

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010126.D
 Acq On : 20 Aug 2022 01:15
 Operator : KP/MD
 Sample : N4219-04
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PX-4

Quant Time: Aug 22 02:50:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	45042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	83168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	93659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	46124	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	25034	67.855	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.700%
35) Dibromofluoromethane	7.710	113	24713	52.734	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.460%
50) Toluene-d8	10.179	98	96644	55.036	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.080%
62) 4-Bromofluorobenzene	12.477	95	34797	55.461	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.920%

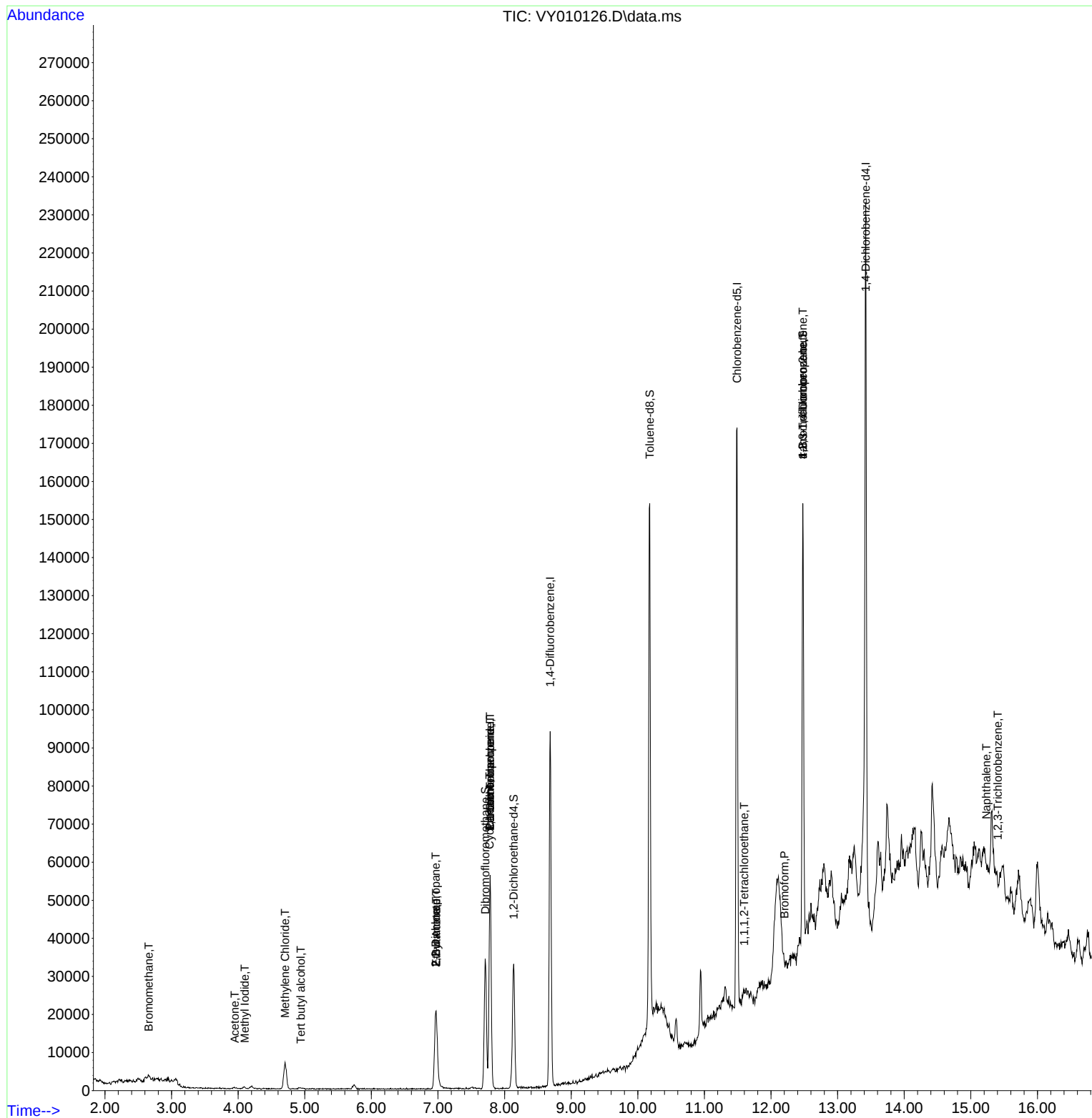
Target Compounds					Qvalue	
5) Bromomethane	2.656	94	555	1.782	ug/l	89
10) Methyl Iodide	4.101	142	839	1.569	ug/l #	84
11) Tert butyl alcohol	4.942	59	653	26.814	ug/l #	73
16) Acetone	3.948	43	631	6.834	ug/l	93
20) Methylene Chloride	4.704	84	5255	2.321	ug/l	97
25) 2-Butanone	6.972	43	1158	7.796	ug/l #	46
26) 2,2-Dichloropropane	6.966	77	1643	2.362	ug/l #	50
31) Cyclohexane	7.777	56	756	1.000	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	3205	4.285	ug/l #	47
37) Ethyl Acetate	6.972	43	1158	3.049	ug/l #	1
38) Carbon Tetrachloride	7.783	117	4230	5.392	ug/l #	15
66) 1,1,1,2-Tetrachloroethane	11.599	131	766	1.100	ug/l #	25
71) Bromoform	12.203	173	446	1.041	ug/l #	59
76) 1,2,3-Trichloropropane	12.477	75	16566	38.350	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	16566	77.027	ug/l #	19
95) Naphthalene	15.233	128	657	4.236	ug/l #	50
96) 1,2,3-Trichlorobenzene	15.403	180	879	1.261	ug/l #	8

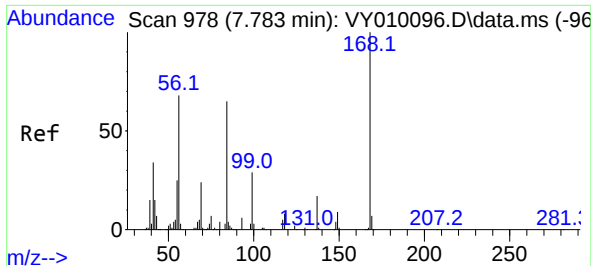
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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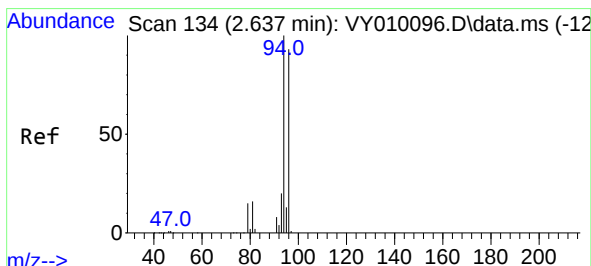
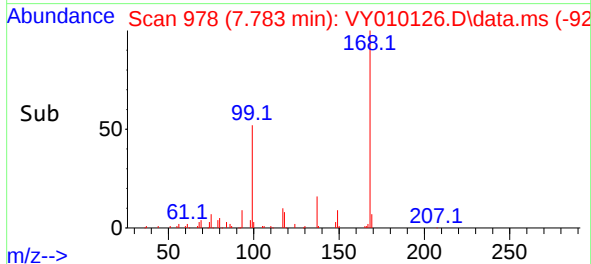
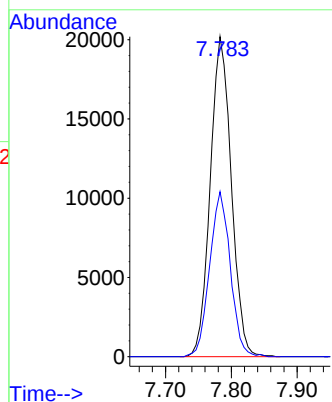
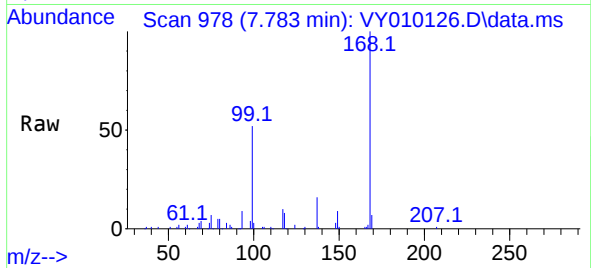




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

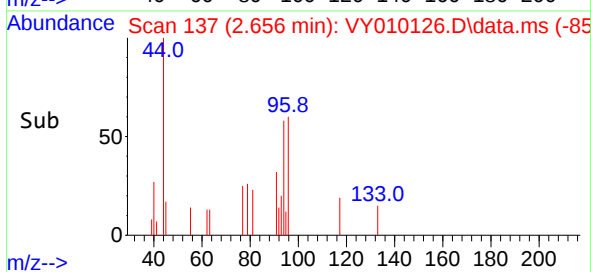
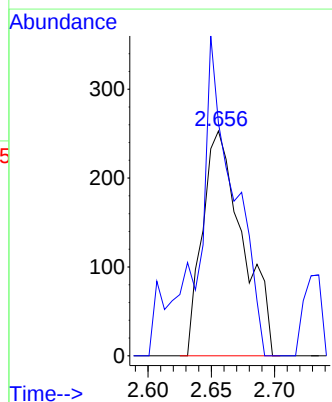
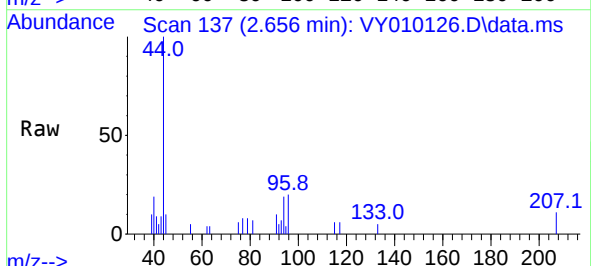
Instrument :
MSVOA_Y
ClientSampleId :
PX-4

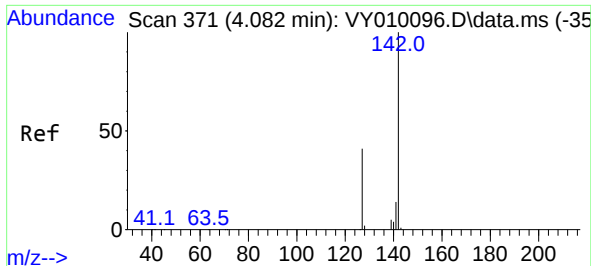
Tgt Ion:168 Resp: 45042
Ion Ratio Lower Upper
168 100
99 51.6 40.7 61.1



#5
Bromomethane
Concen: 1.782 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

Tgt Ion: 94 Resp: 555
Ion Ratio Lower Upper
94 100
96 103.6 74.3 111.5

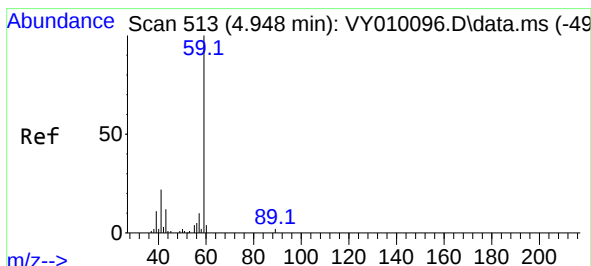
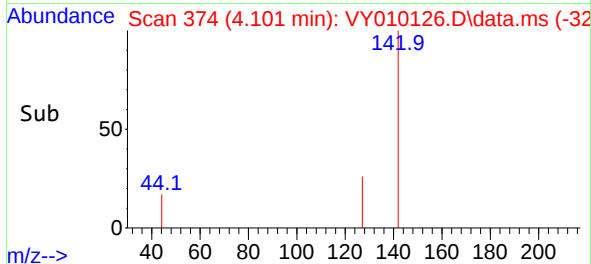
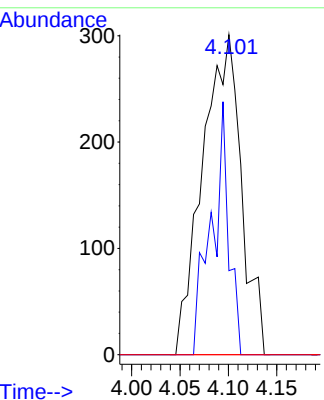
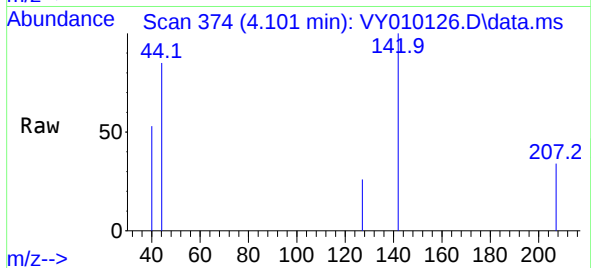




#10
Methyl Iodide
Concen: 1.569 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

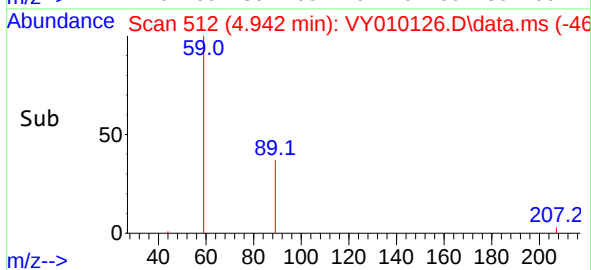
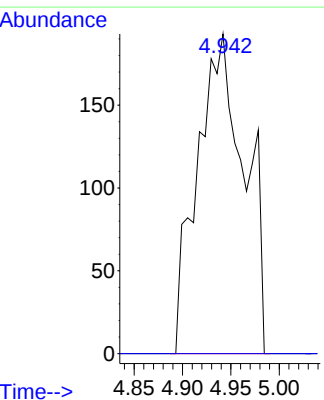
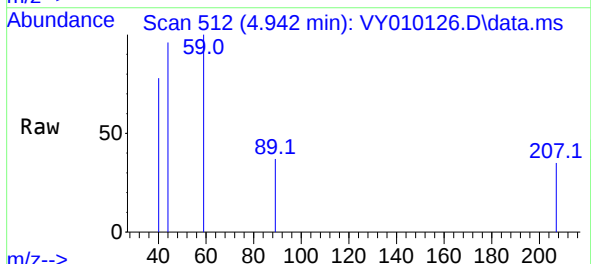
Instrument :
MSVOA_Y
ClientSampleId :
PX-4

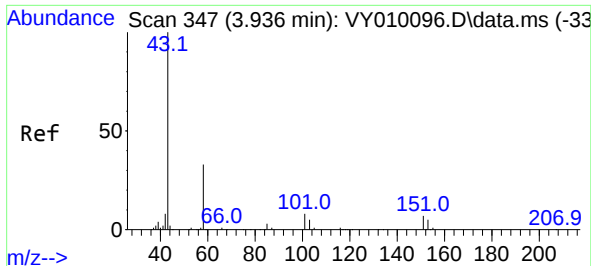
Tgt Ion:142 Resp: 839
Ion Ratio Lower Upper
142 100
127 35.2 32.2 48.4
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 26.814 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

Tgt Ion: 59 Resp: 653
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

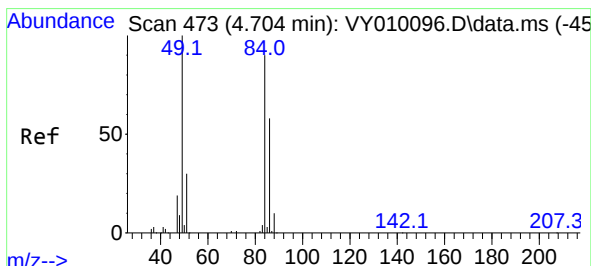
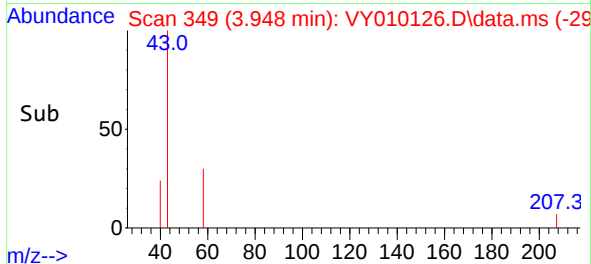
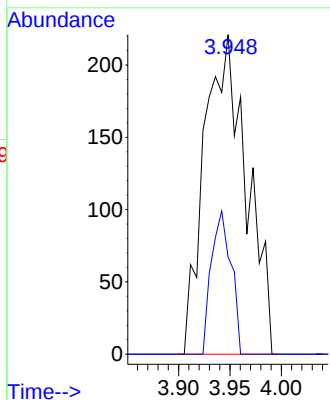
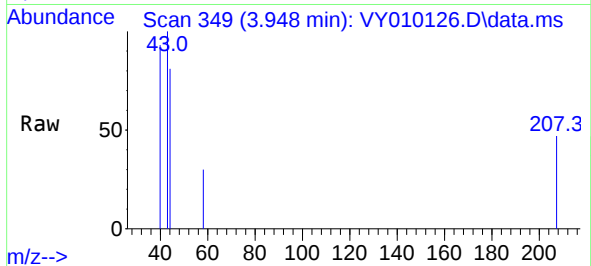




#16
Acetone
Concen: 6.834 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

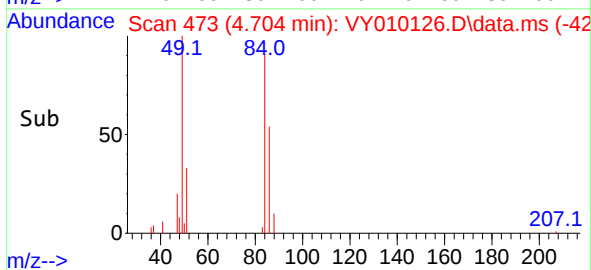
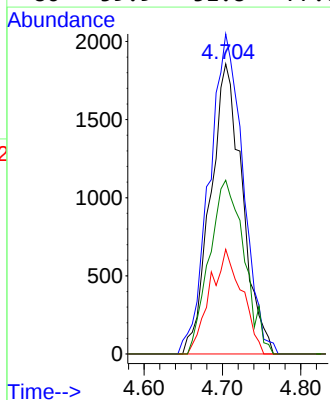
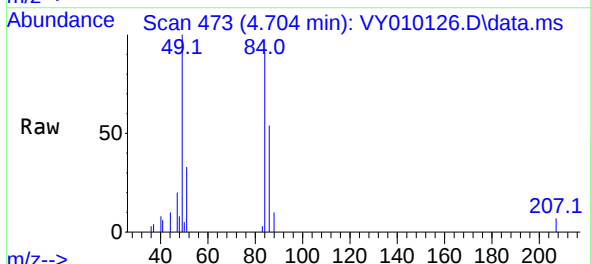
Instrument :
MSVOA_Y
ClientSampleId :
PX-4

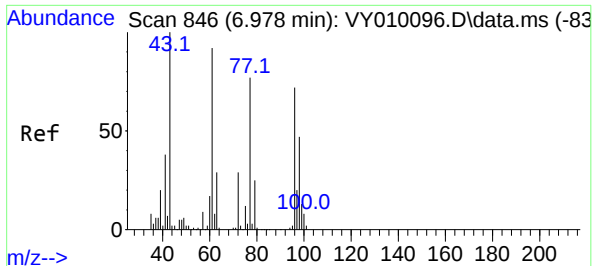
Tgt Ion: 43 Resp: 631
Ion Ratio Lower Upper
43 100
58 30.3 27.4 41.0



#20
Methylene Chloride
Concen: 2.321 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

Tgt Ion: 84 Resp: 5255
Ion Ratio Lower Upper
84 100
49 110.3 89.0 133.4
51 36.1 27.0 40.6
86 59.9 51.8 77.6





#25

2-Butanone

Concen: 7.796 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010126.D

Acq: 20 Aug 2022 01:15

Instrument :

MSVOA_Y

ClientSampleId :

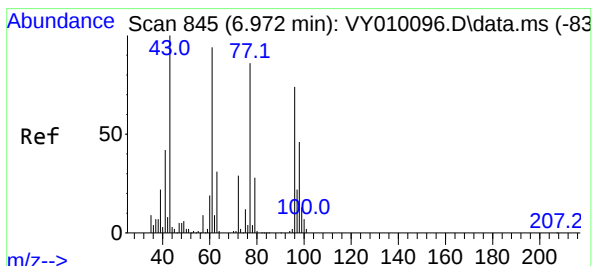
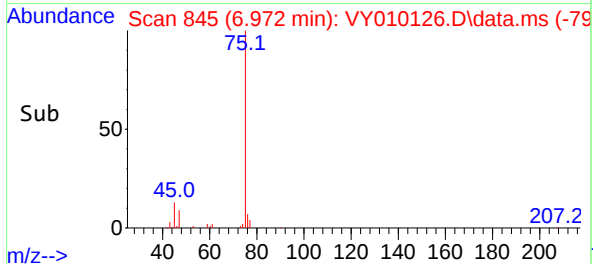
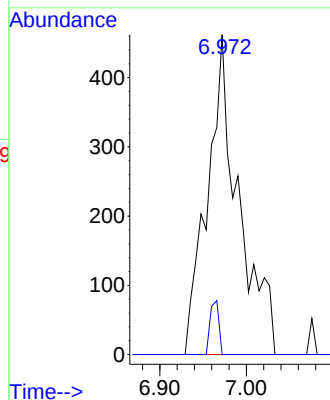
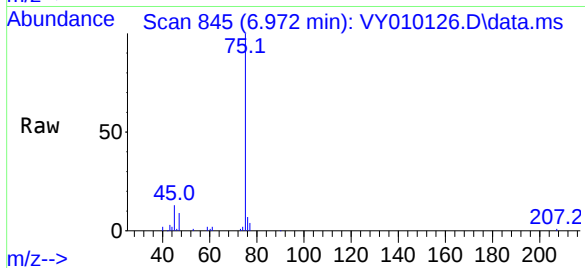
PX-4

Tgt Ion: 43 Resp: 1158

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#26

2,2-Dichloropropane

Concen: 2.362 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010126.D

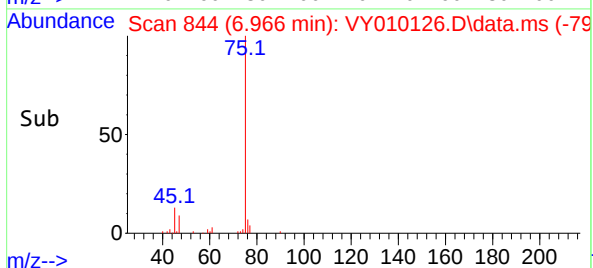
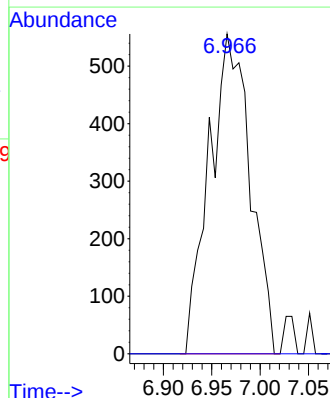
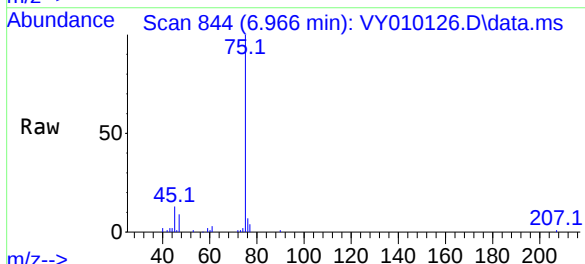
Acq: 20 Aug 2022 01:15

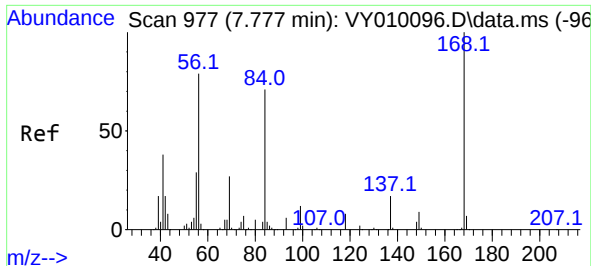
Tgt Ion: 77 Resp: 1643

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#

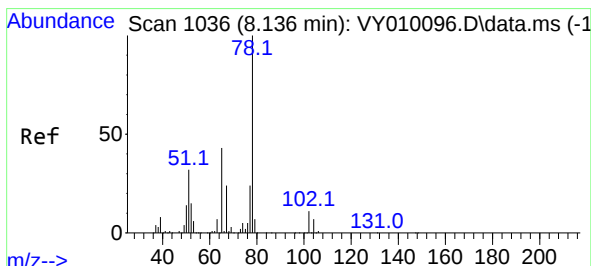
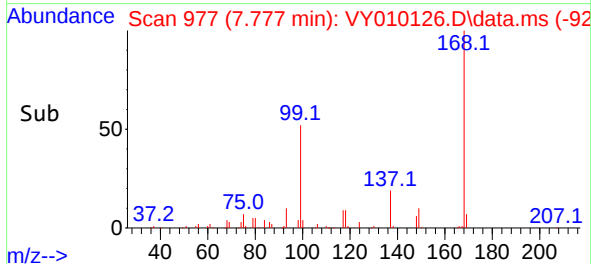
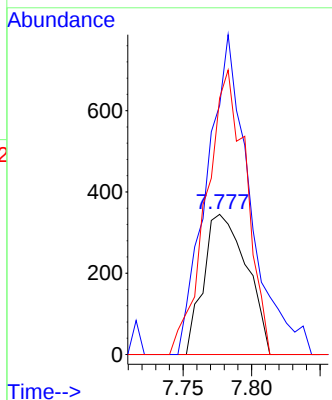
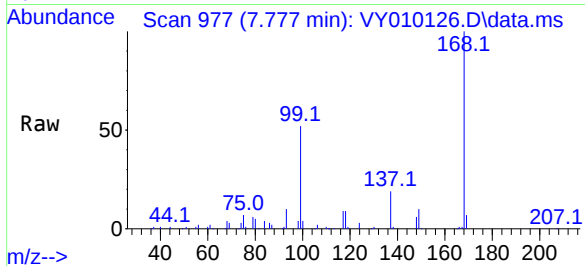




#31
Cyclohexane
Concen: 1.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

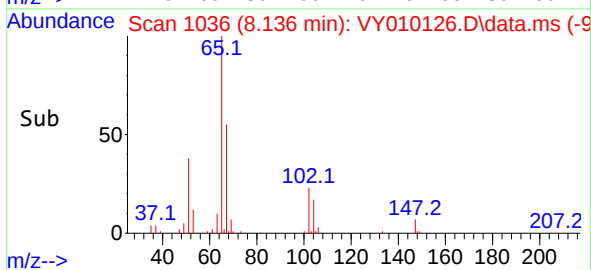
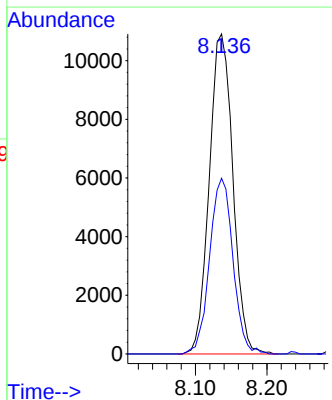
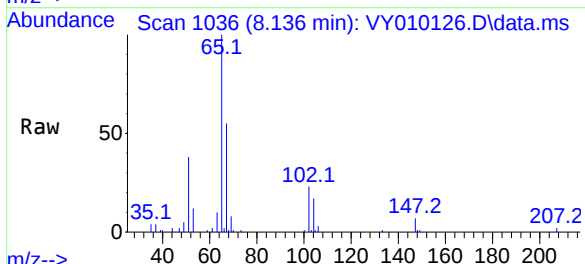
Instrument :
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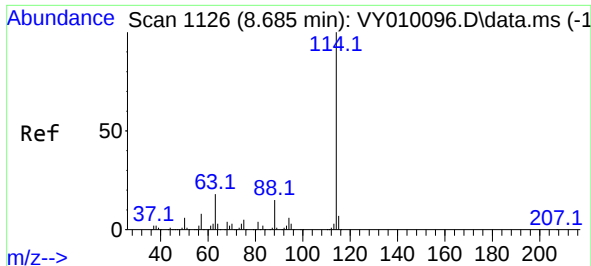
Tgt Ion: 56 Resp: 756
Ion Ratio Lower Upper
56 100
69 177.7 27.3 40.9#
84 182.9 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 67.855 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

Tgt Ion: 65 Resp: 25034
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010126.D

Acq: 20 Aug 2022 01:15

Instrument :

MSVOA_Y

ClientSampleId :

PX-4

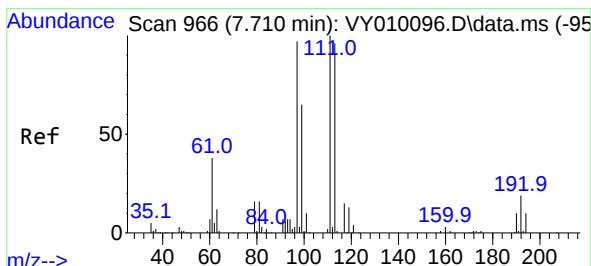
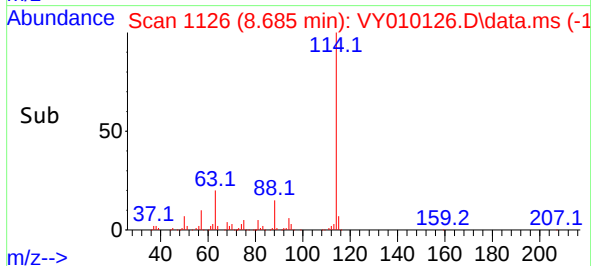
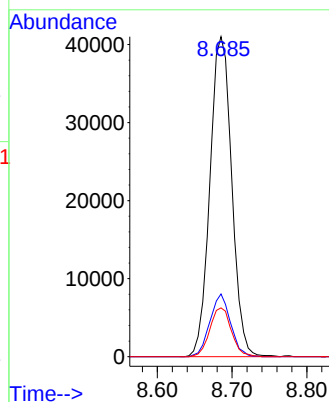
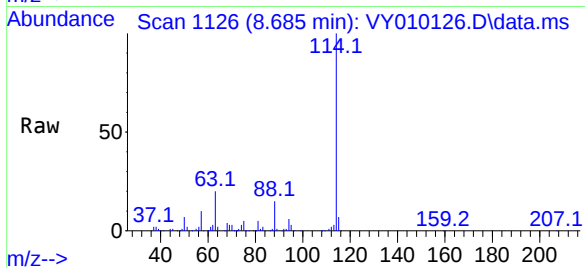
Tgt Ion:114 Resp: 83168

Ion Ratio Lower Upper

114 100

63 19.6 0.0 35.6

88 15.3 0.0 29.6



#35

Dibromofluoromethane

Concen: 52.734 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010126.D

Acq: 20 Aug 2022 01:15

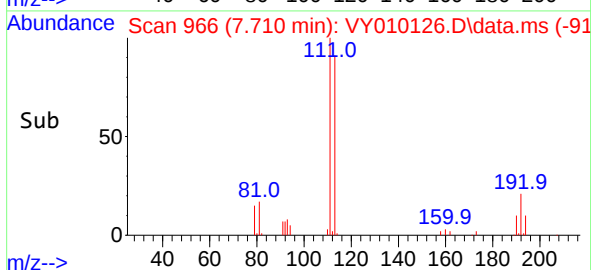
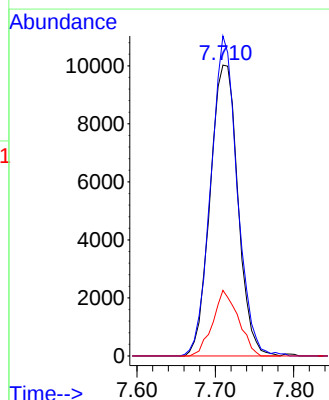
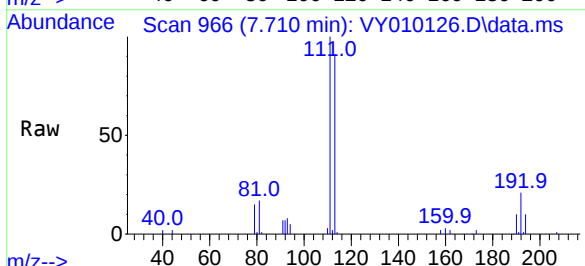
Tgt Ion:113 Resp: 24713

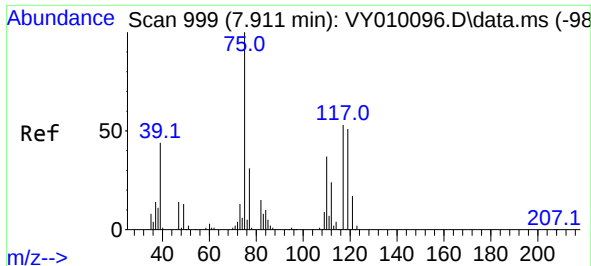
Ion Ratio Lower Upper

113 100

111 104.7 82.8 124.2

192 20.7 16.3 24.5





#36

1,1-Dichloropropene

Concen: 4.285 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010126.D

Acq: 20 Aug 2022 01:15

Instrument :

MSVOA_Y

ClientSampleId :

PX-4

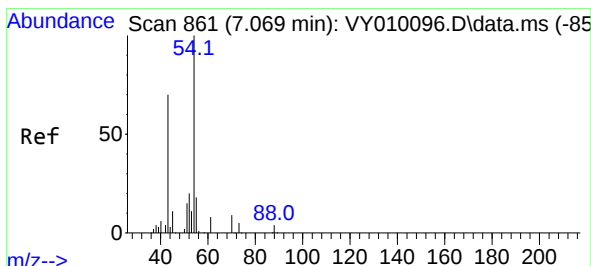
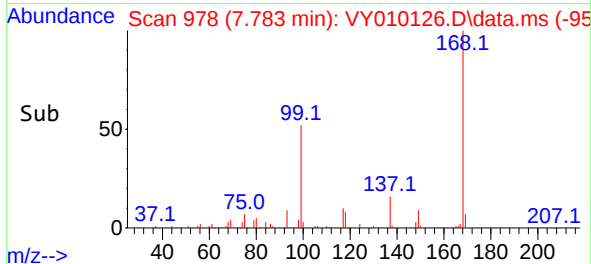
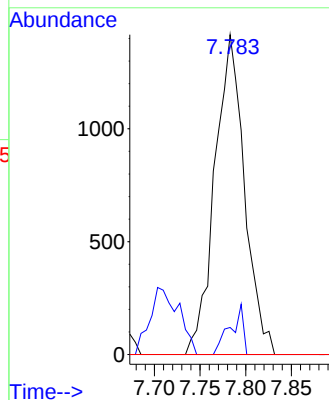
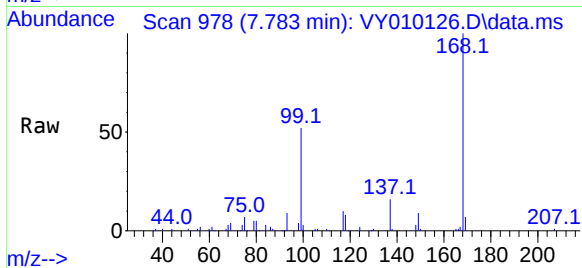
Tgt Ion: 75 Resp: 3205

Ion Ratio Lower Upper

75 100

110 6.9 18.6 56.0#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 3.049 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.097 min

Lab File: VY010126.D

Acq: 20 Aug 2022 01:15

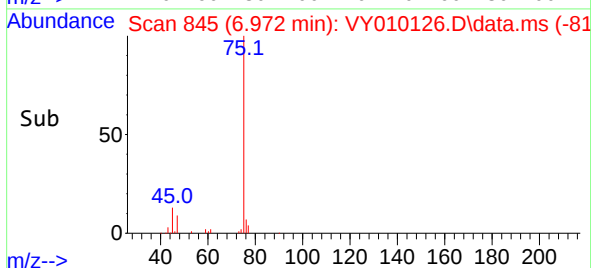
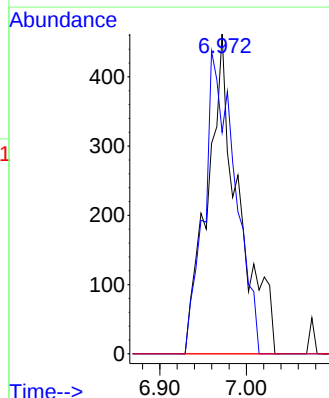
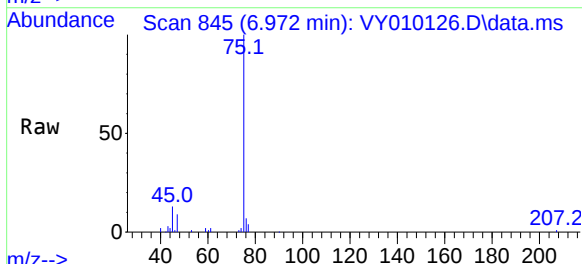
Tgt Ion: 43 Resp: 1158

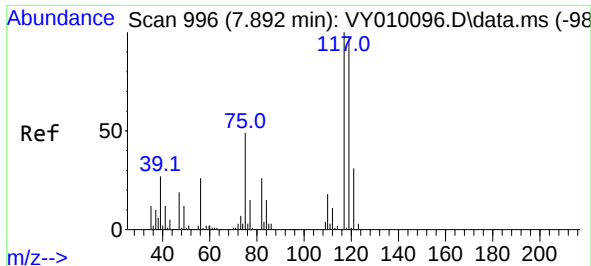
Ion Ratio Lower Upper

43 100

61 93.6 11.7 17.5#

70 0.0 9.0 13.4#

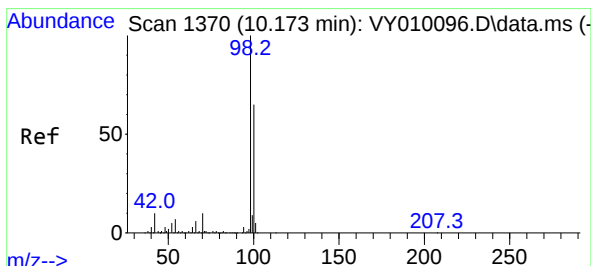
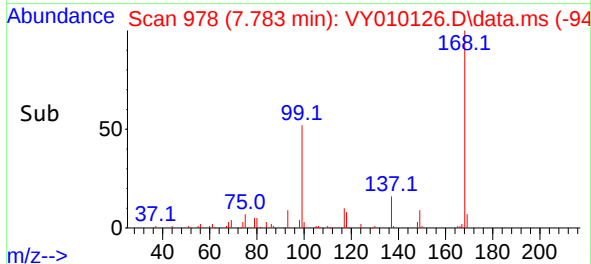
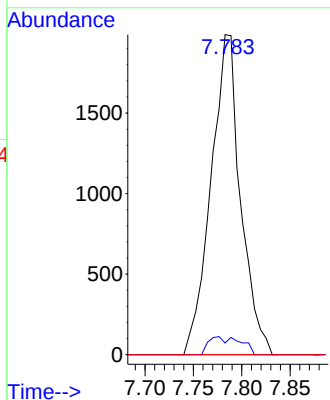
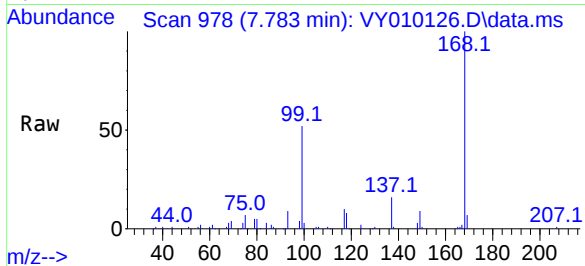




#38
Carbon Tetrachloride
Concen: 5.392 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

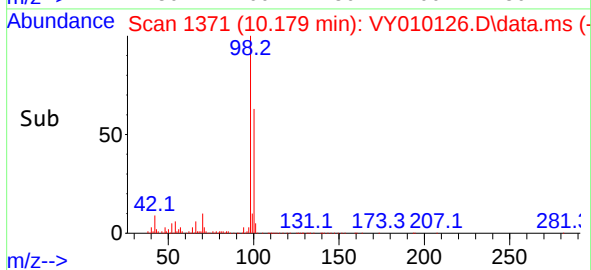
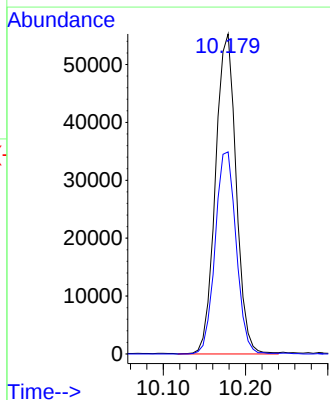
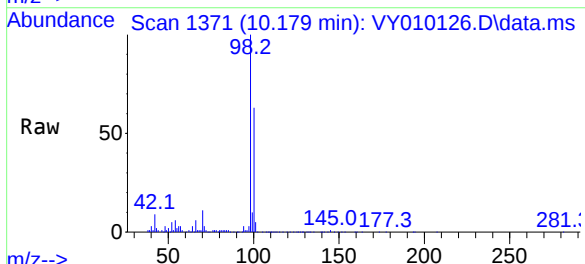
Instrument :
MSVOA_Y
ClientSampleId :
PX-4

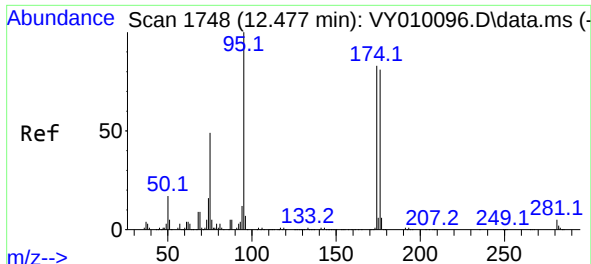
Tgt Ion:117 Resp: 4230
Ion Ratio Lower Upper
117 100
119 3.6 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 55.036 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

Tgt Ion: 98 Resp: 96644
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

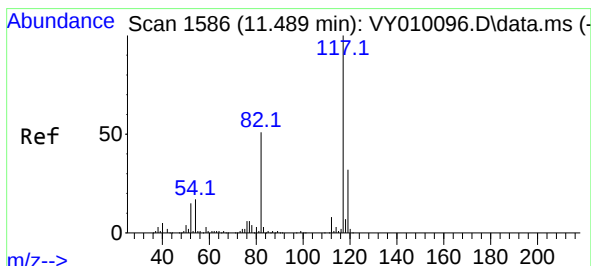
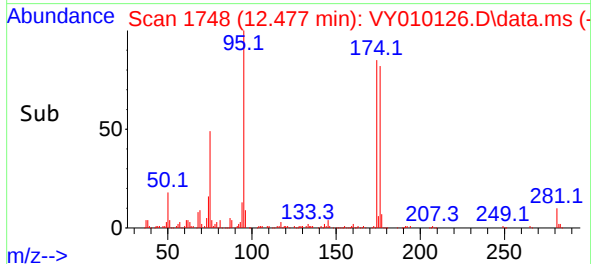
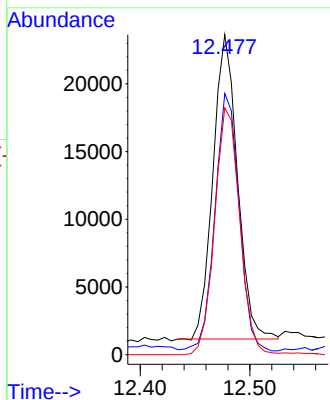
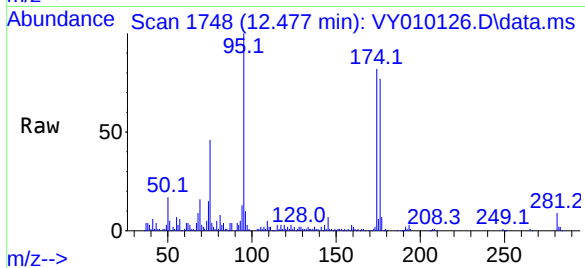




#62
4-Bromofluorobenzene
Concen: 55.461 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

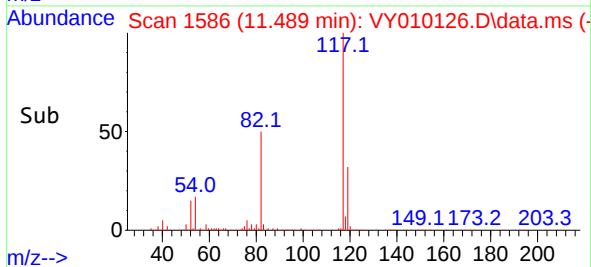
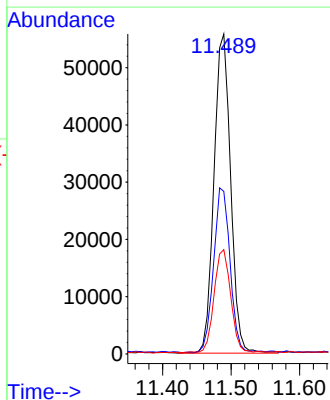
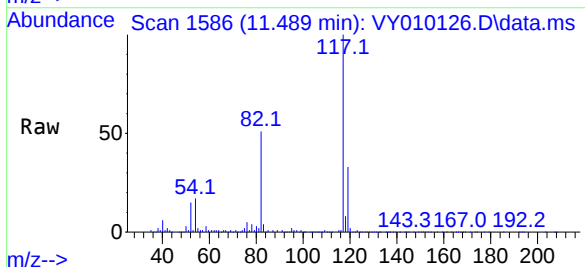
Instrument :
MSVOA_Y
ClientSampleId :
PX-4

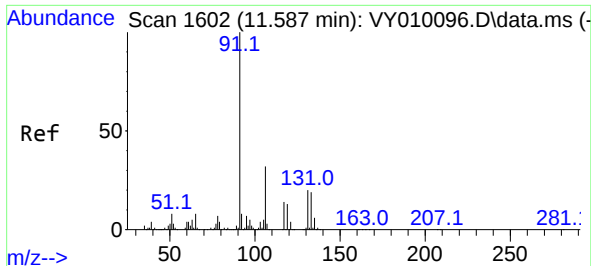
Tgt Ion: 95 Resp: 34797
Ion Ratio Lower Upper
95 100
174 83.7 0.0 173.8
176 83.1 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

Tgt Ion: 117 Resp: 93659
Ion Ratio Lower Upper
117 100
82 50.3 40.6 61.0
119 32.2 25.8 38.8

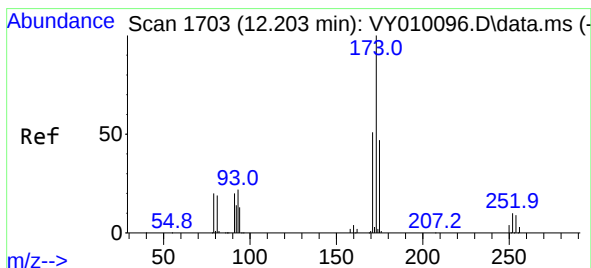
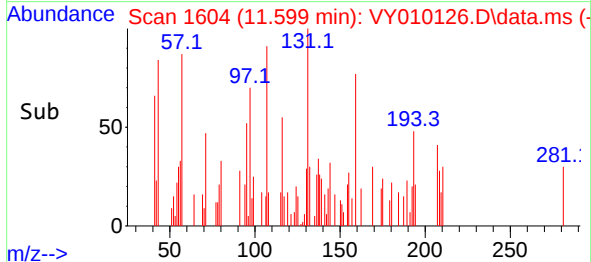
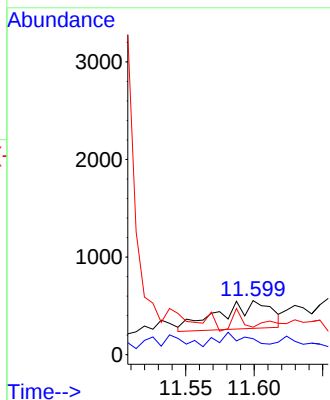
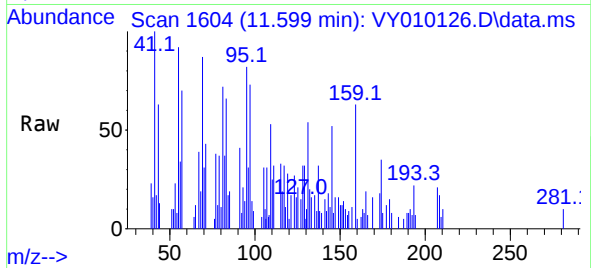




#66
1,1,1,2-Tetrachloroethane
Concen: 1.100 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.012 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

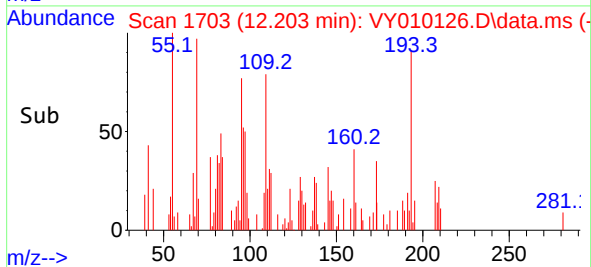
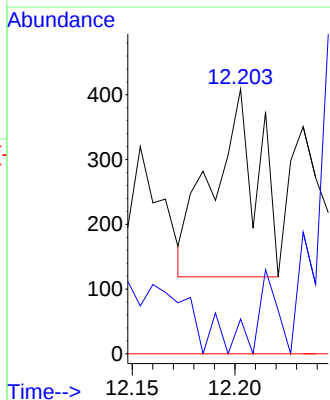
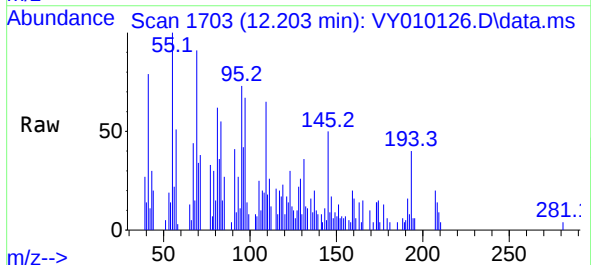
Instrument :
MSVOA_Y
ClientSampleId :
PX-4

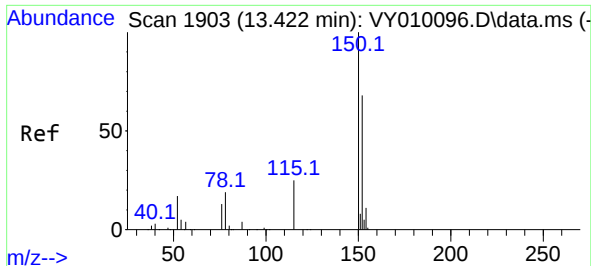
Tgt Ion:131 Resp: 766
Ion Ratio Lower Upper
131 100
133 27.5 47.4 142.3#
119 0.0 33.0 98.9#



#71
Bromoform
Concen: 1.041 ug/l
RT: 12.203 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

Tgt Ion:173 Resp: 446
Ion Ratio Lower Upper
173 100
175 20.6 24.3 73.0#
254 0.0 0.1 0.1#

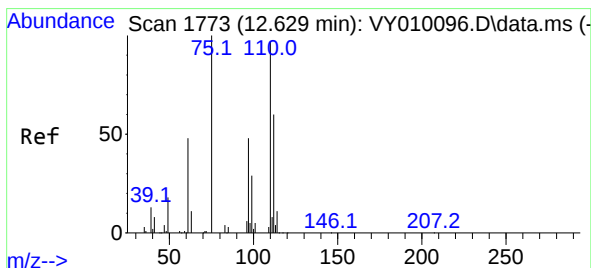
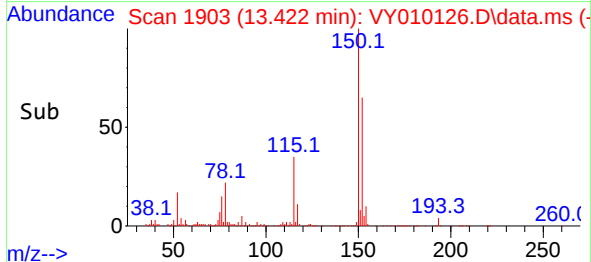
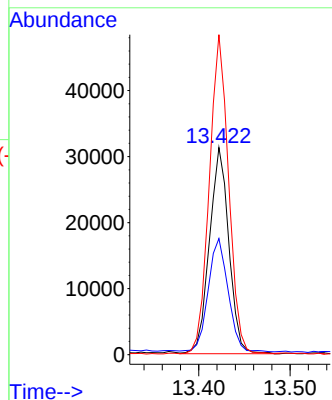
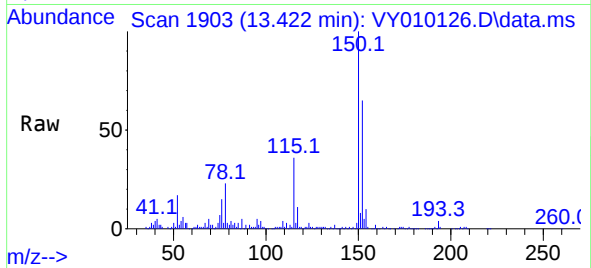




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010126.D
 Acq: 20 Aug 2022 01:15

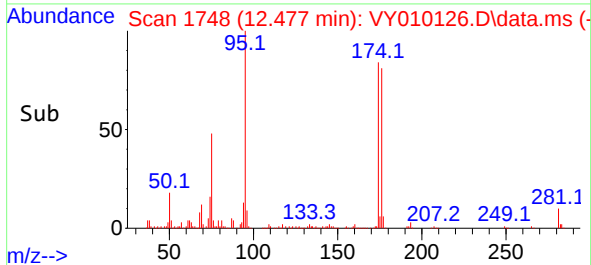
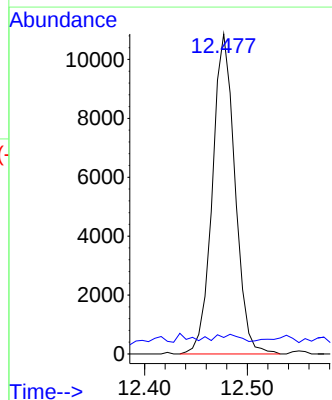
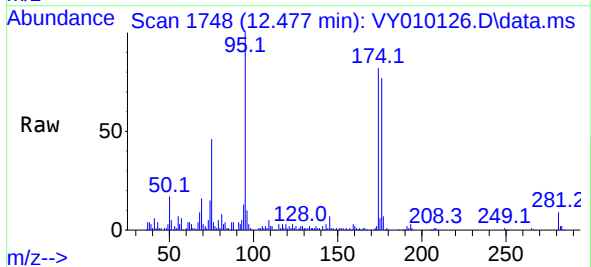
Instrument :
 MSVOA_Y
 ClientSampleId :
 PX-4

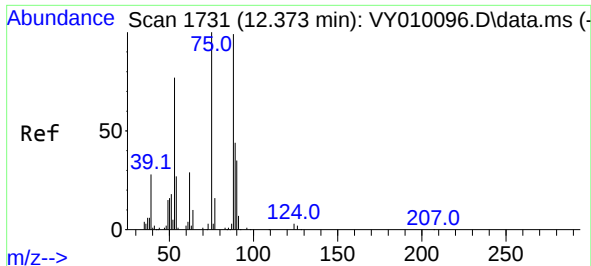
Tgt Ion:152 Resp: 46124
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.1 84.2
 150 153.4 0.0 346.2



#76
 1,2,3-Trichloropropane
 Concen: 38.350 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY010126.D
 Acq: 20 Aug 2022 01:15

Tgt Ion: 75 Resp: 16566
 Ion Ratio Lower Upper
 75 100
 77 2.6 0.0 0.0#

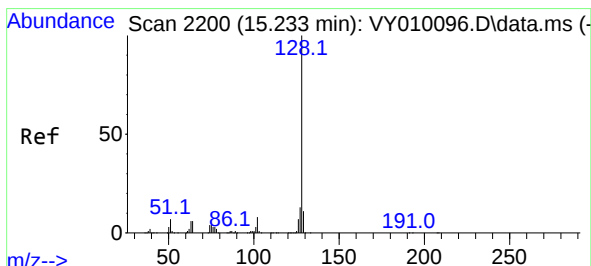
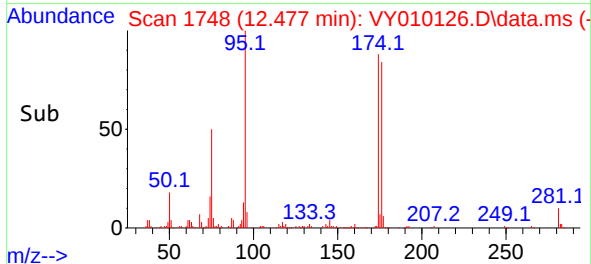
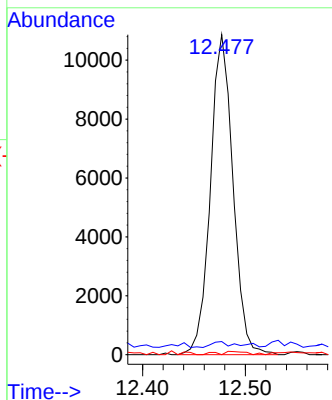
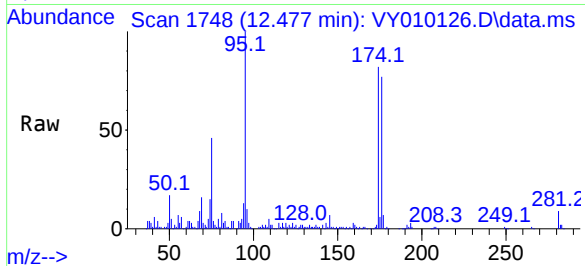




#81
trans-1,4-Dichloro-2-butene
Concen: 77.027 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

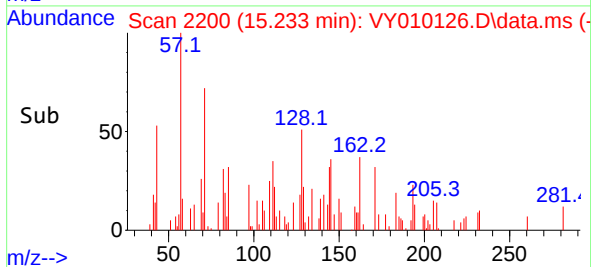
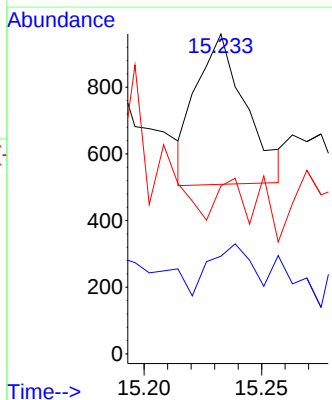
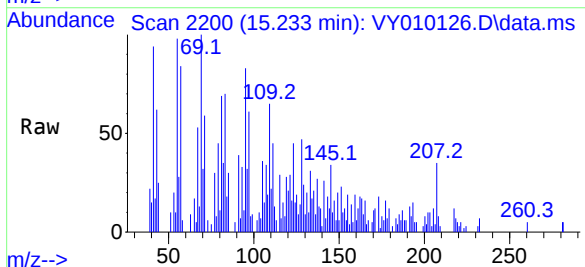
Instrument :
MSVOA_Y
ClientSampleId :
PX-4

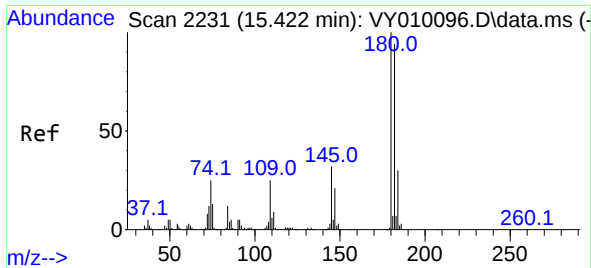
Tgt Ion: 75 Resp: 16566
Ion Ratio Lower Upper
75 100
53 1.6 62.6 94.0#
89 0.9 36.8 55.2#



#95
Naphthalene
Concen: 4.236 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010126.D
Acq: 20 Aug 2022 01:15

Tgt Ion: 128 Resp: 657
Ion Ratio Lower Upper
128 100
127 28.6 10.2 15.2#
129 33.9 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.261 ug/l
 RT: 15.403 min Scan# 21
 Delta R.T. -0.019 min
 Lab File: VY010126.D
 Acq: 20 Aug 2022 01:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 PX-4

Tgt Ion:180 Resp: 879
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.0 141.2#
 145 73.7 16.0 47.9#

