

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011177.D
 Acq On : 29 Oct 2022 00:29
 Operator : KP/MD
 Sample : N5339-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-07-102722

Quant Time: Oct 29 00:47:46 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)

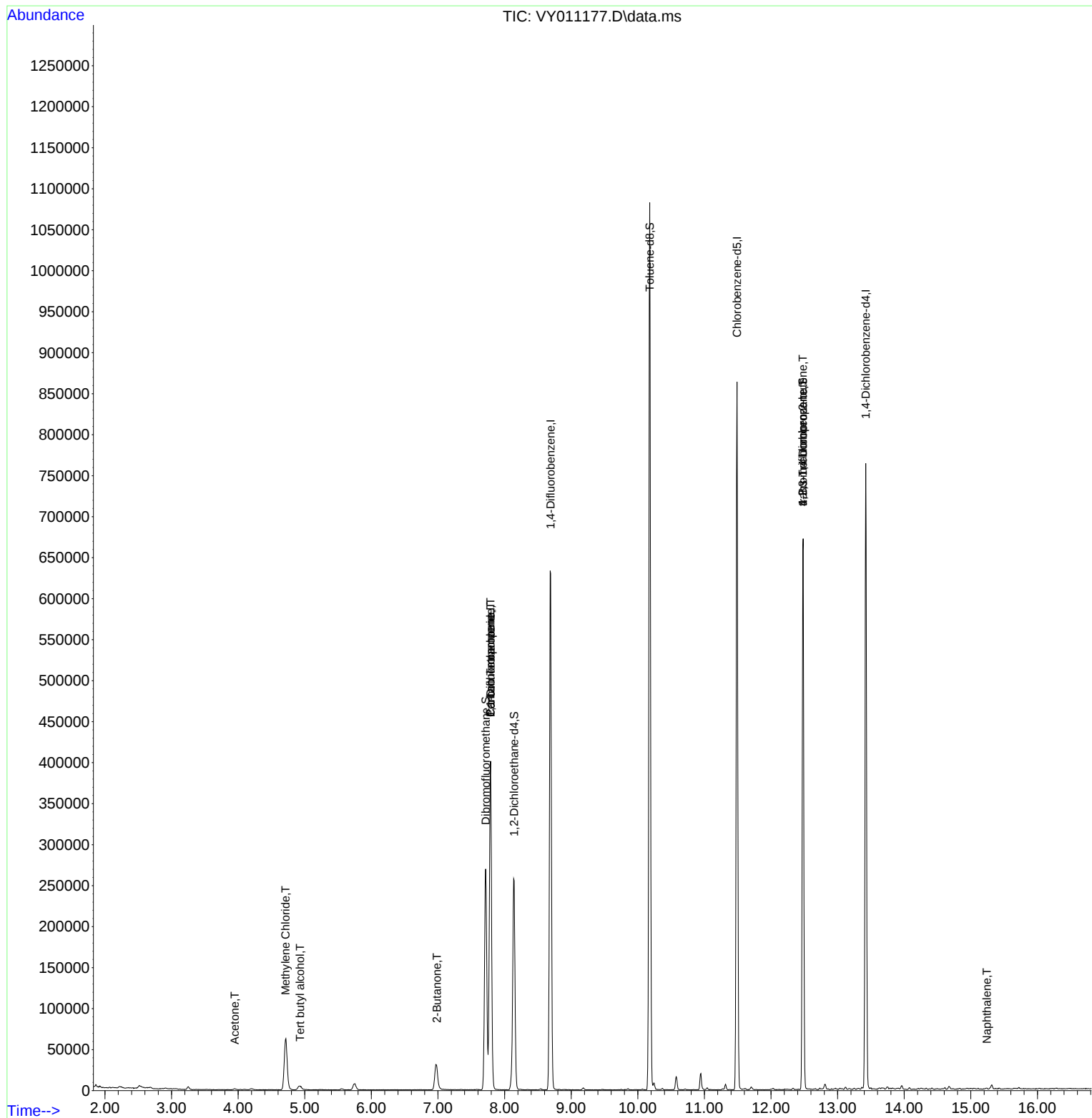
Internal Standards						
1) Pentafluorobenzene	7.789	168	315732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	560090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	473970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	201174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	193676	59.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.640%	
35) Dibromofluoromethane	7.716	113	195858	56.864	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.720%	
50) Toluene-d8	10.179	98	716692	52.523	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.040%	
62) 4-Bromofluorobenzene	12.477	95	211999	47.482	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.960%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	447	Below Cal		87
3) Chloromethane	2.113	50	362	Below Cal		89
4) Vinyl Chloride	2.418	62	23	Below Cal	#	43
5) Bromomethane	2.650	94	414	Below Cal	#	64
6) Chloroethane	2.540	64	20	Below Cal	#	43
11) Tert butyl alcohol	4.930	59	5224	12.472	ug/l #	77
16) Acetone	3.948	43	2168	2.714	ug/l	95
17) Carbon Disulfide	4.186	76	530	Below Cal	#	75
18) Methyl Acetate	4.485	43	644	Below Cal	#	56
20) Methylene Chloride	4.710	84	48973	9.364	ug/l #	84
25) 2-Butanone	6.984	43	2331	2.036	ug/l #	73
31) Cyclohexane	7.783	56	6309	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	24244	5.399	ug/l #	51
38) Carbon Tetrachloride	7.789	117	31281	6.396	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	104853	50.132	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	104853	106.463	ug/l #	7
95) Naphthalene	15.239	128	1413	4.533	ug/l #	94

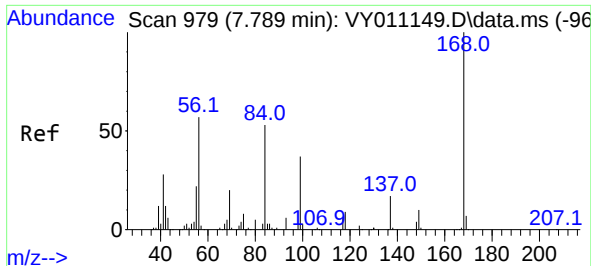
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
Data File : VY011177.D
Acq On : 29 Oct 2022 00:29
Operator : KP/MD
Sample : N5339-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722

Quant Time: Oct 29 00:47:46 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

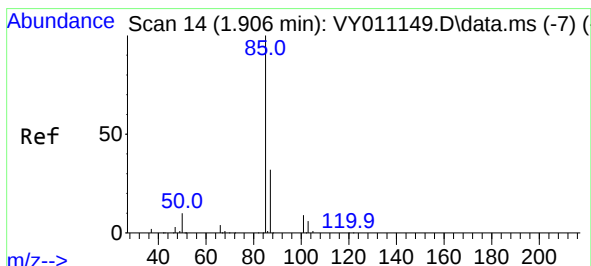
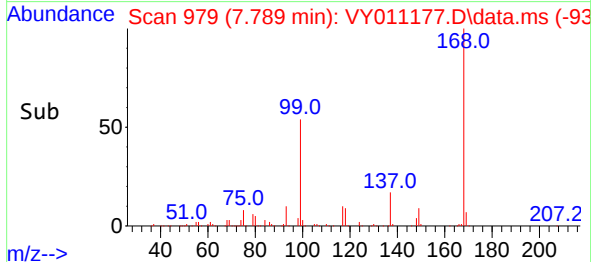
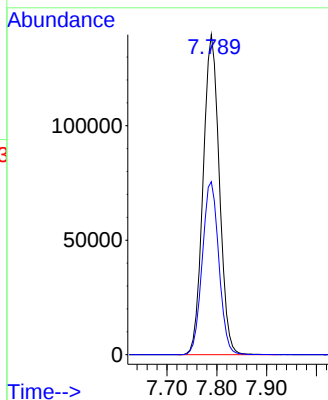
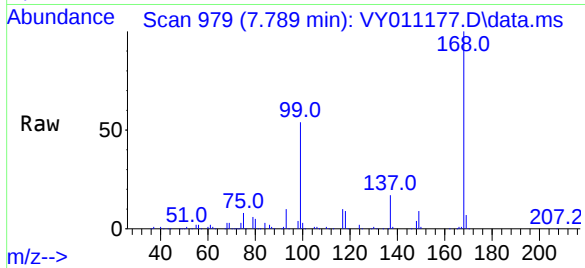




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

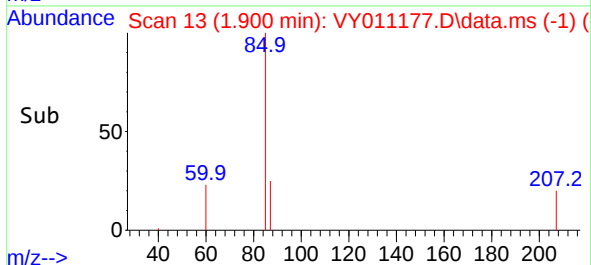
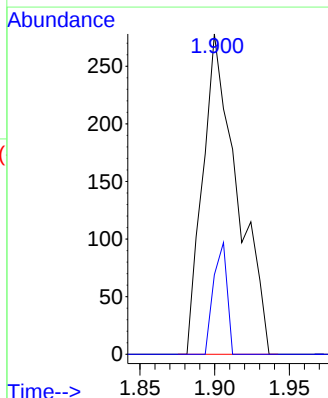
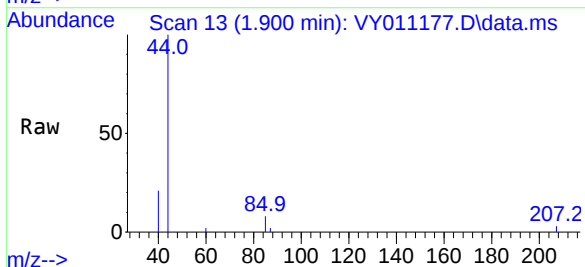
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722

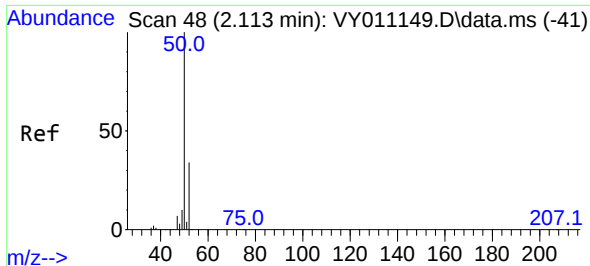
Tgt Ion:168 Resp: 315732
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

Tgt Ion: 85 Resp: 447
Ion Ratio Lower Upper
85 100
87 24.8 16.1 48.2

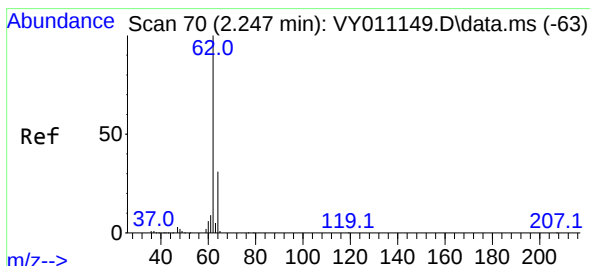
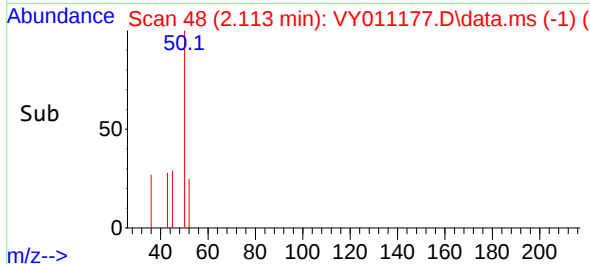
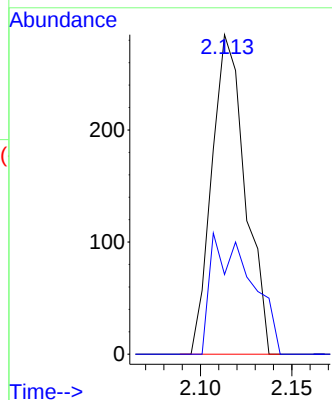
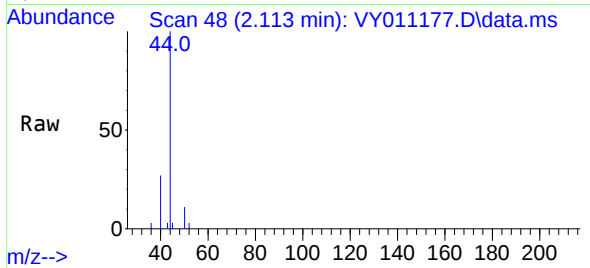




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

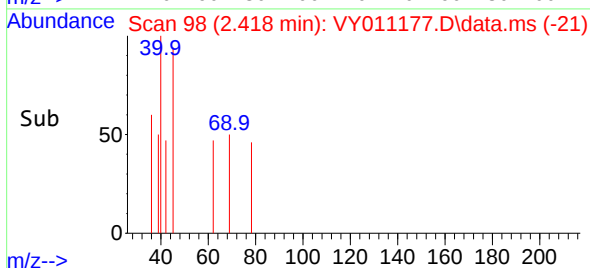
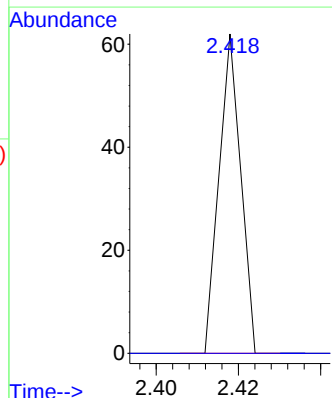
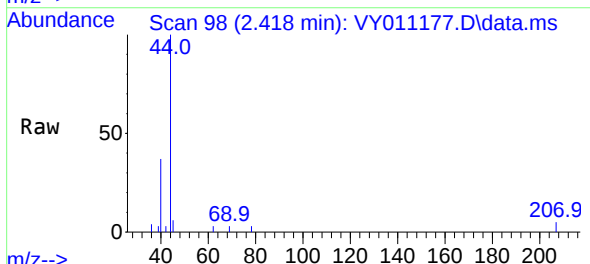
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722

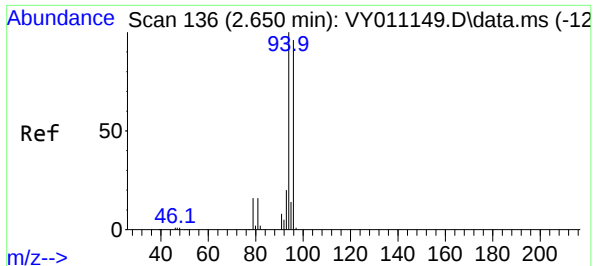
Tgt Ion: 50 Resp: 362
Ion Ratio Lower Upper
50 100
52 24.9 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.418 min Scan# 98
Delta R.T. 0.171 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

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

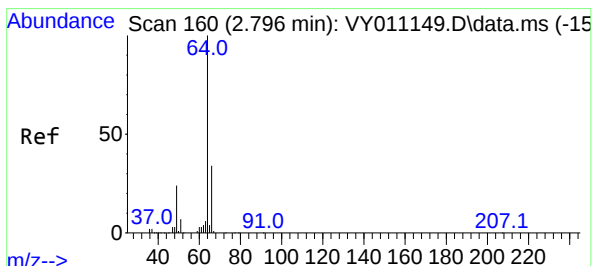
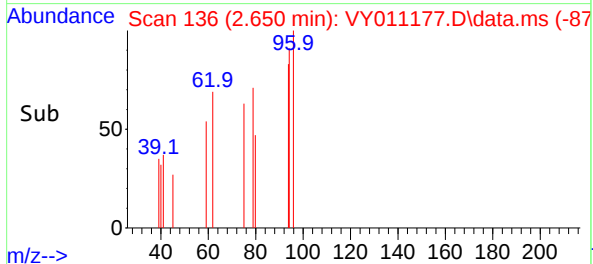
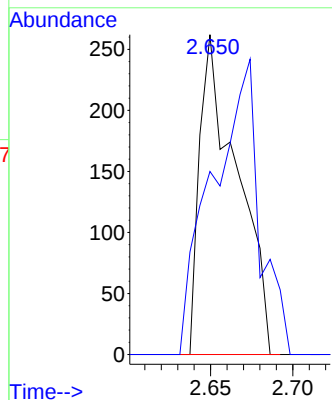
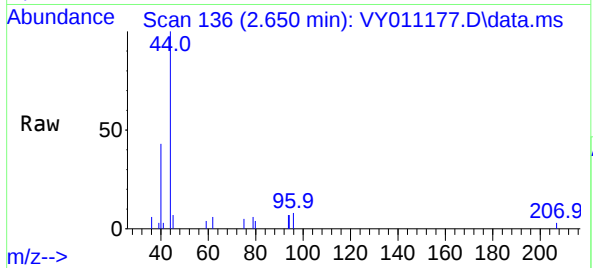




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 118
Delta R.T. -0.000 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

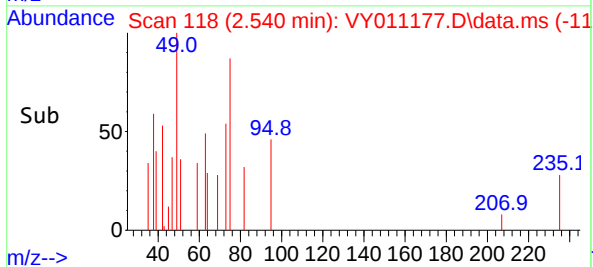
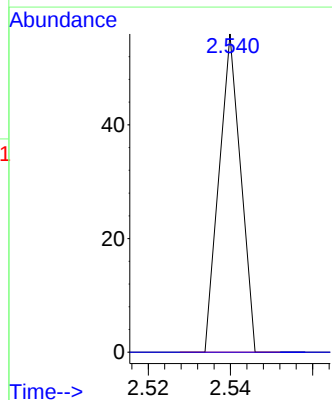
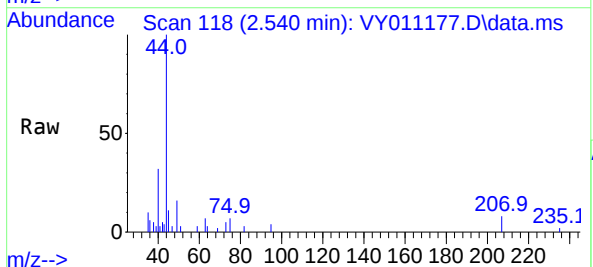
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722

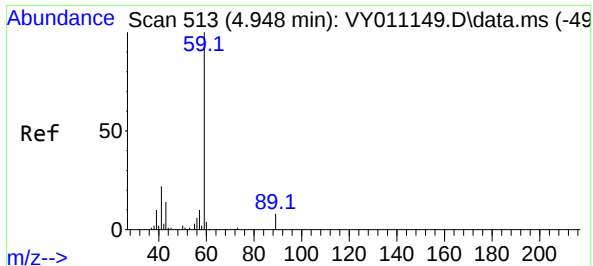
Tgt Ion: 94 Resp: 414
Ion Ratio Lower Upper
94 100
96 57.3 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.540 min Scan# 118
Delta R.T. -0.256 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#11

Tert butyl alcohol

Concen: 12.472 ug/l

RT: 4.930 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY011177.D

Acq: 29 Oct 2022 00:29

Instrument :

MSVOA_Y

ClientSampleId :

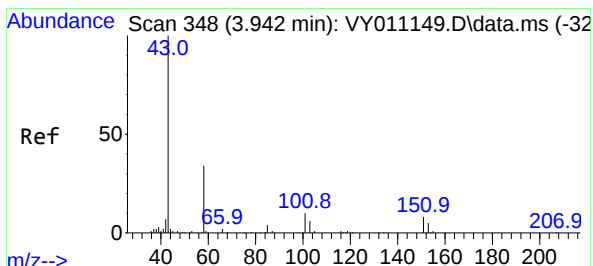
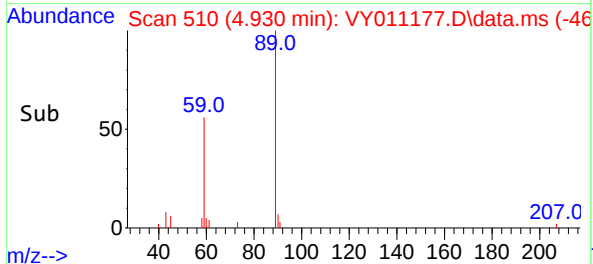
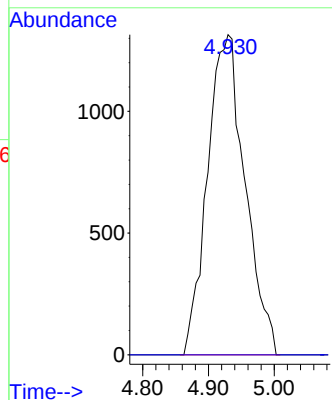
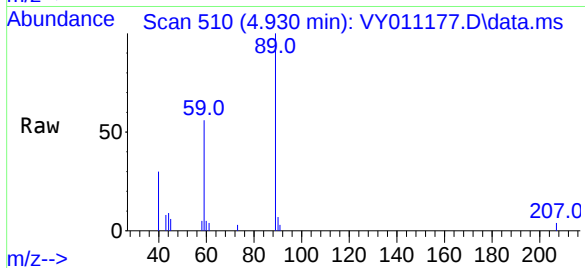
NB-07-102722

Tgt Ion: 59 Resp: 5224

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.714 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY011177.D

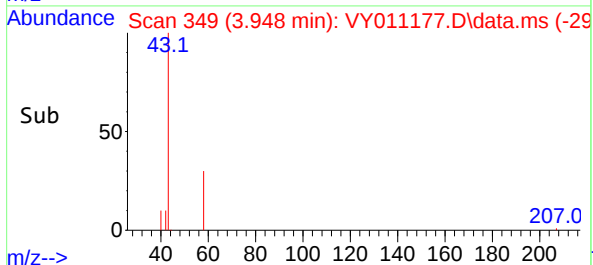
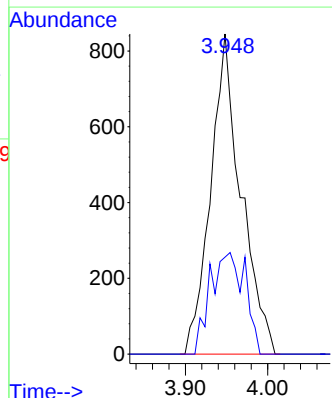
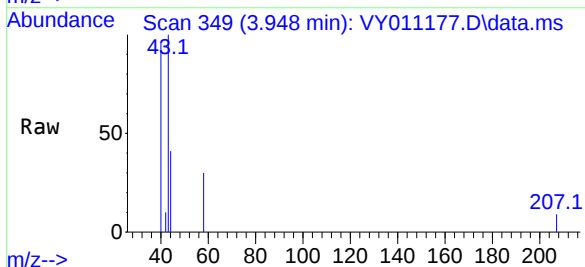
Acq: 29 Oct 2022 00:29

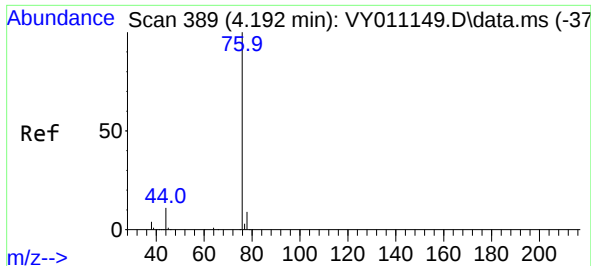
Tgt Ion: 43 Resp: 2168

Ion Ratio Lower Upper

43 100

58 30.3 22.0 33.0

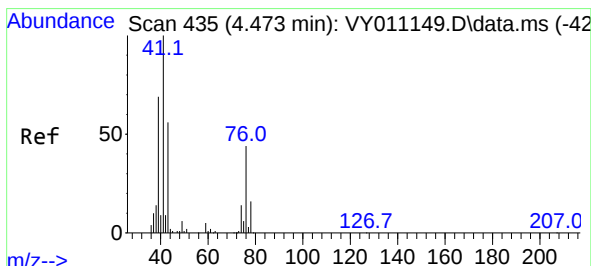
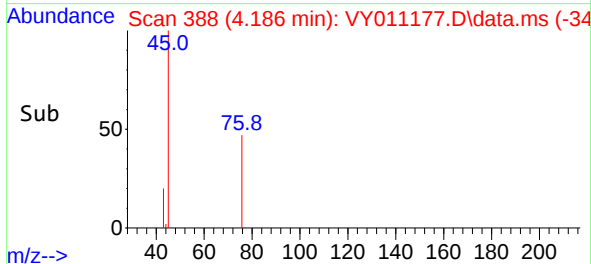
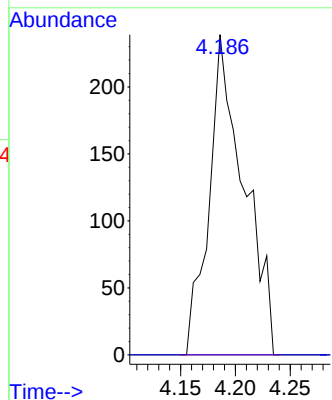
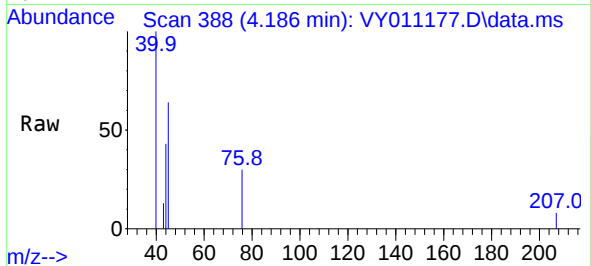




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

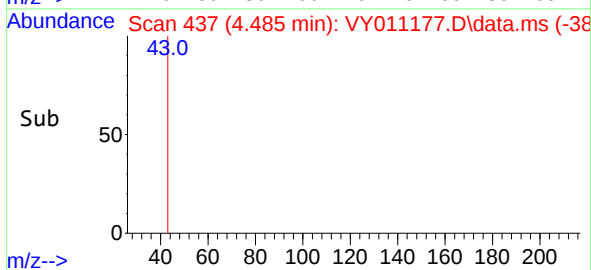
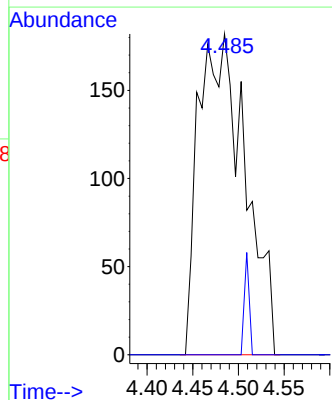
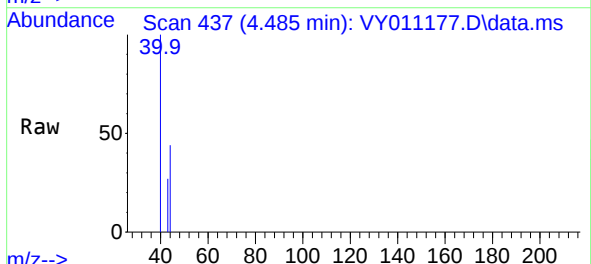
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722

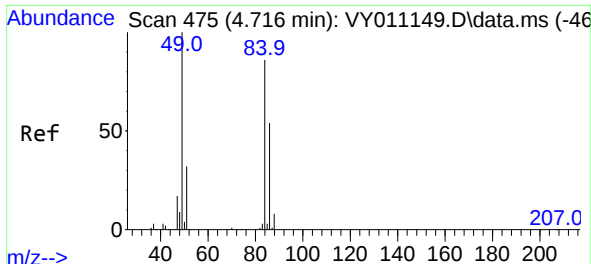
Tgt Ion: 76 Resp: 530
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

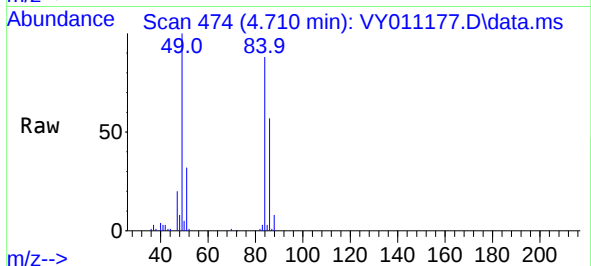
Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



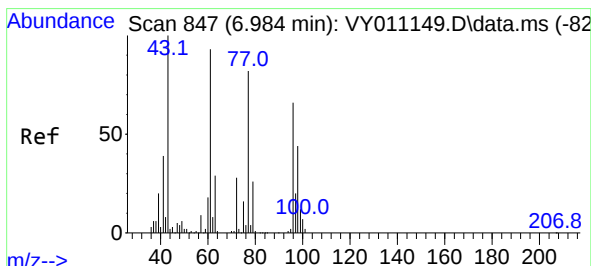
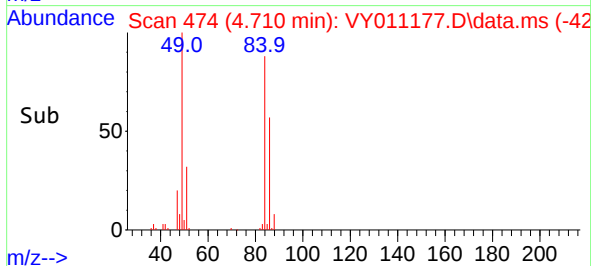
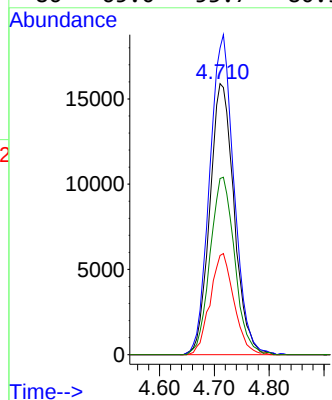


#20
Methylene Chloride
Concen: 9.364 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722

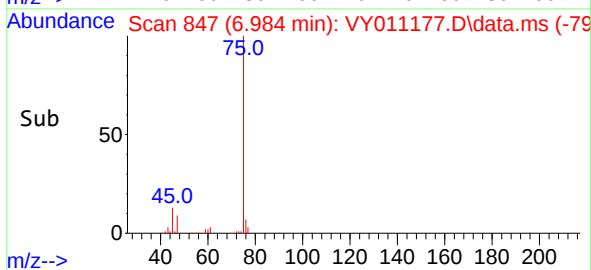
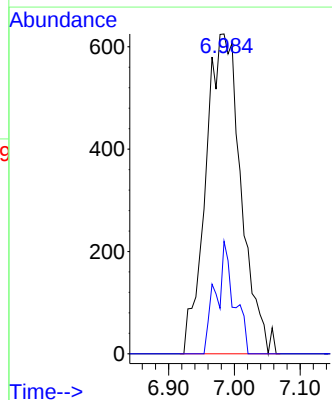
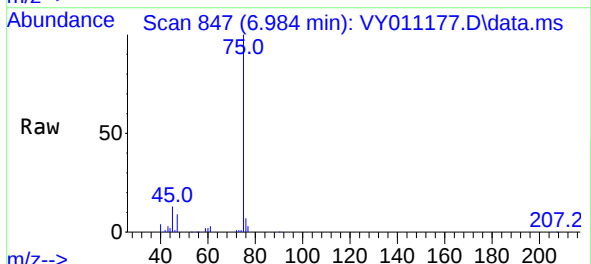


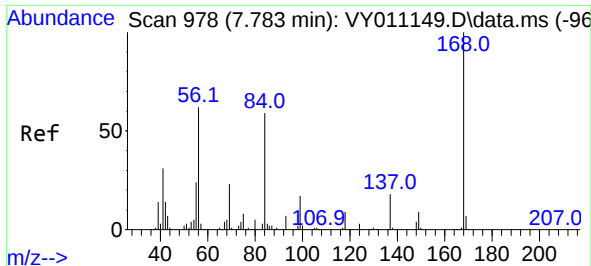
Tgt Ion: 84 Resp: 48973
Ion Ratio Lower Upper
84 100
49 113.0 114.4 171.6#
51 36.6 35.3 52.9
86 65.0 53.7 80.5



#25
2-Butanone
Concen: 2.036 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

Tgt Ion: 43 Resp: 2331
Ion Ratio Lower Upper
43 100
72 35.2 17.7 26.5#

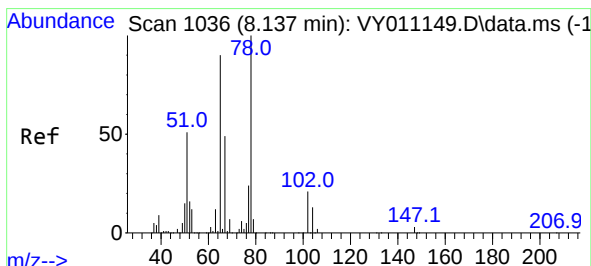
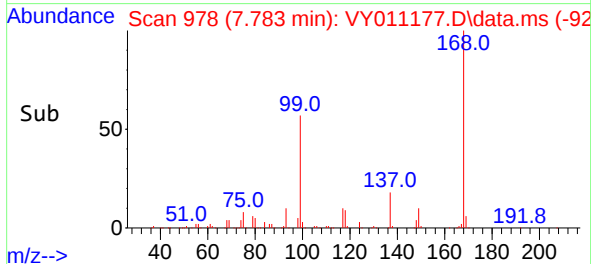
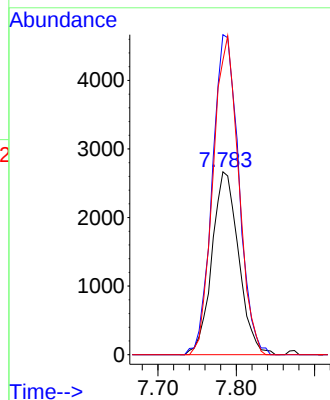
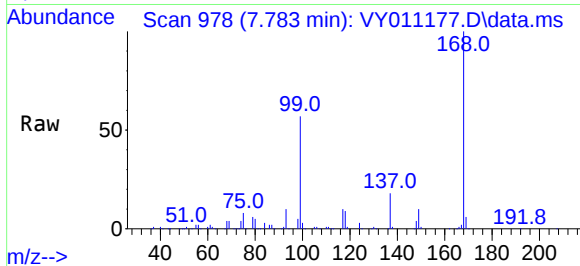




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

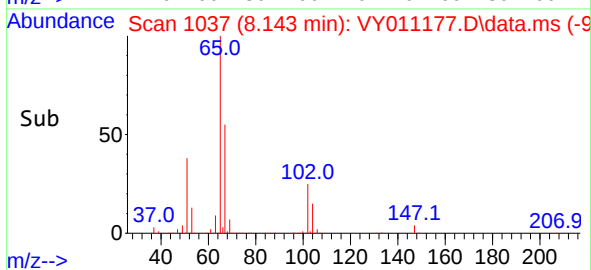
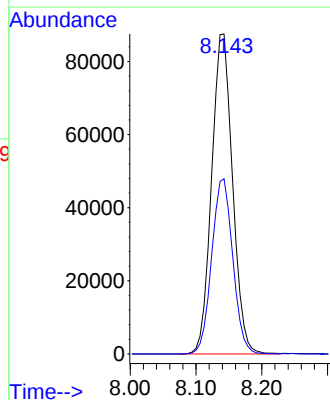
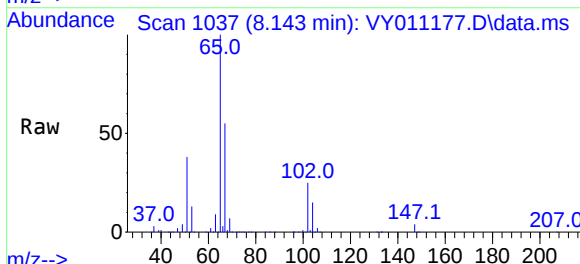
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722

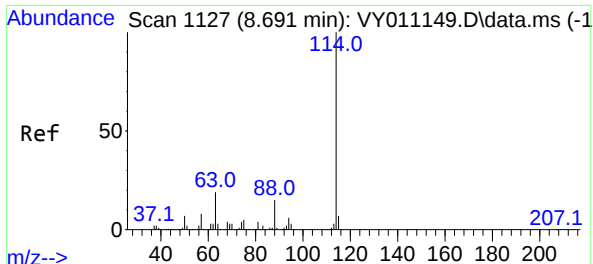
Tgt Ion: 56 Resp: 6309
Ion Ratio Lower Upper
56 100
69 175.0 26.7 40.1#
84 161.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 59.324 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

Tgt Ion: 65 Resp: 193676
Ion Ratio Lower Upper
65 100
67 55.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011177.D

Acq: 29 Oct 2022 00:29

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-102722

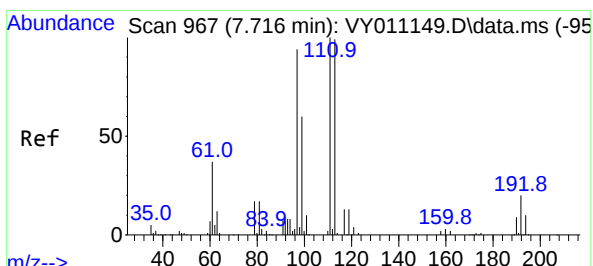
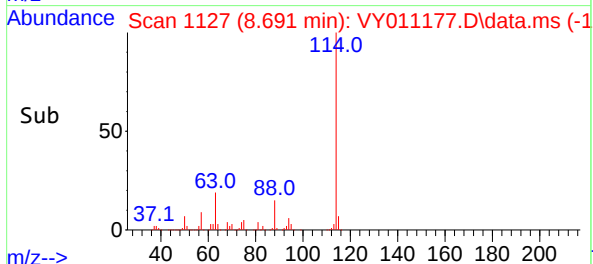
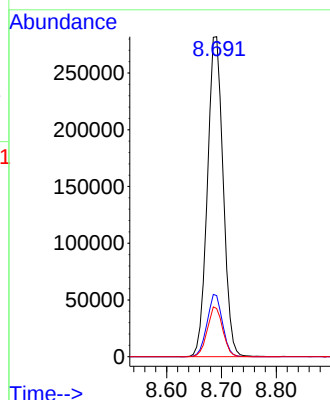
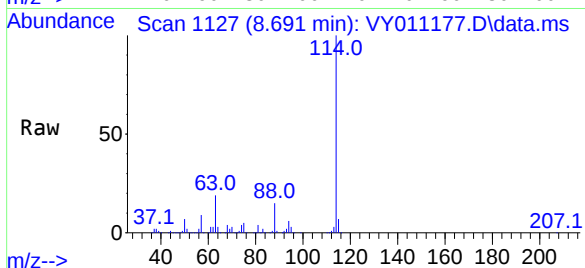
Tgt Ion:114 Resp: 560090

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.864 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011177.D

Acq: 29 Oct 2022 00:29

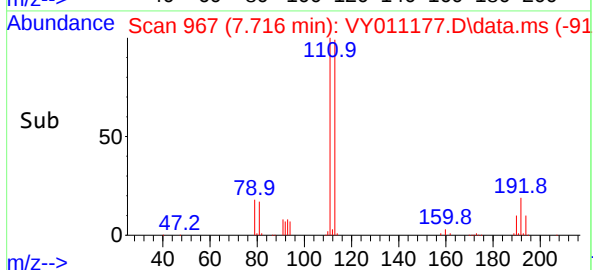
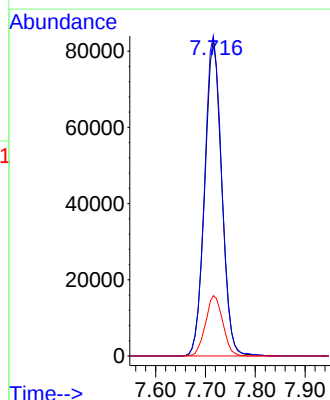
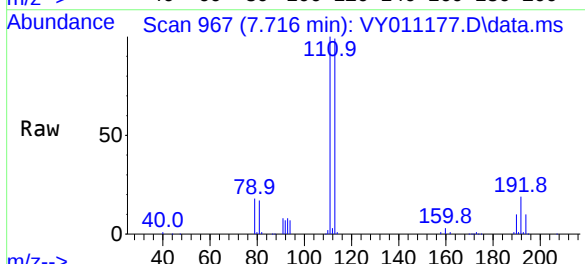
Tgt Ion:113 Resp: 195858

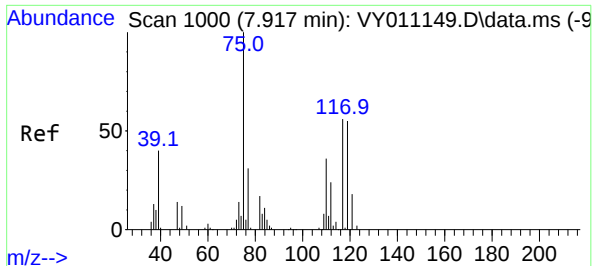
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 19.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.399 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011177.D

Acq: 29 Oct 2022 00:29

Instrument :

MSVOA_Y

ClientSampleId :

NB-07-102722

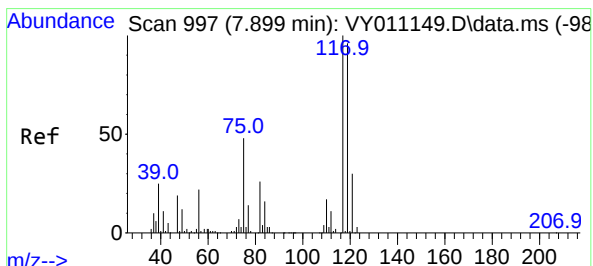
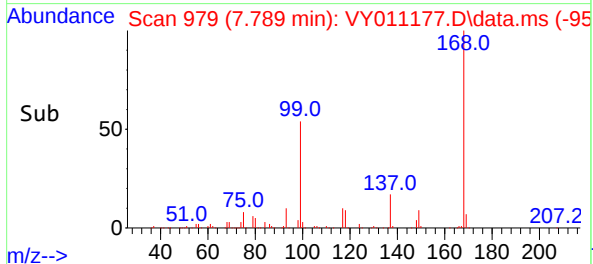
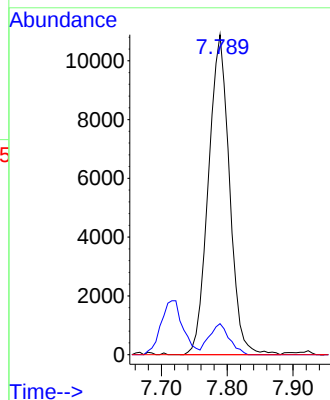
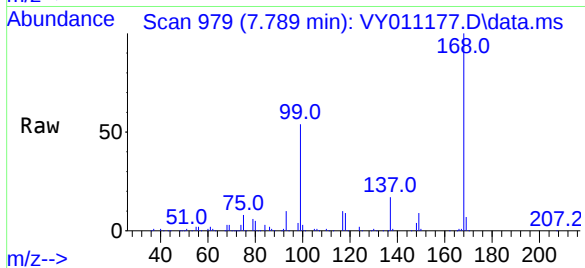
Tgt Ion: 75 Resp: 24244

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.396 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011177.D

Acq: 29 Oct 2022 00:29

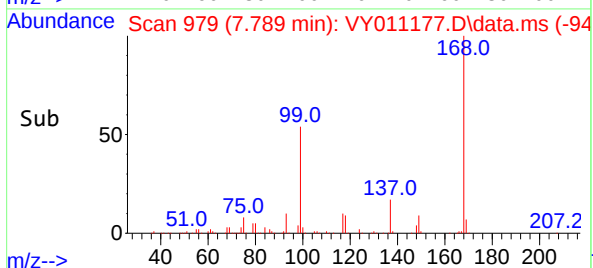
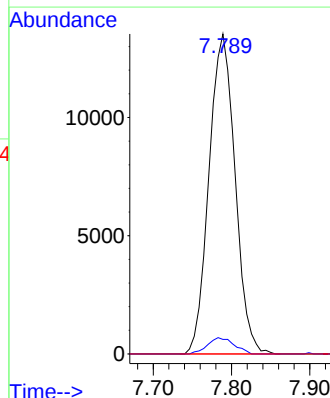
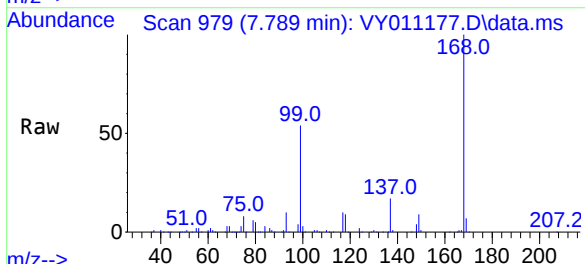
Tgt Ion: 117 Resp: 31281

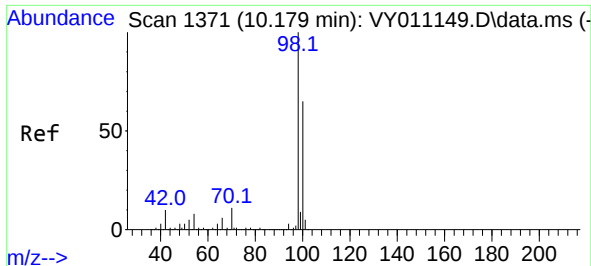
Ion Ratio Lower Upper

117 100

119 4.6 77.9 116.9#

121 0.0 24.8 37.2#

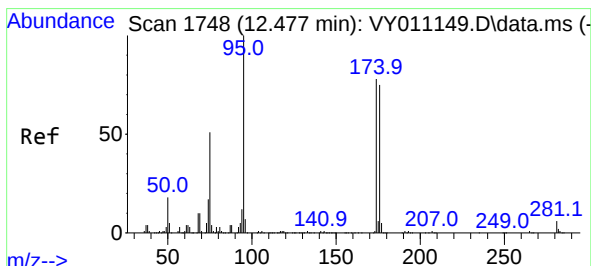
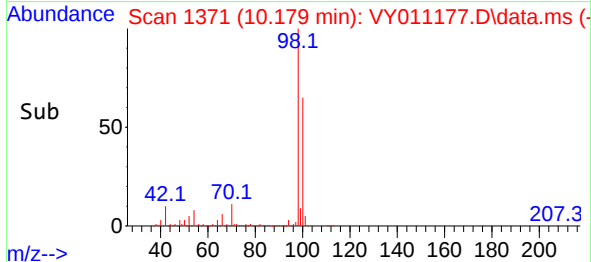
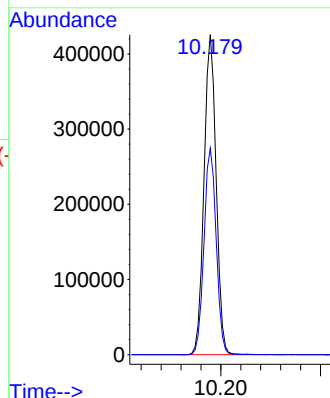
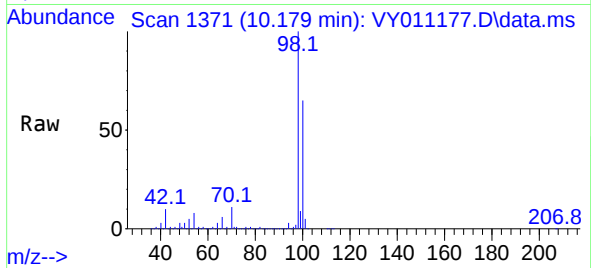




#50
Toluene-d8
Concen: 52.523 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

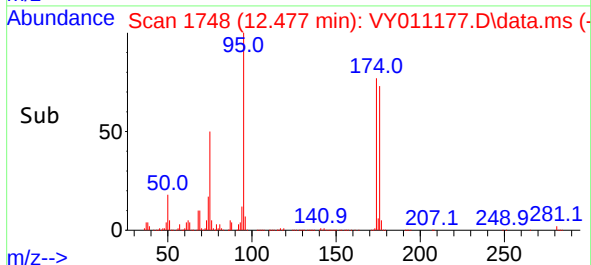
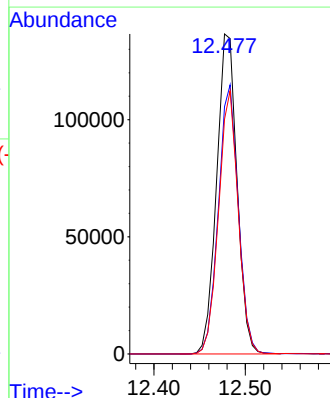
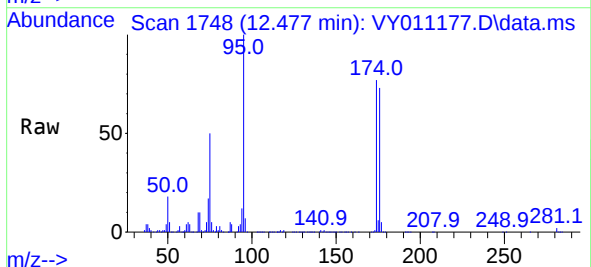
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722

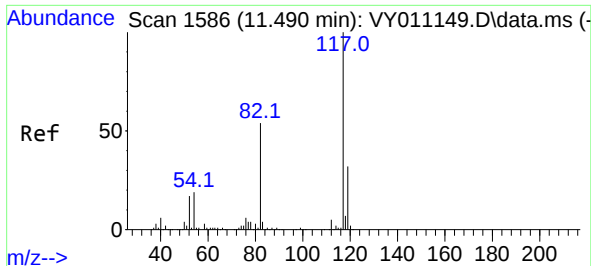
Tgt Ion: 98 Resp: 716692
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.482 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

Tgt Ion: 95 Resp: 211999
Ion Ratio Lower Upper
95 100
174 82.4 0.0 177.0
176 79.3 0.0 175.8

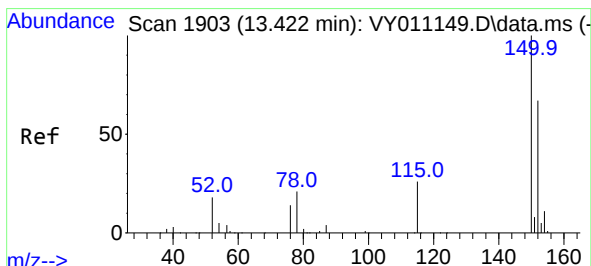
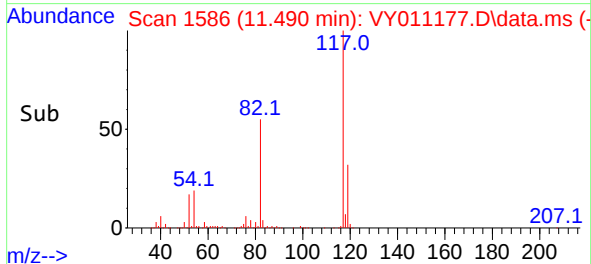
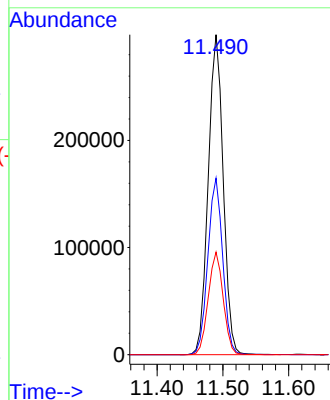
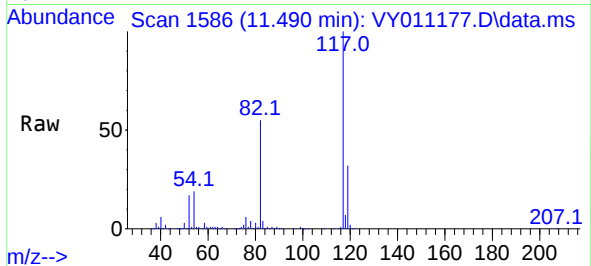




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

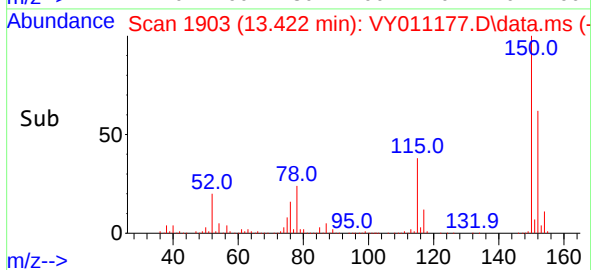
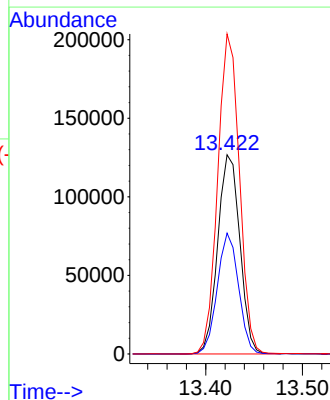
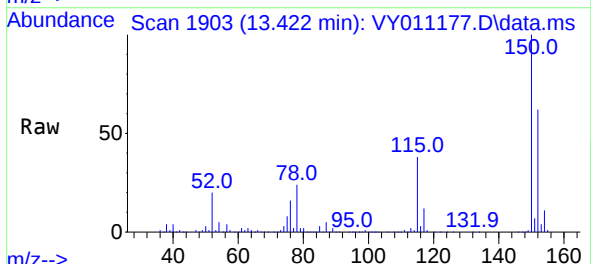
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722

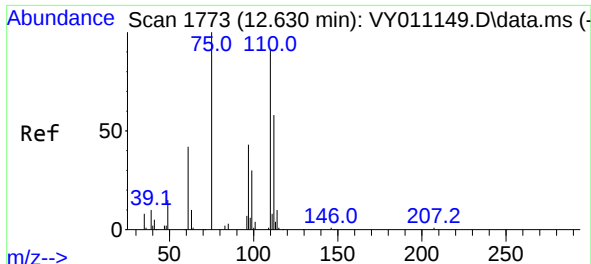
Tgt Ion:117 Resp: 473970
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

Tgt Ion:152 Resp: 201174
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 157.7 0.0 347.6

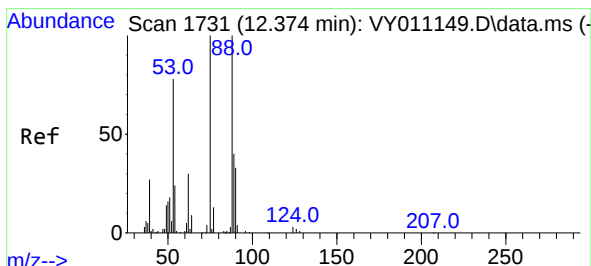
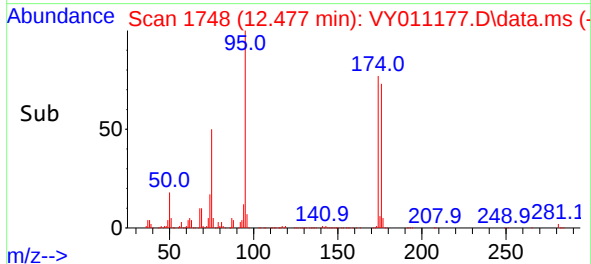
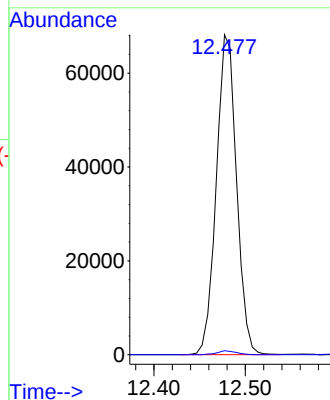
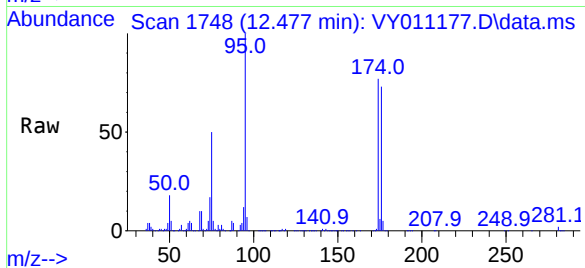




#76
1,2,3-Trichloropropane
Concen: 50.132 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

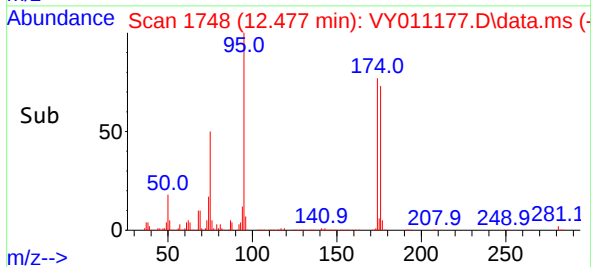
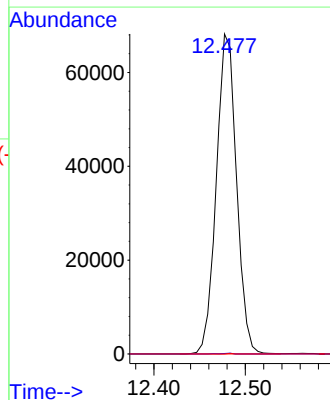
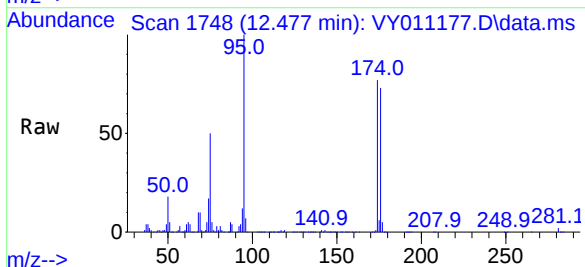
Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722

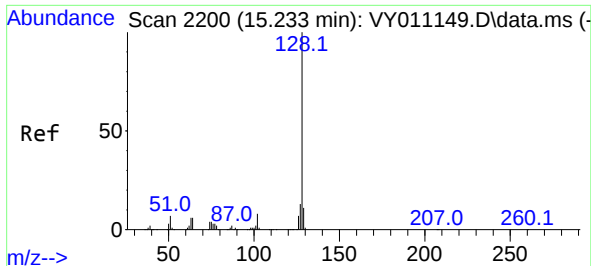
Tgt Ion: 75 Resp: 104853
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.463 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

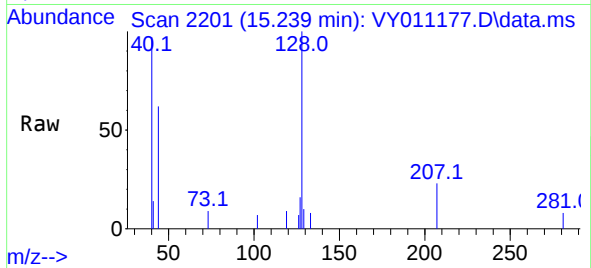
Tgt Ion: 75 Resp: 104853
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 4.533 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011177.D
Acq: 29 Oct 2022 00:29

Instrument :
MSVOA_Y
ClientSampleId :
NB-07-102722



Tgt Ion:128 Resp: 1413
Ion Ratio Lower Upper
128 100
127 9.8 11.0 16.4#
129 10.8 8.4 12.6

