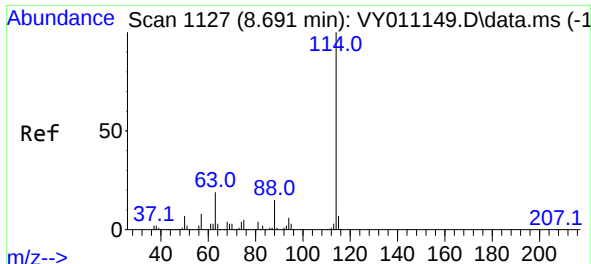


#33
1,2-Dichloroethane-d4
Concen: 77.122 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30



Tgt Ion: 65 Resp: 176830
Ion Ratio Lower Upper
65 100
67 54.6 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: VY011185.D

Acq: 29 Oct 2022 03:30

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-5

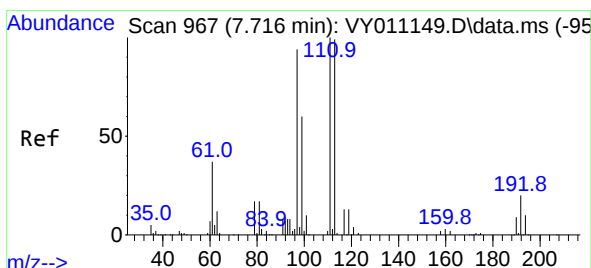
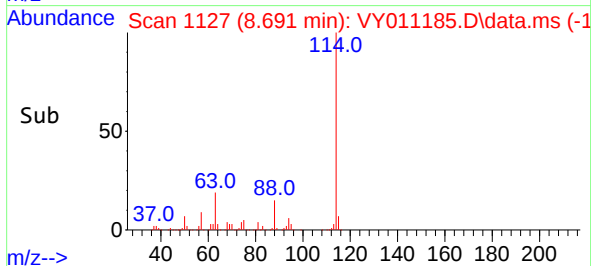
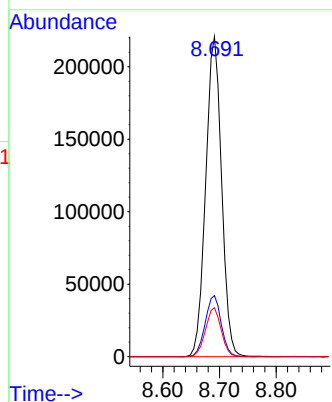
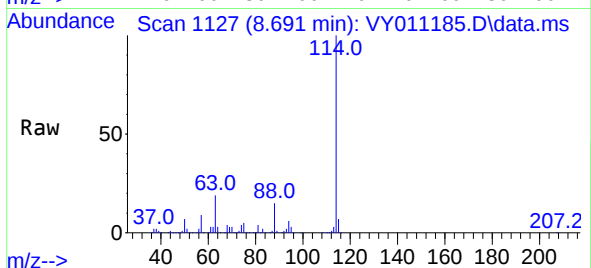
Tgt Ion:114 Resp: 429008

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 64.877 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011185.D

Acq: 29 Oct 2022 03:30

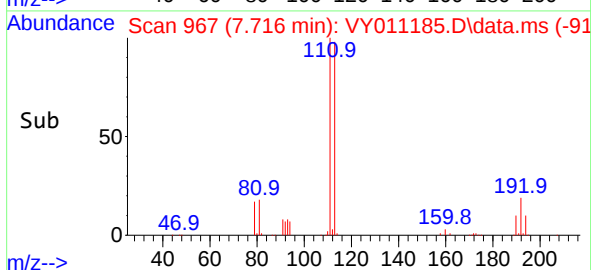
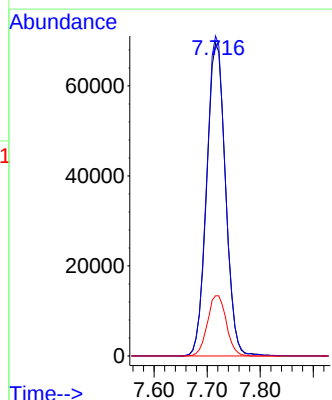
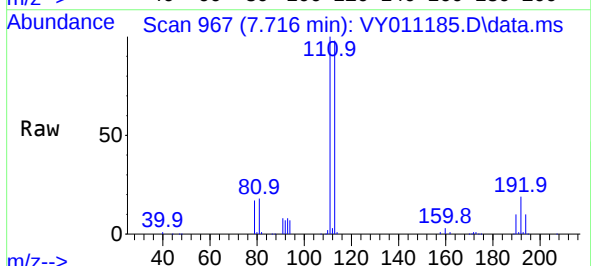
Tgt Ion:113 Resp: 171161

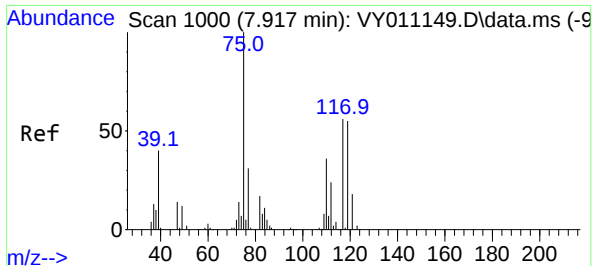
Ion Ratio Lower Upper

113 100

111 101.7 82.6 124.0

192 19.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.917 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011185.D

Acq: 29 Oct 2022 03:30

Instrument :

MSVOA_Y

ClientSampleId :

BIN 1-2-(2840)-VOC-5

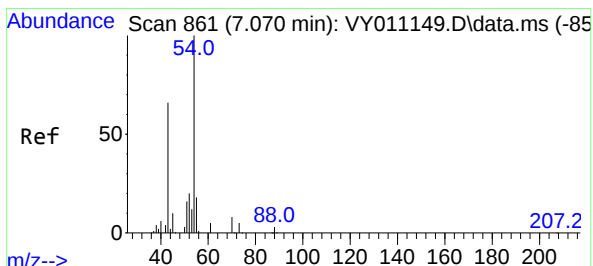
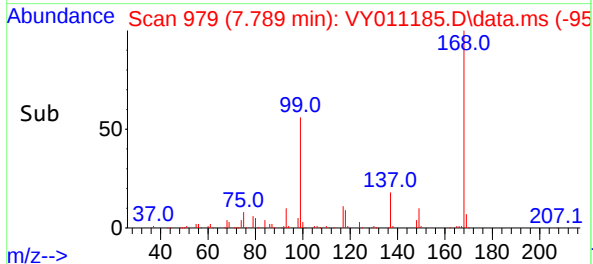
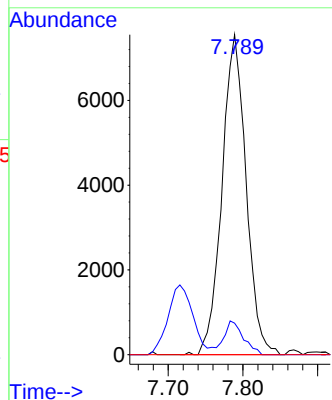
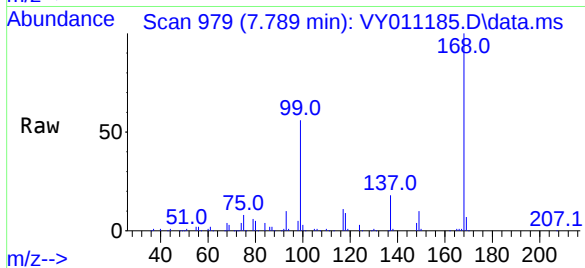
Tgt Ion: 75 Resp: 16910

Ion Ratio Lower Upper

75 100

110 8.2 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.263 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY011185.D

Acq: 29 Oct 2022 03:30

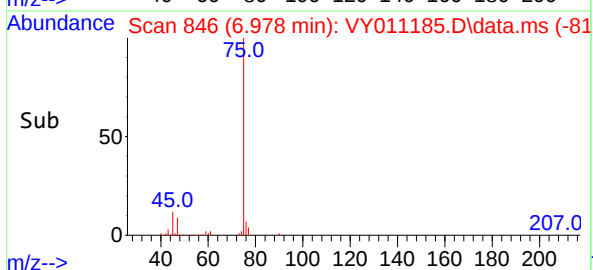
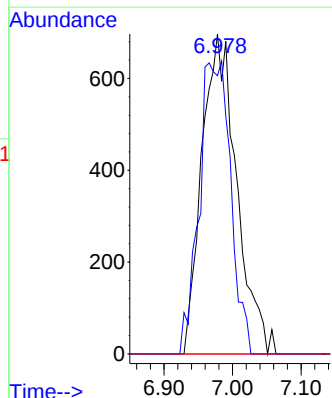
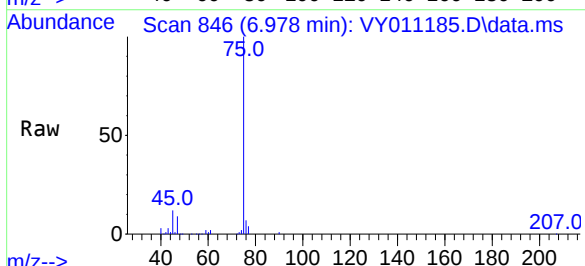
Tgt Ion: 43 Resp: 2458

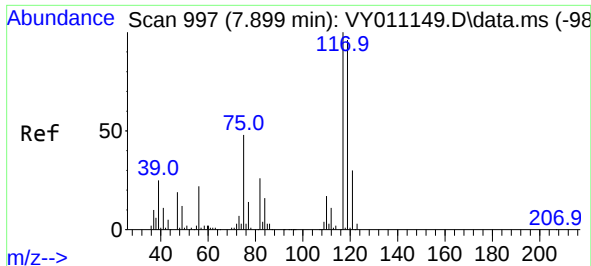
Ion Ratio Lower Upper

43 100

61 82.7 9.7 14.5#

70 0.0 7.1 10.7#

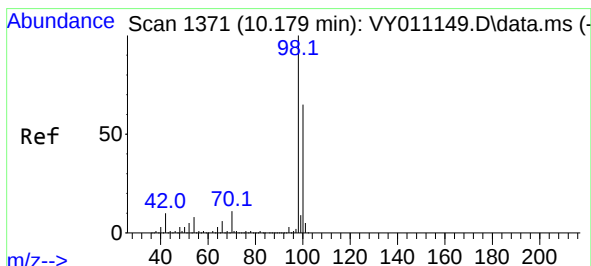
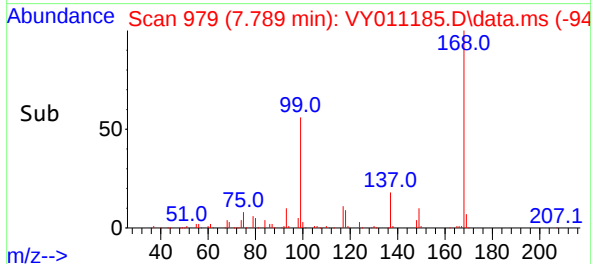
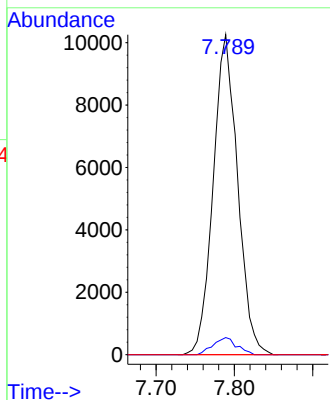
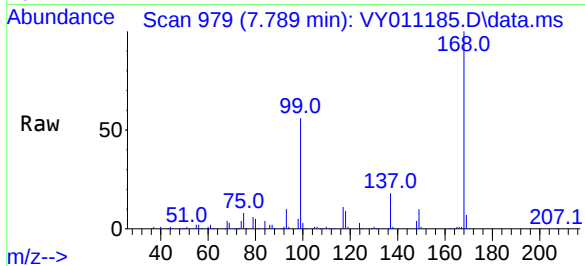




#38
Carbon Tetrachloride
Concen: 5.928 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

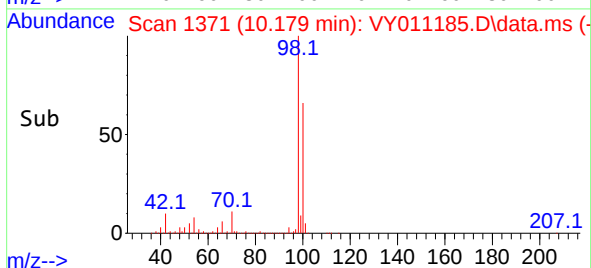
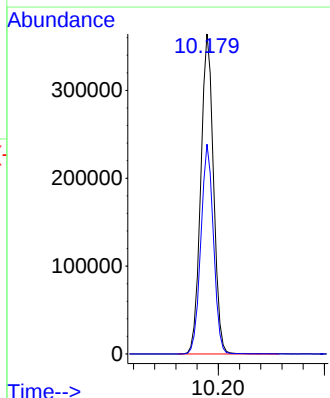
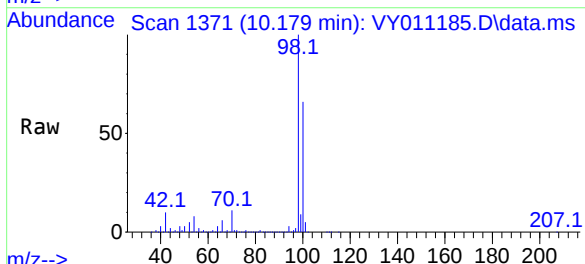
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5

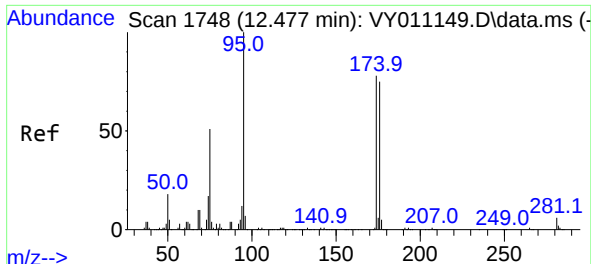
Tgt Ion:117 Resp: 22208
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 58.000 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Tgt Ion: 98 Resp: 606203
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

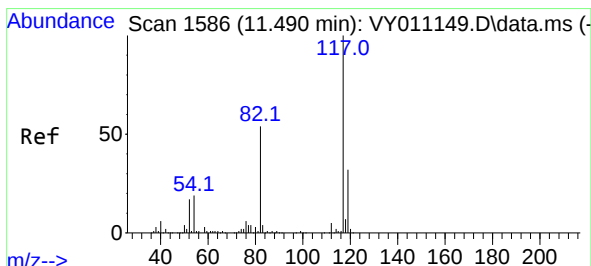
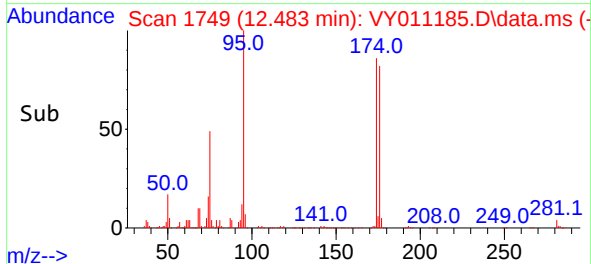
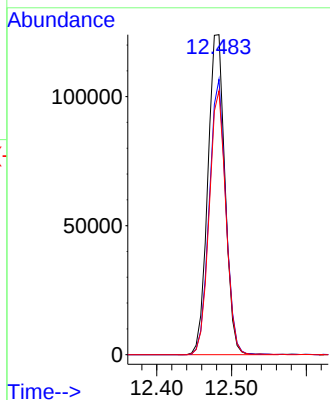
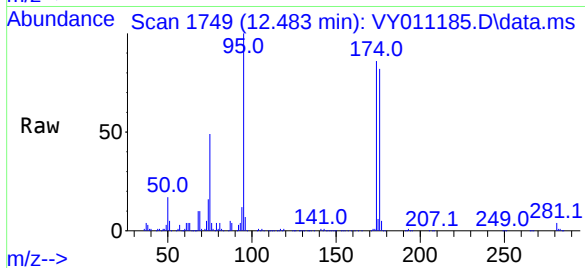




#62
4-Bromofluorobenzene
Concen: 57.990 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

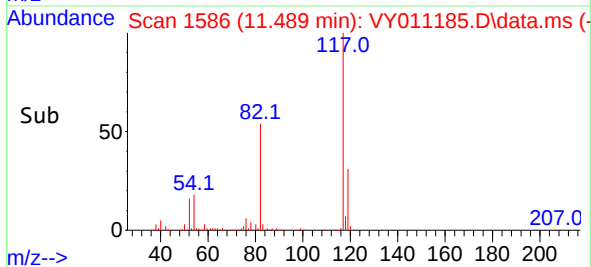
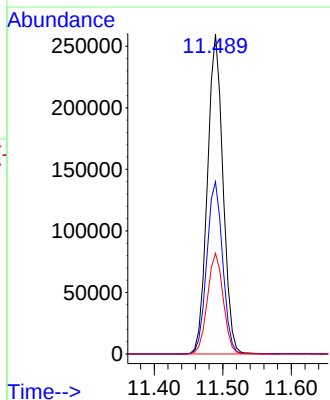
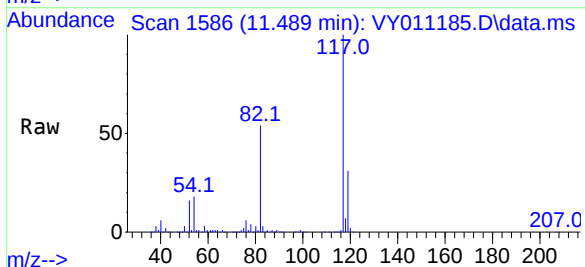
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5

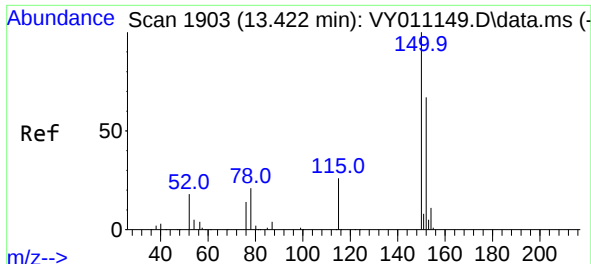
Tgt Ion: 95 Resp: 198322
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 79.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Tgt Ion:117 Resp: 410287
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 31.5 25.4 38.0

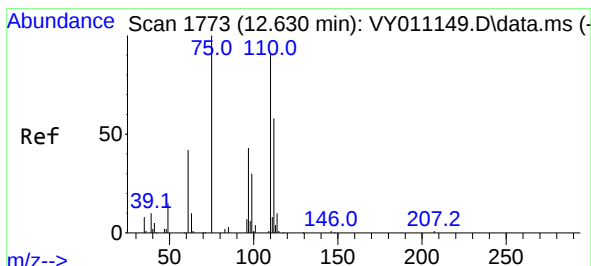
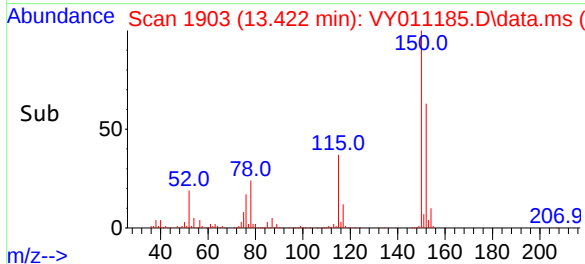
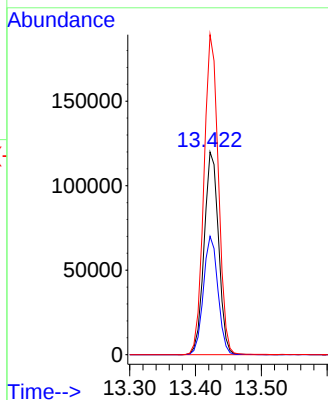
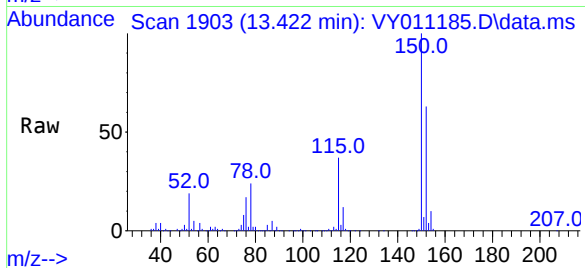




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

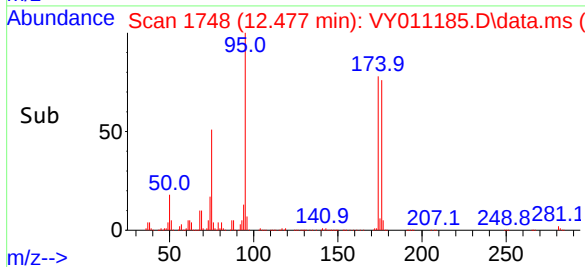
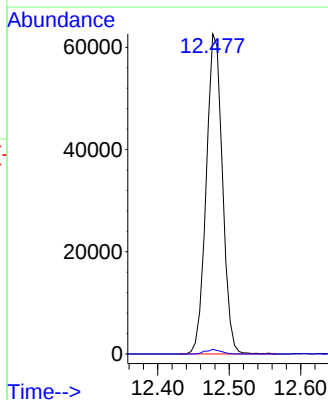
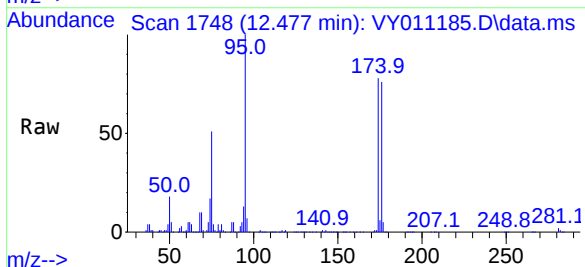
Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5

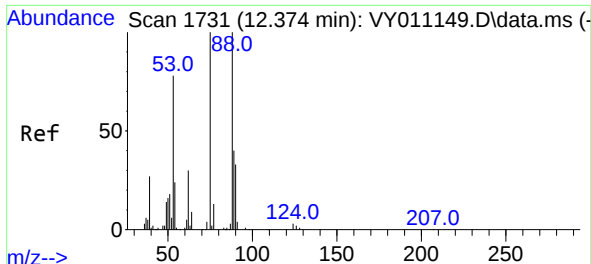
Tgt Ion:152 Resp: 183357
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 158.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 51.679 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Tgt Ion: 75 Resp: 98517
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

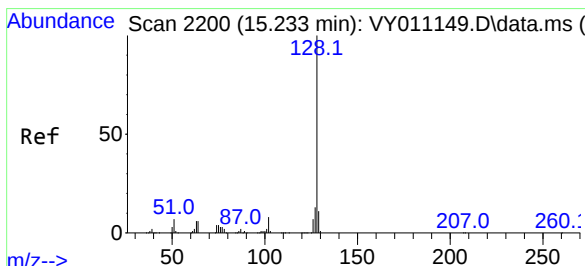
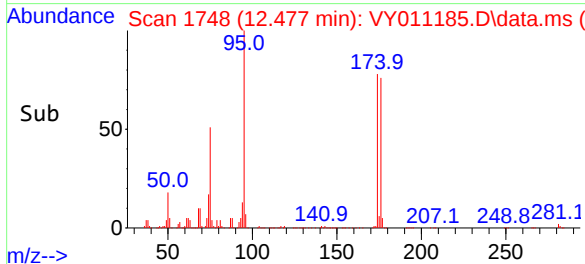
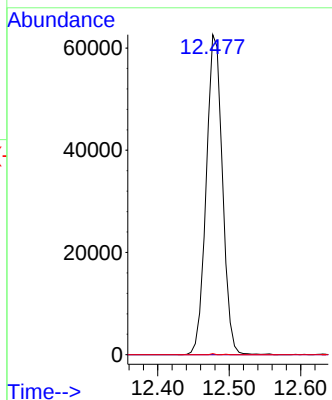
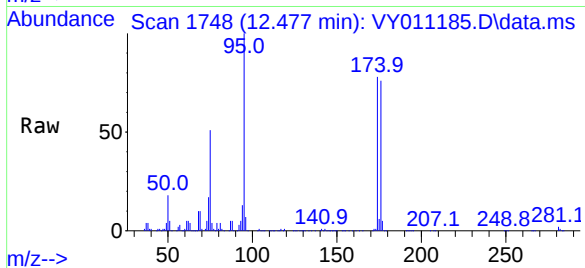




#81
trans-1,4-Dichloro-2-butene
Concen: 109.750 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Instrument :
MSVOA_Y
ClientSampleId :
BIN 1-2-(2840)-VOC-5

Tgt Ion: 75 Resp: 98517
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.365 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.007 min
Lab File: VY011185.D
Acq: 29 Oct 2022 03:30

Tgt Ion: 128 Resp: 74
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

