

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006964.D
 Acq On : 06 Dec 2021 16:35
 Operator : SY/MD
 Sample : M4887-07
 Misc : 5.80g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 00:47:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 07 00:43:47 2021
 Response via : Initial Calibration

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

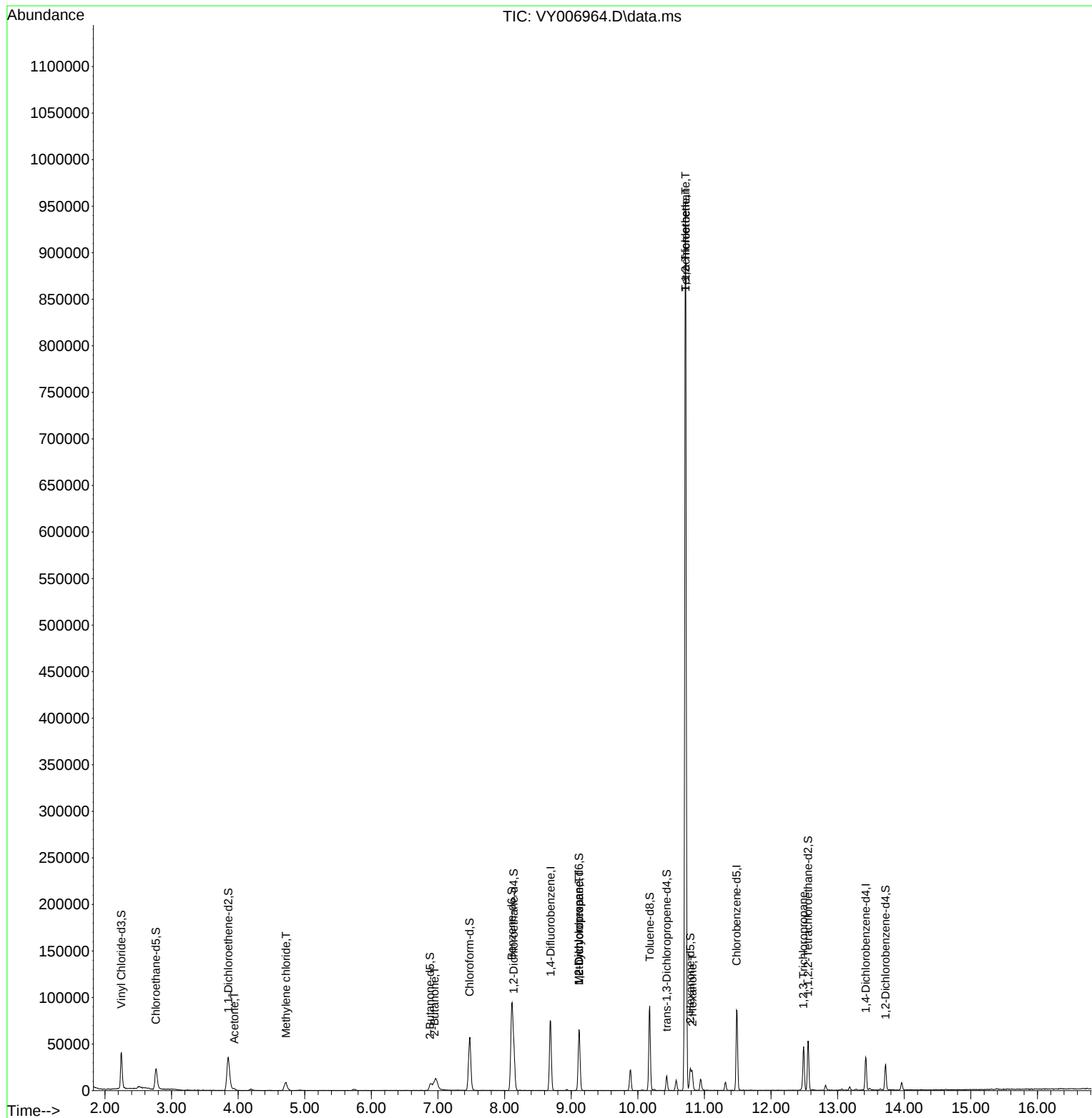
Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	58963	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.483	117	43636	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	9022	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	41662	54.862	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 219.440%#	
7) Chloroethane-d5	2.765	69	28399	47.673	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 190.680%#	
11) 1,1-Dichloroethene-d2	3.851	63	39582	25.072	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 100.280%	
21) 2-Butanone-d5	6.880	46	11918	40.633	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 81.260%	
24) Chloroform-d	7.472	84	55751	37.940	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 151.760%#	
26) 1,2-Dichloroethane-d4	8.136	65	29892	33.890	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 135.560%#	
32) Benzene-d6	8.106	84	80911	34.907	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 139.640%#	
36) 1,2-Dichloropropane-d6	9.118	67	30298	41.602	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 166.400%#	
41) Toluene-d8	10.179	98	54901	25.289	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 101.160%	
43) trans-1,3-Dichloroprop...	10.435	79	8223	23.344	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 93.360%	
47) 2-Hexanone-d5	10.788	63	6071	36.018	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 72.040%	
56) 1,1,2,2-Tetrachloroeth...	12.556	84	25577	42.154	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 168.600%#	
66) 1,2-Dichlorobenzene-d4	13.721	152	6516	22.147	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 88.600%	
Target Compounds						Qvalue
13) Acetone	3.942	43	3473	12.920	ug/L	74
16) Methylene chloride	4.716	84	5655	5.348	ug/L	89
22) 2-Butanone	6.948	43	14087	37.463	ug/L #	51
35) Methylcyclohexane	9.118	83	6559	5.066	ug/L #	17
37) 1,2-Dichloropropane	9.118	63	3217	4.278	ug/L #	87
45) 1,1,2-Trichloroethane	10.715	97	1802	3.252	ug/L #	1
46) Tetrachloroethene	10.715	164	181709	300.146	ug/L	95
48) 2-Hexanone	10.819	43	12604	29.118	ug/L #	48
61) 1,2,3-Trichloropropane	12.483	75	347	1.582	ug/L #	59

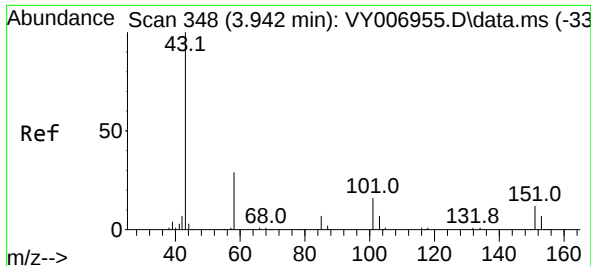
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 12.920 ug/L

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY006964.D

Acq: 06 Dec 2021 16:35

Instrument :

MSVOA_Y

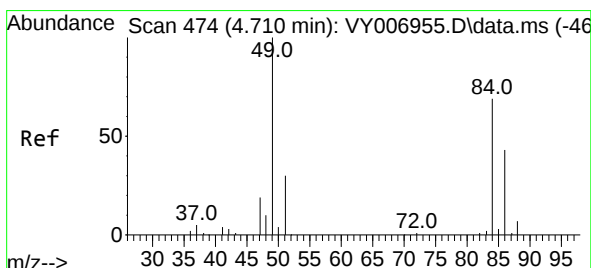
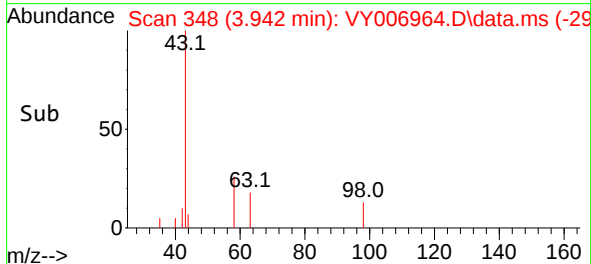
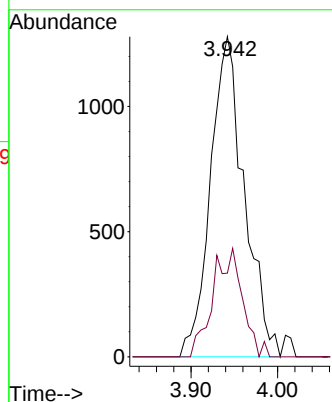
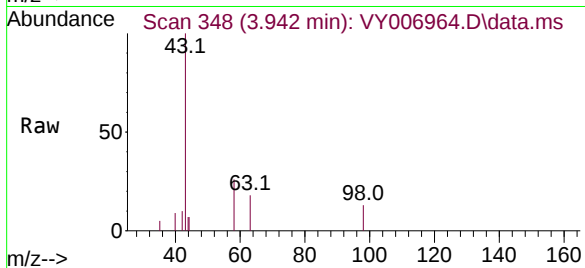
ClientSampleId :

Tgt Ion: 43 Resp: 3473

Ion Ratio Lower Upper

43 100

58 16.0 0.0 60.8



#16

Methylene chloride

Concen: 5.348 ug/L

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY006964.D

Acq: 06 Dec 2021 16:35

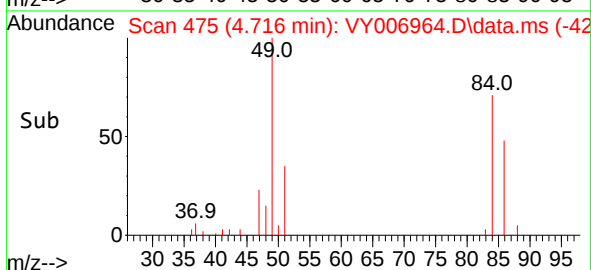
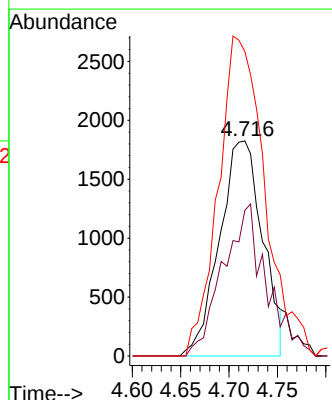
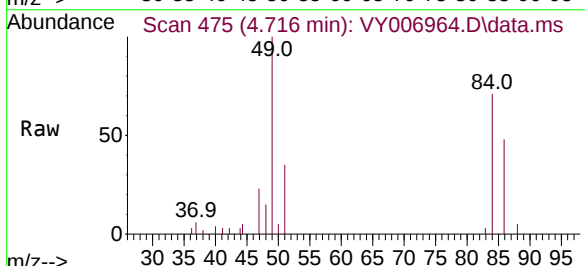
Tgt Ion: 84 Resp: 5655

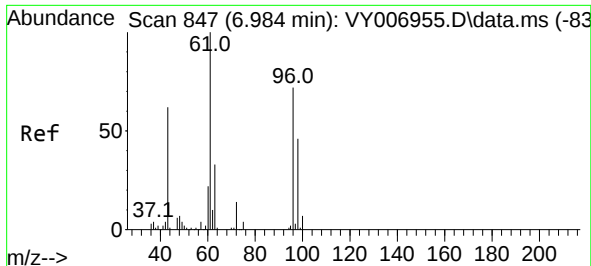
Ion Ratio Lower Upper

84 100

86 67.7 43.4 80.6

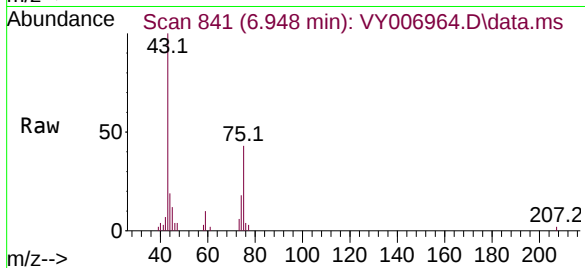
49 141.6 89.1 165.5



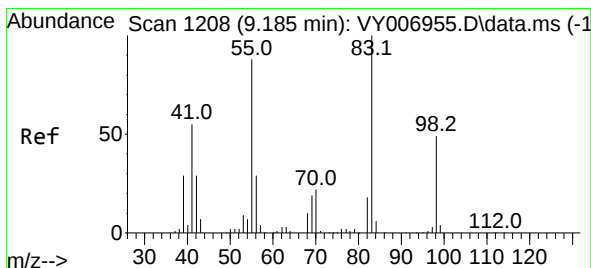
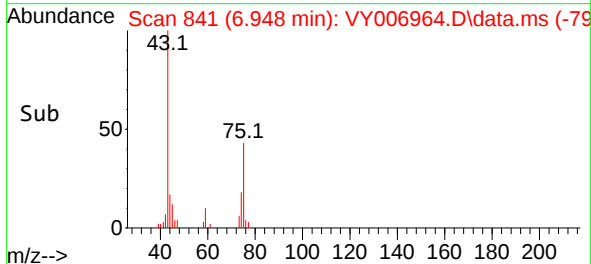
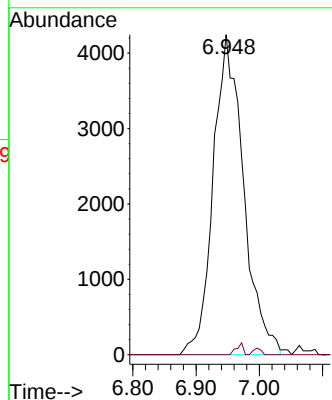


#22
2-Butanone
Concen: 37.463 ug/L
RT: 6.948 min Scan# 841
Delta R.T. -0.037 min
Lab File: VY006964.D
Acq: 06 Dec 2021 16:35

Instrument :
MSVOA_Y
ClientSampleId :

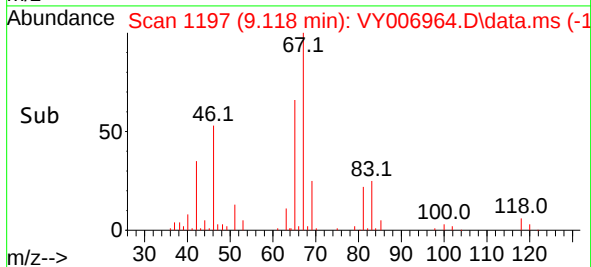
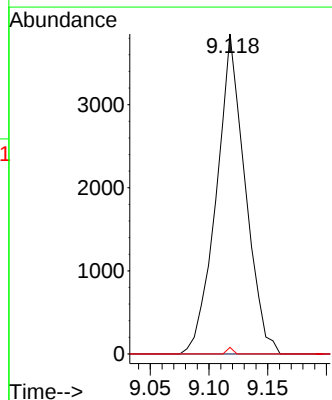
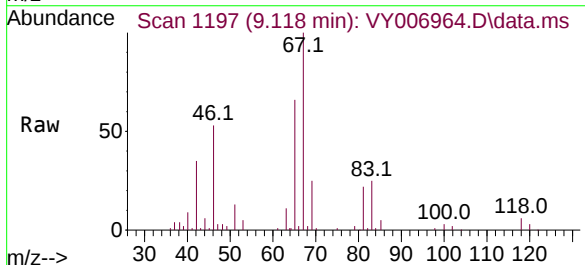


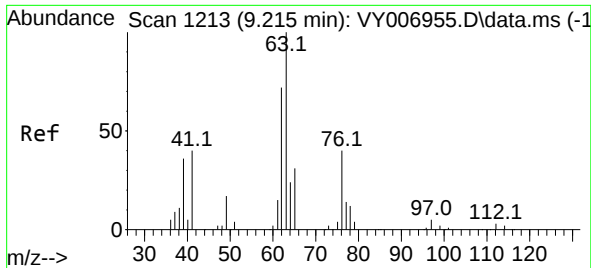
Tgt Ion: 43 Resp: 14087
Ion Ratio Lower Upper
43 100
72 0.8 12.9 38.6#



#35
Methylcyclohexane
Concen: 5.066 ug/L
RT: 9.118 min Scan# 1197
Delta R.T. -0.067 min
Lab File: VY006964.D
Acq: 06 Dec 2021 16:35

Tgt Ion: 83 Resp: 6559
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.0 39.1 58.7#





#37

1,2-Dichloropropane

Concen: 4.278 ug/L

RT: 9.118 min Scan# 1117

Delta R.T. -0.098 min

Lab File: VY006964.D

Acq: 06 Dec 2021 16:35

Instrument :

MSVOA_Y

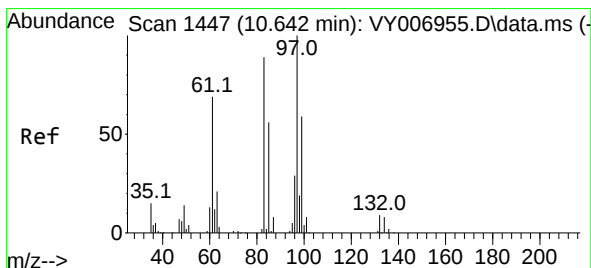
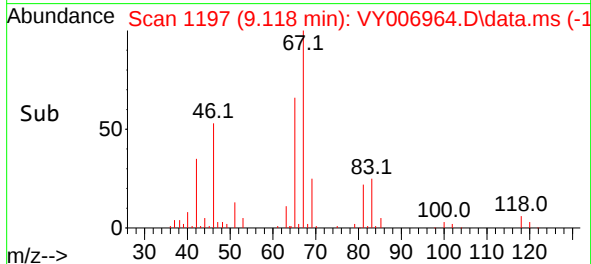
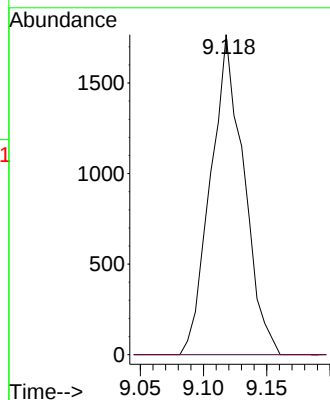
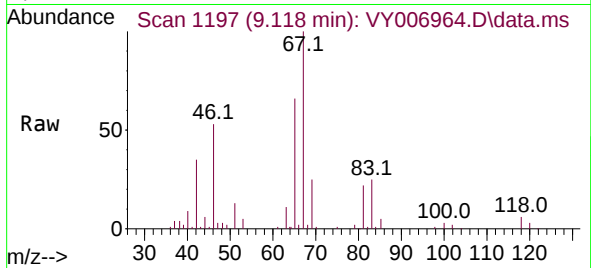
ClientSampleId :

Tgt Ion: 63 Resp: 3217

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#45

1,1,2-Trichloroethane

Concen: 3.252 ug/L

RT: 10.715 min Scan# 1459

Delta R.T. 0.073 min

Lab File: VY006964.D

Acq: 06 Dec 2021 16:35

Tgt Ion: 97 Resp: 1802

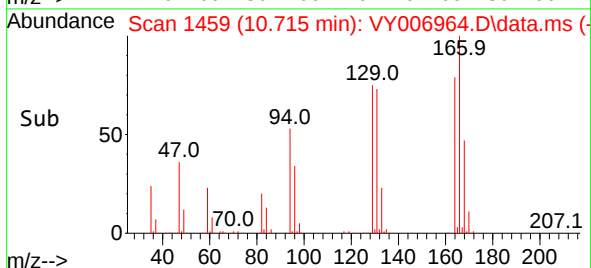
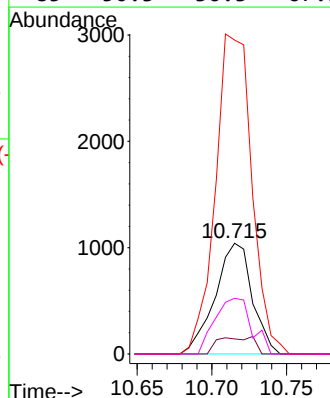
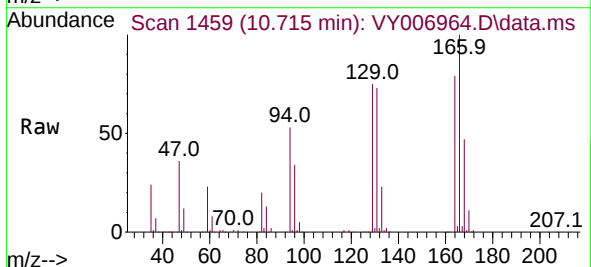
Ion Ratio Lower Upper

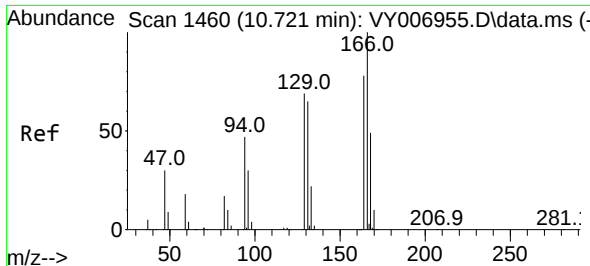
97 100

99 13.6 43.0 79.8#

83 283.7 58.9 109.3#

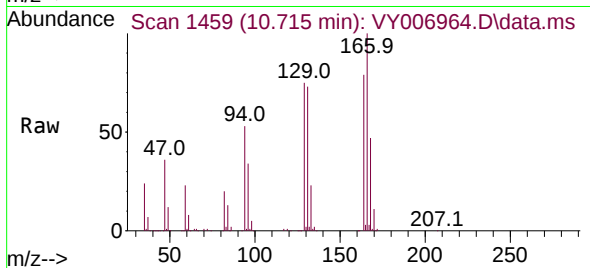
85 50.3 36.3 67.3



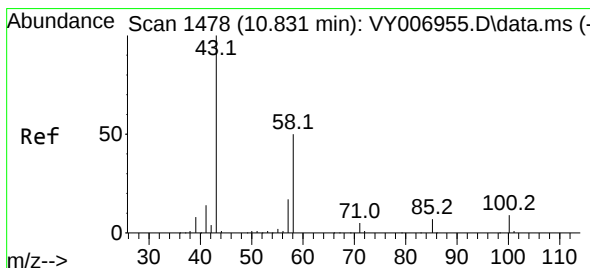
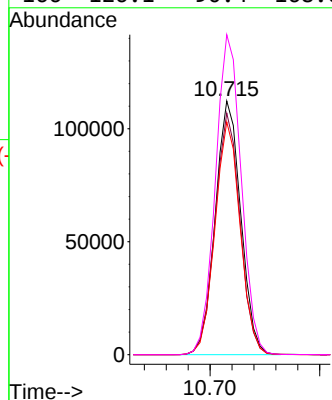
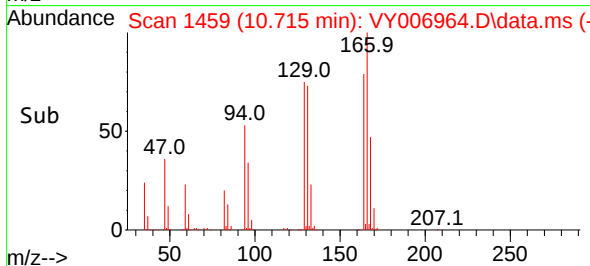


#46
Tetrachloroethene
Concen: 300.146 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY006964.D
Acq: 06 Dec 2021 16:35

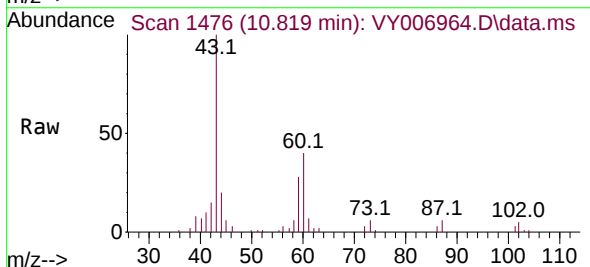
Instrument :
MSVOA_Y
ClientSampleId :



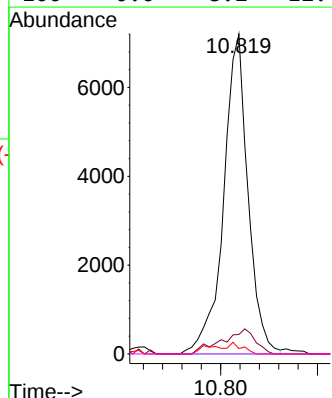
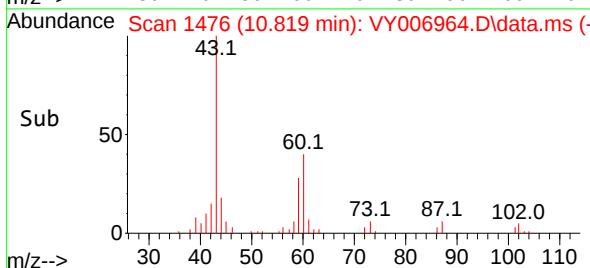
Tgt Ion:164 Resp: 181709
Ion Ratio Lower Upper
164 100
129 95.2 62.1 115.3
131 91.7 61.0 113.2
166 126.1 90.4 168.0

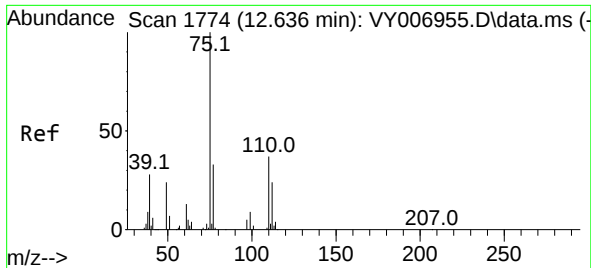


#48
2-Hexanone
Concen: 29.118 ug/L
RT: 10.819 min Scan# 1476
Delta R.T. -0.012 min
Lab File: VY006964.D
Acq: 06 Dec 2021 16:35



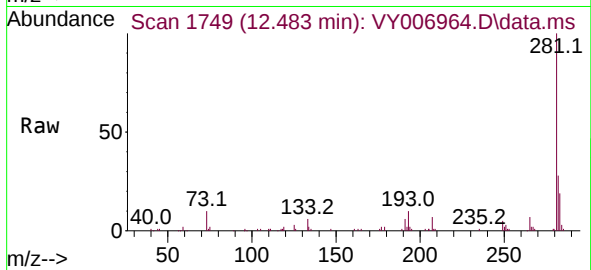
Tgt Ion: 43 Resp: 12604
Ion Ratio Lower Upper
43 100
58 6.8 39.9 59.9#
57 2.1 14.2 21.4#
100 0.0 8.2 12.4#





#61
 1,2,3-Trichloropropane
 Concen: 1.582 ug/L
 RT: 12.483 min Scan# 11
 Delta R.T. -0.152 min
 Lab File: VY006964.D
 Acq: 06 Dec 2021 16:35

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75	Resp: 347
Ion Ratio	Lower Upper
75	100
77	0.0 25.4 38.0#
110	22.8 31.7 47.5#

