

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112822\
 Data File : VY011598.D
 Acq On : 28 Nov 2022 13:13
 Operator : KP/MD
 Sample : N5762-05RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1RE

Quant Time: Nov 29 00:25:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

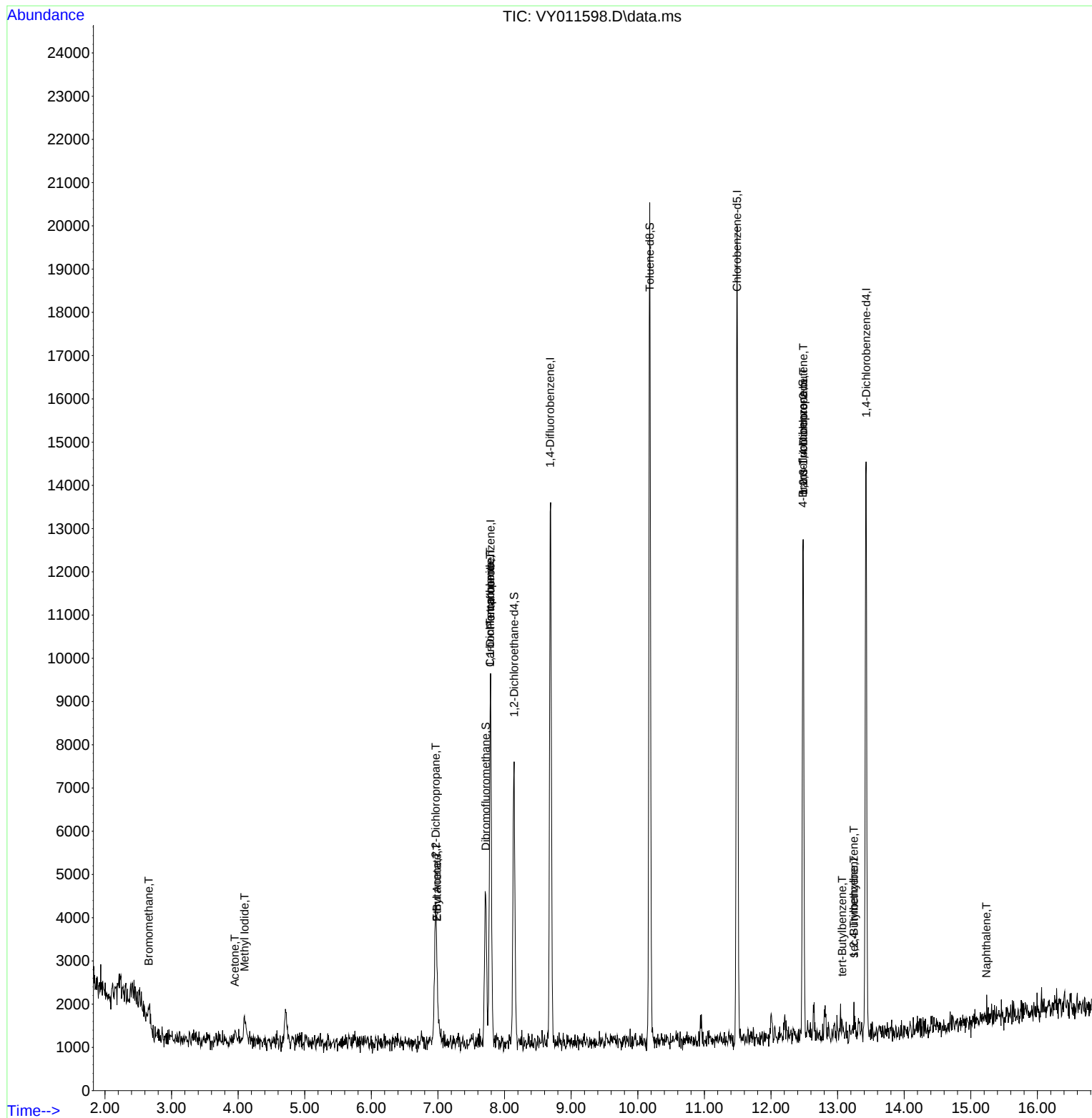
Internal Standards						
1) Pentafluorobenzene	7.789	168	6577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	10931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	10547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	4985	74.645	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	149.300%
35) Dibromofluoromethane	7.716	113	2576	38.282	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.560%
50) Toluene-d8	10.179	98	12785	52.285	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.560%
62) 4-Bromofluorobenzene	12.477	95	3971	43.923	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	191	Below Cal	#	63
5) Bromomethane	2.656	94	277	2.000	ug/l #	63
10) Methyl Iodide	4.095	142	618	8.407	ug/l #	82
11) Tert butyl alcohol	4.924	59	23	Below Cal	#	77
16) Acetone	3.948	43	464	21.390	ug/l #	47
18) Methyl Acetate	4.515	43	19	Below Cal	#	56
20) Methylene Chloride	4.698	84	566	Below Cal	#	54
25) 2-Butanone	6.984	43	153	5.367	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	127	1.058	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	562	5.343	ug/l #	42
37) Ethyl Acetate	6.984	43	153	2.554	ug/l #	72
38) Carbon Tetrachloride	7.783	117	563	4.784	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	1923	46.941	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1923	102.816	ug/l #	7
83) tert-Butylbenzene	13.069	119	262	1.297	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.245	105	409	1.786	ug/l #	31
85) sec-Butylbenzene	13.245	105	409	1.357	ug/l	84
95) Naphthalene	15.233	128	60	4.430	ug/l #	69

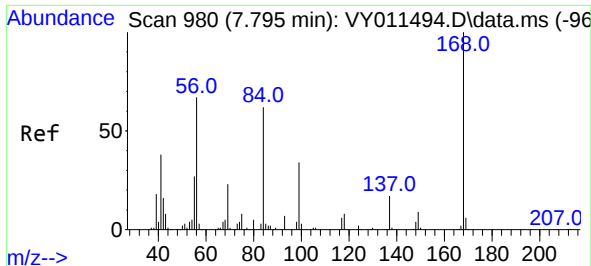
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112822\
Data File : VY011598.D
Acq On : 28 Nov 2022 13:13
Operator : KP/MD
Sample : N5762-05RE
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

Quant Time: Nov 29 00:25:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 19 22:37:14 2022
Response via : Initial Calibration

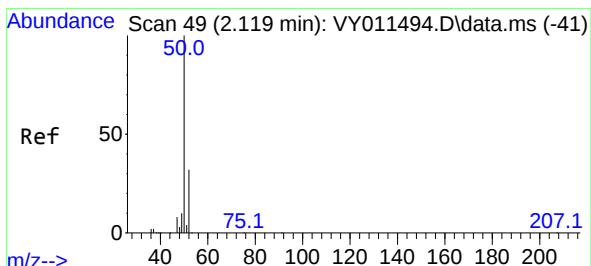
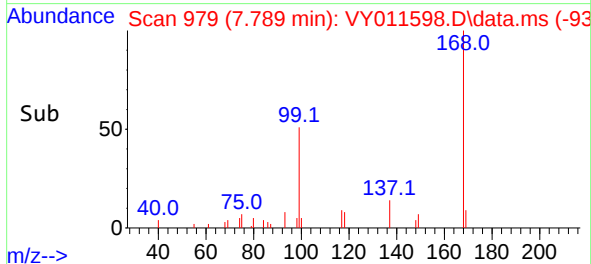
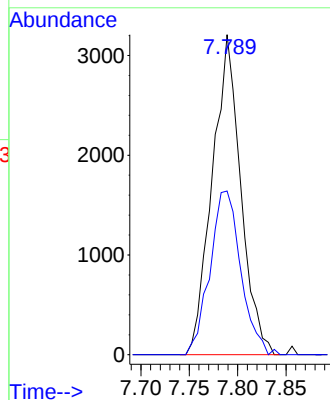
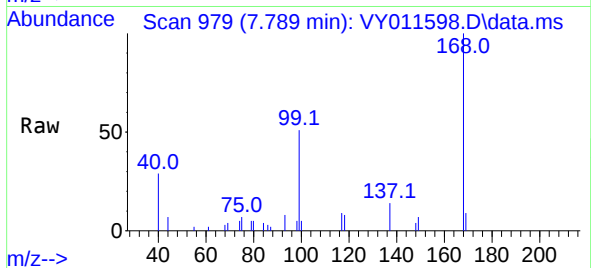




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

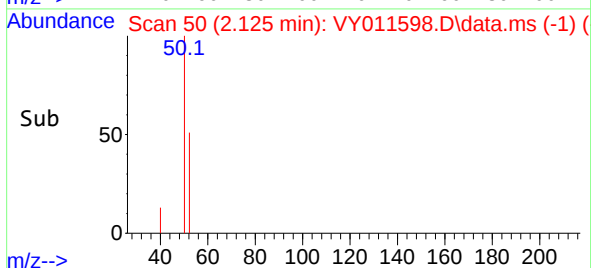
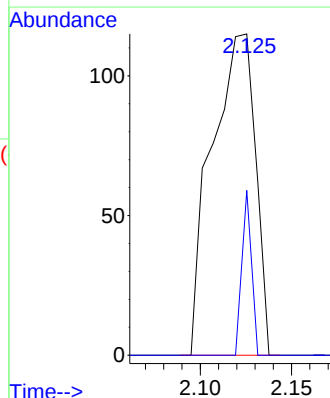
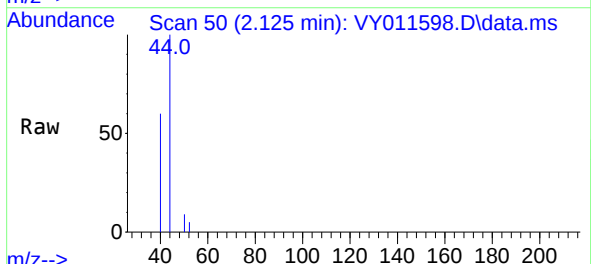
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

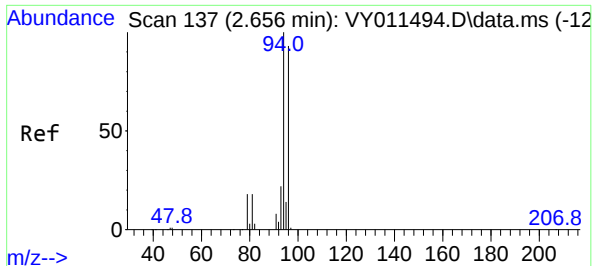
Tgt Ion:168 Resp: 6577
Ion Ratio Lower Upper
168 100
99 51.2 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

Tgt Ion: 50 Resp: 191
Ion Ratio Lower Upper
50 100
52 51.3 24.6 37.0#

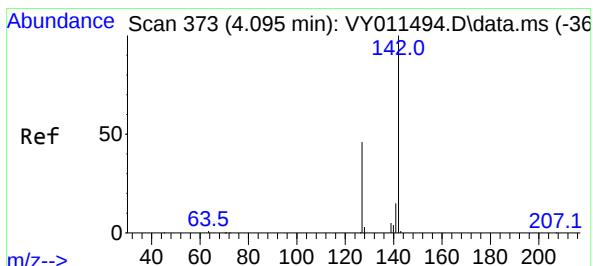
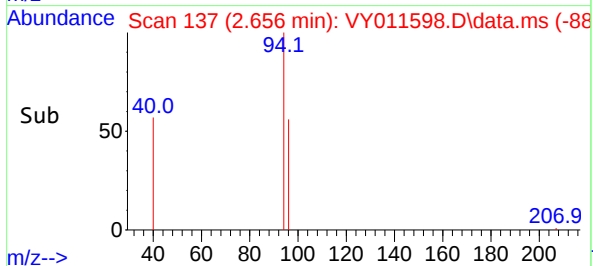
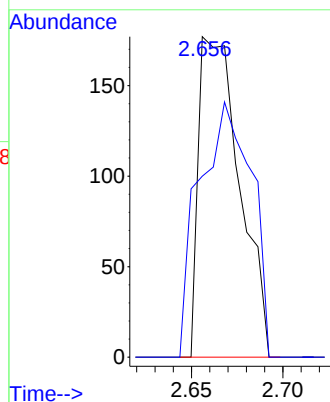
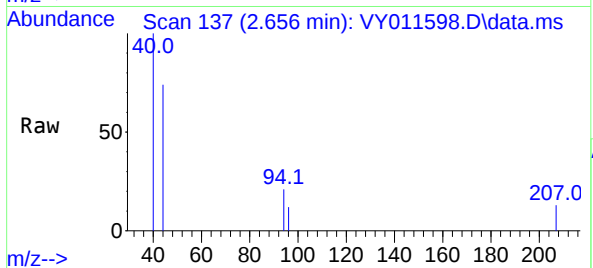




#5
Bromomethane
Concen: 2.000 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

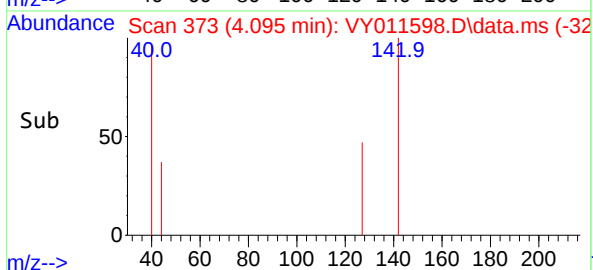
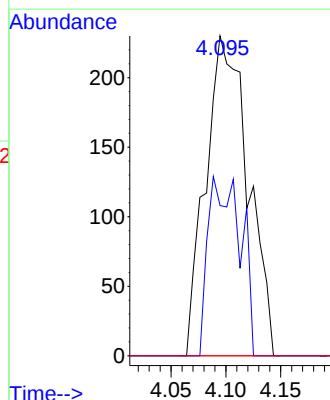
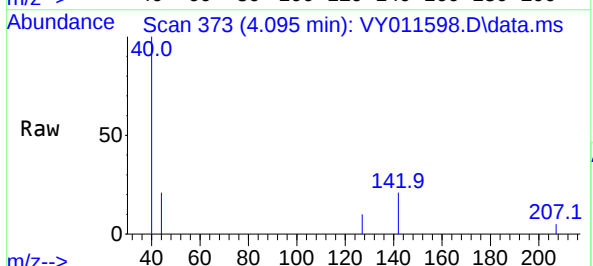
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

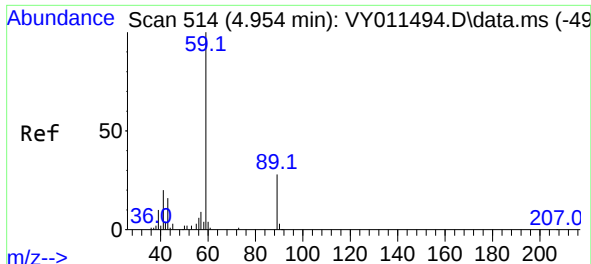
Tgt Ion: 94 Resp: 277
Ion Ratio Lower Upper
94 100
96 56.5 73.5 110.3#



#10
Methyl Iodide
Concen: 8.407 ug/l
RT: 4.095 min Scan# 373
Delta R.T. -0.000 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

Tgt Ion:142 Resp: 618
Ion Ratio Lower Upper
142 100
127 42.7 41.5 62.3
141 0.0 11.9 17.9#

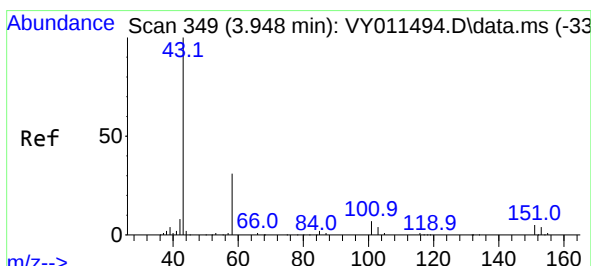
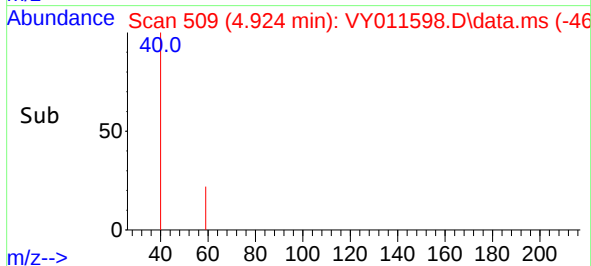
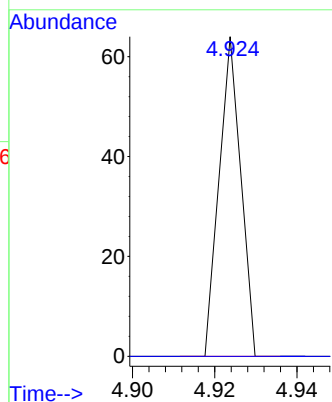
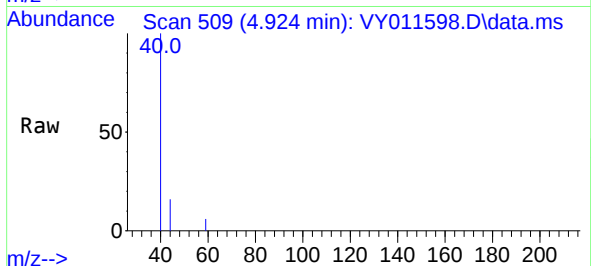




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

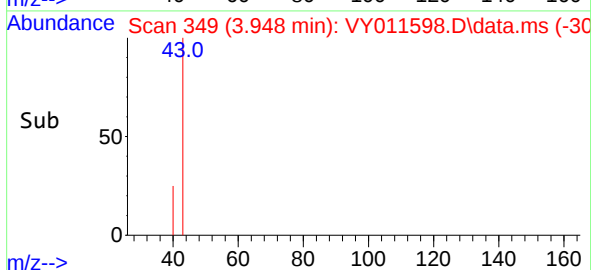
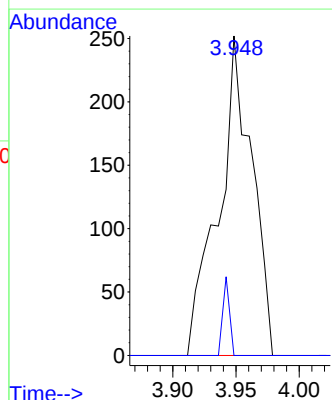
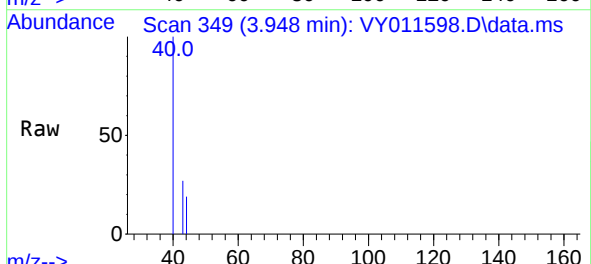
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

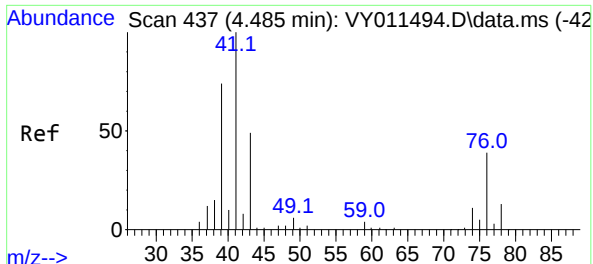
Tgt Ion: 59 Resp: 23
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 21.390 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.515 min Scan# 44

Delta R.T. 0.030 min

Lab File: VY011598.D

Acq: 28 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

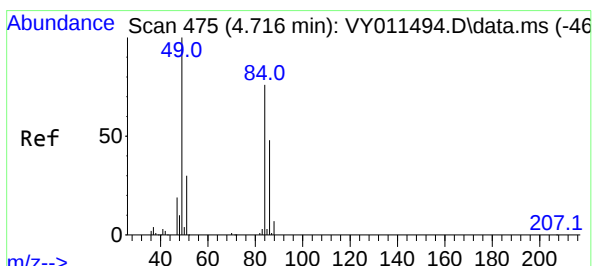
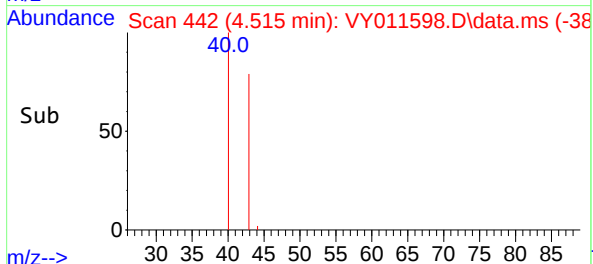
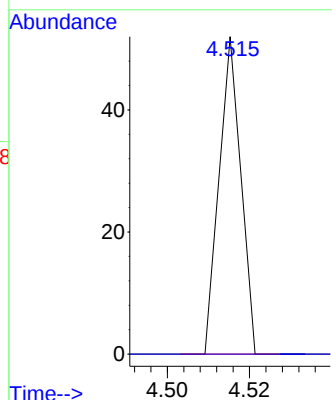
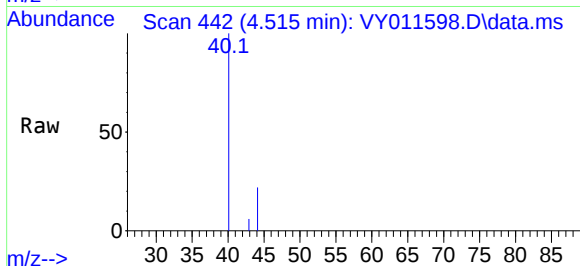
TP-1RE

Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.018 min

Lab File: VY011598.D

Acq: 28 Nov 2022 13:13

Tgt Ion: 84 Resp: 566

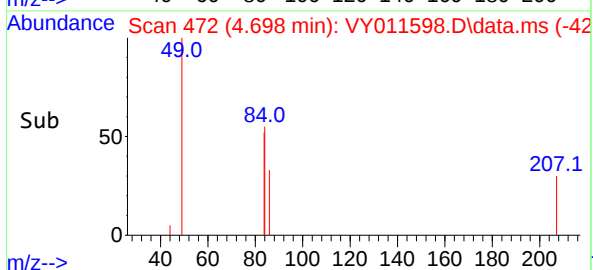
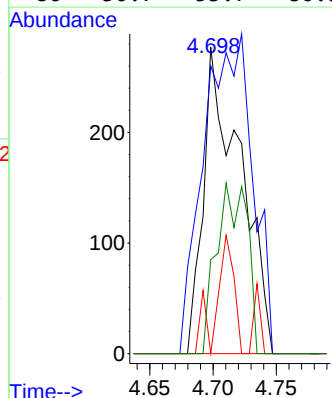
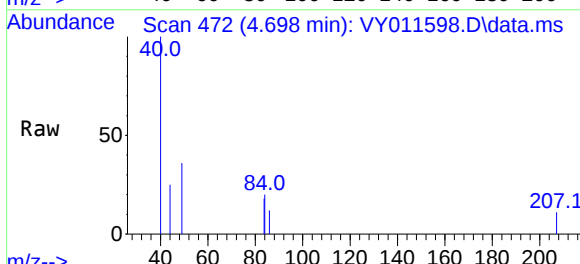
Ion Ratio Lower Upper

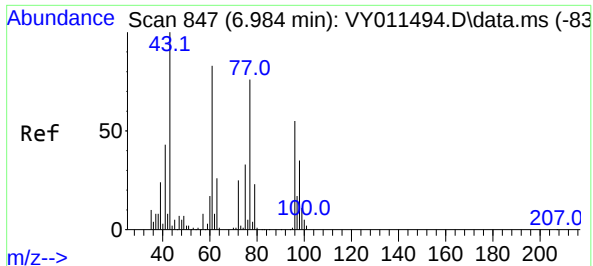
84 100

49 93.9 114.4 171.6#

51 0.0 35.3 52.9#

86 30.7 53.7 80.5#





#25

2-Butanone

Concen: 5.367 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY011598.D

Acq: 28 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

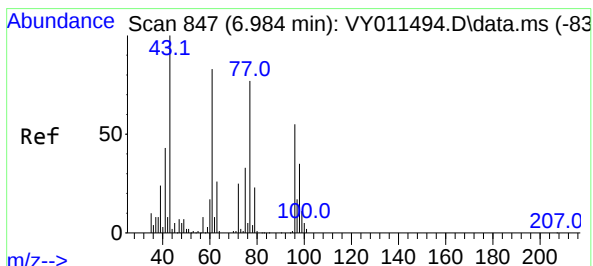
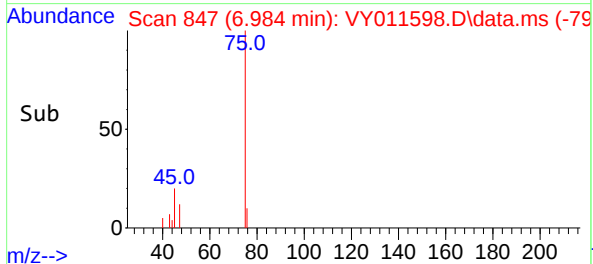
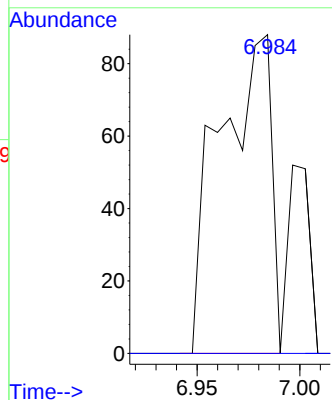
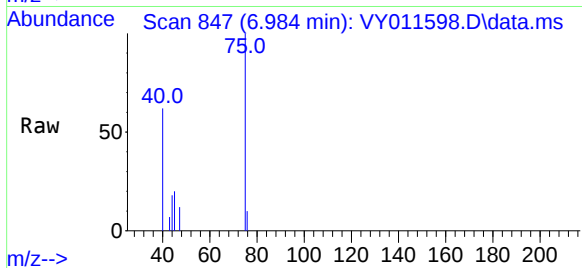
TP-1RE

Tgt Ion: 43 Resp: 153

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.058 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY011598.D

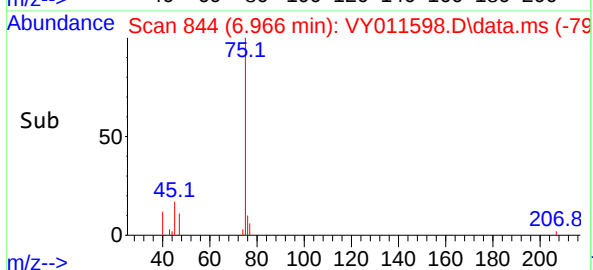
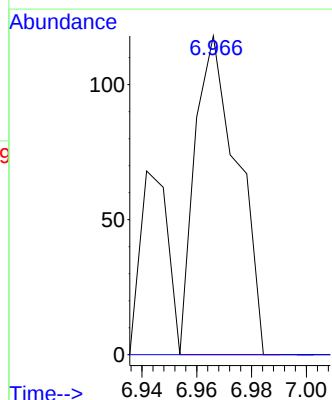
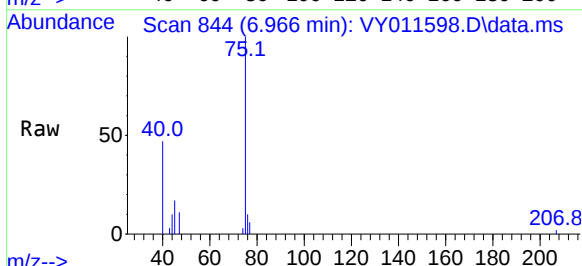
Acq: 28 Nov 2022 13:13

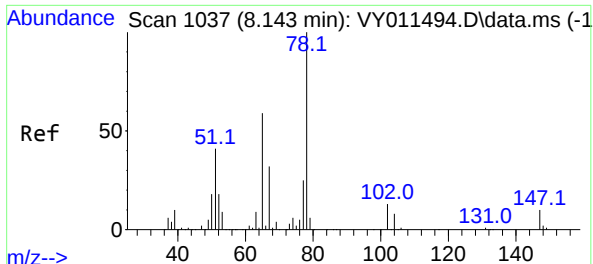
Tgt Ion: 77 Resp: 127

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#33

1,2-Dichloroethane-d4

Concen: 74.645 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011598.D

Acq: 28 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

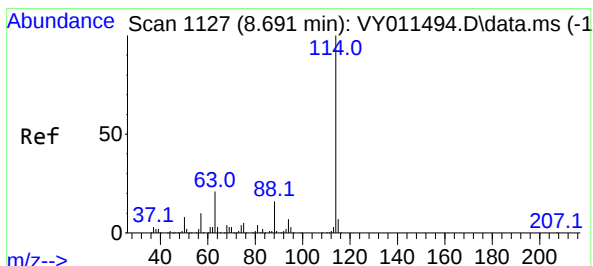
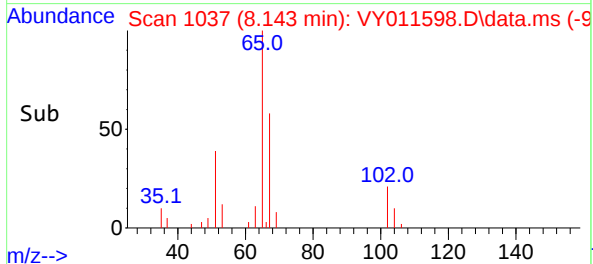
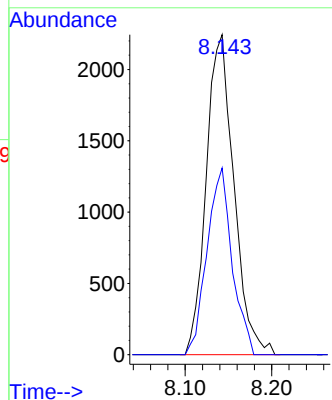
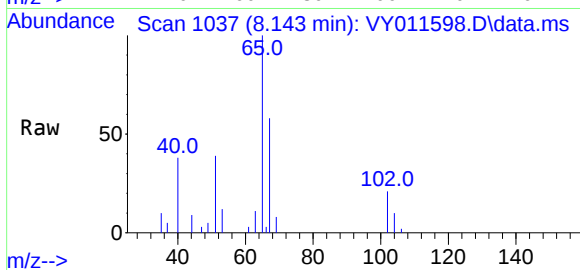
TP-1RE

Tgt Ion: 65 Resp: 4985

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011598.D

Acq: 28 Nov 2022 13:13

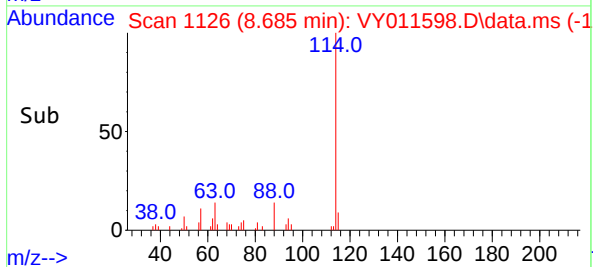
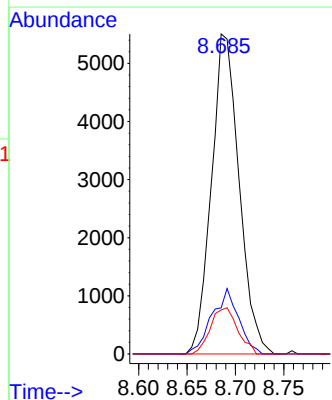
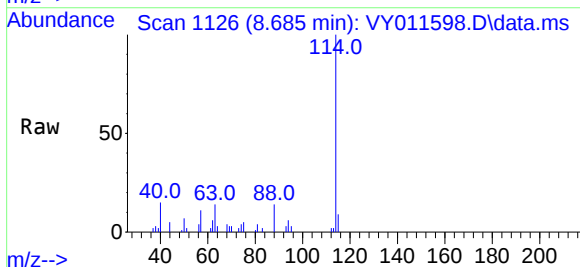
Tgt Ion: 114 Resp: 10931

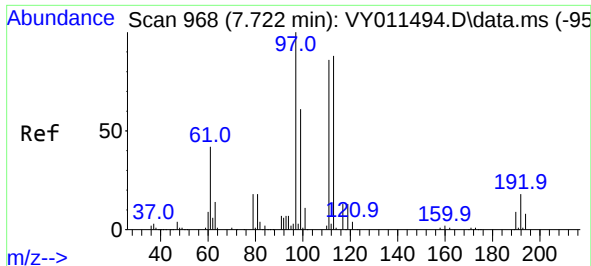
Ion Ratio Lower Upper

114 100

63 14.4 0.0 43.2

88 13.7 0.0 31.8

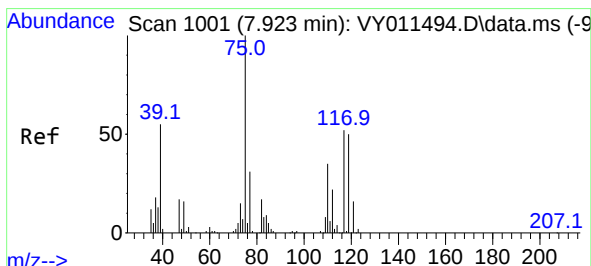
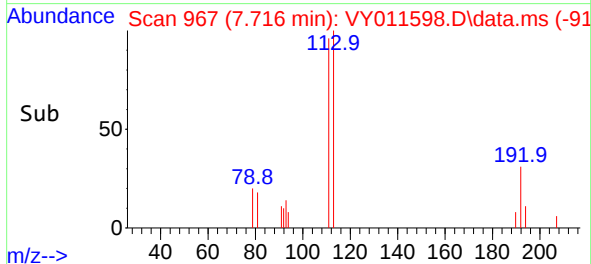
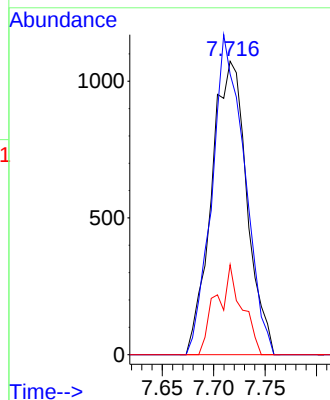
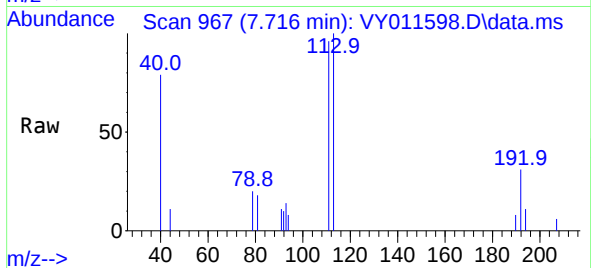




#35
Dibromofluoromethane
Concen: 38.282 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

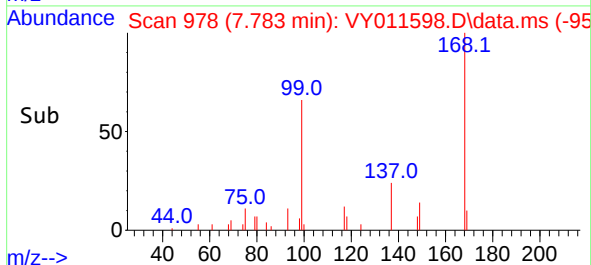
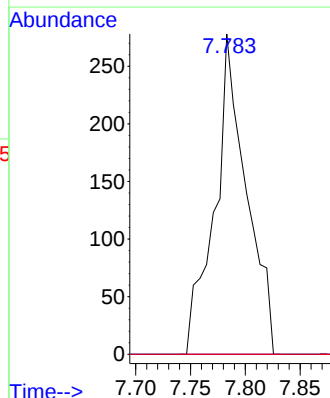
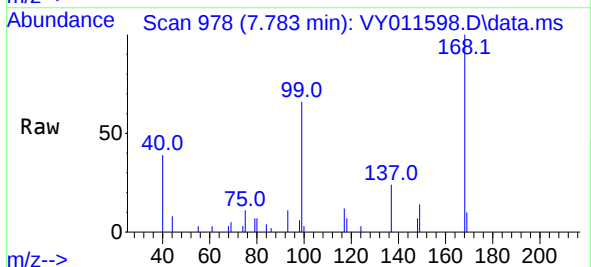
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

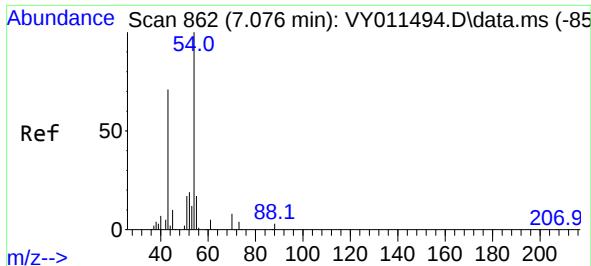
Tgt Ion:113 Resp: 2576
Ion Ratio Lower Upper
113 100
111 100.0 82.6 124.0
192 22.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.343 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

Tgt Ion: 75 Resp: 562
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.554 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY011598.D

Acq: 28 Nov 2022 13:13

Instrument :

MSVOA_Y

ClientSampleId :

TP-1RE

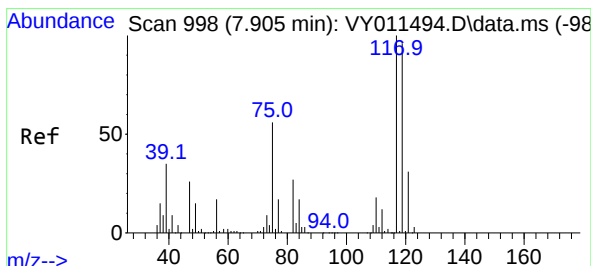
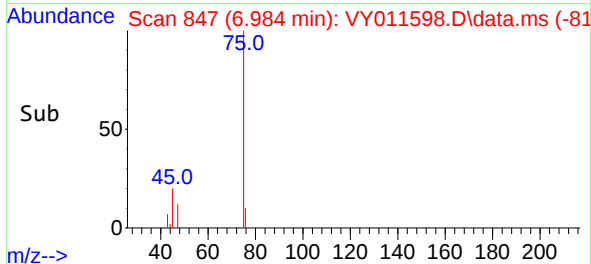
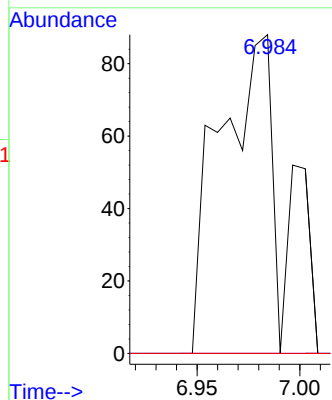
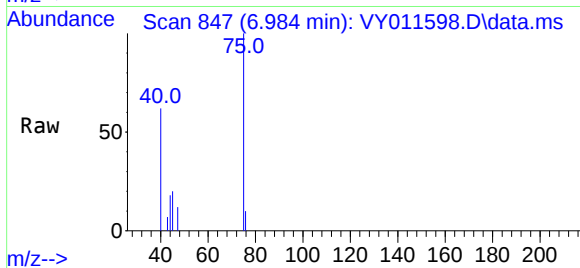
Tgt Ion: 43 Resp: 153

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.784 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY011598.D

Acq: 28 Nov 2022 13:13

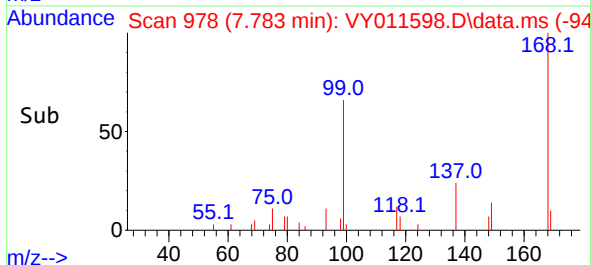
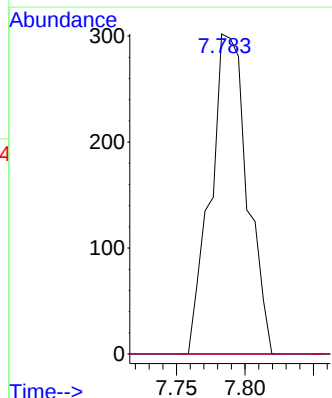
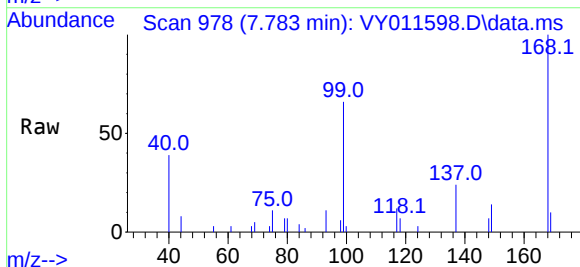
Tgt Ion: 117 Resp: 563

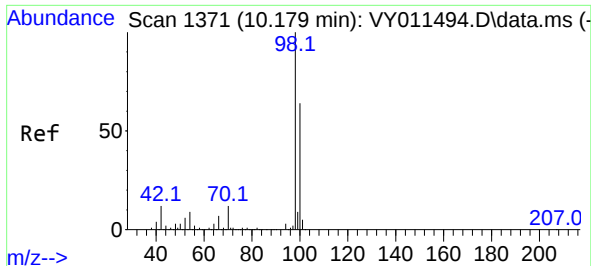
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

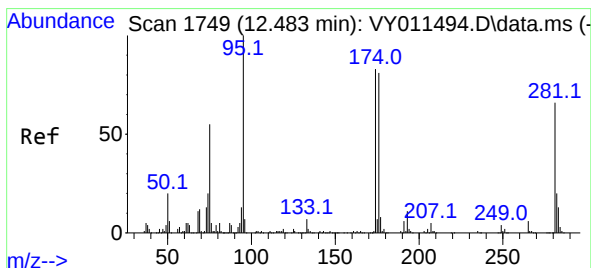
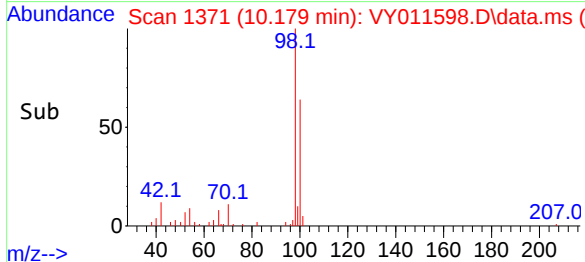
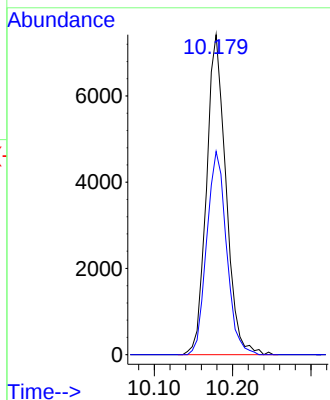
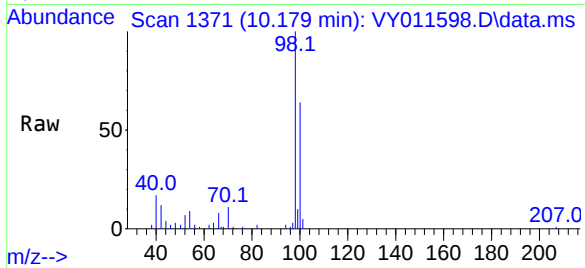




#50
Toluene-d8
Concen: 52.285 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

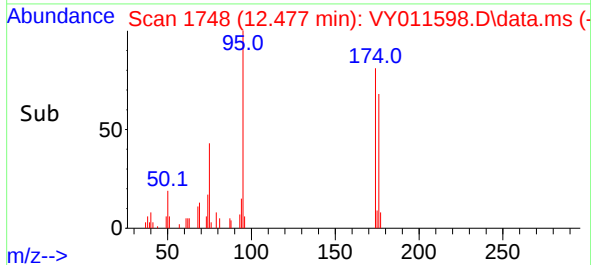
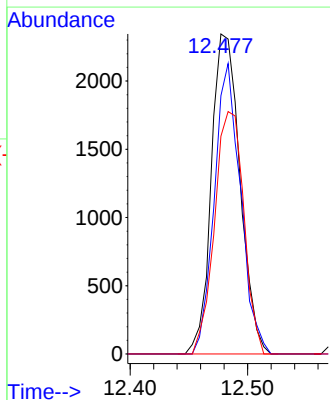
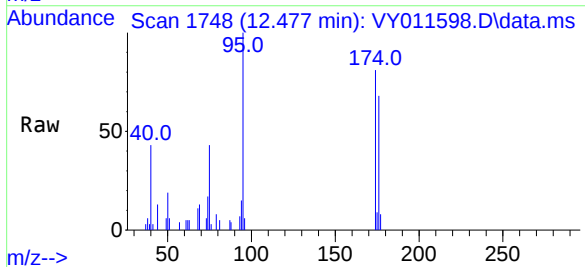
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

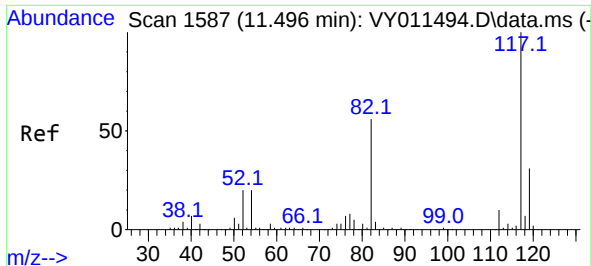
Tgt Ion: 98 Resp: 12785
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 43.923 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

Tgt Ion: 95 Resp: 3971
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 77.3 0.0 175.8

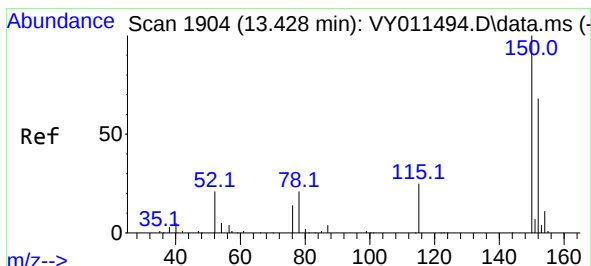
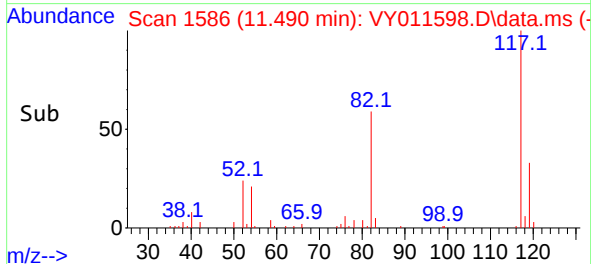
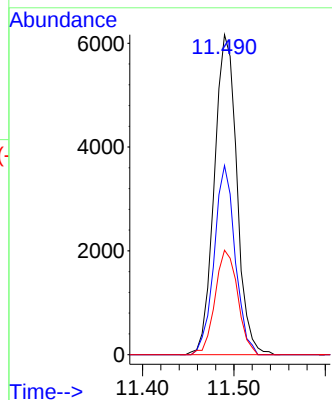
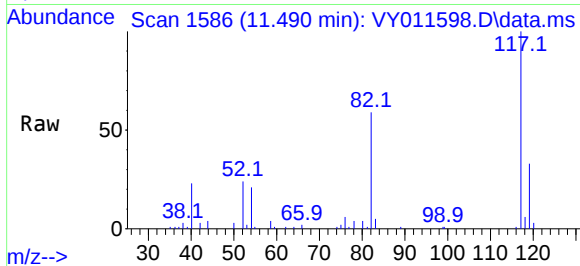




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

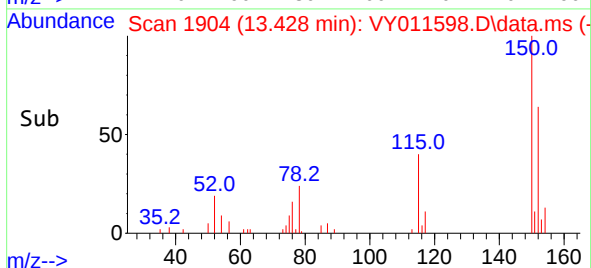
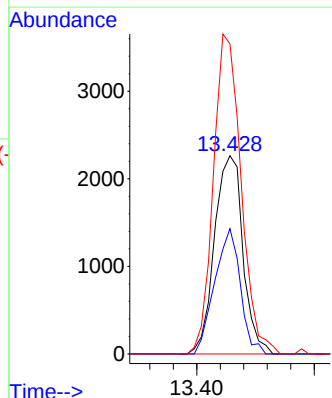
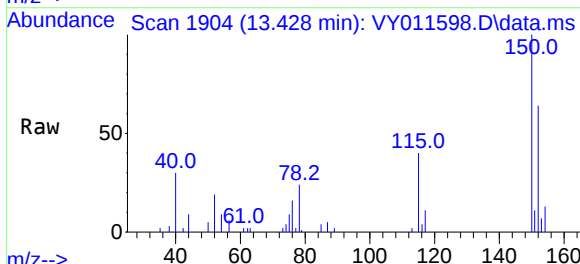
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

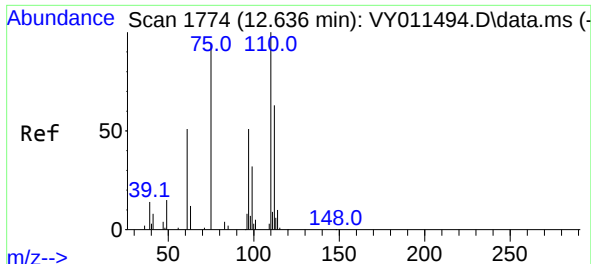
Tgt Ion:117 Resp: 10547
Ion Ratio Lower Upper
117 100
82 59.1 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

Tgt Ion:152 Resp: 3804
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 157.3 0.0 347.6

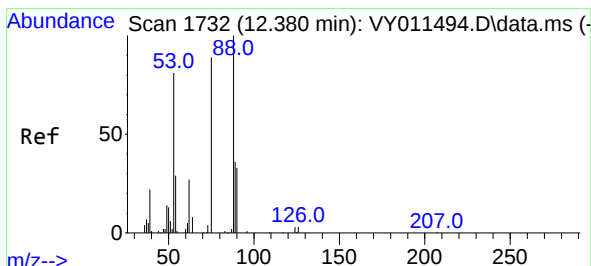
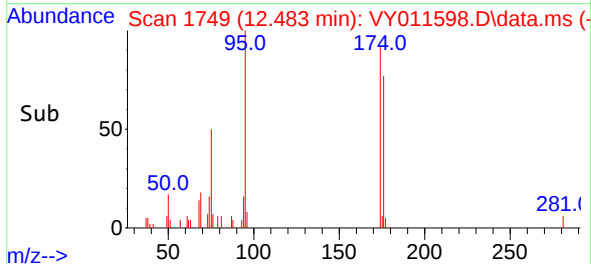
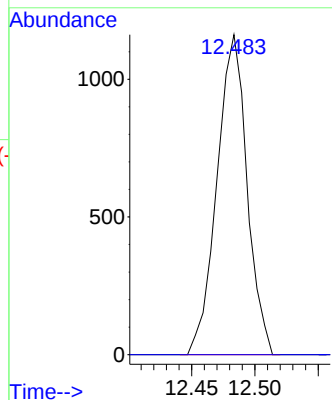
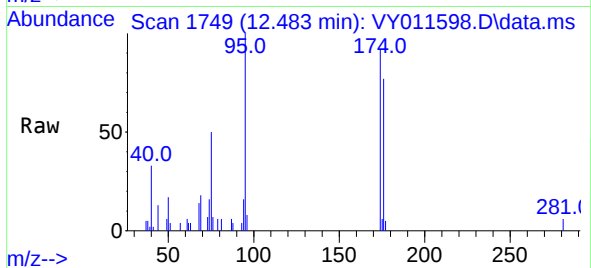




#76
1,2,3-Trichloropropane
Concen: 46.941 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

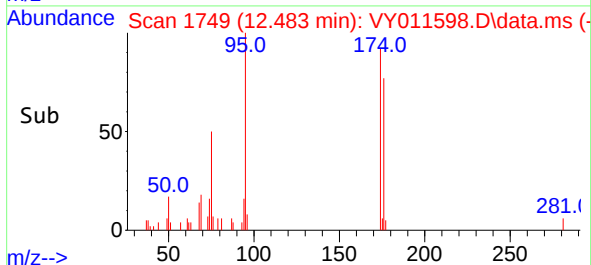
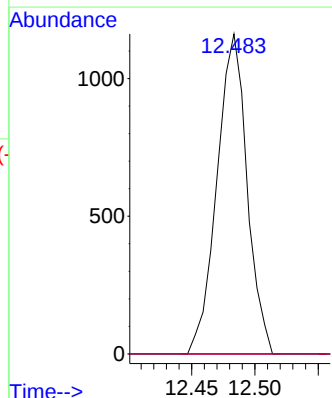
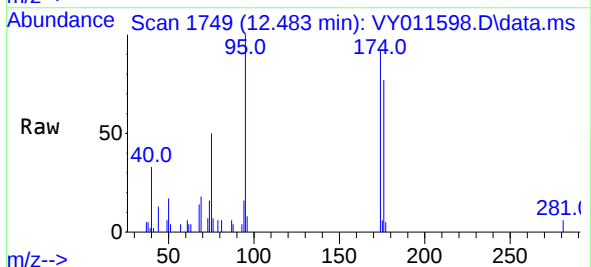
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

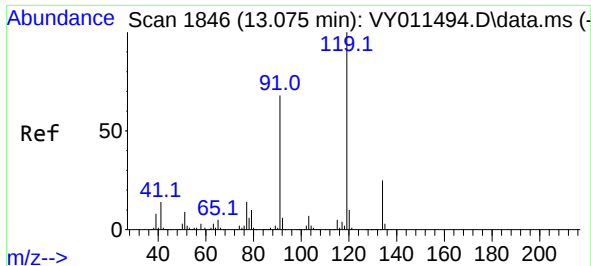
Tgt Ion: 75 Resp: 1923
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 102.816 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

Tgt Ion: 75 Resp: 1923
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

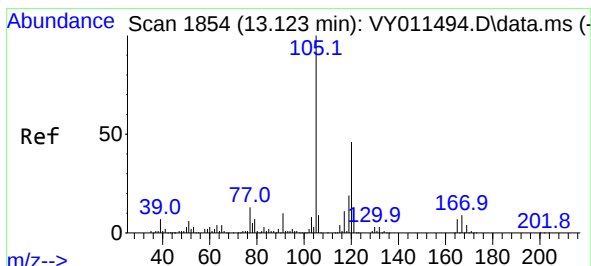
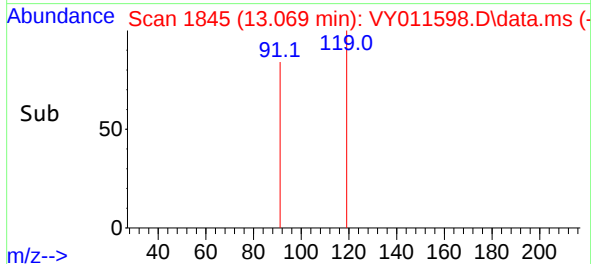
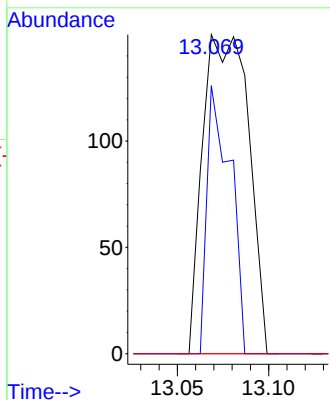
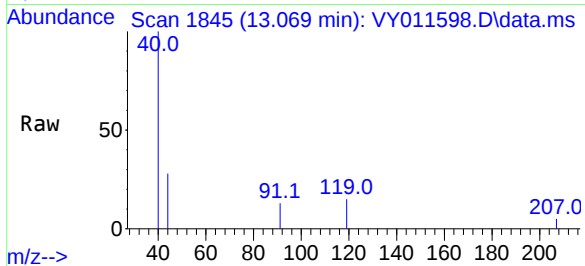




#83
tert-Butylbenzene
Concen: 1.297 ug/l
RT: 13.069 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

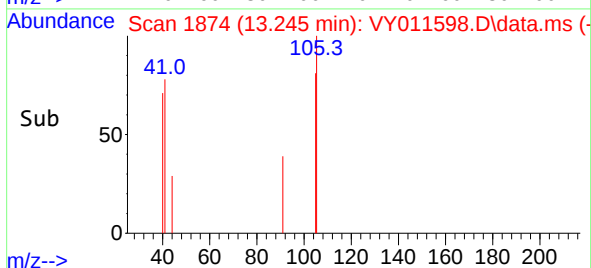
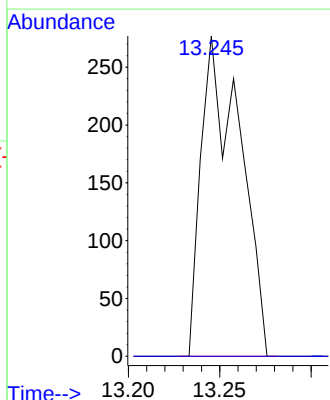
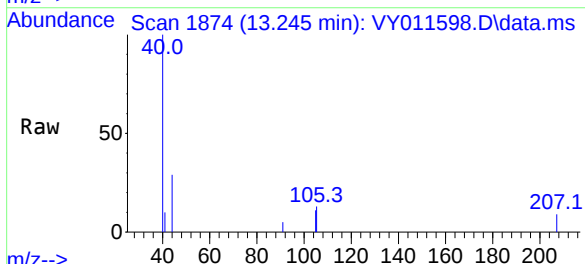
Instrument :
MSVOA_Y
ClientSampleId :
TP-1RE

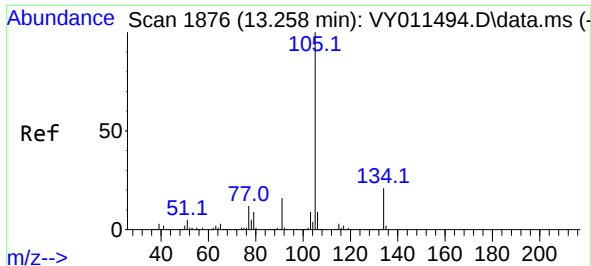
Tgt Ion:119 Resp: 262
Ion Ratio Lower Upper
119 100
91 42.7 34.8 104.4
134 0.0 13.3 39.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.786 ug/l
RT: 13.245 min Scan# 1874
Delta R.T. 0.122 min
Lab File: VY011598.D
Acq: 28 Nov 2022 13:13

Tgt Ion:105 Resp: 409
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.9#

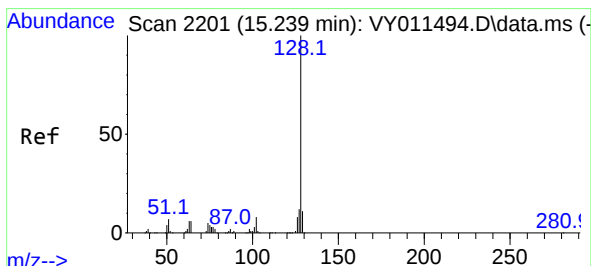
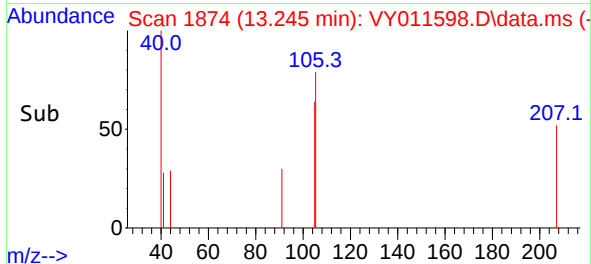
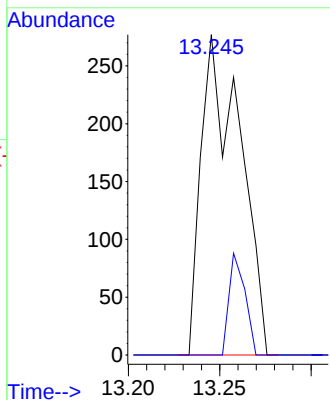
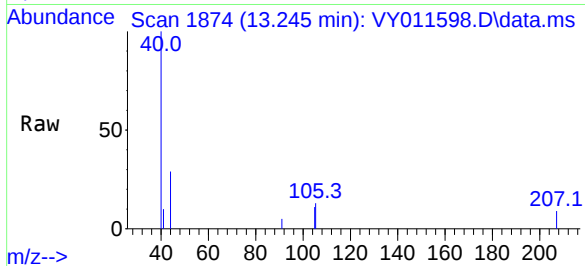




#85
 sec-Butylbenzene
 Concen: 1.357 ug/l
 RT: 13.245 min Scan# 11
 Delta R.T. -0.013 min
 Lab File: VY011598.D
 Acq: 28 Nov 2022 13:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1RE

Tgt Ion:105 Resp: 409
 Ion Ratio Lower Upper
 105 100
 134 13.0 10.2 30.4



#95
 Naphthalene
 Concen: 4.430 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.006 min
 Lab File: VY011598.D
 Acq: 28 Nov 2022 13:13

Tgt Ion:128 Resp: 60
 Ion Ratio Lower Upper
 128 100
 127 0.0 11.0 16.4#
 129 0.0 8.4 12.6#

