

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011160.D
 Acq On : 28 Oct 2022 16:33
 Operator : KP/MD
 Sample : N5308-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-2-102622

Quant Time: Oct 28 23:46:11 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)

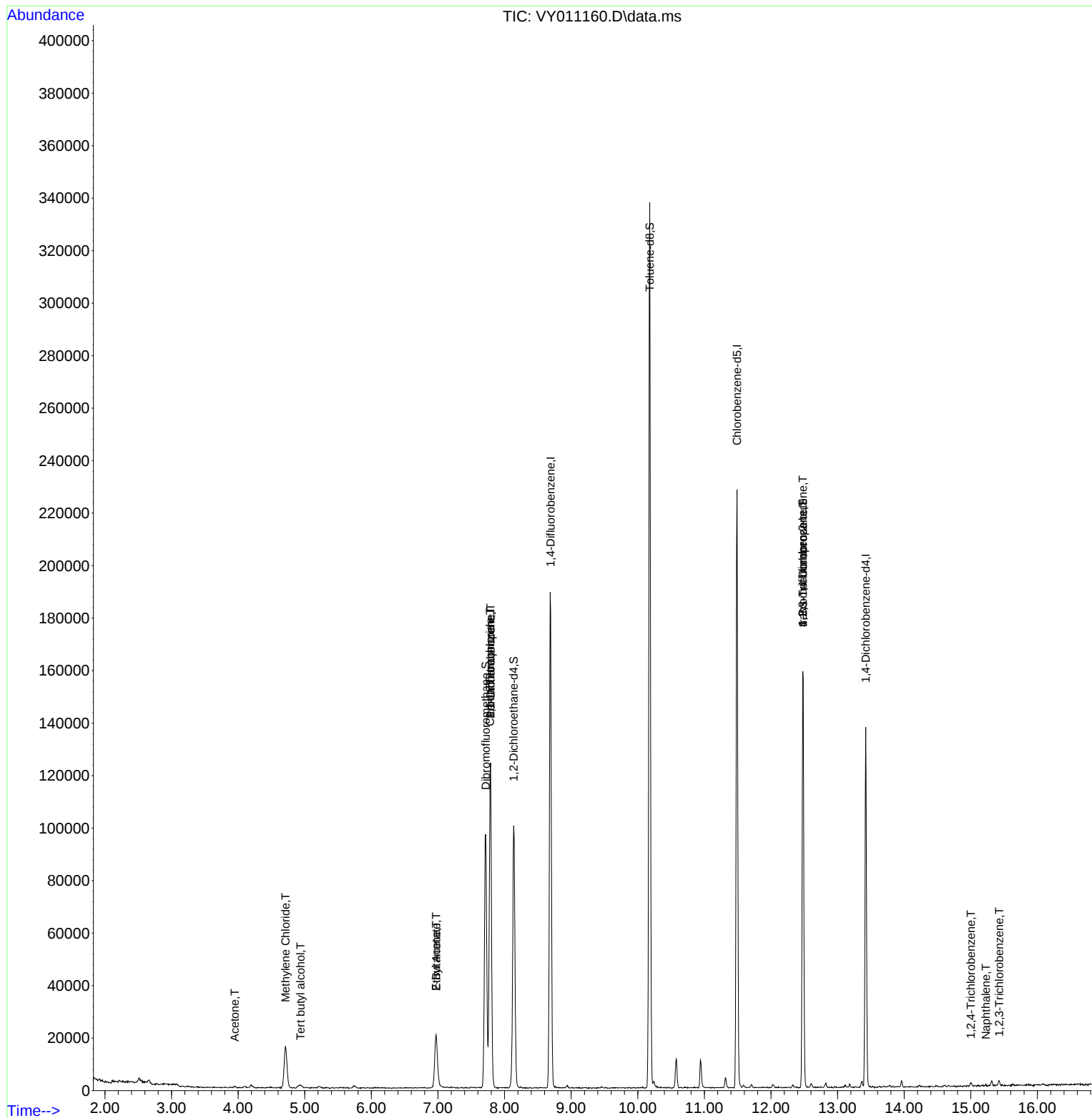
Internal Standards						
1) Pentafluorobenzene	7.789	168	97072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	165348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	128950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	35312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	75279	74.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.000%	
35) Dibromofluoromethane	7.716	113	71529	70.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 140.700%	
50) Toluene-d8	10.179	98	222977	55.352	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.700%	
62) 4-Bromofluorobenzene	12.477	95	49952	37.897	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 75.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	120	Below Cal	#	43
3) Chloromethane	2.119	50	320	Below Cal	#	82
5) Bromomethane	2.662	94	591	Below Cal	#	75
11) Tert butyl alcohol	4.936	59	1577	12.167	ug/l #	77
16) Acetone	3.948	43	785	3.196	ug/l	90
17) Carbon Disulfide	4.198	76	72	Below Cal	#	75
18) Methyl Acetate	4.479	43	306	Below Cal	#	56
20) Methylene Chloride	4.710	84	12495	6.442	ug/l #	81
25) 2-Butanone	6.972	43	1228	3.488	ug/l #	83
31) Cyclohexane	7.789	56	2074	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	7542	5.689	ug/l #	50
37) Ethyl Acetate	6.972	43	1228	1.637	ug/l #	1
38) Carbon Tetrachloride	7.783	117	9725	6.735	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	24870	67.742	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	24870	143.862	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.001	180	576	1.016	ug/l	99
95) Naphthalene	15.227	128	391	4.636	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	729	1.478	ug/l	97

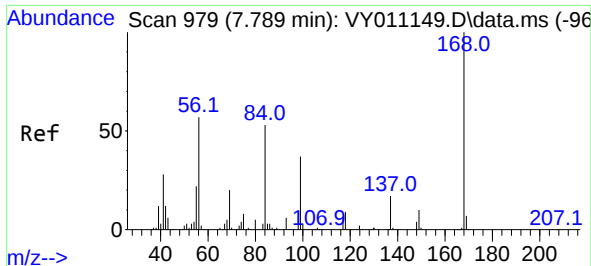
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
Data File : VY011160.D
Acq On : 28 Oct 2022 16:33
Operator : KP/MD
Sample : N5308-01
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

Quant Time: Oct 28 23:46:11 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

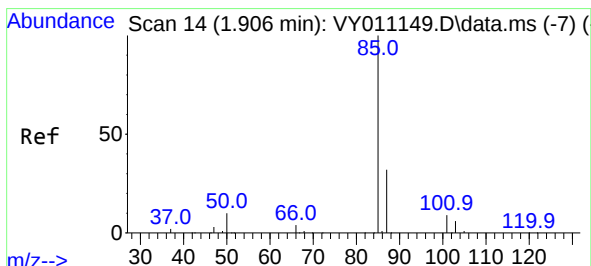
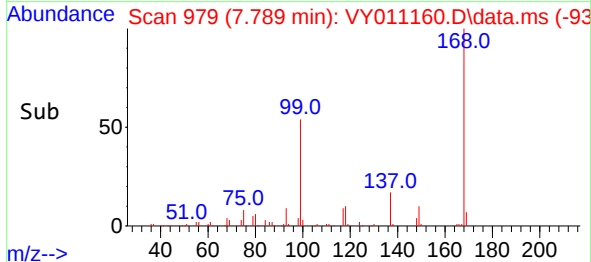
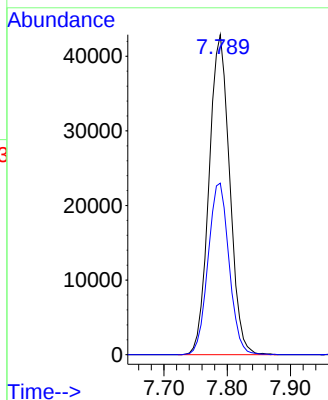
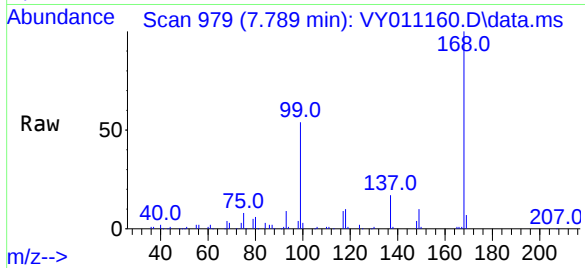




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

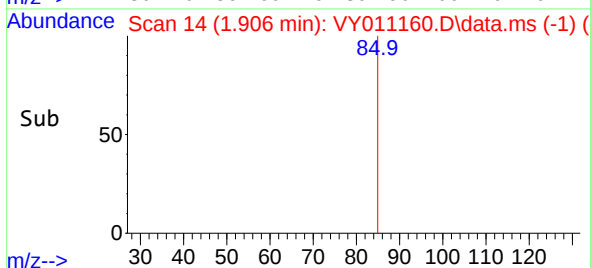
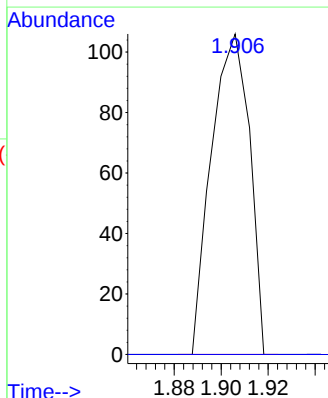
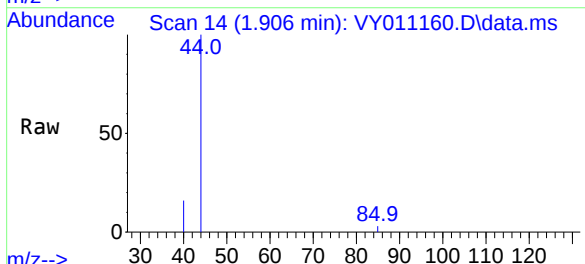
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

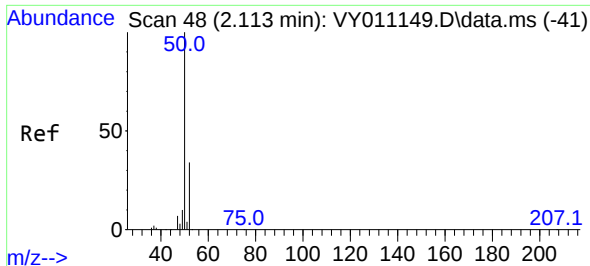
Tgt Ion:168 Resp: 97072
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion: 85 Resp: 120
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

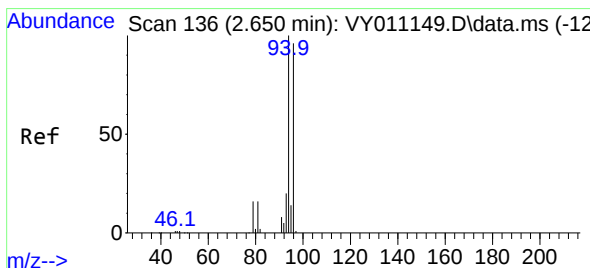
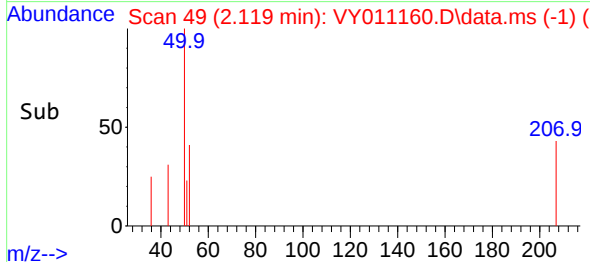
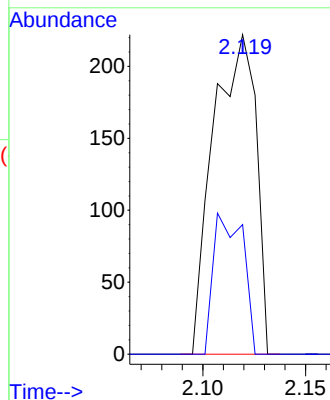
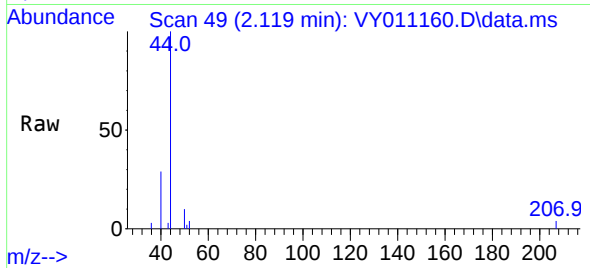




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

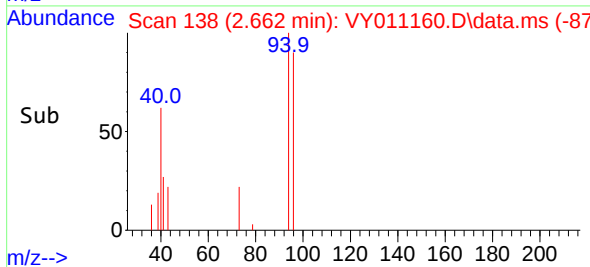
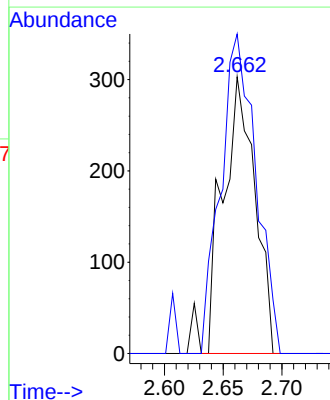
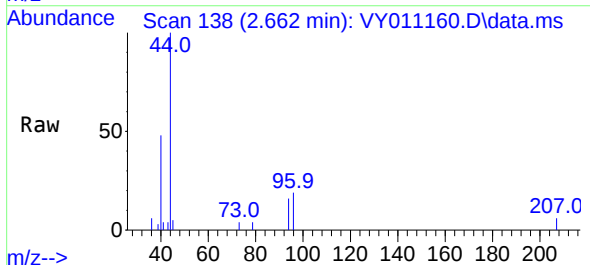
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

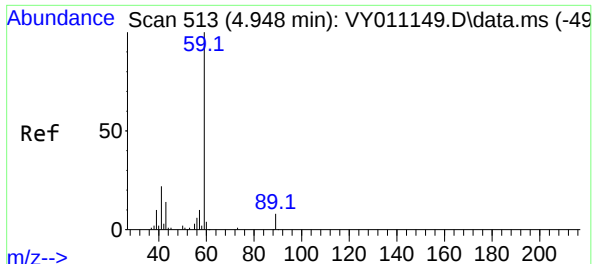
Tgt Ion: 50 Resp: 320
Ion Ratio Lower Upper
50 100
52 40.5 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion: 94 Resp: 591
Ion Ratio Lower Upper
94 100
96 115.5 73.5 110.3#

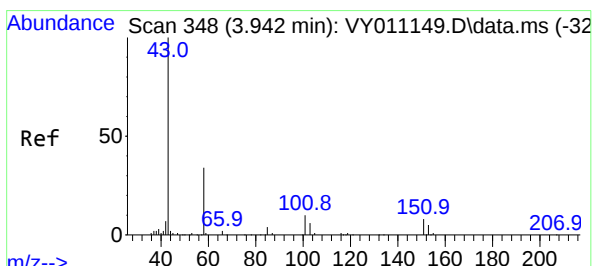
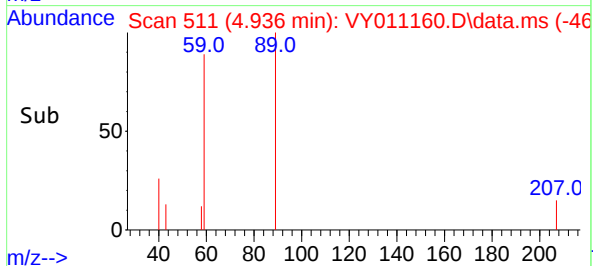
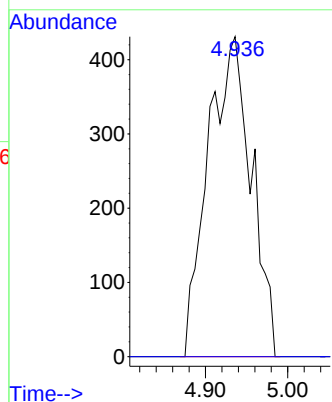
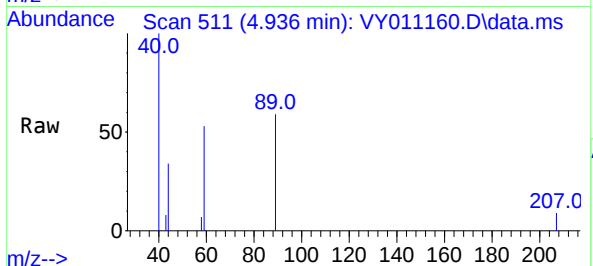




#11
Tert butyl alcohol
Concen: 12.167 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

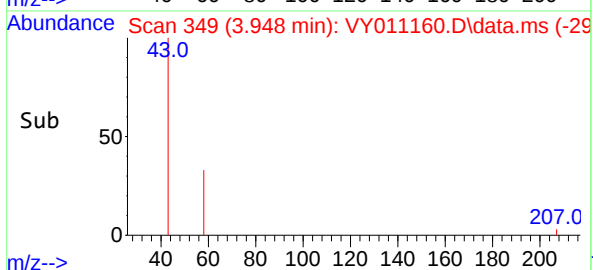
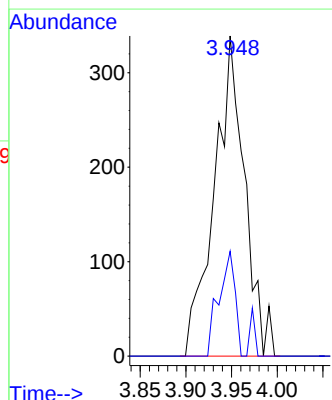
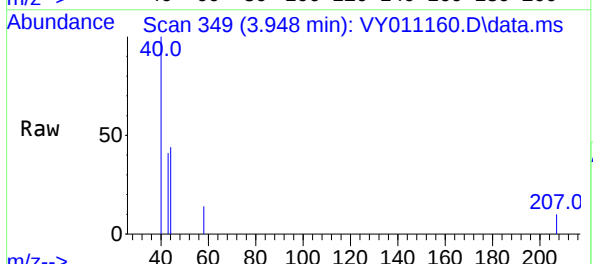
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

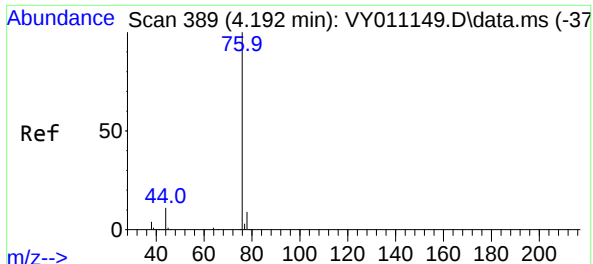
Tgt Ion: 59 Resp: 1577
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 3.196 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
58 32.7 22.0 33.0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY011160.D

Acq: 28 Oct 2022 16:33

Instrument :

MSVOA_Y

ClientSampleId :

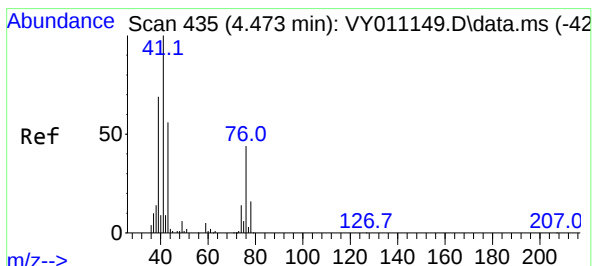
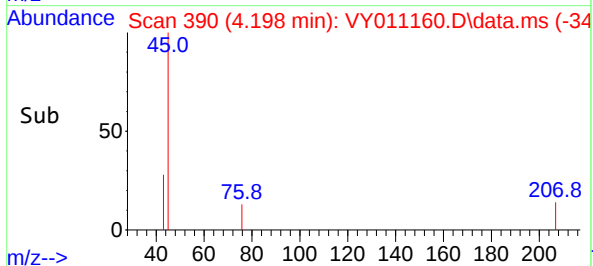
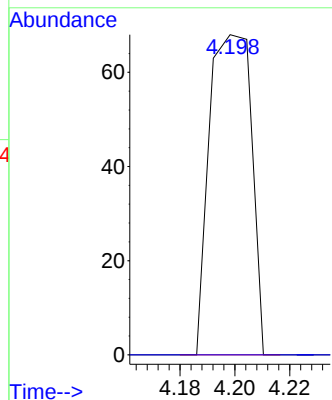
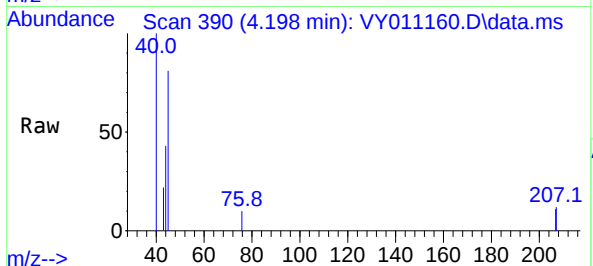
PL-2-102622

Tgt Ion: 76 Resp: 72

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 436

Delta R.T. 0.006 min

Lab File: VY011160.D

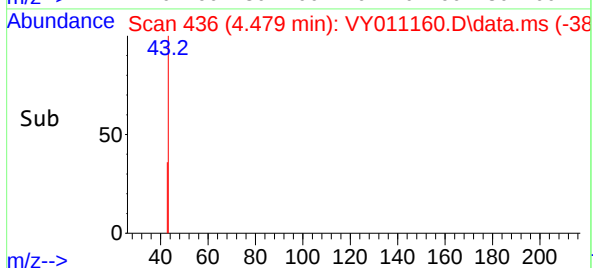
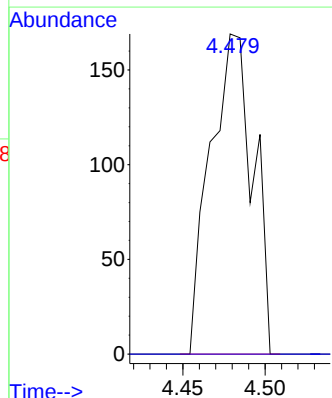
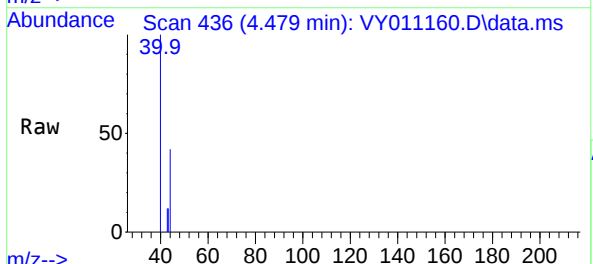
Acq: 28 Oct 2022 16:33

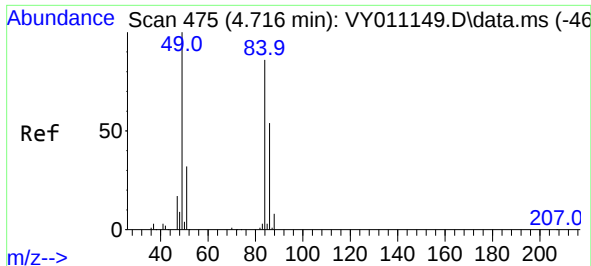
Tgt Ion: 43 Resp: 306

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



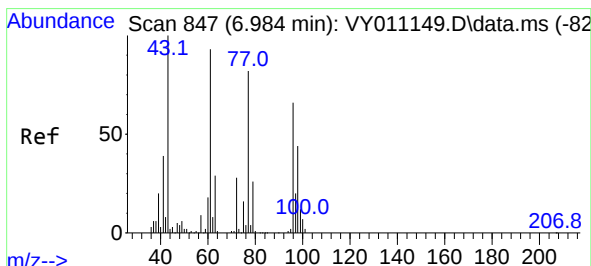
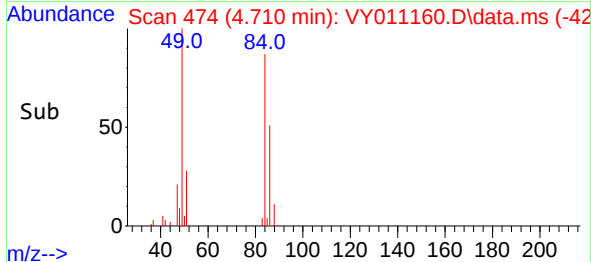
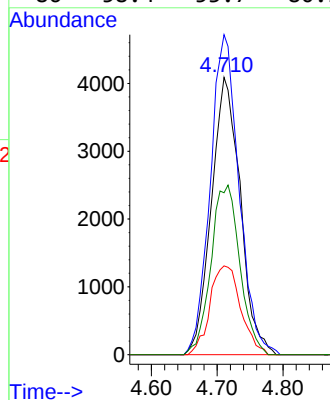
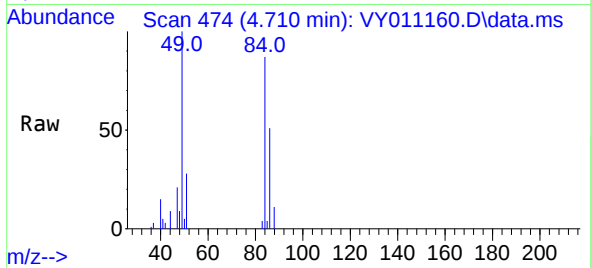


#20
Methylene Chloride
Concen: 6.442 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

Tgt Ion: 84 Resp: 12495

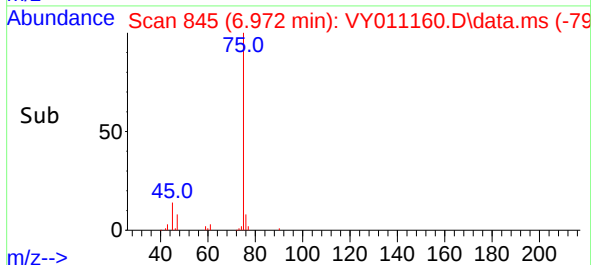
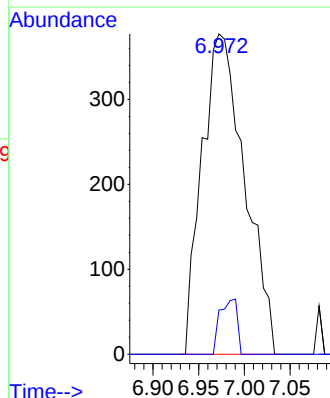
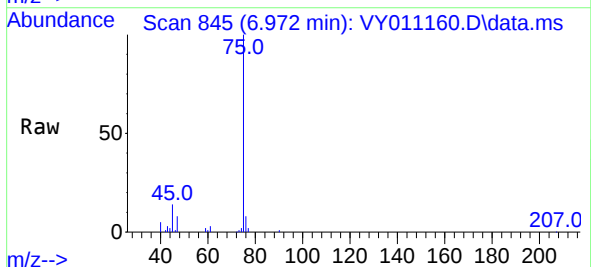
Ion	Ratio	Lower	Upper
84	100		
49	115.4	114.4	171.6
51	32.0	35.3	52.9#
86	58.4	53.7	80.5

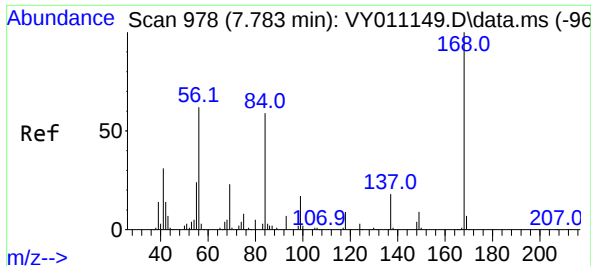


#25
2-Butanone
Concen: 3.488 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion: 43 Resp: 1228

Ion	Ratio	Lower	Upper
43	100		
72	13.8	17.7	26.5#

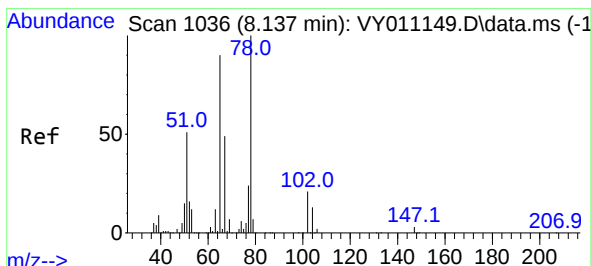
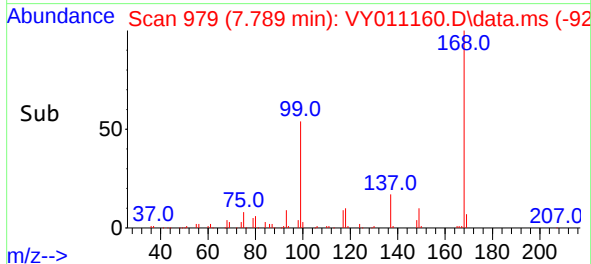
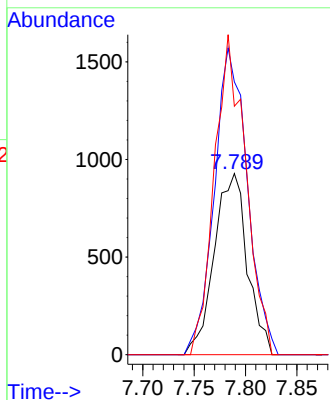
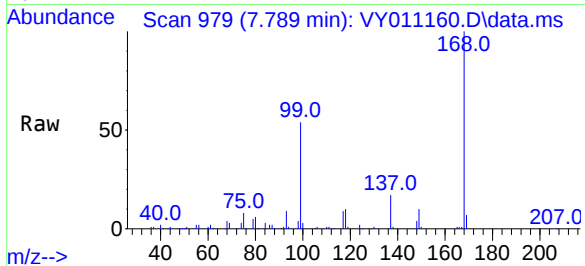




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

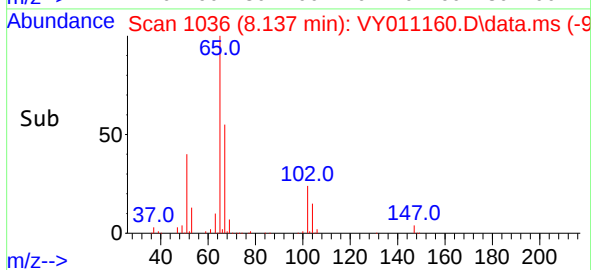
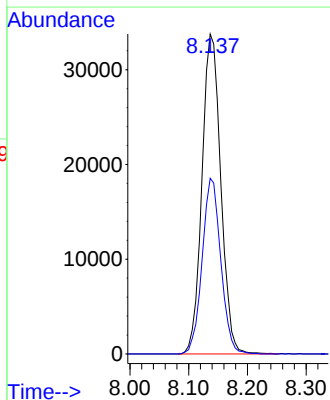
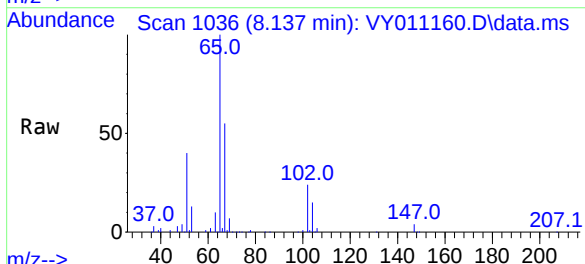
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

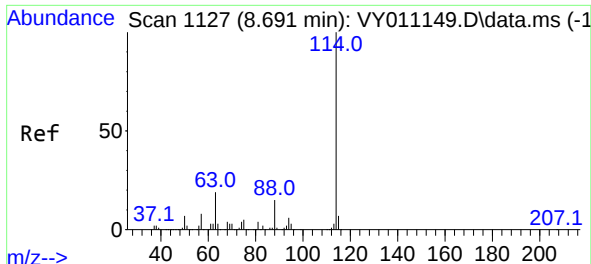
Tgt Ion: 56 Resp: 2074
Ion Ratio Lower Upper
56 100
69 150.5 26.7 40.1#
84 137.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 74.998 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion: 65 Resp: 75279
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: VY011160.D

Acq: 28 Oct 2022 16:33

Instrument :

MSVOA_Y

ClientSampleId :

PL-2-102622

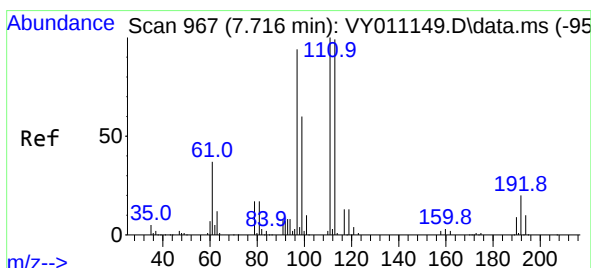
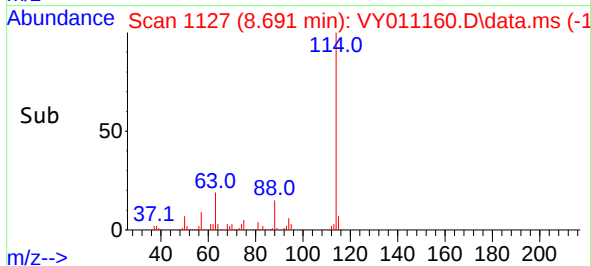
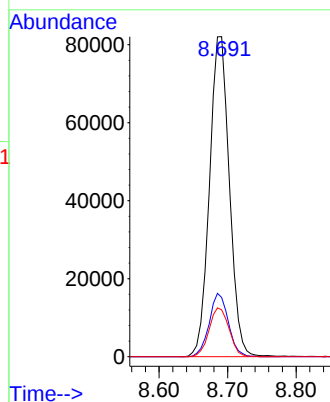
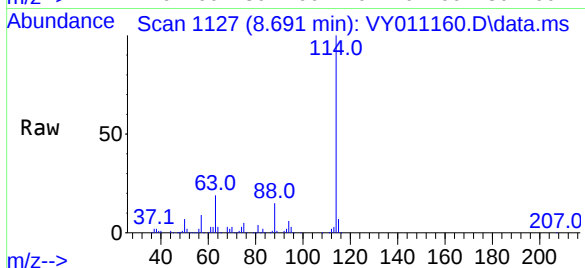
Tgt Ion:114 Resp: 165348

Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 70.345 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011160.D

Acq: 28 Oct 2022 16:33

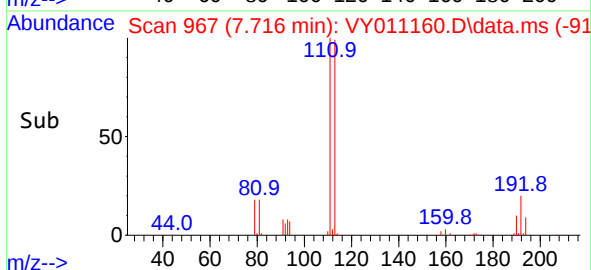
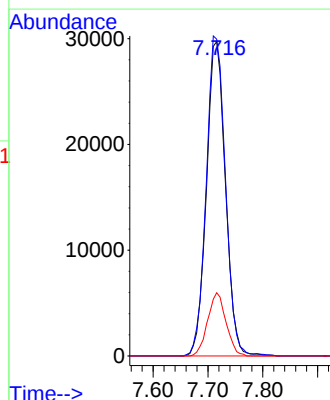
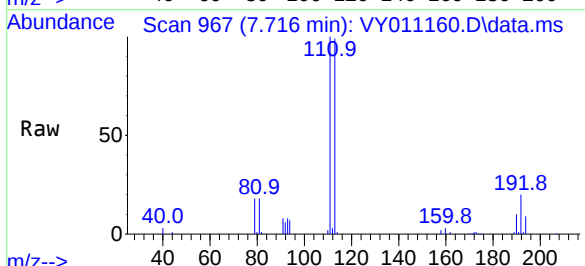
Tgt Ion:113 Resp: 71529

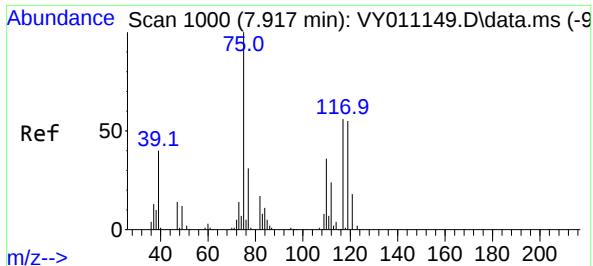
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.4 17.6 26.4

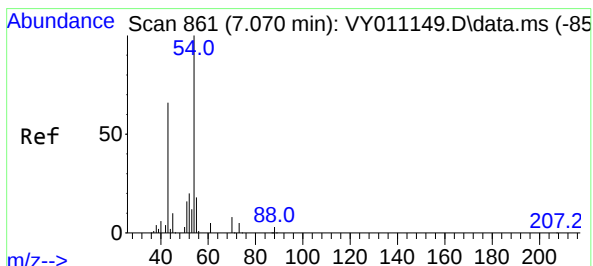
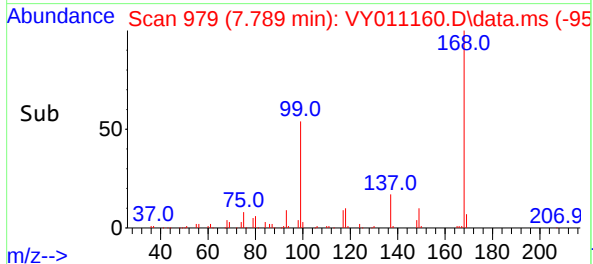
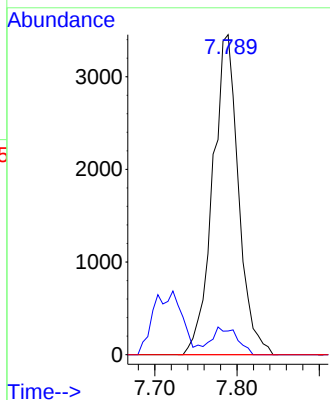
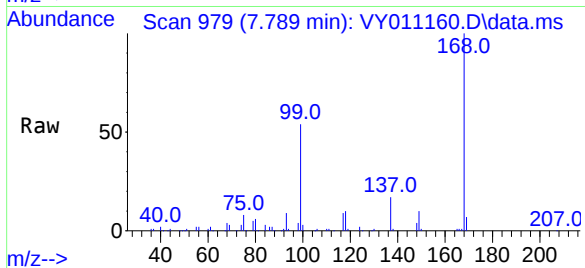




#36
1,1-Dichloropropene
Concen: 5.689 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

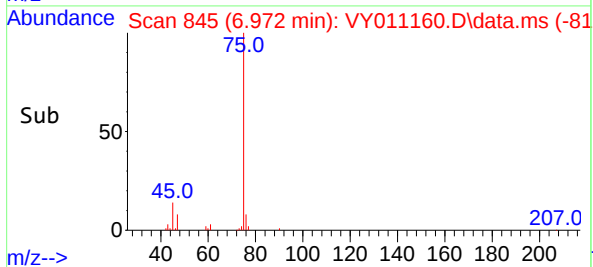
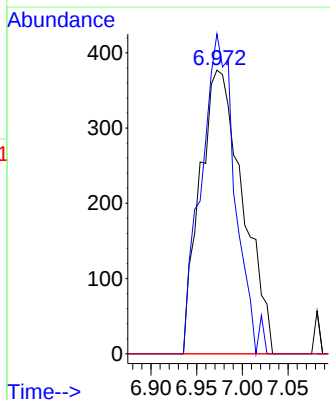
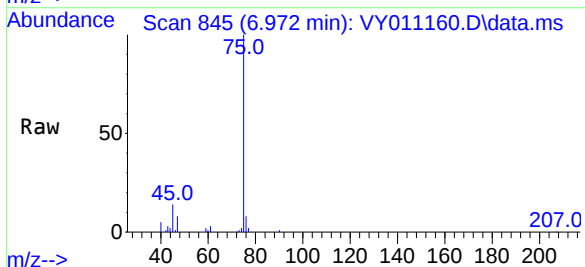
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

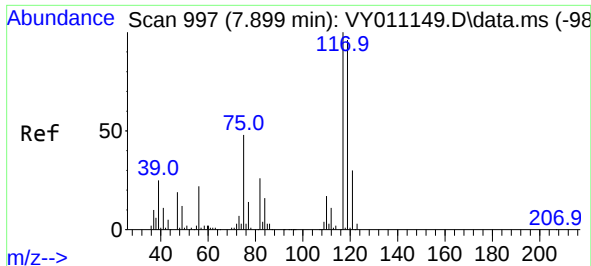
Tgt Ion: 75 Resp: 7542
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.637 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
61 88.7 9.7 14.5#
70 0.0 7.1 10.7#

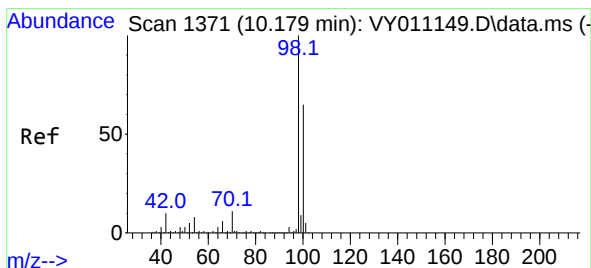
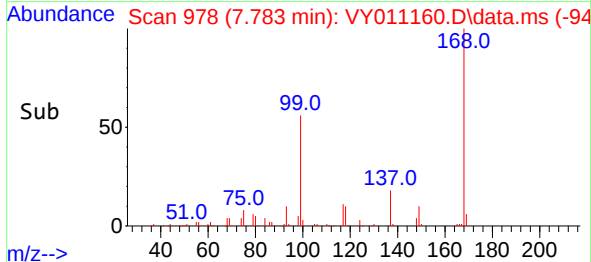
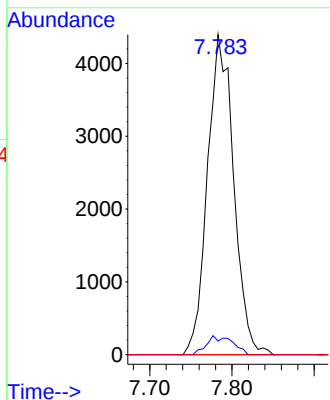
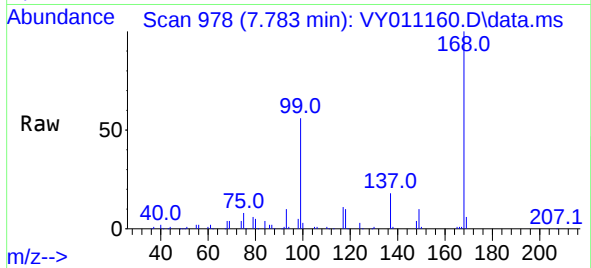




#38
Carbon Tetrachloride
Concen: 6.735 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

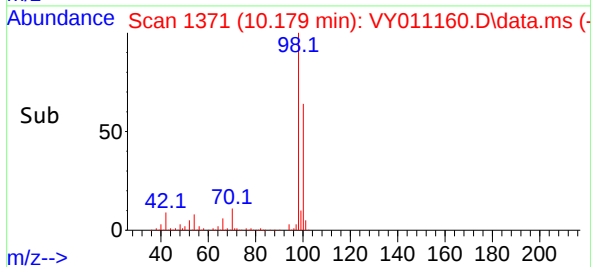
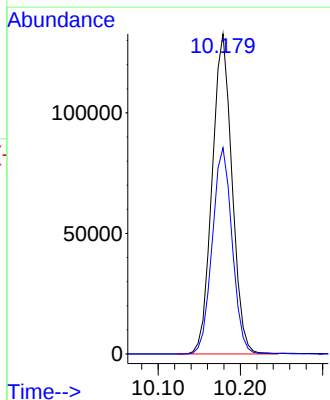
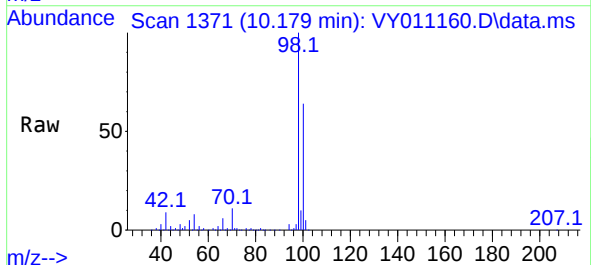
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

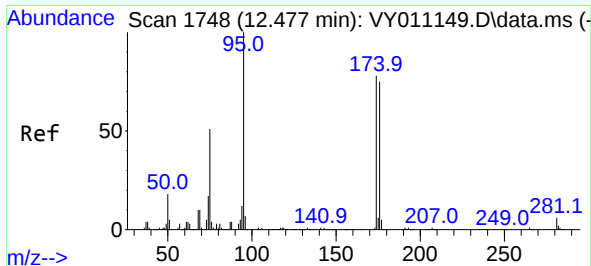
Tgt Ion:117 Resp: 9725
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.352 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion: 98 Resp: 222977
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2

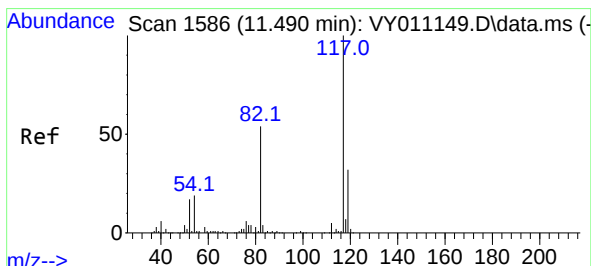
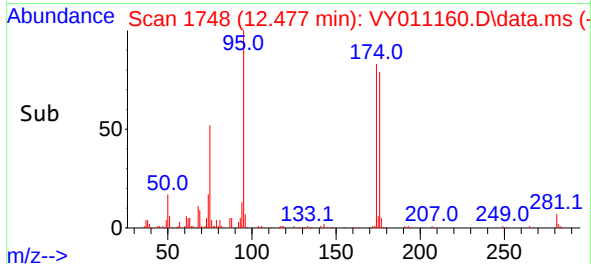
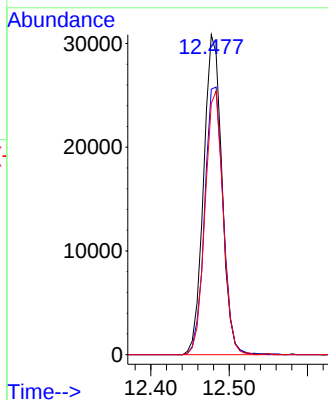
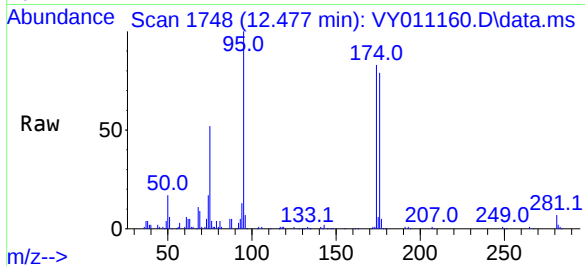




#62
4-Bromofluorobenzene
Concen: 37.897 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

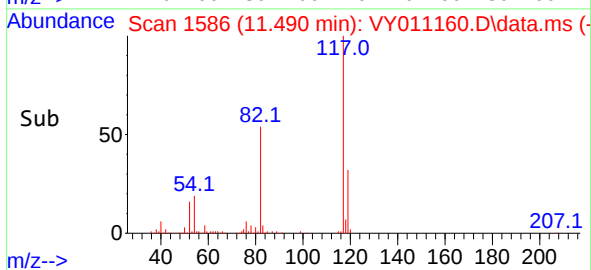
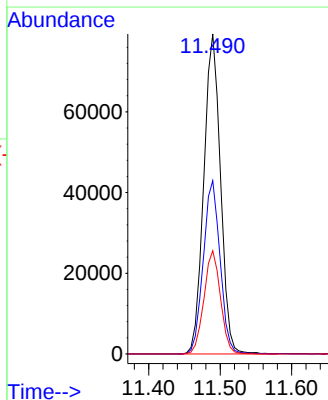
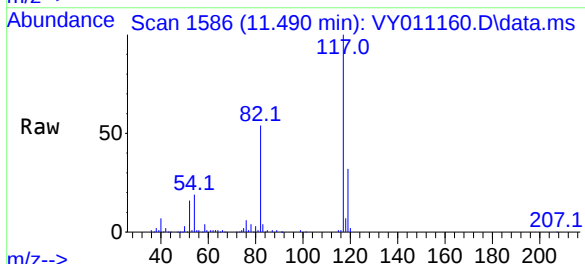
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

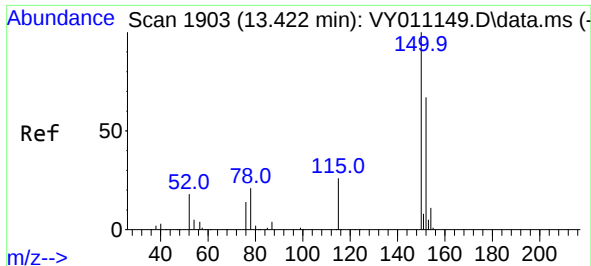
Tgt Ion: 95 Resp: 49952
Ion Ratio Lower Upper
95 100
174 84.5 0.0 177.0
176 81.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion: 117 Resp: 128950
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.3 25.4 38.0

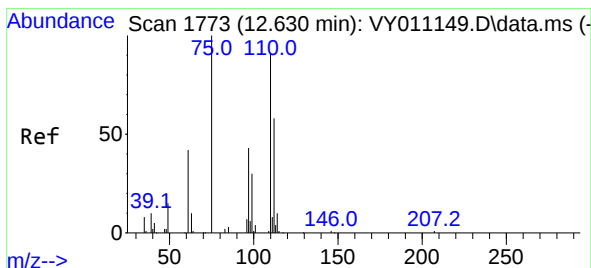
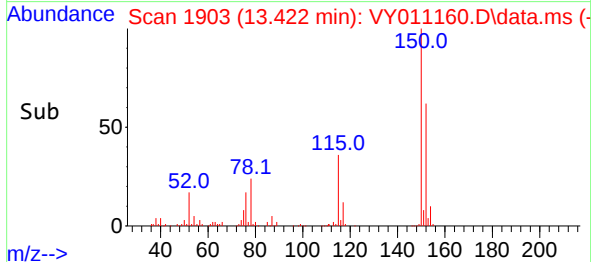
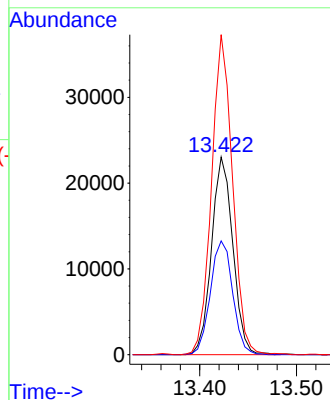
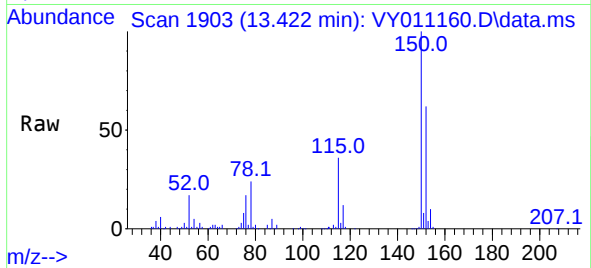




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

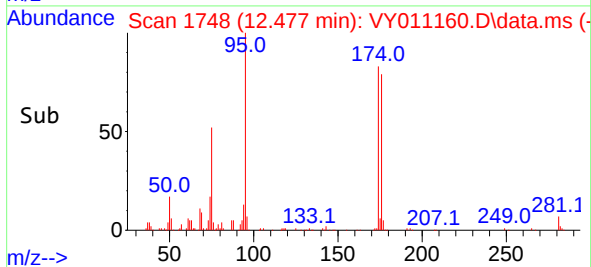
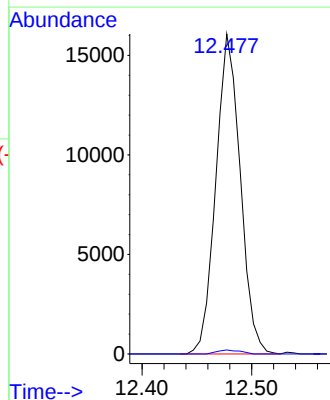
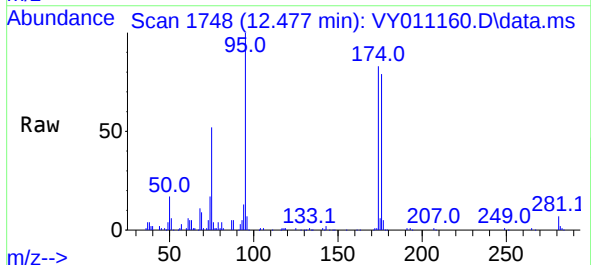
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

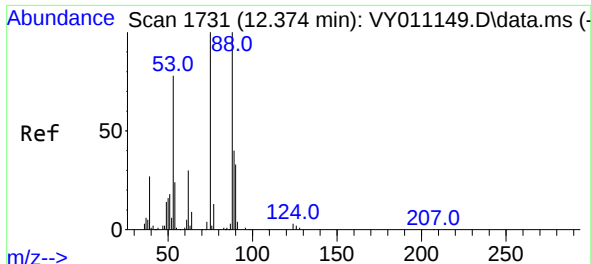
Tgt Ion:152 Resp: 35312
Ion Ratio Lower Upper
152 100
115 60.2 28.2 84.7
150 159.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 67.742 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion: 75 Resp: 24870
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

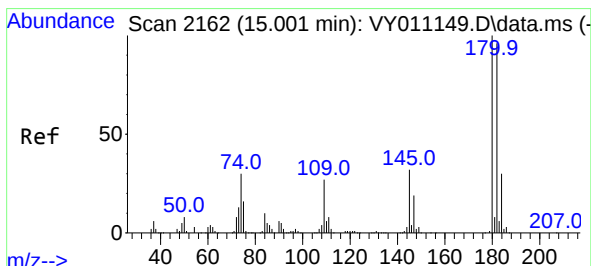
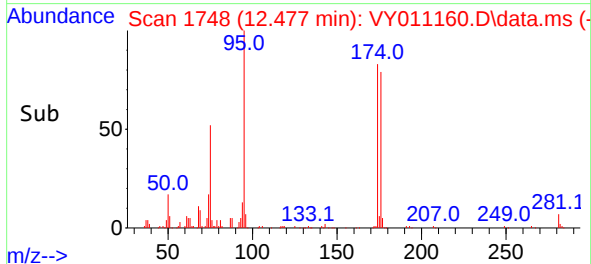
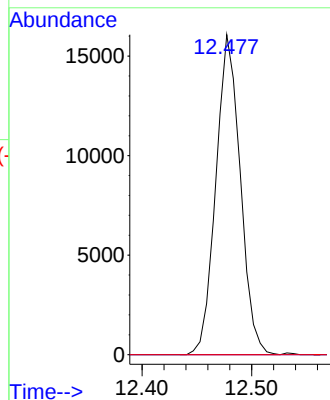
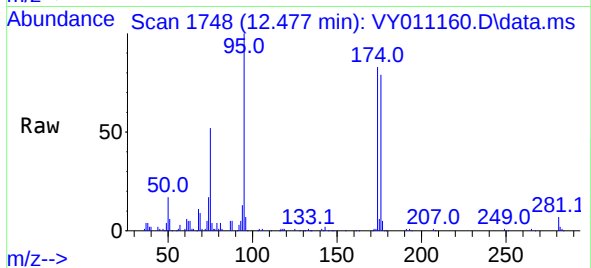




#81
trans-1,4-Dichloro-2-butene
Concen: 143.862 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

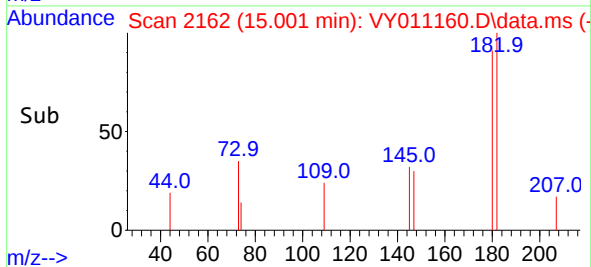
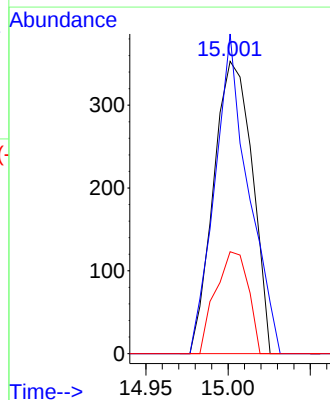
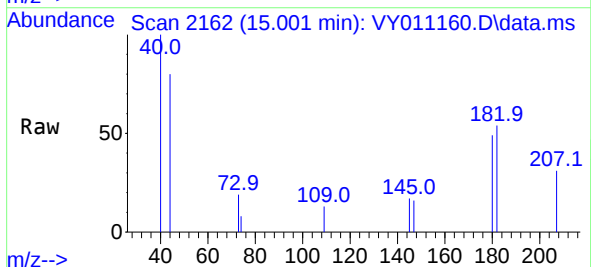
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

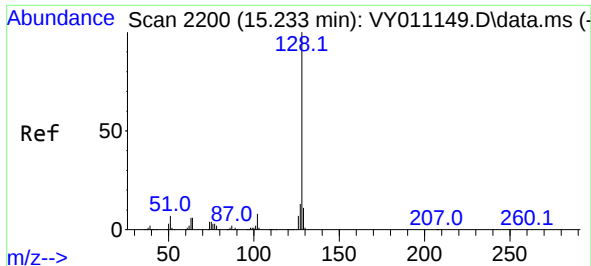
Tgt Ion: 75 Resp: 24870
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.016 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. 0.000 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion:180 Resp: 576
Ion Ratio Lower Upper
180 100
182 95.5 47.3 141.9
145 29.5 14.6 43.8

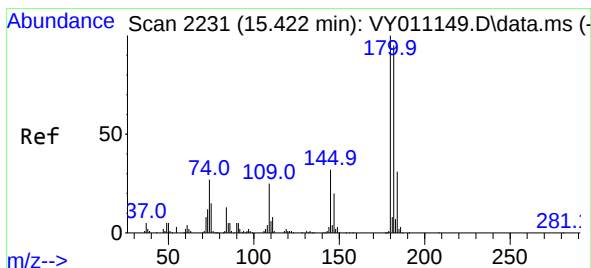
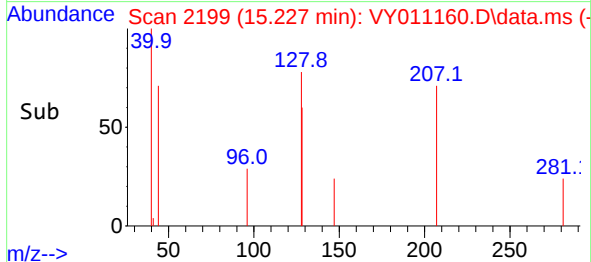
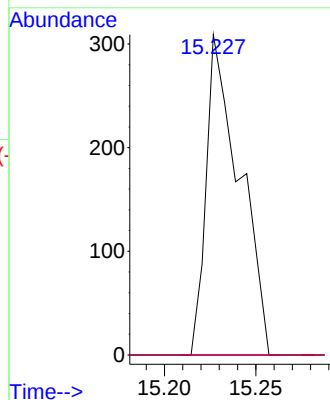
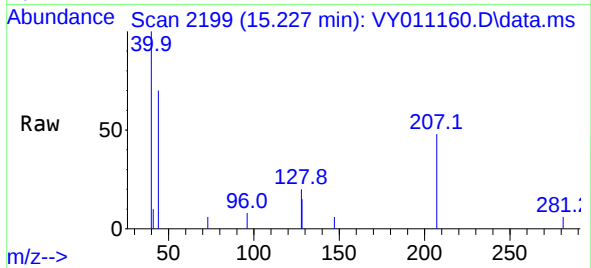




#95
Naphthalene
Concen: 4.636 ug/l
RT: 15.227 min Scan# 2119
Delta R.T. -0.006 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Instrument :
MSVOA_Y
ClientSampleId :
PL-2-102622

Tgt Ion:128 Resp: 391
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.478 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY011160.D
Acq: 28 Oct 2022 16:33

Tgt Ion:180 Resp: 729
Ion Ratio Lower Upper
180 100
182 97.4 47.3 141.9
145 31.8 15.3 45.9

