

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006957.D
 Acq On : 06 Dec 2021 13:52
 Operator : SY/MD
 Sample : M4887-01
 Misc : 5.79g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 00:46:21 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)

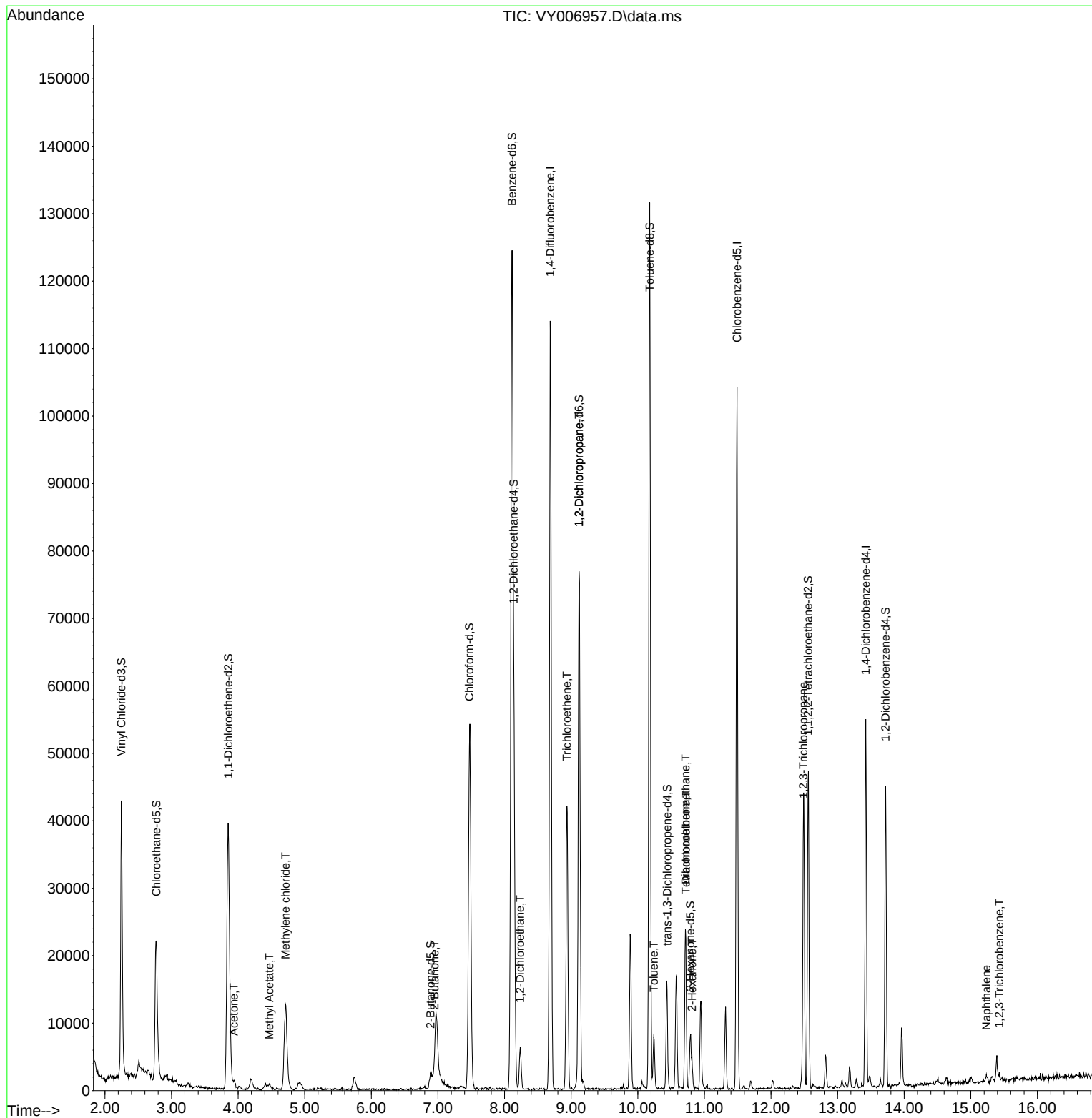
Internal Standards						
1) 1,4-Difluorobenzene	8.685	114	87306	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	48723	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	12291	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	41169	36.613	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 146.440%	
7) Chloroethane-d5	2.772	69	27788	31.503	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 126.000%	
11) 1,1-Dichloroethene-d2	3.851	63	42927	18.364	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 73.440%	
21) 2-Butanone-d5	6.887	46	4300	9.901	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 19.800%#	
24) Chloroform-d	7.472	84	53460	24.571	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 98.280%	
26) 1,2-Dichloroethane-d4	8.137	65	31356	24.009	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 96.040%	
32) Benzene-d6	8.112	84	102307	39.529	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 158.120%#	
36) 1,2-Dichloropropane-d6	9.118	67	36303	44.643	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 178.560%#	
41) Toluene-d8	10.179	98	81158	33.480	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 133.920%#	
43) trans-1,3-Dichloroprop...	10.441	79	7935	20.174	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 80.680%	
47) 2-Hexanone-d5	10.789	63	2425	12.885	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 25.760%	
56) 1,1,2,2-Tetrachloroeth...	12.557	84	22778	33.622	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 134.480%#	
66) 1,2-Dichlorobenzene-d4	13.721	152	9989	24.922	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 99.680%	
Target Compounds						Qvalue
13) Acetone	3.936	43	1654	4.156	ug/L	78
15) Methyl Acetate	4.466	43	975	1.124	ug/L #	80
16) Methylene chloride	4.710	84	8226	5.254	ug/L	88
22) 2-Butanone	6.948	43	2401	4.312	ug/L #	49
27) 1,2-Dichloroethane	8.234	62	5455	3.154	ug/L #	94
34) Trichloroethene	8.935	95	14235	17.643	ug/L	87
37) 1,2-Dichloropropane	9.118	63	4056	4.830	ug/L #	87
42) Toluene	10.240	91	5513	1.578	ug/L	92
46) Tetrachloroethene	10.721	164	4913	7.268	ug/L	93
48) 2-Hexanone	10.813	43	2350	4.862	ug/L #	47
49) Dibromochloromethane	10.715	129	4387	5.827	ug/L #	12
61) 1,2,3-Trichloropropane	12.483	75	404	1.352	ug/L #	39
71) Naphthalene	15.233	128	846	0.950	ug/L #	84
72) 1,2,3-Trichlorobenzene	15.428	180	310	0.826	ug/L #	84

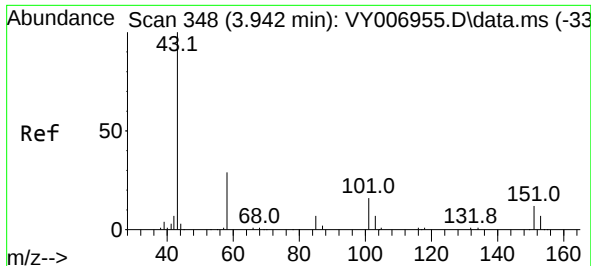
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 07 00:43:47 2021
Response via : Initial Calibration

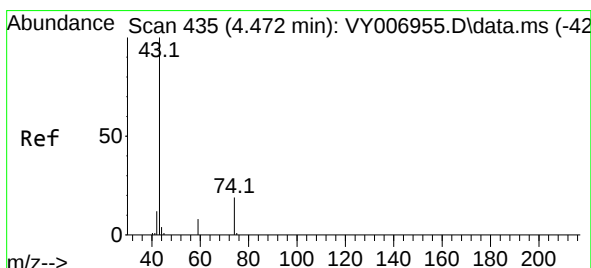
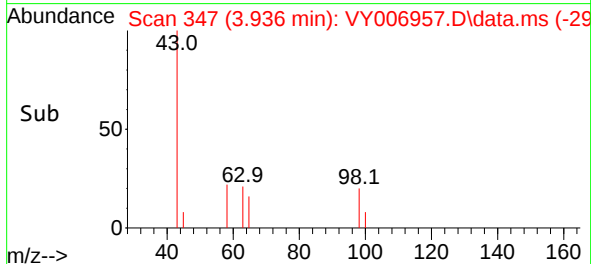
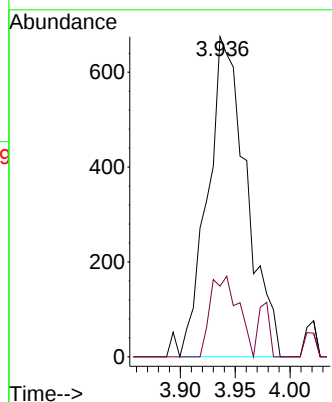
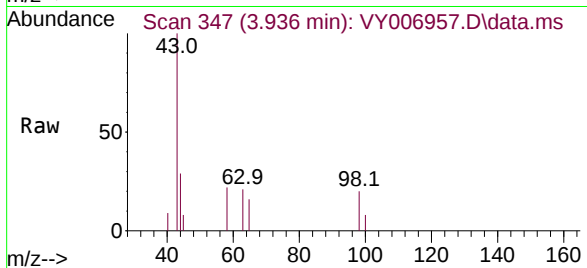




#13
Acetone
Concen: 4.156 ug/L
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY006957.D
Acq: 06 Dec 2021 13:52

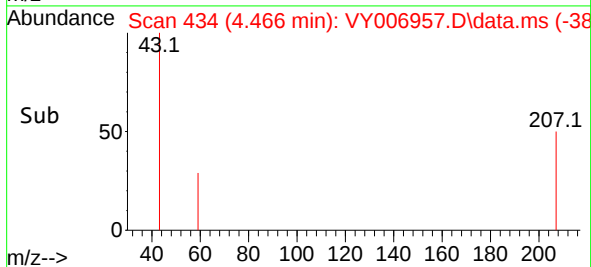
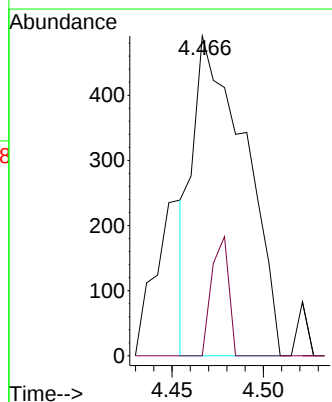
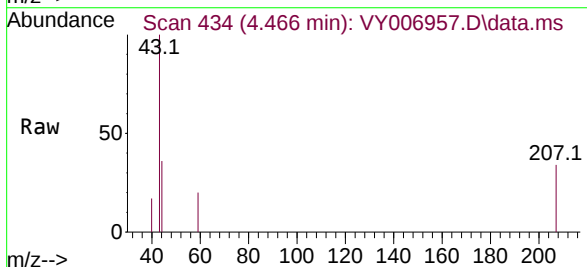
Instrument :
MSVOA_Y
ClientSampleId :

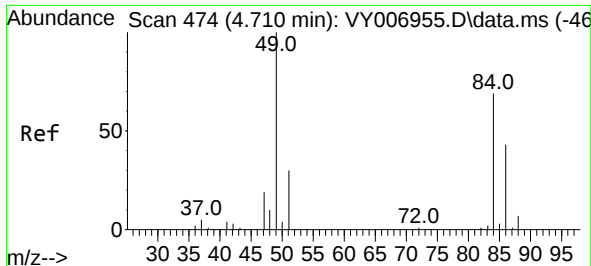
Tgt Ion: 43 Resp: 1654
Ion Ratio Lower Upper
43 100
58 18.3 0.0 60.8



#15
Methyl Acetate
Concen: 1.124 ug/L
RT: 4.466 min Scan# 434
Delta R.T. -0.006 min
Lab File: VY006957.D
Acq: 06 Dec 2021 13:52

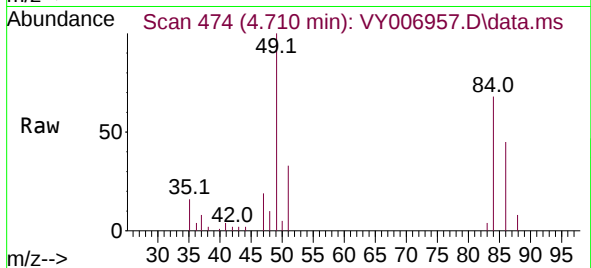
Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
74 12.2 17.4 26.2#





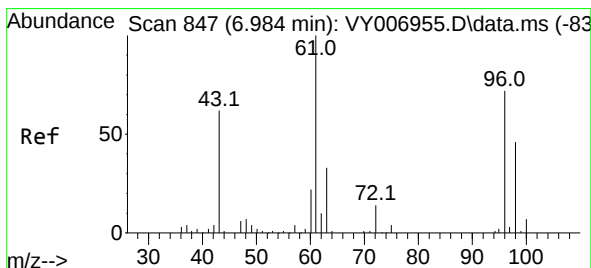
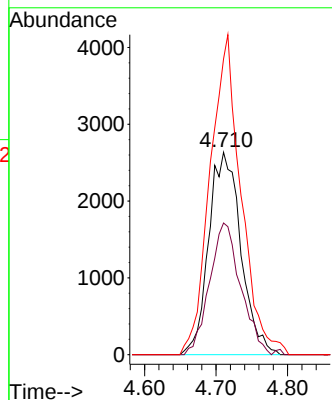
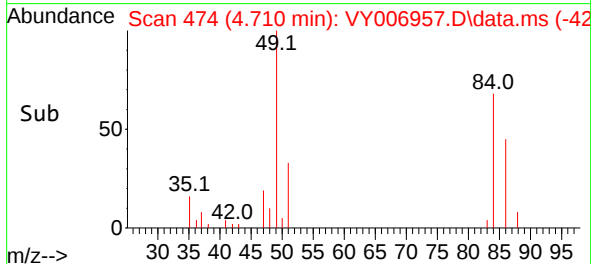
#16
Methylene chloride
Concen: 5.254 ug/L
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY006957.D
Acq: 06 Dec 2021 13:52

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 8226

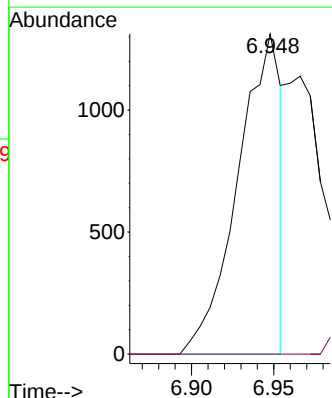
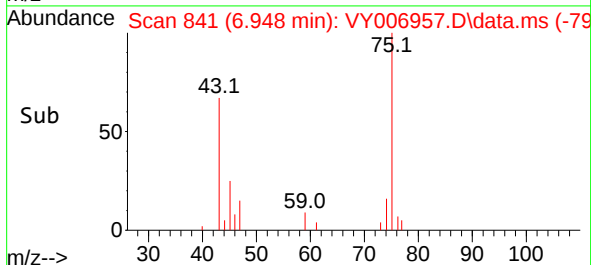
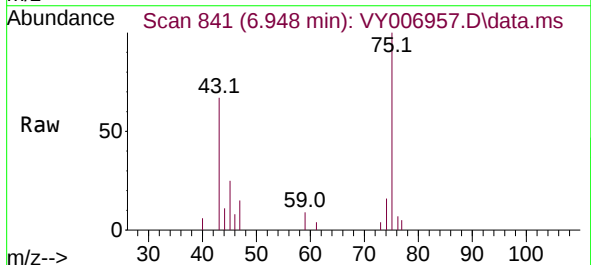
Ion	Ratio	Lower	Upper
84	100		
86	65.1	43.4	80.6
49	146.2	89.1	165.5

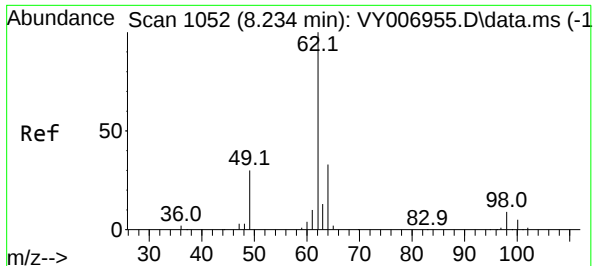


#22
2-Butanone
Concen: 4.312 ug/L
RT: 6.948 min Scan# 841
Delta R.T. -0.036 min
Lab File: VY006957.D
Acq: 06 Dec 2021 13:52

Tgt Ion: 43 Resp: 2401

Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.9	38.6#





#27

1,2-Dichloroethane

Concen: 3.154 ug/L

RT: 8.234 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VY006957.D

Acq: 06 Dec 2021 13:52

Instrument :

MSVOA_Y

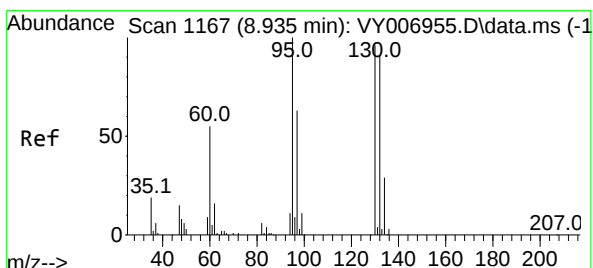
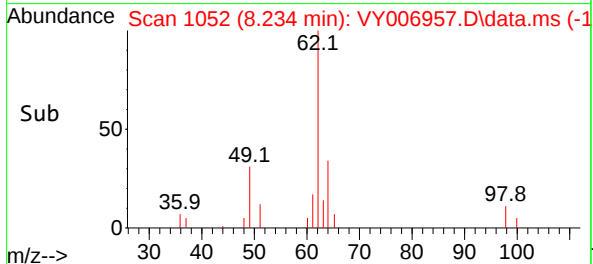
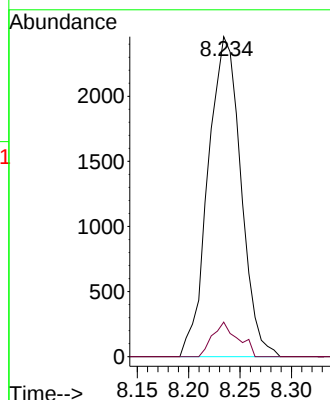
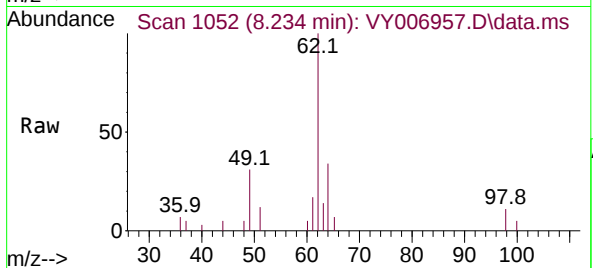
ClientSampleId :

Tgt Ion: 62 Resp: 5455

Ion Ratio Lower Upper

62 100

98 10.8 6.9 10.3#



#34

Trichloroethene

Concen: 17.643 ug/L

RT: 8.935 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VY006957.D

Acq: 06 Dec 2021 13:52

Tgt Ion: 95 Resp: 14235

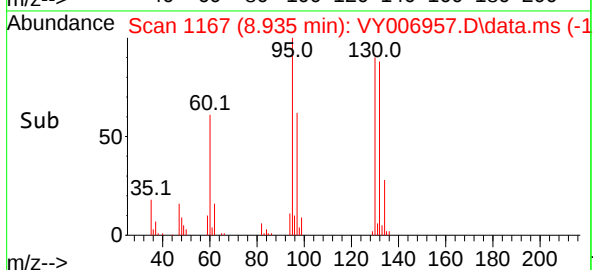
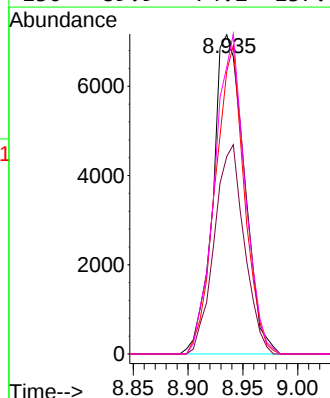
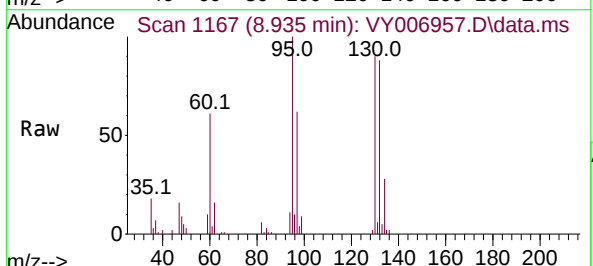
Ion Ratio Lower Upper

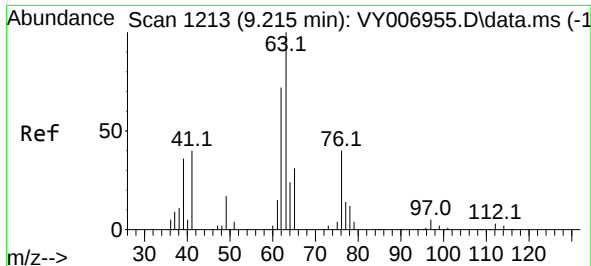
95 100

97 61.9 47.3 87.8

132 88.5 71.3 132.5

130 89.9 74.2 137.8





#37

1,2-Dichloropropane

Concen: 4.830 ug/L

RT: 9.118 min Scan# 1197

Delta R.T. -0.097 min

Lab File: VY006957.D

Acq: 06 Dec 2021 13:52

Instrument :

MSVOA_Y

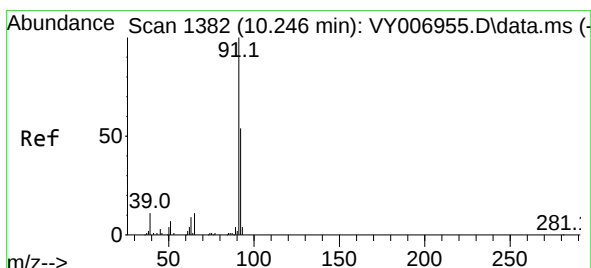
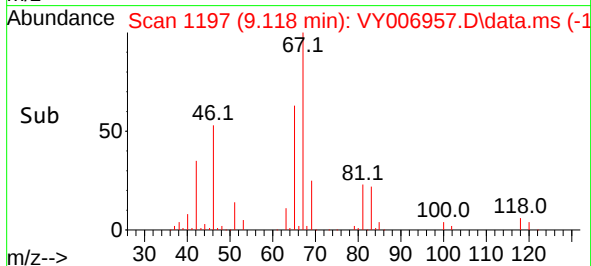
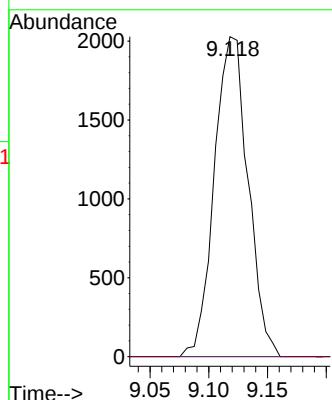
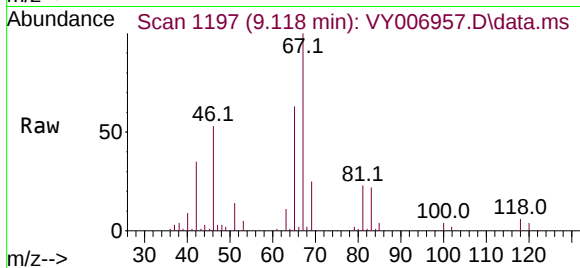
ClientSampleId :

Tgt Ion: 63 Resp: 4056

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#42

Toluene

Concen: 1.578 ug/L

RT: 10.240 min Scan# 1381

Delta R.T. -0.006 min

Lab File: VY006957.D

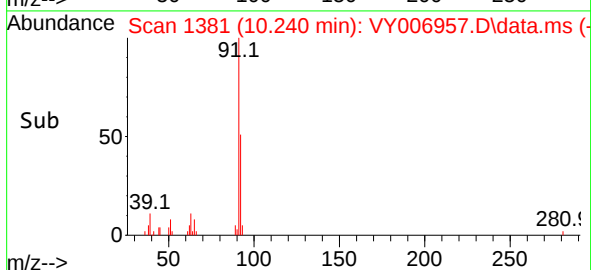
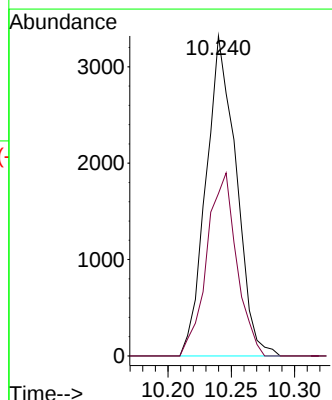
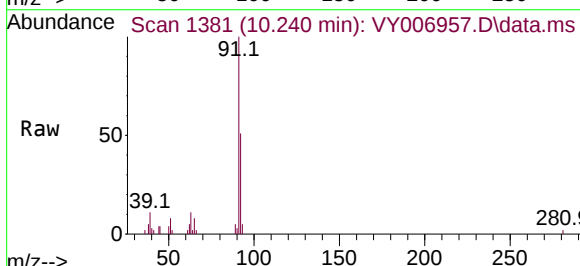
Acq: 06 Dec 2021 13:52

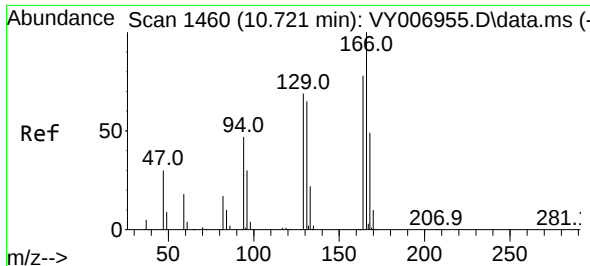
Tgt Ion: 91 Resp: 5513

Ion Ratio Lower Upper

91 100

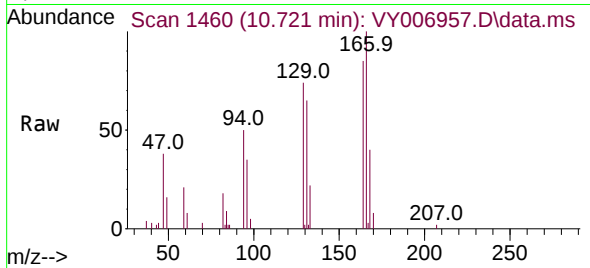
92 50.8 39.8 74.0



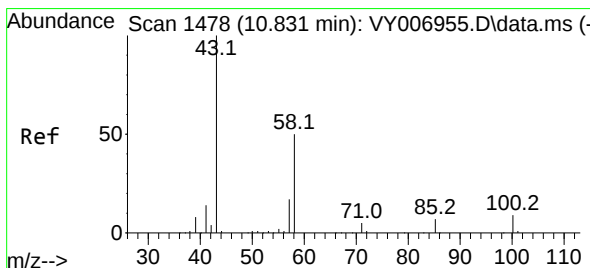
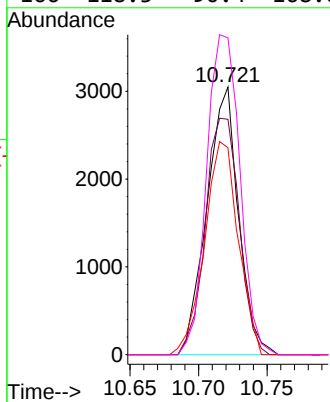
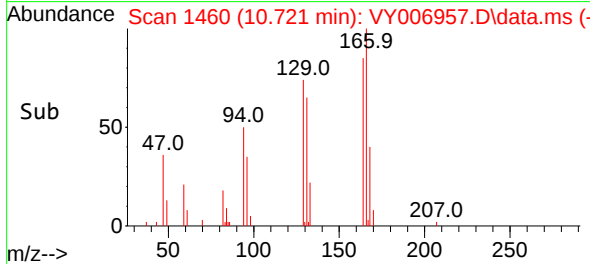


#46
Tetrachloroethene
Concen: 7.268 ug/L
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY006957.D
Acq: 06 Dec 2021 13:52

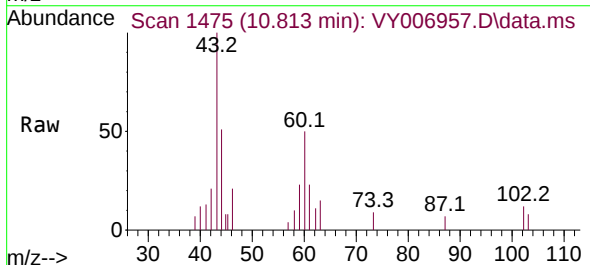
Instrument :
MSVOA_Y
ClientSampleId :



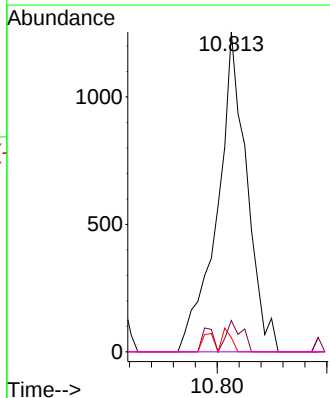
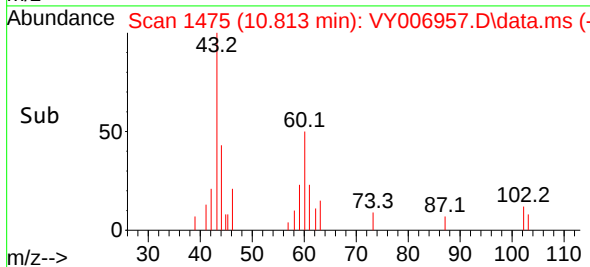
Tgt Ion:	164	Resp:	4913
Ion	Ratio	Lower	Upper
164	100		
129	87.9	62.1	115.3
131	77.3	61.0	113.2
166	118.3	90.4	168.0

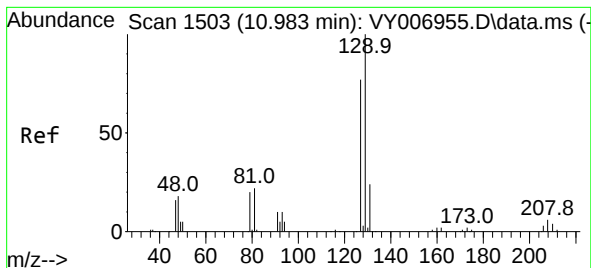


#48
2-Hexanone
Concen: 4.862 ug/L
RT: 10.813 min Scan# 1475
Delta R.T. -0.018 min
Lab File: VY006957.D
Acq: 06 Dec 2021 13:52



Tgt Ion:	43	Resp:	2350
Ion	Ratio	Lower	Upper
43	100		
58	5.2	39.9	59.9#
57	2.3	14.2	21.4#
100	0.0	8.2	12.4#





#49

Dibromochloromethane

Concen: 5.827 ug/L

RT: 10.715 min Scan# 14

Delta R.T. -0.268 min

Lab File: VY006957.D

Acq: 06 Dec 2021 13:52

Instrument :

MSVOA_Y

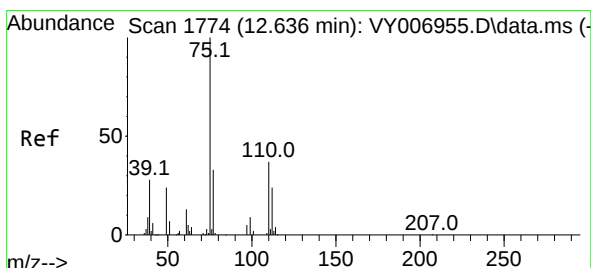
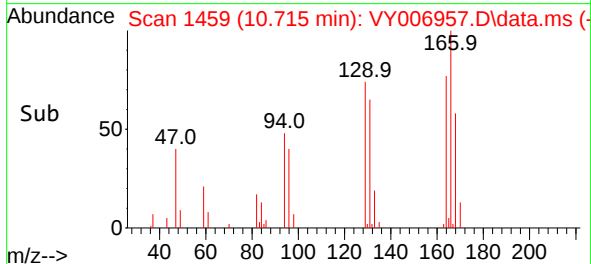
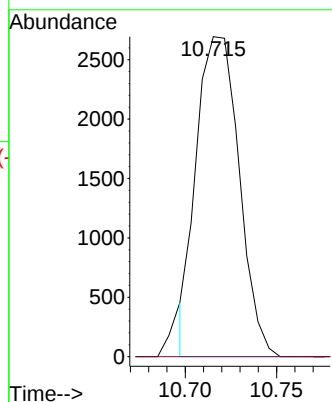
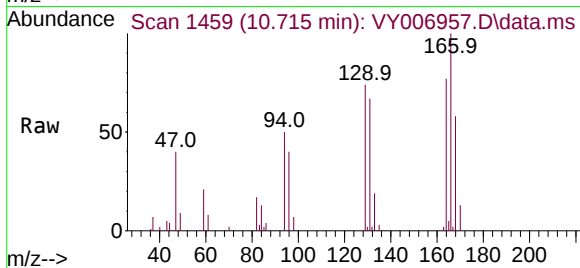
ClientSampleId :

Tgt Ion:129 Resp: 4387

Ion Ratio Lower Upper

129 100

127 0.0 52.1 96.9#



#61

1,2,3-Trichloropropane

Concen: 1.352 ug/L

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY006957.D

Acq: 06 Dec 2021 13:52

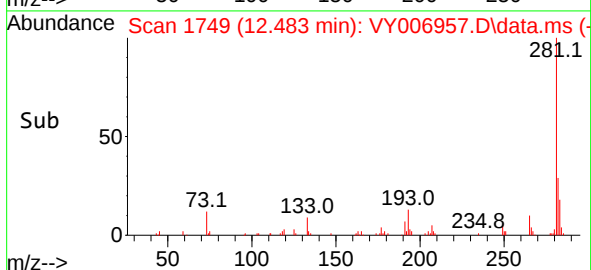
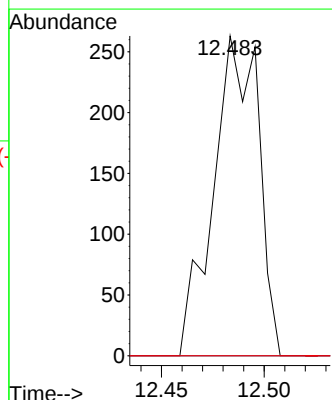
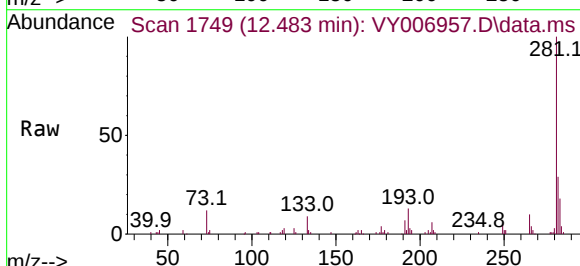
Tgt Ion: 75 Resp: 404

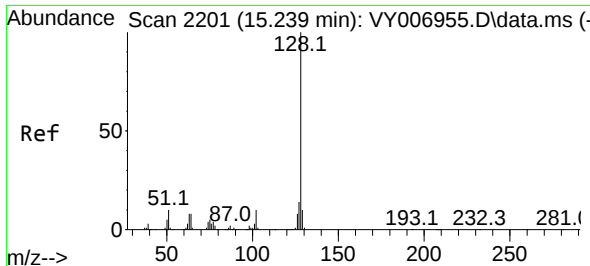
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

110 0.0 31.7 47.5#

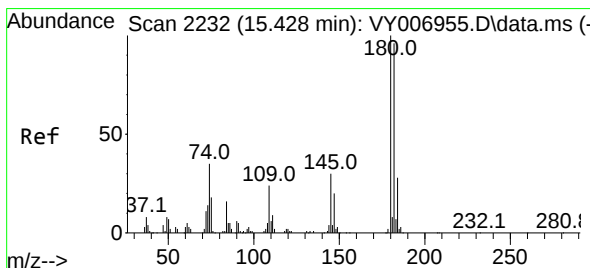
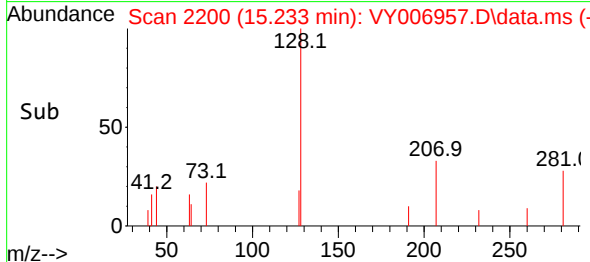
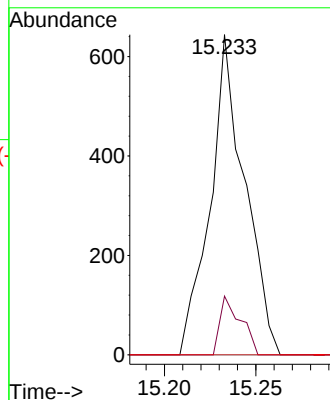
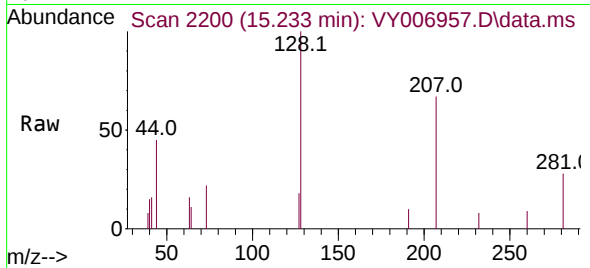




#71
Naphthalene
Concen: 0.950 ug/L
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY006957.D
Acq: 06 Dec 2021 13:52

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 846
Ion Ratio Lower Upper
128 100
127 11.0 10.8 16.2
129 0.0 8.7 13.1#



#72
1,2,3-Trichlorobenzene
Concen: 0.826 ug/L
RT: 15.428 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY006957.D
Acq: 06 Dec 2021 13:52

Tgt Ion:180 Resp: 310
Ion Ratio Lower Upper
180 100
182 79.7 75.5 113.3
145 18.4 23.5 35.3#

