

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010660.D
 Acq On : 23 Sep 2022 19:40
 Operator : KP/MD
 Sample : N4780-11
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-2

Quant Time: Sep 24 01:24:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

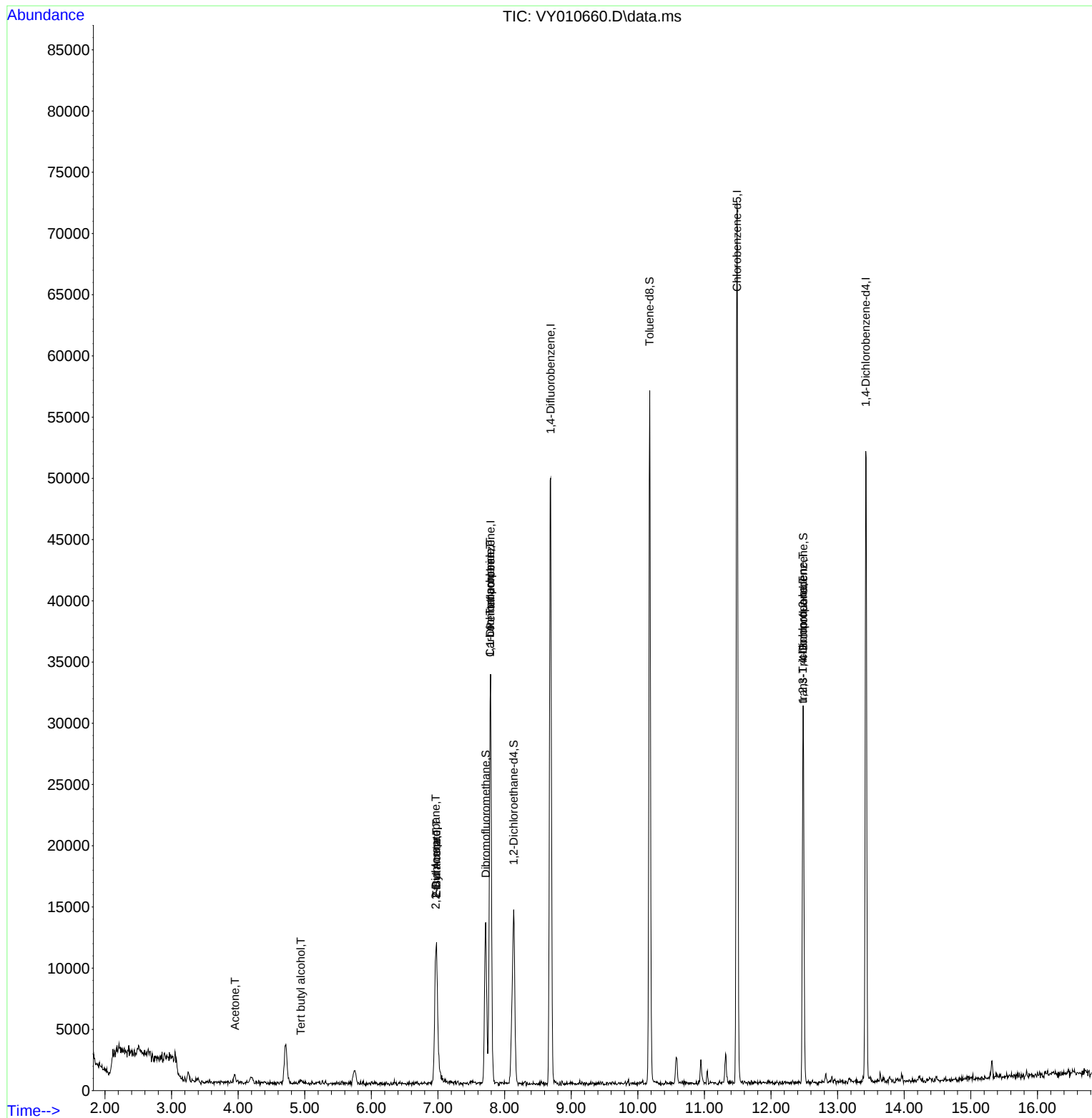
Internal Standards						
1) Pentafluorobenzene	7.789	168	25351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	44499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	40823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	13870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9713	40.058	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.120%
35) Dibromofluoromethane	7.716	113	9346	32.909	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	65.820%
50) Toluene-d8	10.179	98	36849	36.038	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	72.080%
62) 4-Bromofluorobenzene	12.483	95	8525	20.280	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	40.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	80	Below Cal	#	43
3) Chloromethane	2.113	50	109	Below Cal	#	11
4) Vinyl Chloride	2.308	62	22	Below Cal	#	43
5) Bromomethane	2.668	94	89	Below Cal	#	4
11) Tert butyl alcohol	4.942	59	374	6.357	ug/l #	77
16) Acetone	3.954	43	1213	24.531	ug/l #	82
18) Methyl Acetate	4.216	43	165	Below Cal	#	56
20) Methylene Chloride	4.716	84	2473	Below Cal	#	83
25) 2-Butanone	6.978	43	562	7.266	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	911	2.478	ug/l #	55
31) Cyclohexane	7.795	56	498	Below Cal	#	46
36) 1,1-Dichloropropene	7.783	75	2129	6.728	ug/l #	48
37) Ethyl Acetate	6.978	43	562	3.075	ug/l #	1
38) Carbon Tetrachloride	7.783	117	2513	6.907	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	4597	34.726	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4597	77.211	ug/l #	7

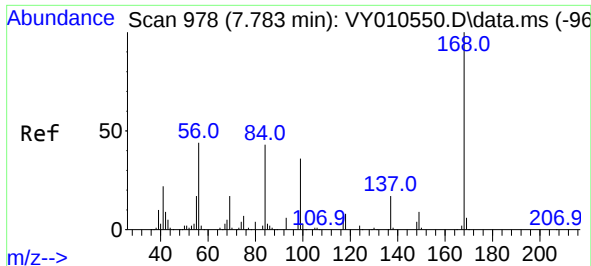
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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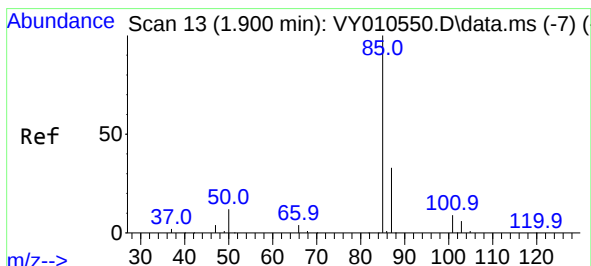
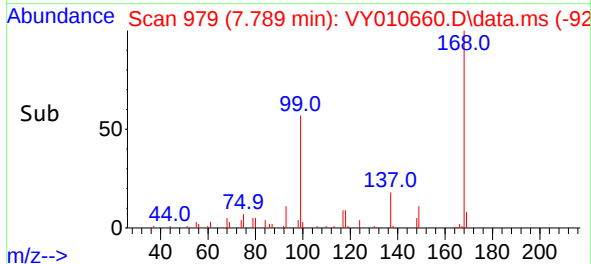
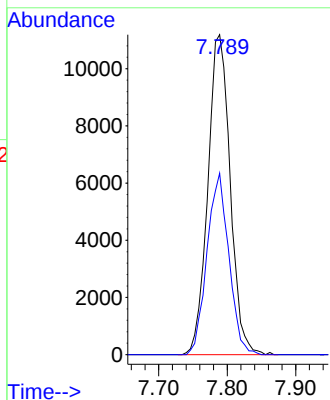
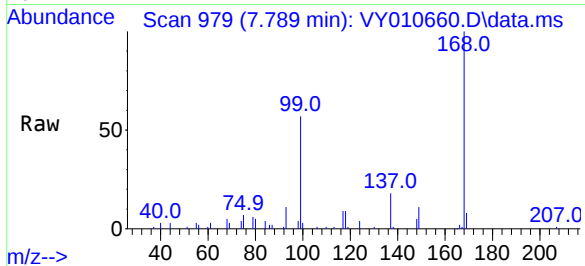




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

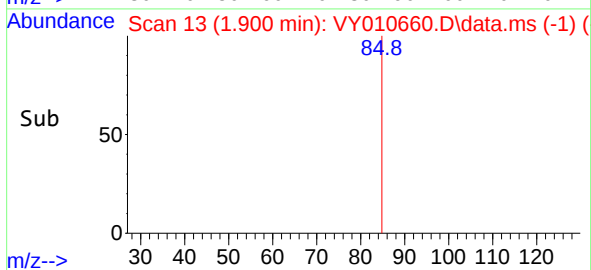
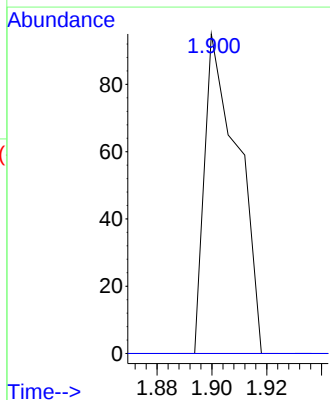
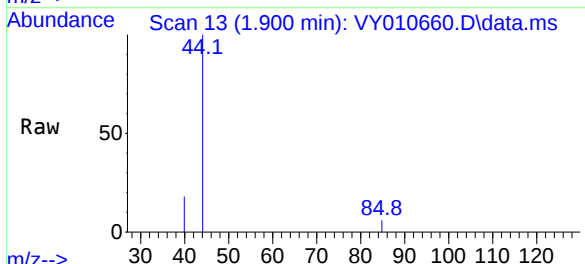
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

Tgt Ion:168 Resp: 25351
Ion Ratio Lower Upper
168 100
99 56.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

Tgt Ion: 85 Resp: 80
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

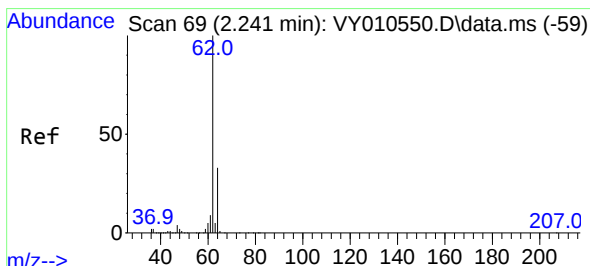
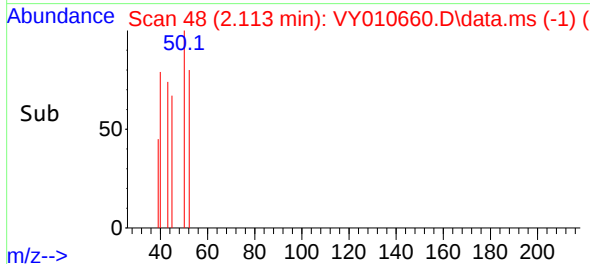
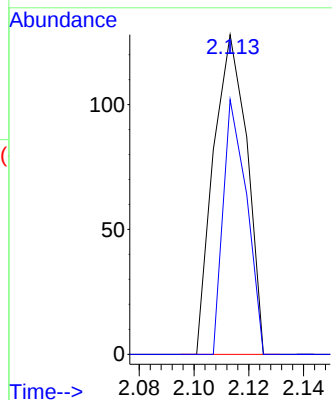
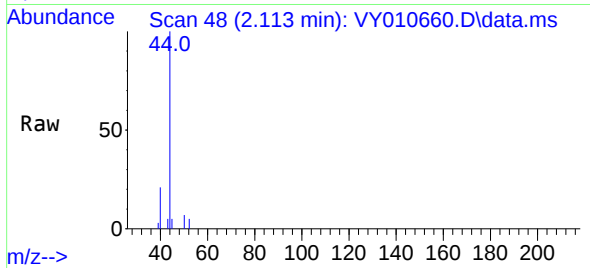




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

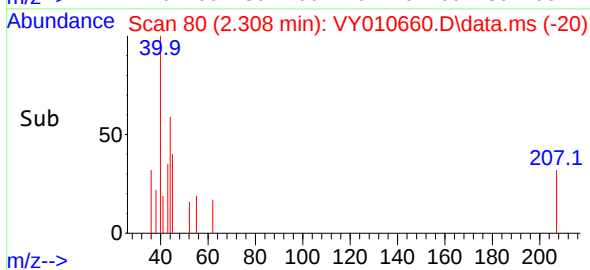
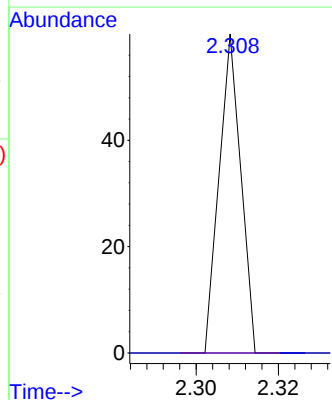
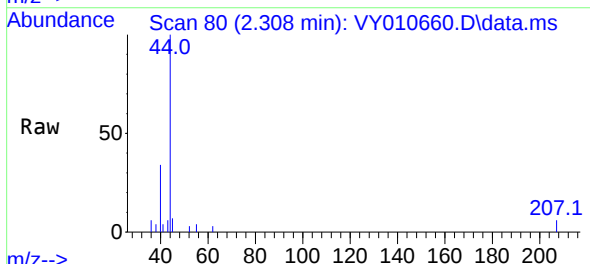
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

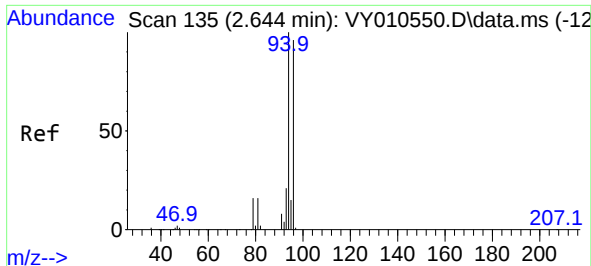
Tgt Ion: 50 Resp: 109
Ion Ratio Lower Upper
50 100
52 79.7 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.308 min Scan# 80
Delta R.T. 0.067 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

Tgt Ion: 62 Resp: 22
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

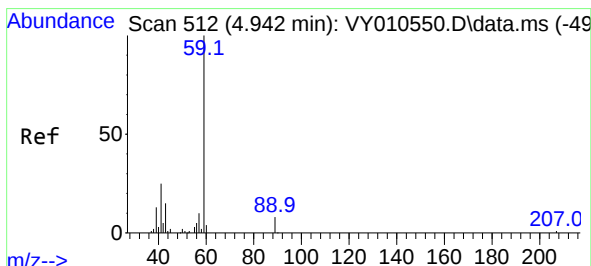
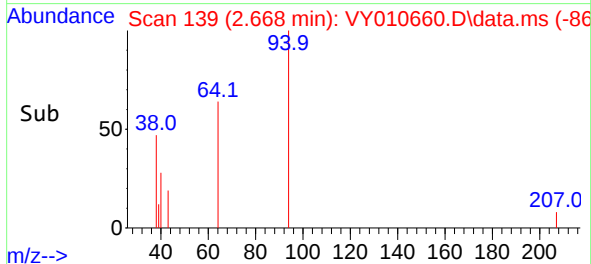
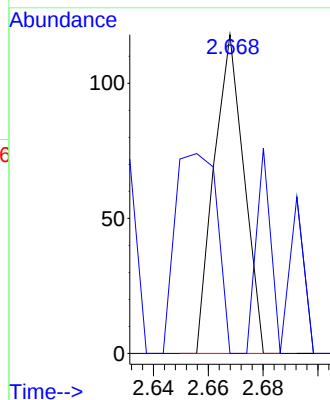
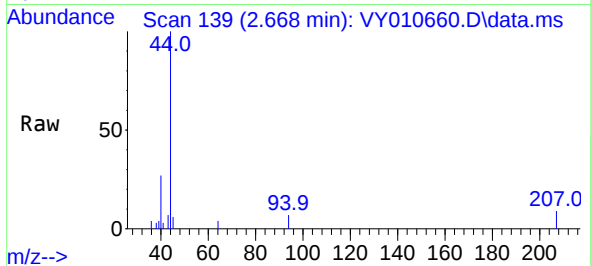




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

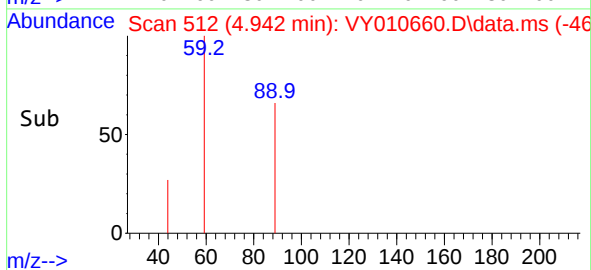
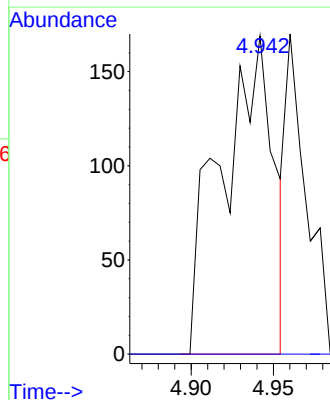
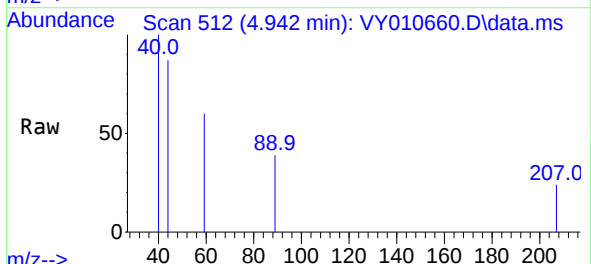
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

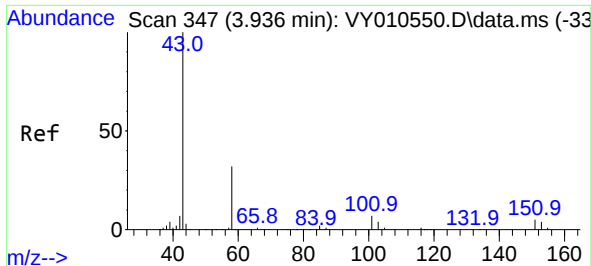
Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: 6.357 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

Tgt Ion: 59 Resp: 374
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

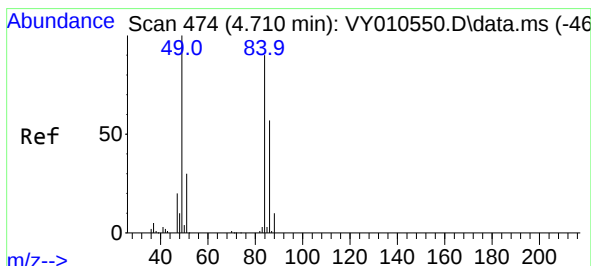
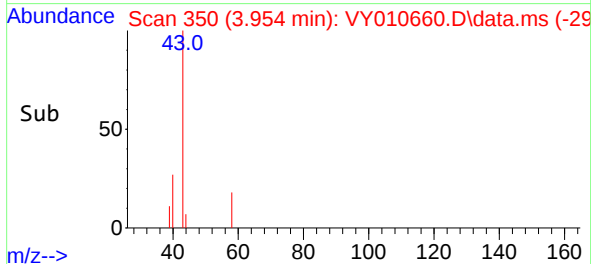
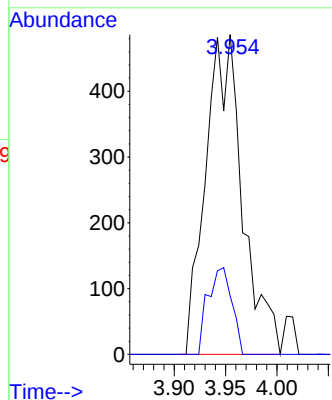
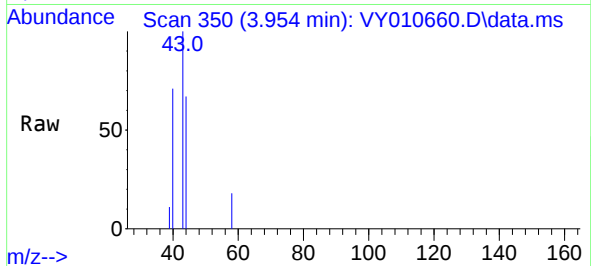




#16
Acetone
Concen: 24.531 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

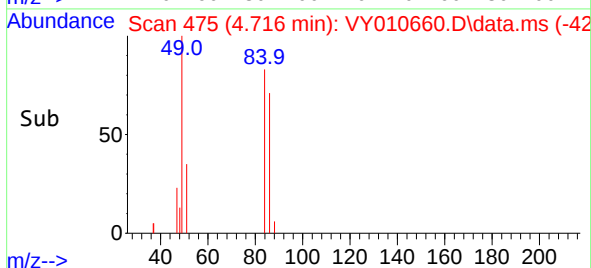
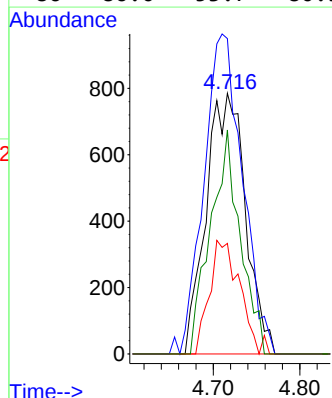
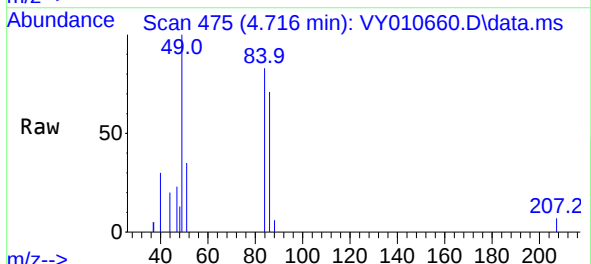
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

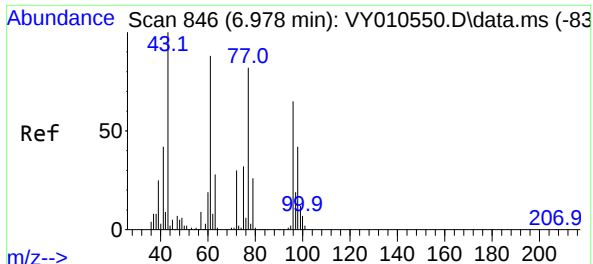
Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
58 18.3 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

Tgt Ion: 84 Resp: 2473
Ion Ratio Lower Upper
84 100
49 121.0 114.4 171.6
51 42.4 35.3 52.9
86 86.0 53.7 80.5#





#25

2-Butanone

Concen: 7.266 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010660.D

Acq: 23 Sep 2022 19:40

Instrument :

MSVOA_Y

ClientSampleId :

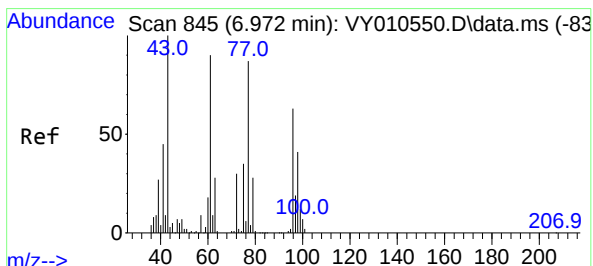
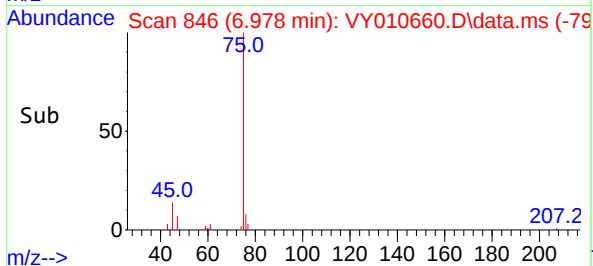
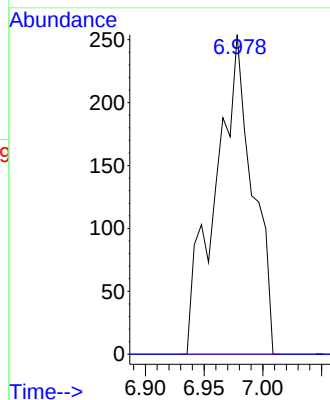
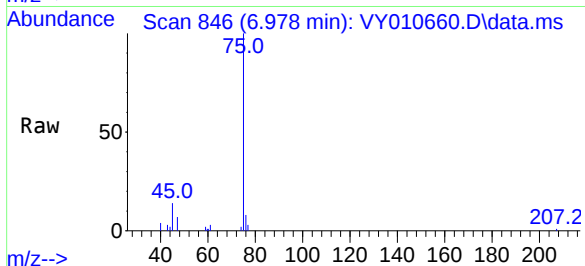
SP-2

Tgt Ion: 43 Resp: 562

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 2.478 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010660.D

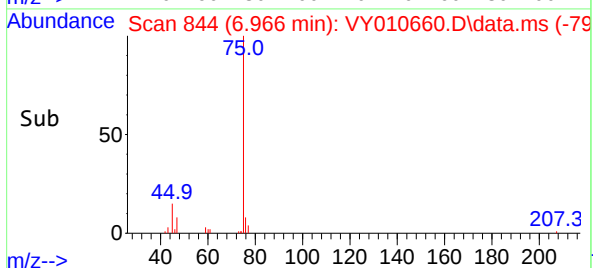
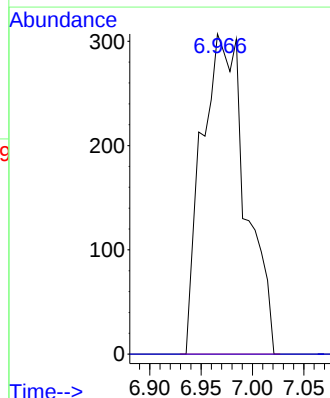
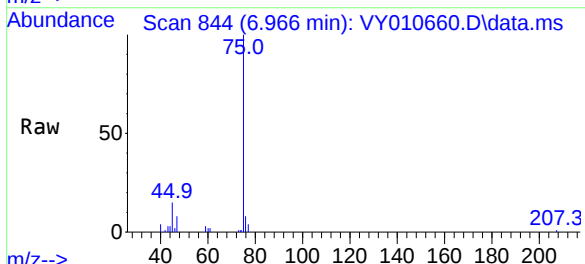
Acq: 23 Sep 2022 19:40

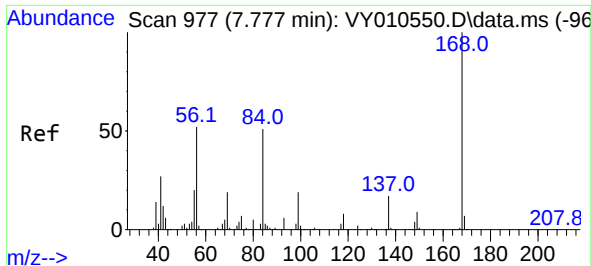
Tgt Ion: 77 Resp: 911

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

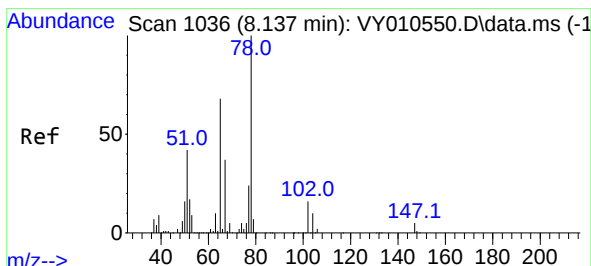
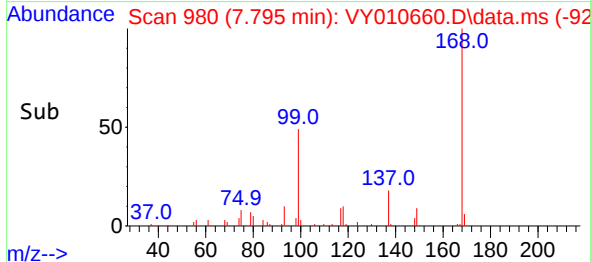
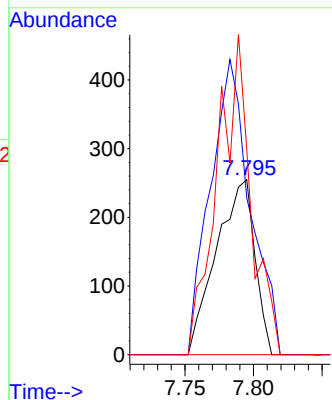
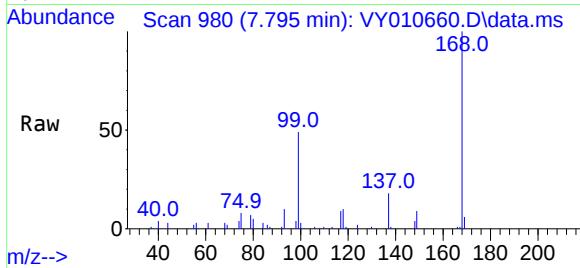




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

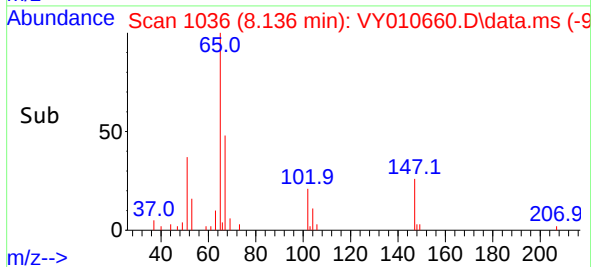
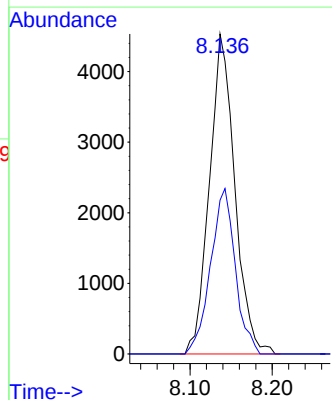
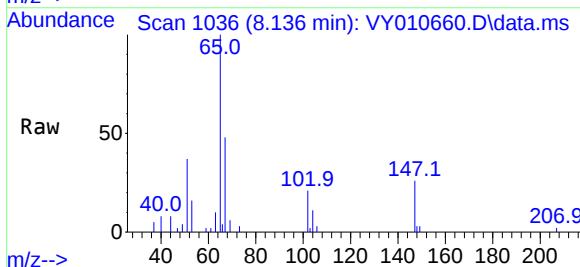
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

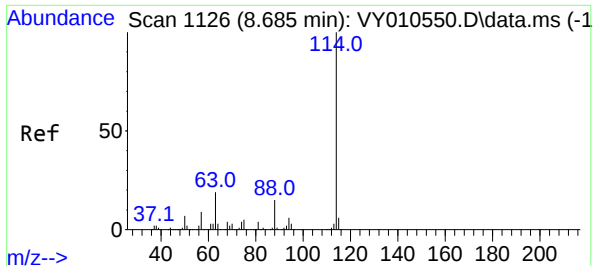
Tgt Ion: 56 Resp: 498
Ion Ratio Lower Upper
56 100
69 89.4 26.7 40.1#
84 117.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 40.058 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

Tgt Ion: 65 Resp: 9713
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010660.D

Acq: 23 Sep 2022 19:40

Instrument :

MSVOA_Y

ClientSampleId :

SP-2

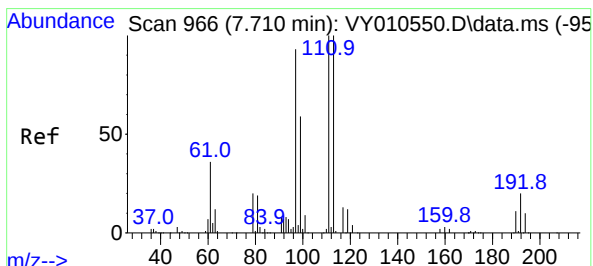
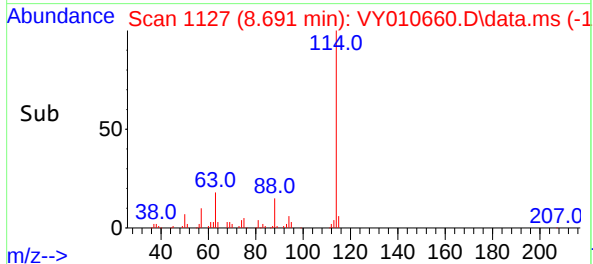
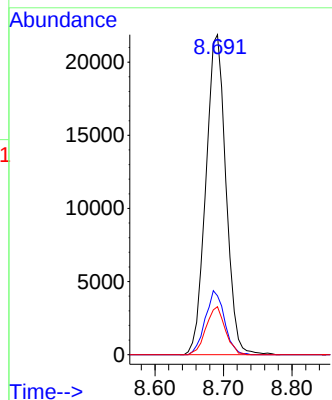
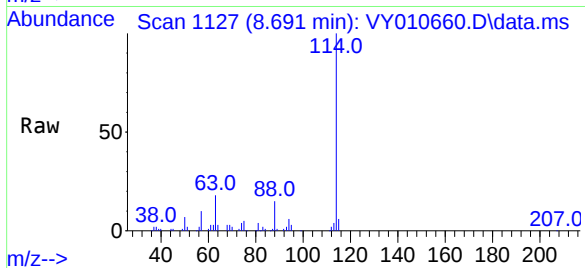
Tgt Ion:114 Resp: 44499

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 32.909 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010660.D

Acq: 23 Sep 2022 19:40

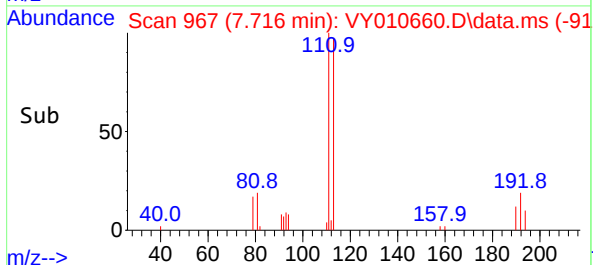
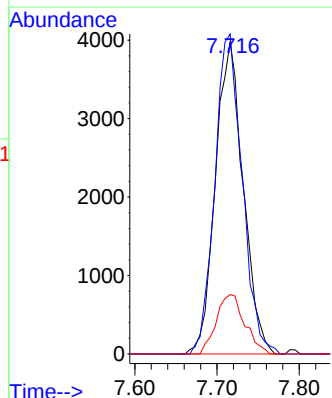
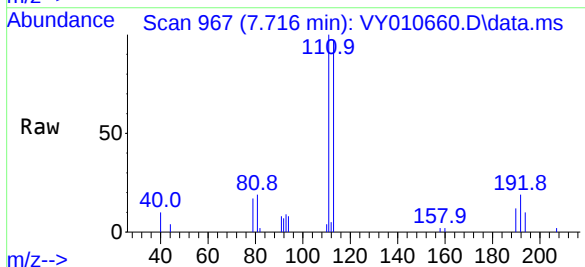
Tgt Ion:113 Resp: 9346

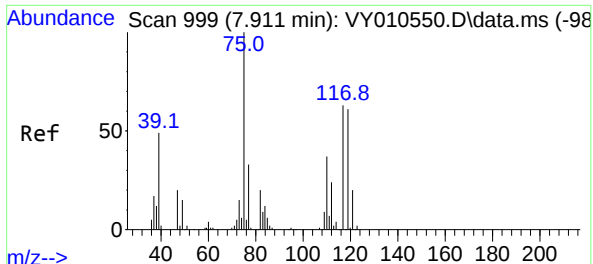
Ion Ratio Lower Upper

113 100

111 101.1 82.6 124.0

192 19.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.728 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010660.D

Acq: 23 Sep 2022 19:40

Instrument :

MSVOA_Y

ClientSampleId :

SP-2

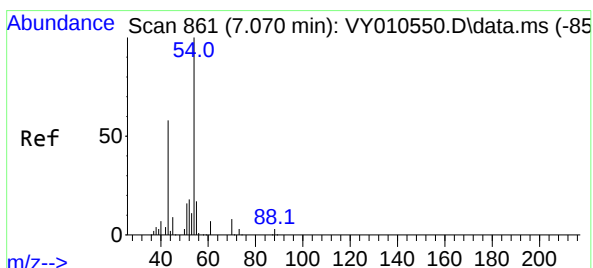
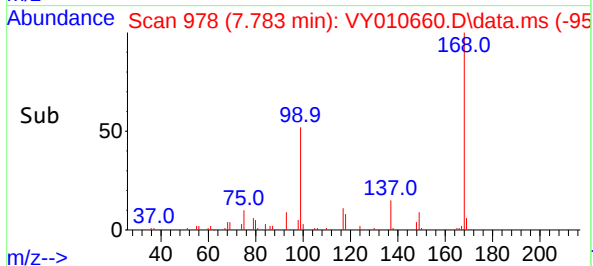
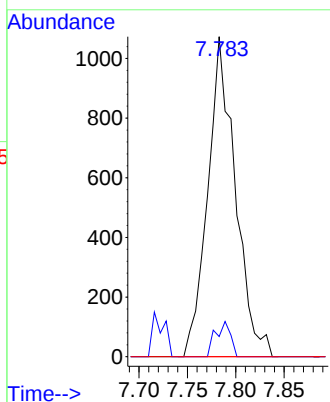
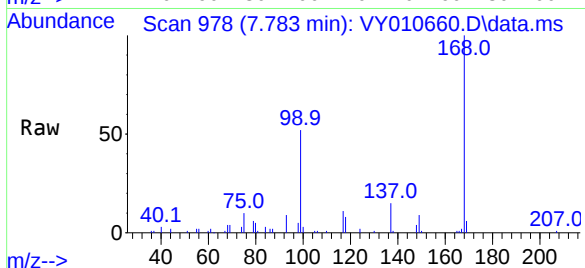
Tgt Ion: 75 Resp: 2129

Ion Ratio Lower Upper

75 100

110 6.0 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.075 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.092 min

Lab File: VY010660.D

Acq: 23 Sep 2022 19:40

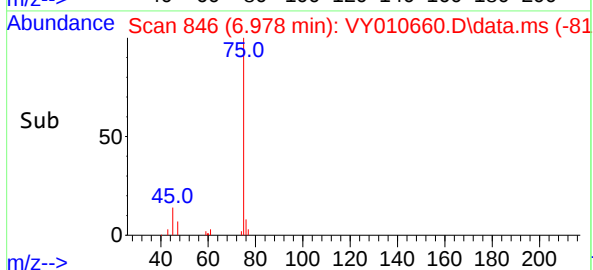
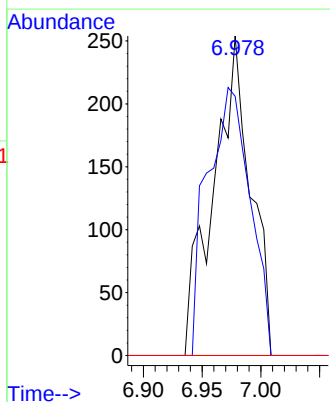
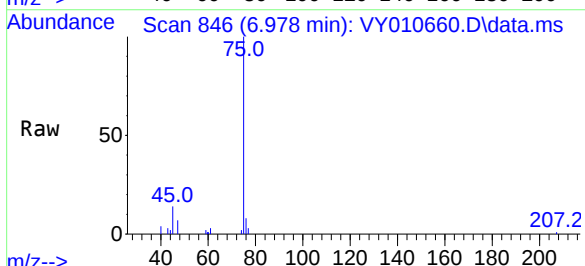
Tgt Ion: 43 Resp: 562

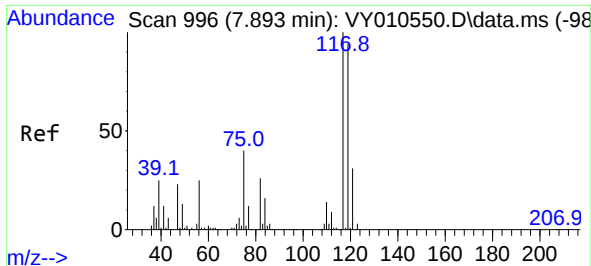
Ion Ratio Lower Upper

43 100

61 95.9 9.7 14.5#

70 0.0 7.1 10.7#

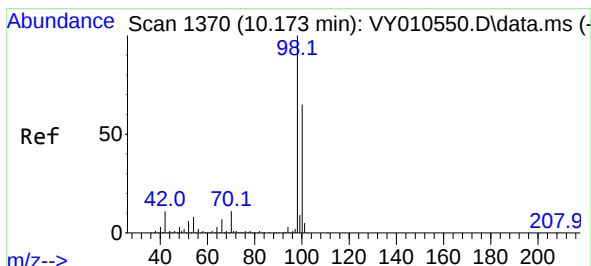
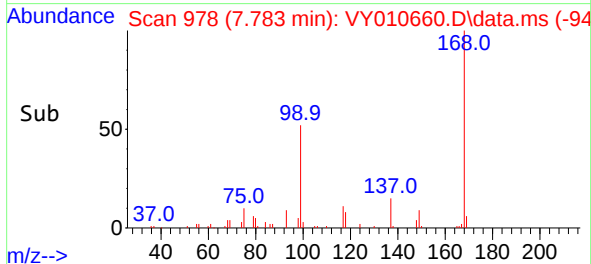
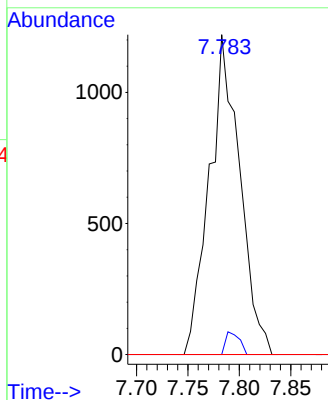
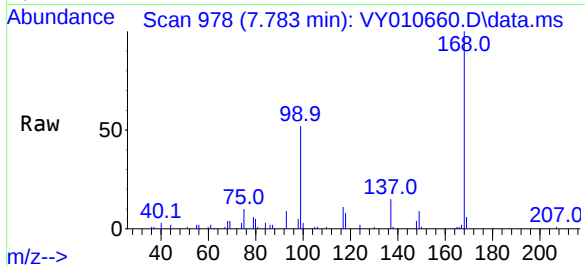




#38
Carbon Tetrachloride
Concen: 6.907 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

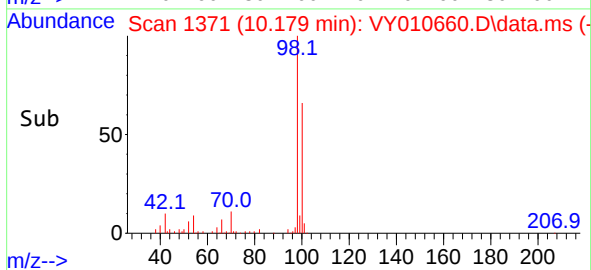
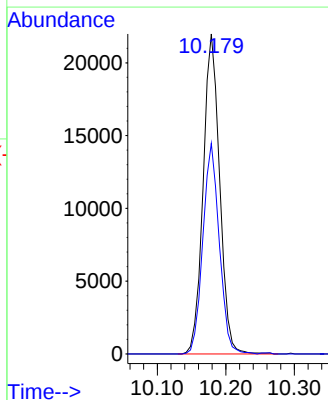
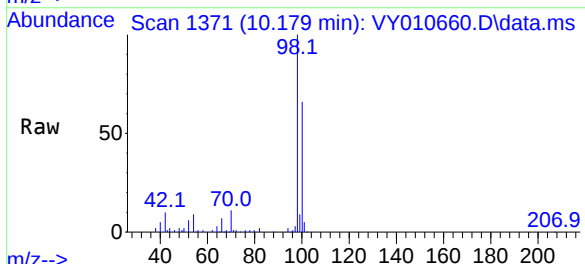
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

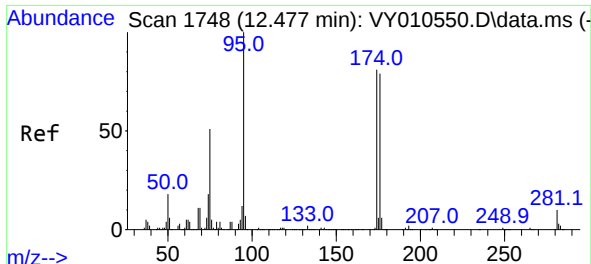
Tgt Ion:117 Resp: 2513
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 36.038 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

Tgt Ion: 98 Resp: 36849
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

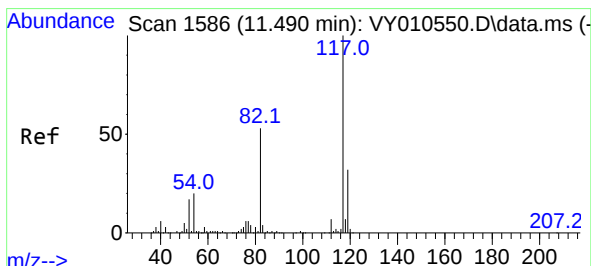
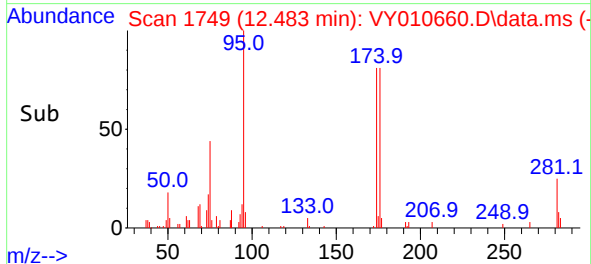
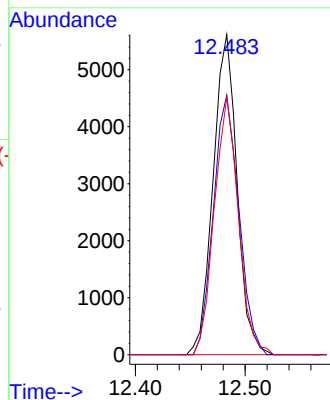
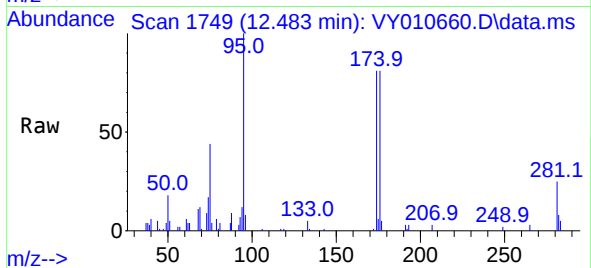




#62
4-Bromofluorobenzene
Concen: 20.280 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

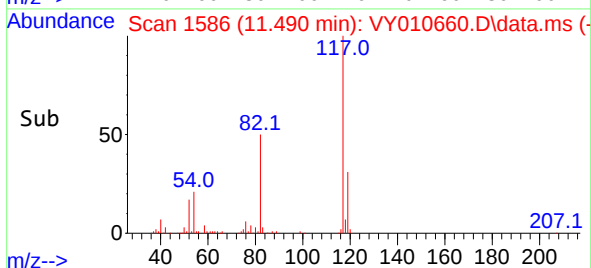
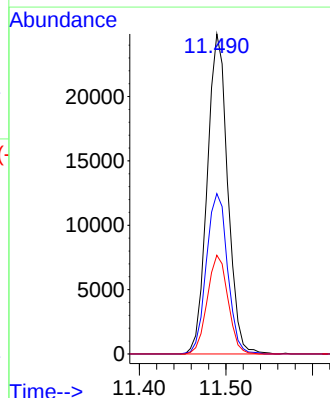
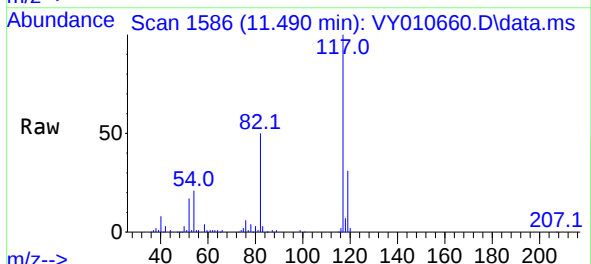
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

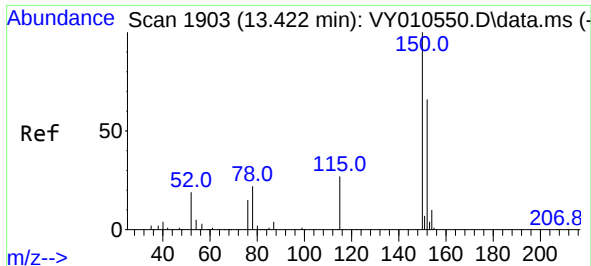
Tgt Ion:	95	Resp:	8525
Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	177.0
176	81.0	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

Tgt Ion:	117	Resp:	40823
Ion	Ratio	Lower	Upper
117	100		
82	50.1	43.0	64.4
119	30.9	25.4	38.0

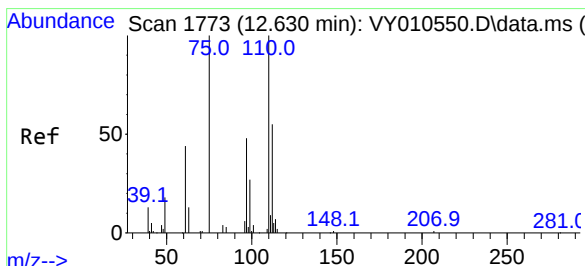
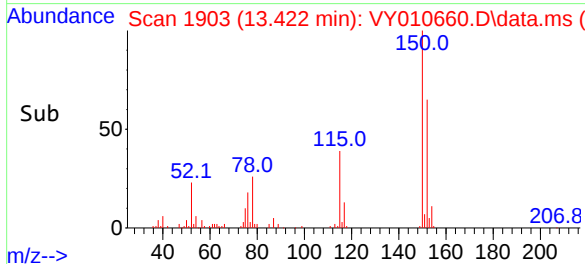
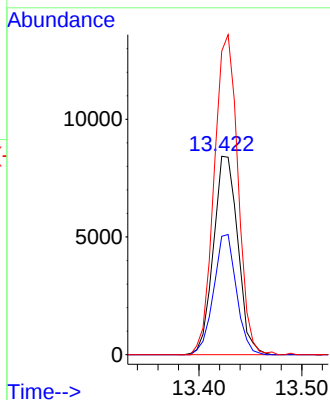
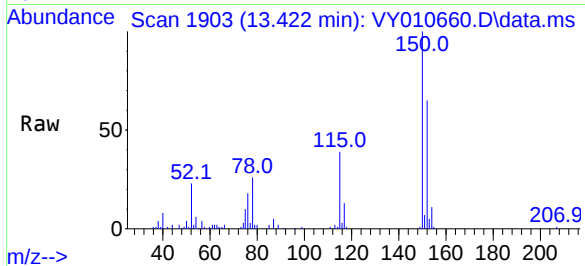




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

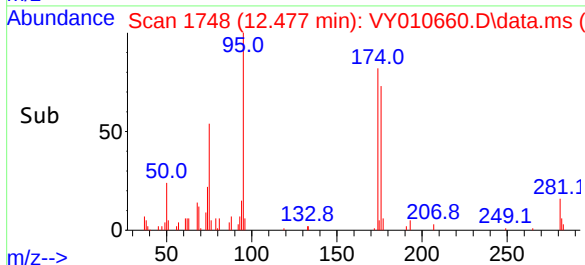
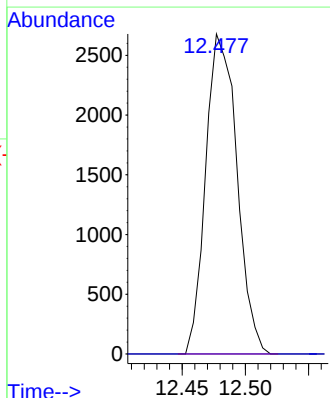
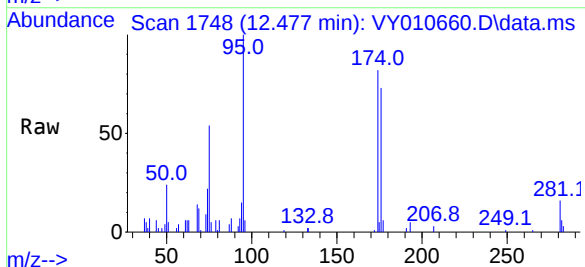
Instrument :
MSVOA_Y
ClientSampleId :
SP-2

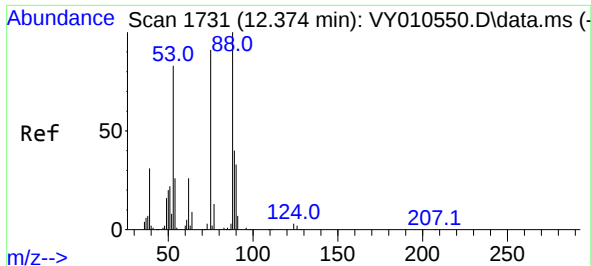
Tgt Ion:152 Resp: 13870
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.7
150 157.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 34.726 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010660.D
Acq: 23 Sep 2022 19:40

Tgt Ion: 75 Resp: 4597
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.211 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010660.D
 Acq: 23 Sep 2022 19:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-2

Tgt Ion: 75 Resp: 4597
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

