

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010107.D
 Acq On : 19 Aug 2022 16:41
 Operator : KP/MD
 Sample : N4228-01RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-03-081622RE

Quant Time: Aug 22 02:42:35 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)

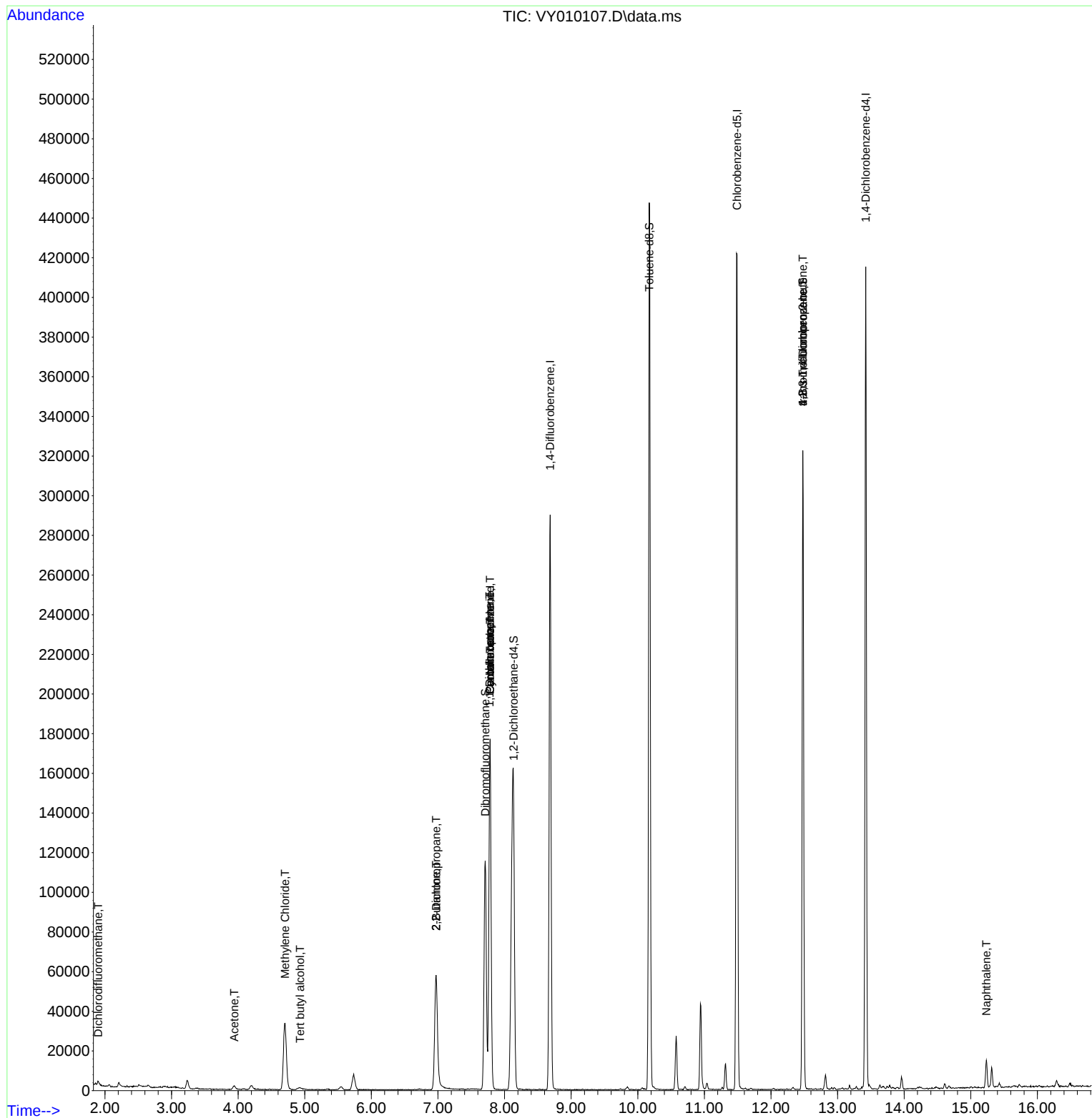
Internal Standards						
1) Pentafluorobenzene	7.783	168	143712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	261109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	250245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	88150	74.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.780%	
35) Dibromofluoromethane	7.710	113	85456	58.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.160%	
50) Toluene-d8	10.173	98	306349	55.568	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.140%	
62) 4-Bromofluorobenzene	12.477	95	97163	49.327	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.660%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	1678	1.567	ug/l	88
11) Tert butyl alcohol	4.930	59	1718	23.944	ug/l #	80
16) Acetone	3.942	43	3562	12.090	ug/l #	88
20) Methylene Chloride	4.704	84	26863	9.487	ug/l	98
25) 2-Butanone	6.972	43	3076	6.491	ug/l #	68
26) 2,2-Dichloropropane	6.972	77	4617	2.080	ug/l #	50
31) Cyclohexane	7.783	56	2433	1.009	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	10211	4.348	ug/l #	48
38) Carbon Tetrachloride	7.783	117	13458	5.464	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	46667	44.521	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46667	89.420	ug/l #	18
95) Naphthalene	15.233	128	12322	6.588	ug/l	98

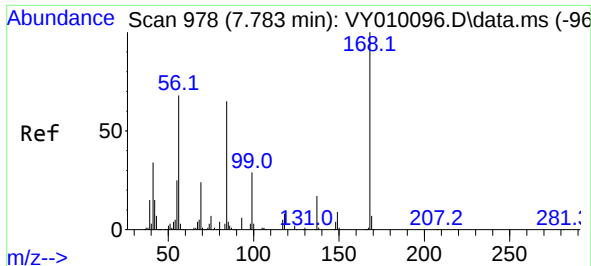
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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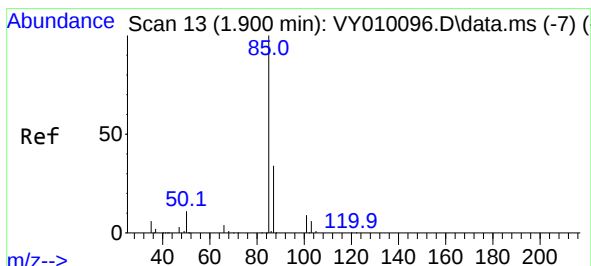
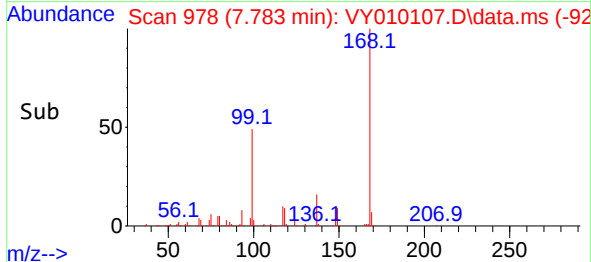
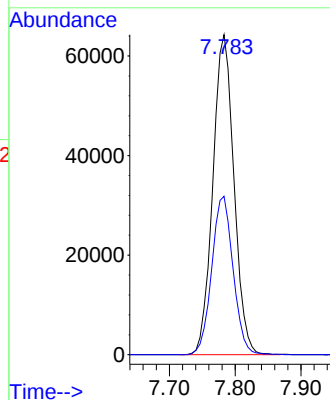
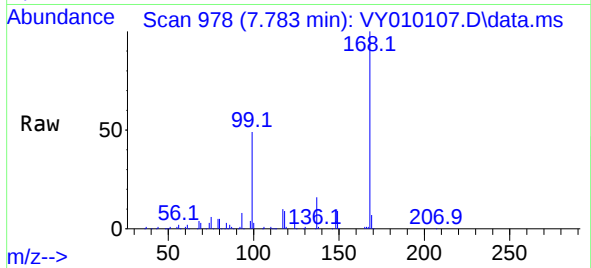




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

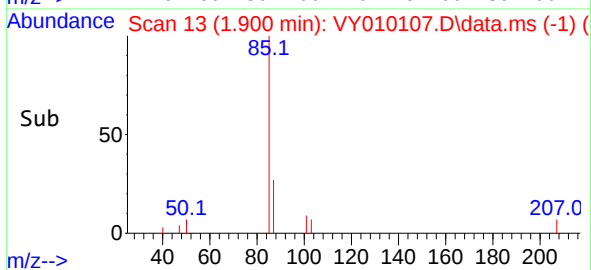
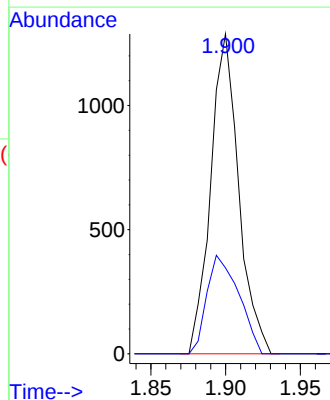
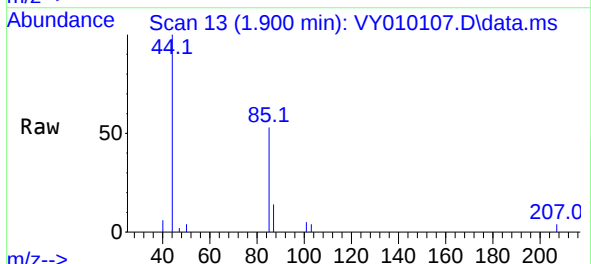
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-081622RE

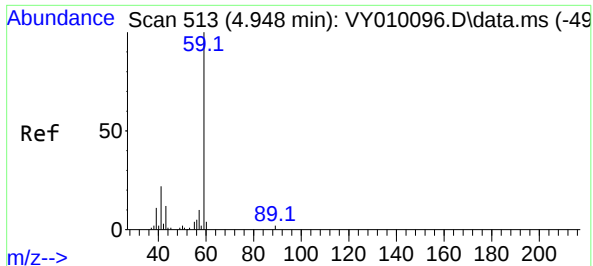
Tgt Ion:168 Resp: 143712
Ion Ratio Lower Upper
168 100
99 49.5 40.7 61.1



#2
Dichlorodifluoromethane
Concen: 1.567 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

Tgt Ion: 85 Resp: 1678
Ion Ratio Lower Upper
85 100
87 26.9 16.8 50.4

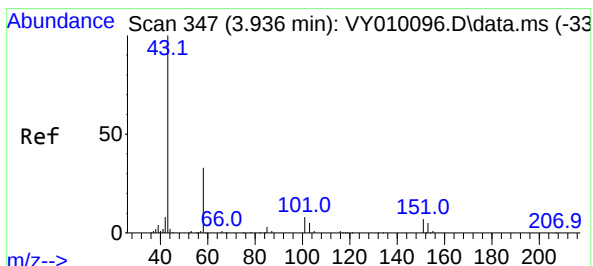
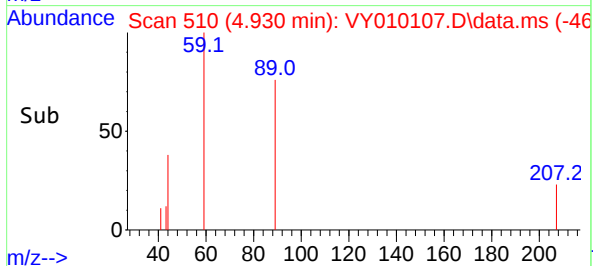
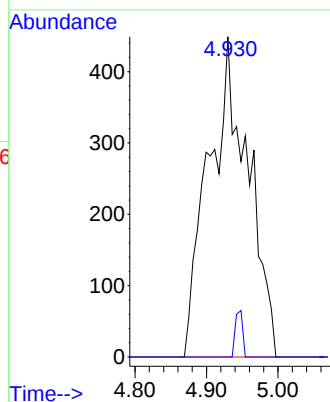
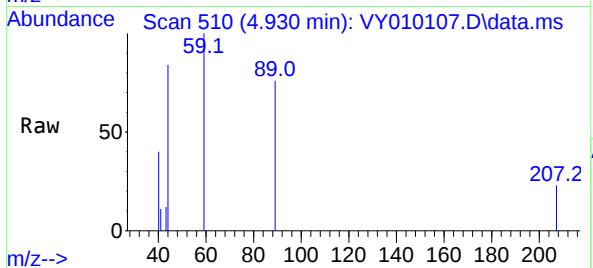




#11
Tert butyl alcohol
Concen: 23.944 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

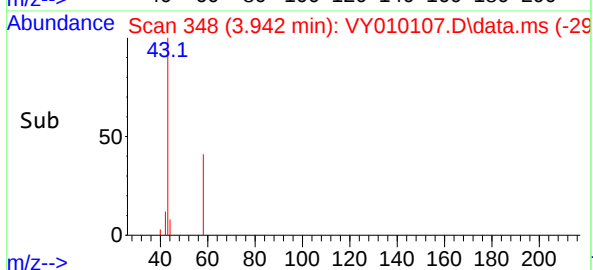
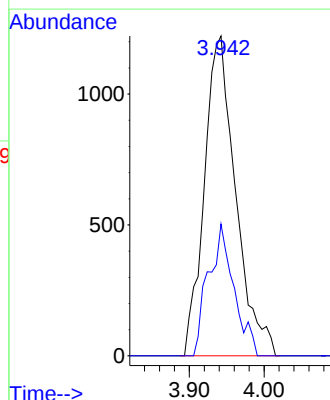
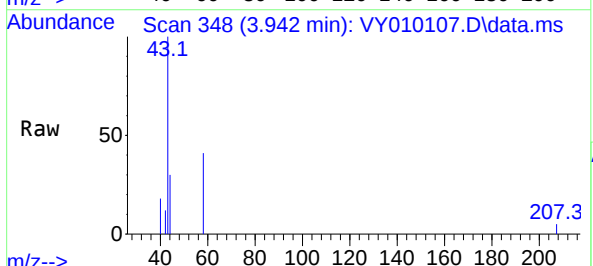
Instrument :
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ClientSampleId :
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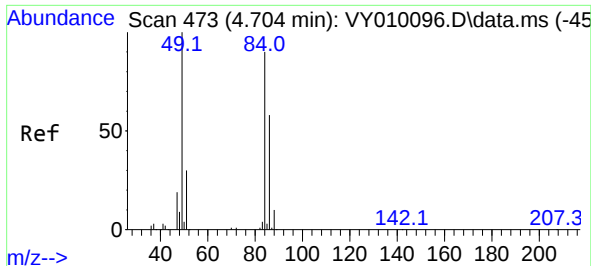
Tgt Ion: 59 Resp: 1718
Ion Ratio Lower Upper
59 100
57 2.7 8.2 12.2#



#16
Acetone
Concen: 12.090 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

Tgt Ion: 43 Resp: 3562
Ion Ratio Lower Upper
43 100
58 41.2 27.4 41.0#

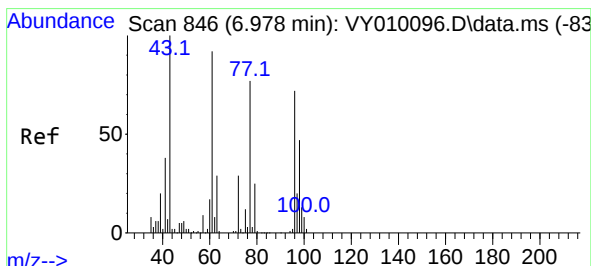
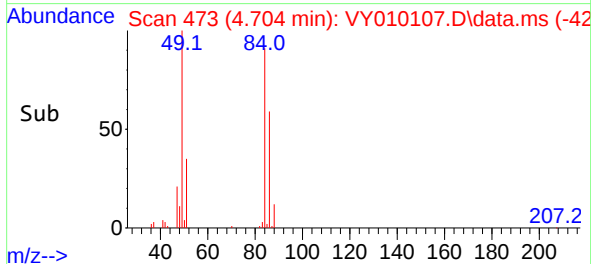
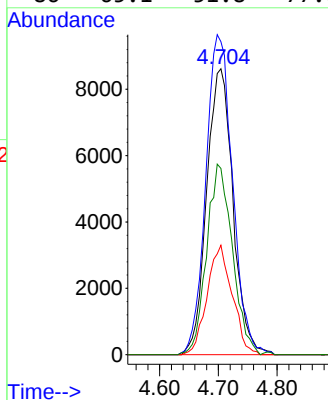
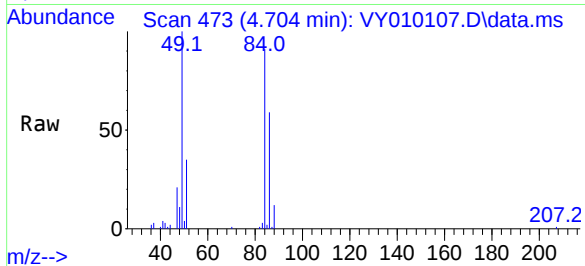




#20
Methylene Chloride
Concen: 9.487 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

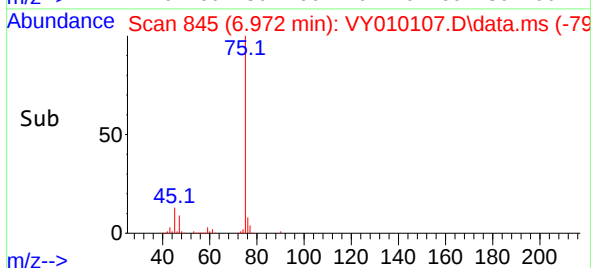
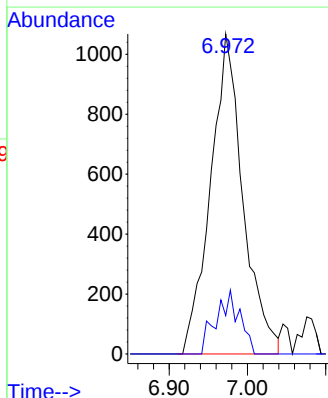
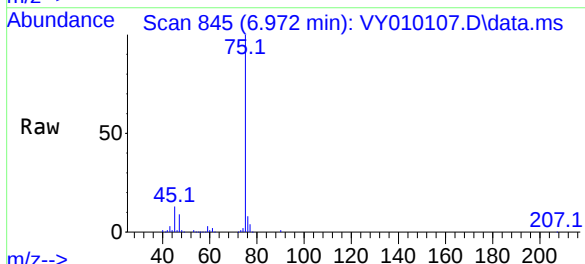
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-081622RE

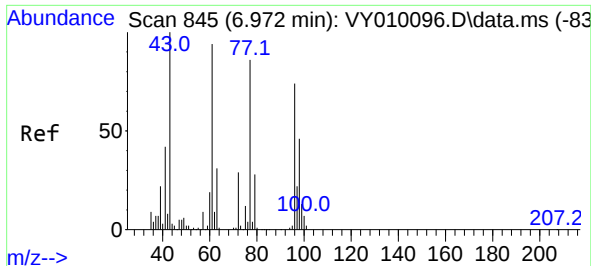
Tgt Ion:	84	Resp:	26863
Ion	Ratio	Lower	Upper
84	100		
49	109.5	89.0	133.4
51	38.3	27.0	40.6
86	65.1	51.8	77.6



#25
2-Butanone
Concen: 6.491 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

Tgt Ion:	43	Resp:	3076
Ion	Ratio	Lower	Upper
43	100		
72	12.0	23.2	34.8#

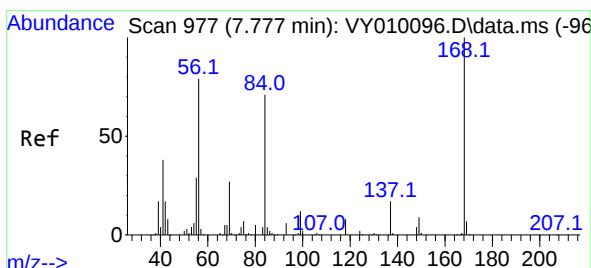
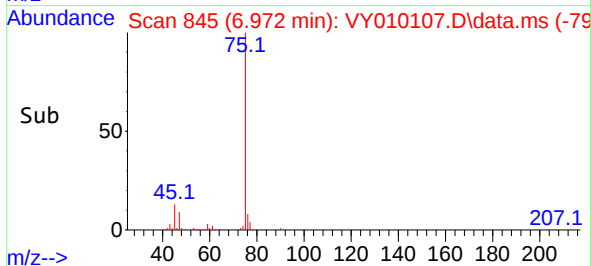
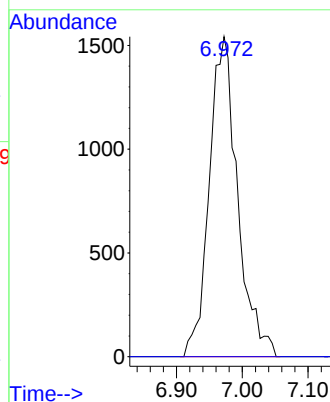
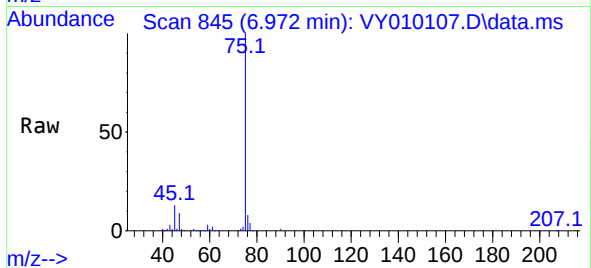




#26
2,2-Dichloropropane
Concen: 2.080 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

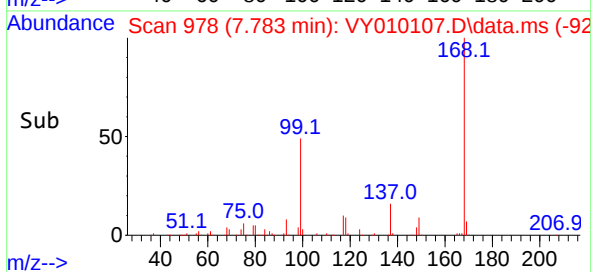
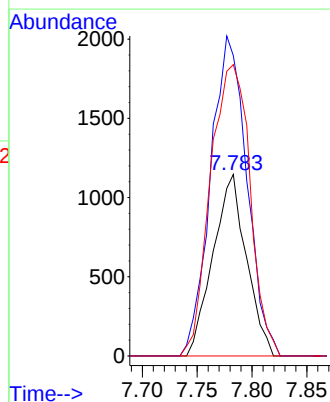
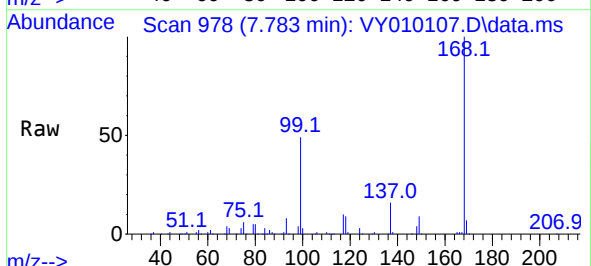
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-081622RE

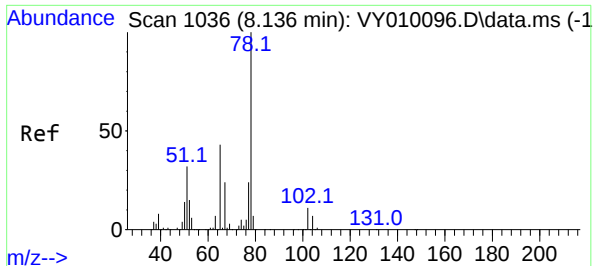
Tgt Ion: 77 Resp: 4617
Ion Ratio Lower Upper
77 100
97 0.0 12.4 37.4#



#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

Tgt Ion: 56 Resp: 2433
Ion Ratio Lower Upper
56 100
69 165.4 27.3 40.9#
84 160.5 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 74.885 ug/l

RT: 8.137 min Scan# 11036

Delta R.T. 0.001 min

Lab File: VY010107.D

Acq: 19 Aug 2022 16:41

Instrument :

MSVOA_Y

ClientSampleId :

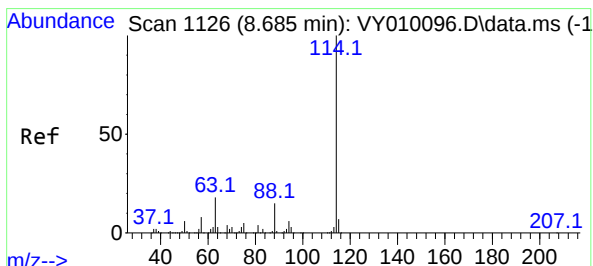
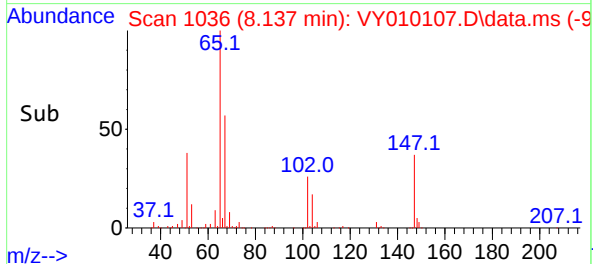
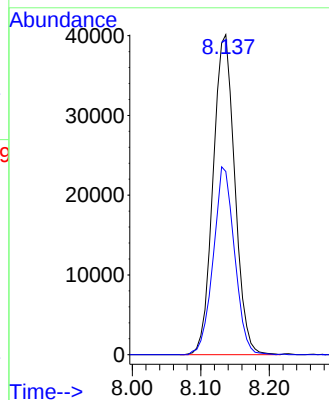
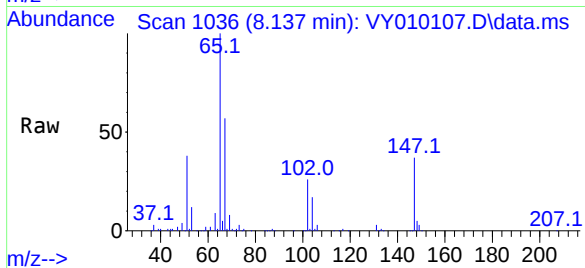
OK-03-081622RE

Tgt Ion: 65 Resp: 88150

Ion Ratio Lower Upper

65 100

67 57.5 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: VY010107.D

Acq: 19 Aug 2022 16:41

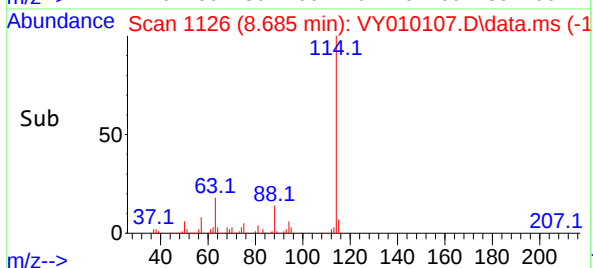
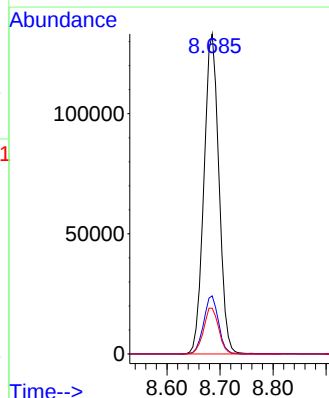
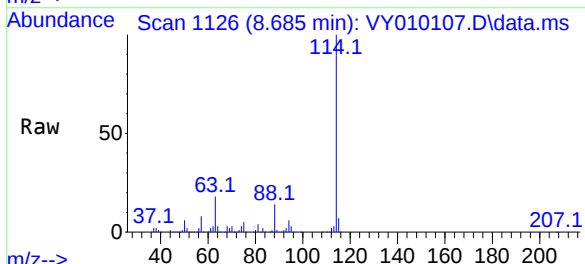
Tgt Ion: 114 Resp: 261109

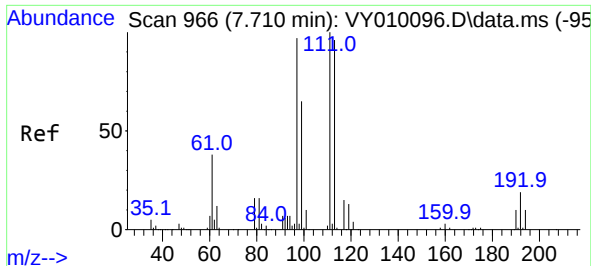
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 14.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 58.082 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY010107.D

Acq: 19 Aug 2022 16:41

Instrument :

MSVOA_Y

ClientSampleId :

OK-03-081622RE

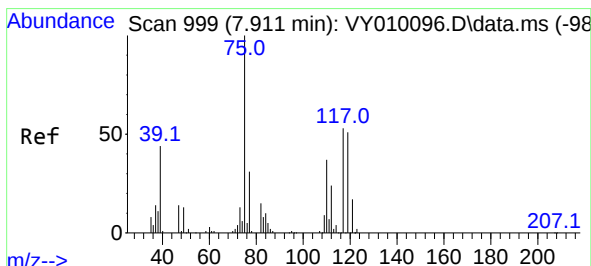
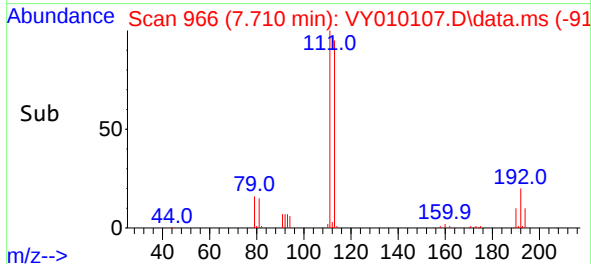
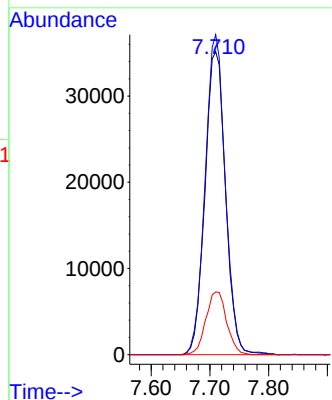
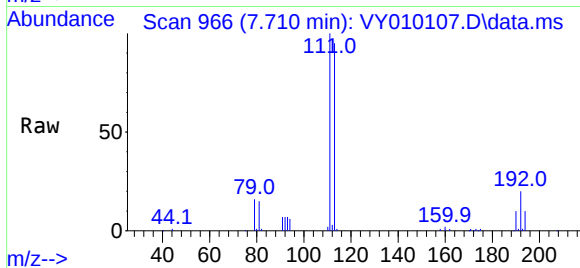
Tgt Ion:113 Resp: 85456

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 20.9 16.3 24.5



#36

1,1-Dichloropropene

Concen: 4.348 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.134 min

Lab File: VY010107.D

Acq: 19 Aug 2022 16:41

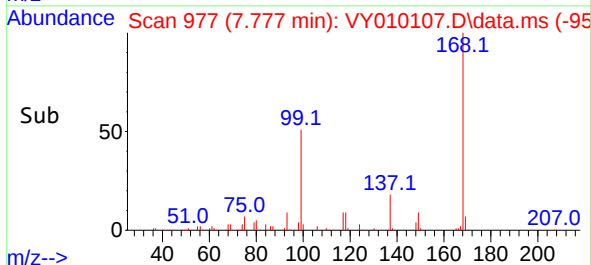
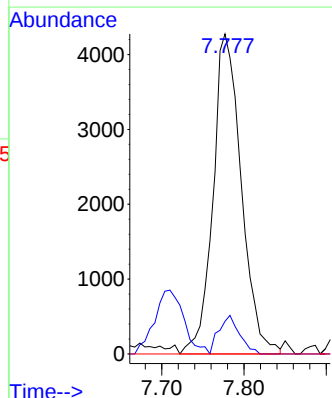
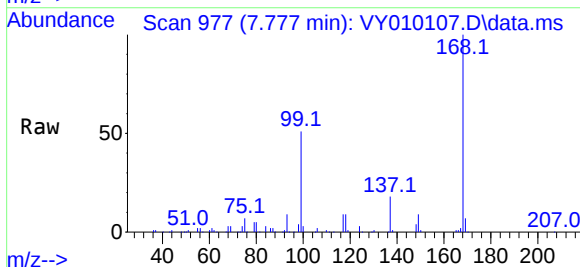
Tgt Ion: 75 Resp: 10211

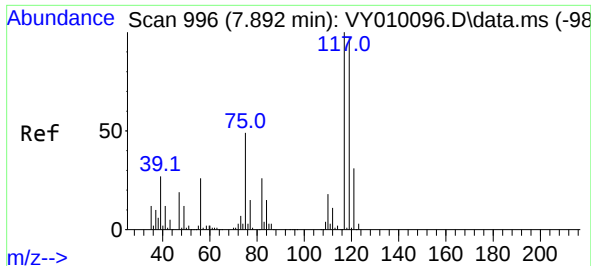
Ion Ratio Lower Upper

75 100

110 8.8 18.6 56.0#

77 0.0 24.9 37.3#

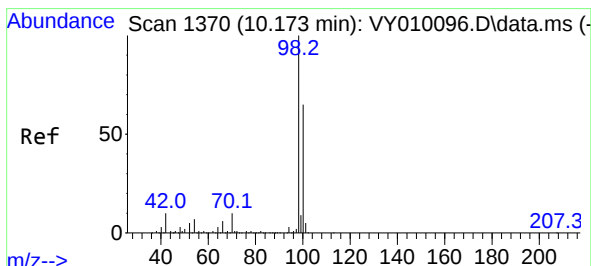
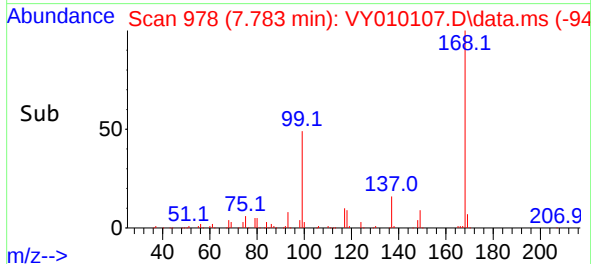
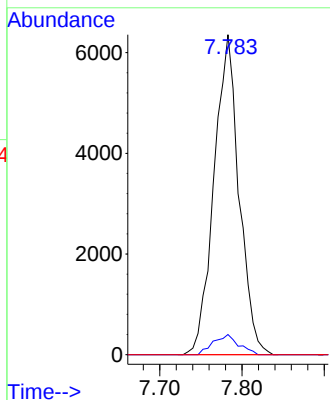
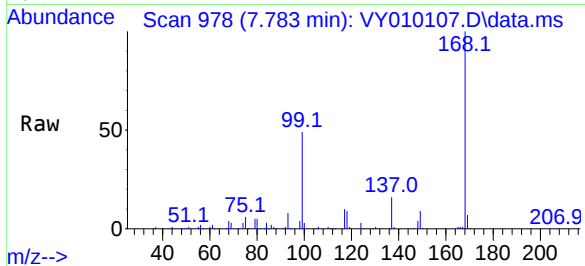




#38
Carbon Tetrachloride
Concen: 5.464 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

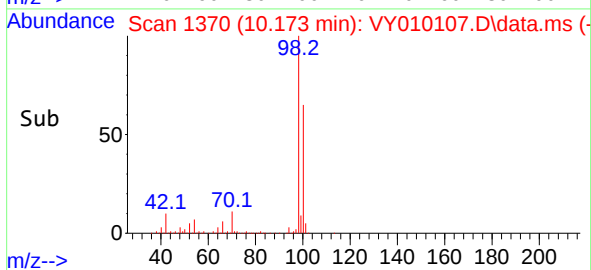
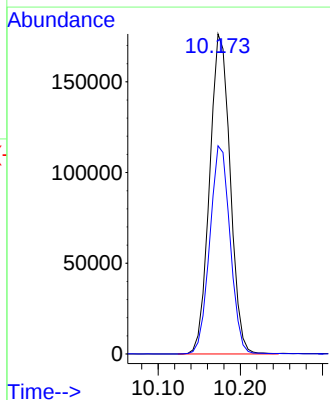
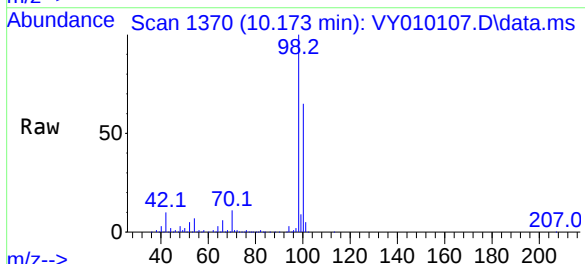
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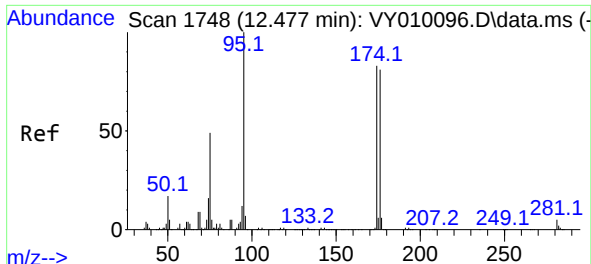
Tgt Ion:117 Resp: 13458
Ion Ratio Lower Upper
117 100
119 6.3 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 55.568 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

Tgt Ion: 98 Resp: 306349
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

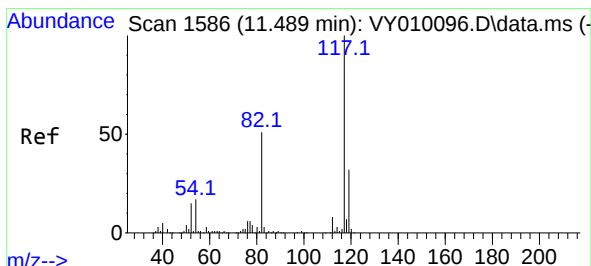
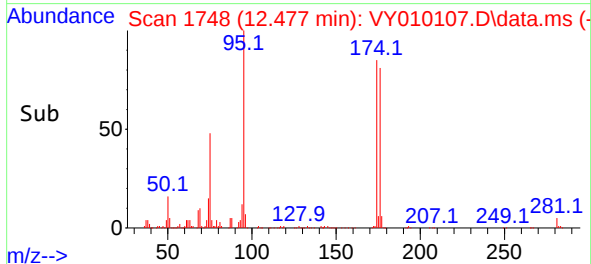
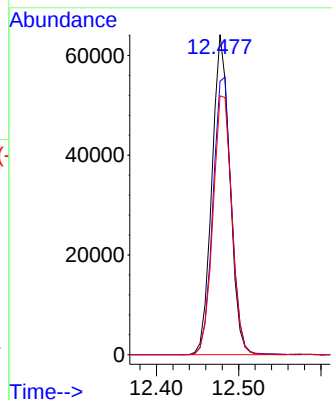
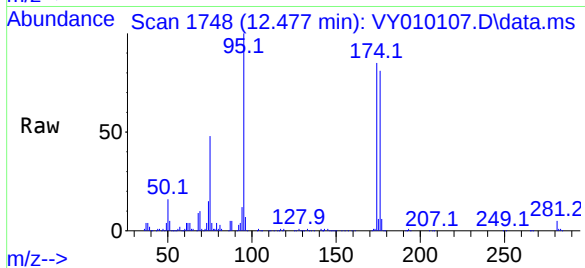




#62
4-Bromofluorobenzene
Concen: 49.327 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

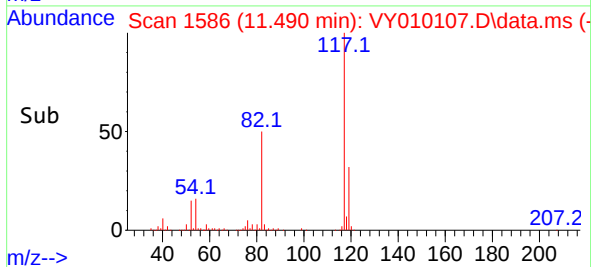
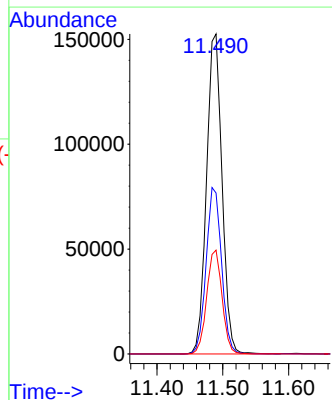
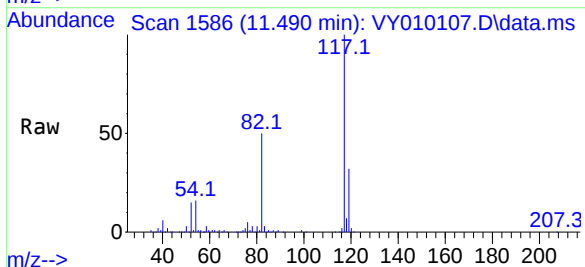
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-081622RE

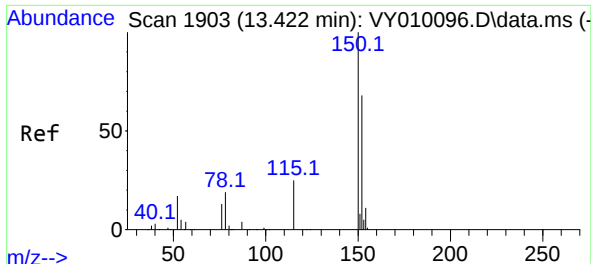
Tgt Ion: 95 Resp: 97163
Ion Ratio Lower Upper
95 100
174 90.1 0.0 173.8
176 85.1 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

Tgt Ion: 117 Resp: 250245
Ion Ratio Lower Upper
117 100
82 50.3 40.6 61.0
119 32.5 25.8 38.8

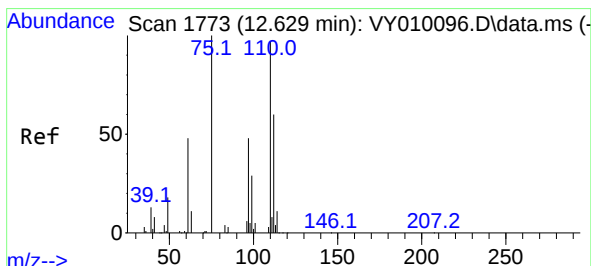
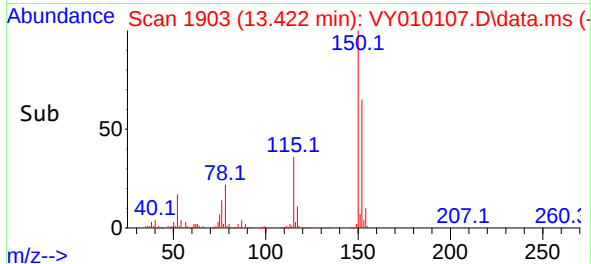
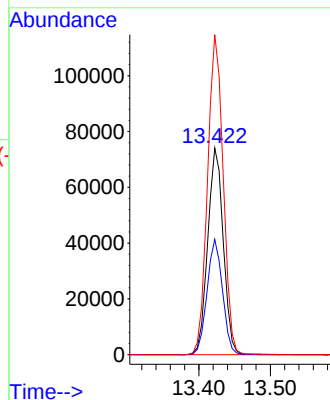
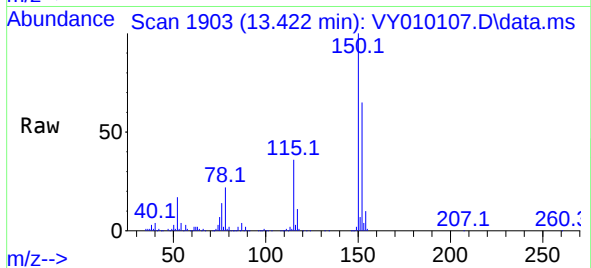




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

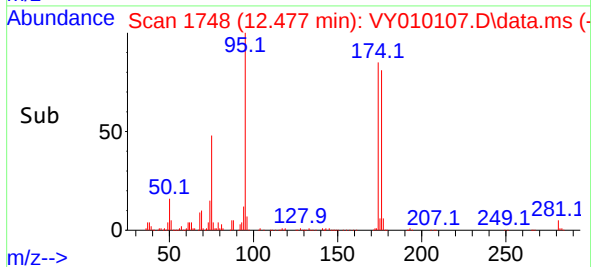
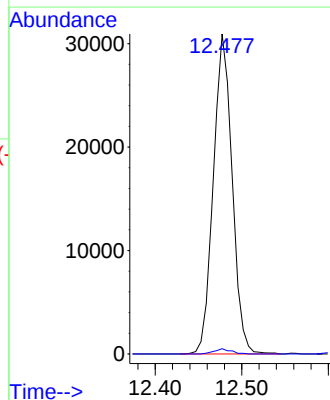
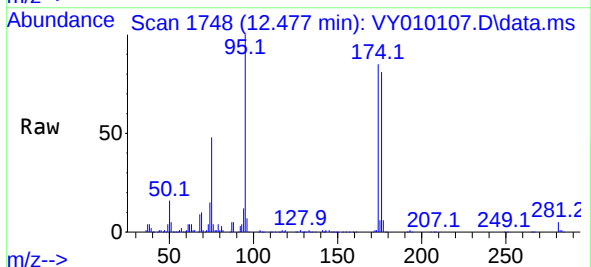
Instrument :
MSVOA_Y
ClientSampleId :
OK-03-081622RE

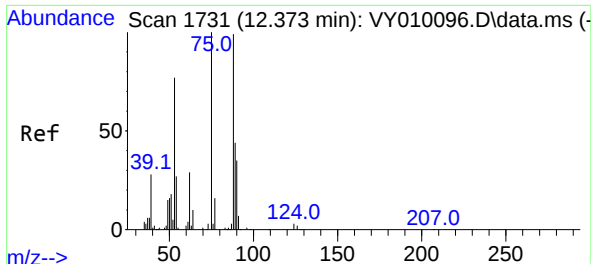
Tgt Ion:152 Resp: 111925
Ion Ratio Lower Upper
152 100
115 55.4 28.1 84.2
150 155.4 0.0 346.2



#76
1,2,3-Trichloropropane
Concen: 44.521 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

Tgt Ion: 75 Resp: 46667
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

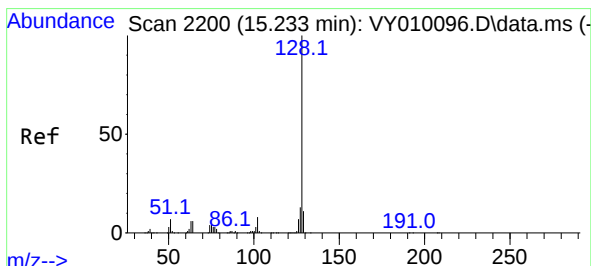
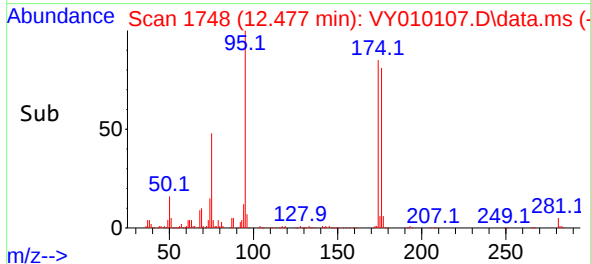
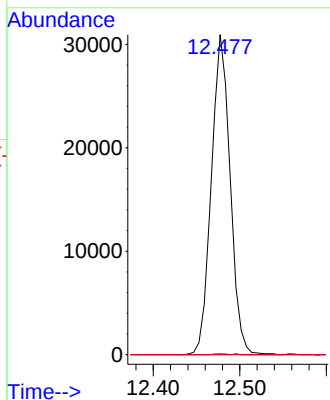
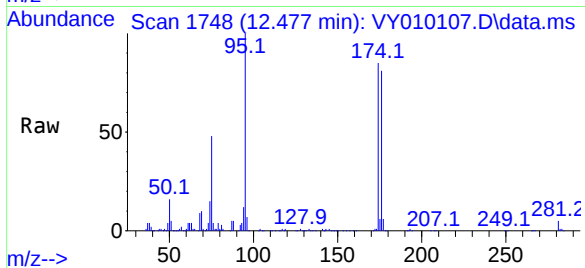




#81
trans-1,4-Dichloro-2-butene
Concen: 89.420 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

Instrument :
MSVOA_Y
ClientSampleId :
OK-03-081622RE

Tgt Ion: 75 Resp: 46667
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 6.588 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010107.D
Acq: 19 Aug 2022 16:41

Tgt Ion:128 Resp: 12322
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.9 8.9 13.3

