

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006962.D
 Acq On : 06 Dec 2021 15:51
 Operator : SY/MD
 Sample : M4887-05
 Misc : 5.15g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 00:47:28 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)

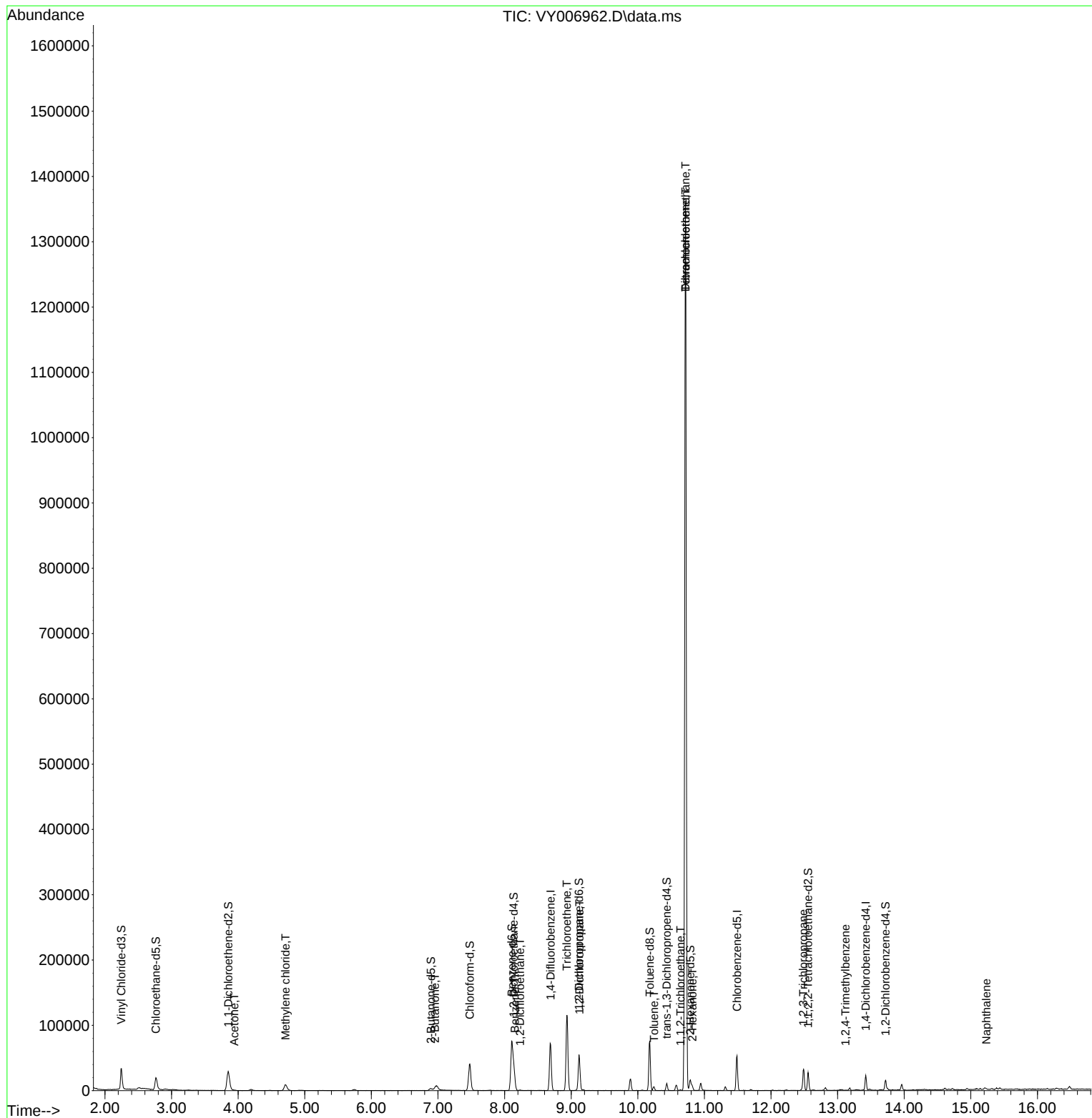
Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	56691	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.489	117	25697	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	5054	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	33981	46.541	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 186.160%#		
7) Chloroethane-d5	2.765	69	22163	38.695	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 154.800%#		
11) 1,1-Dichloroethene-d2	3.851	63	31052	20.457	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	= 81.840%		
21) 2-Butanone-d5	6.893	46	5866	20.801	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 41.600%		
24) Chloroform-d	7.478	84	38459	27.222	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	= 108.880%		
26) 1,2-Dichloroethane-d4	8.136	65	22632	26.688	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	= 106.760%		
32) Benzene-d6	8.106	84	67964	49.790	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	= 199.160%#		
36) 1,2-Dichloropropane-d6	9.118	67	24461	57.034	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	= 228.120%#		
41) Toluene-d8	10.179	98	47623	37.250	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	= 149.000%#		
43) trans-1,3-Dichloroprop...	10.435	79	5313	25.612	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	= 102.440%		
47) 2-Hexanone-d5	10.788	63	4968	50.049	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 100.100%		
56) 1,1,2,2-Tetrachloroeth...	12.556	84	12506	35.000	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	= 140.000%#		
66) 1,2-Dichlorobenzene-d4	13.721	152	3318	20.132	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	= 80.520%		
Target Compounds						
						Qvalue
13) Acetone	3.942	43	1169	4.523	ug/L	80
16) Methylene chloride	4.710	84	5761	5.667	ug/L	90
22) 2-Butanone	6.954	43	4962	13.725	ug/L	# 49
27) 1,2-Dichloroethane	8.234	62	791	0.704	ug/L	# 76
33) Benzene	8.155	78	2433	1.408	ug/L	100
34) Trichloroethene	8.935	95	38930	91.485	ug/L	91
37) 1,2-Dichloropropane	9.124	63	2694	6.083	ug/L	# 87
42) Toluene	10.246	91	4380	2.376	ug/L	97
45) 1,1,2-Trichloroethane	10.642	97	358	1.097	ug/L	86
46) Tetrachloroethene	10.715	164	266764	748.248	ug/L	97
48) 2-Hexanone	10.819	43	5346	20.972	ug/L	# 45
49) Dibromochloromethane	10.715	129	232500	585.510	ug/L	# 12
61) 1,2,3-Trichloropropane	12.483	75	346	2.817	ug/L	# 39
63) 1,2,4-Trimethylbenzene	13.117	105	436	0.733	ug/L	# 79
71) Naphthalene	15.233	128	1013	2.767	ug/L	# 87

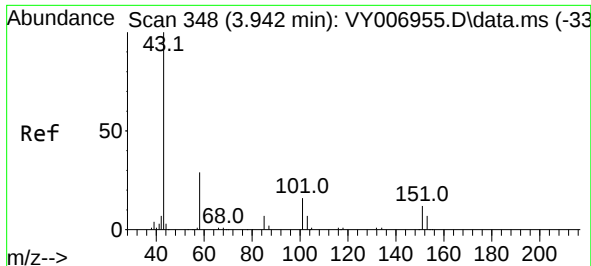
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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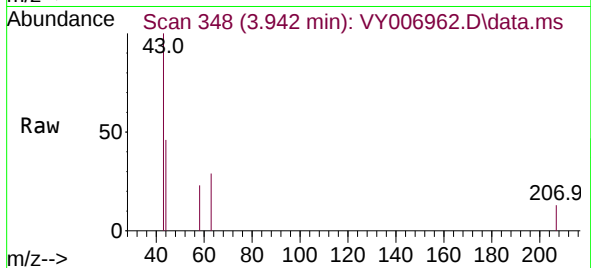
Quant Time: Dec 07 00:47:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL120321SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 07 00:43:47 2021
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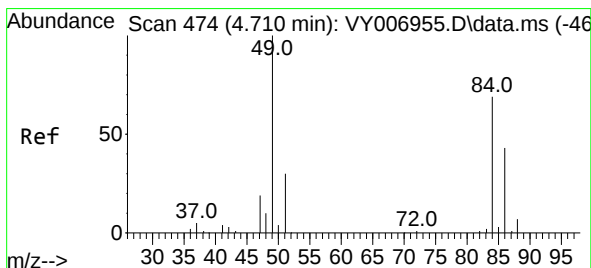
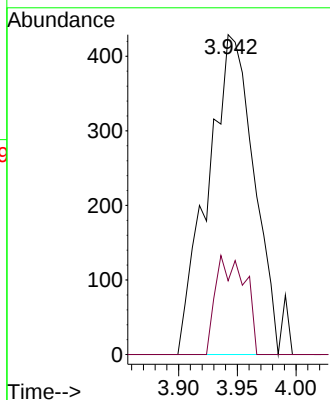
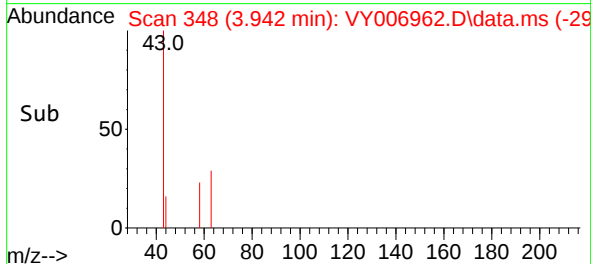


#13
Acetone
Concen: 4.523 ug/L
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Instrument :
MSVOA_Y
ClientSampleId :

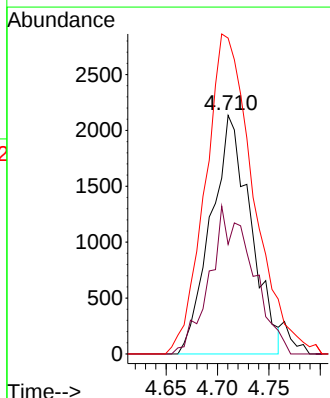
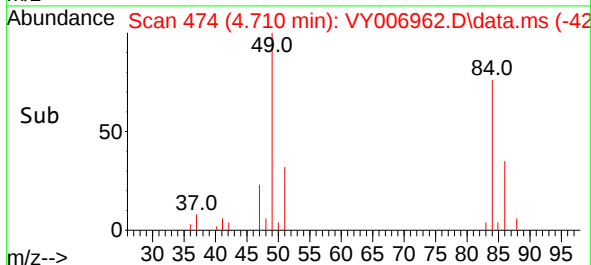
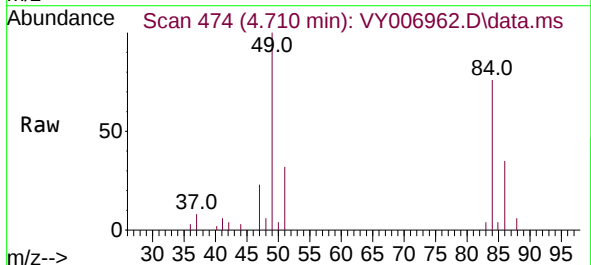


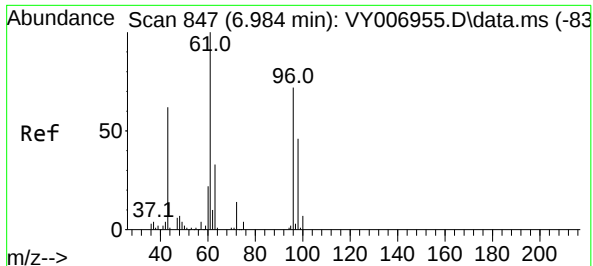
Tgt Ion: 43 Resp: 1169
Ion Ratio Lower Upper
43 100
58 19.8 0.0 60.8



#16
Methylene chloride
Concen: 5.667 ug/L
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Tgt Ion: 84 Resp: 5761
Ion Ratio Lower Upper
84 100
86 45.9 43.4 80.6
49 132.4 89.1 165.5





#22

2-Butanone

Concen: 13.725 ug/L

RT: 6.954 min Scan# 84

Delta R.T. -0.030 min

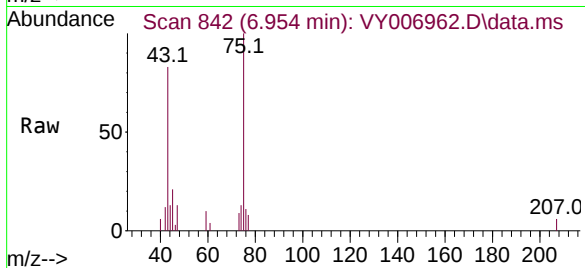
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Acq: 06 Dec 2021 15:51

Instrument :

MSVOA_Y

ClientSampleId :

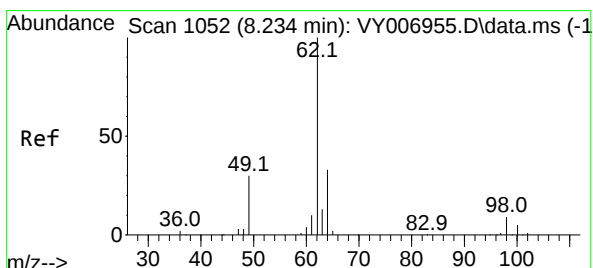
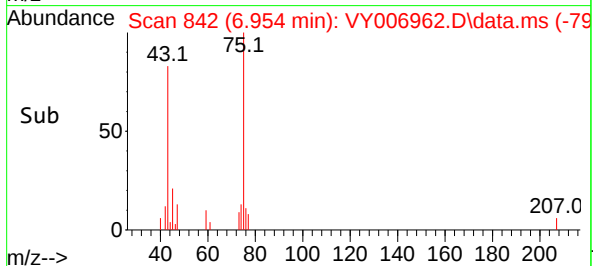
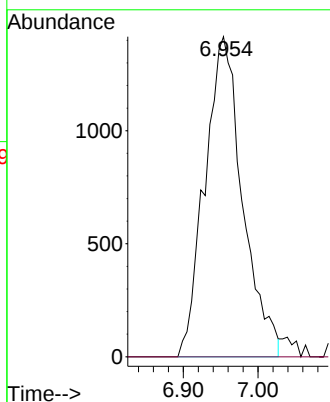


Tgt Ion: 43 Resp: 4962

Ion Ratio Lower Upper

43 100

72 0.0 12.9 38.6#



#27

1,2-Dichloroethane

Concen: 0.704 ug/L

RT: 8.234 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VY006962.D

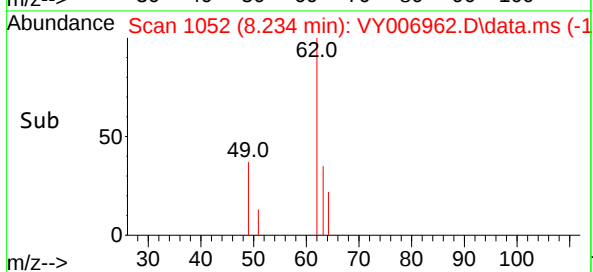
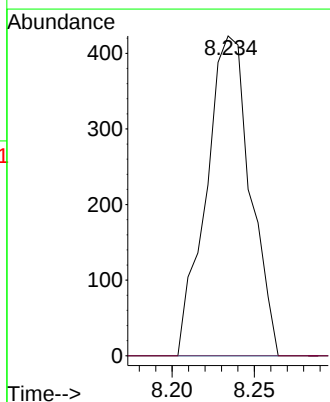
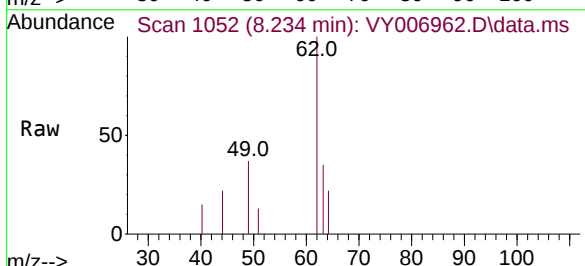
Acq: 06 Dec 2021 15:51

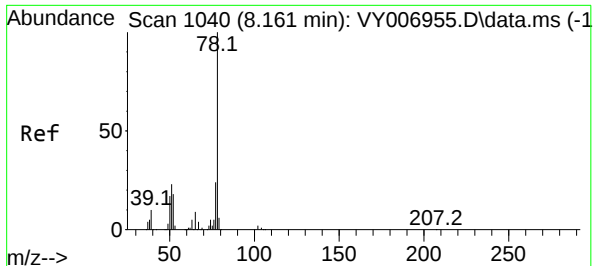
Tgt Ion: 62 Resp: 791

Ion Ratio Lower Upper

62 100

98 0.0 6.9 10.3#

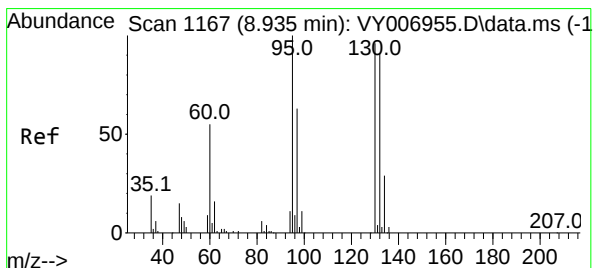
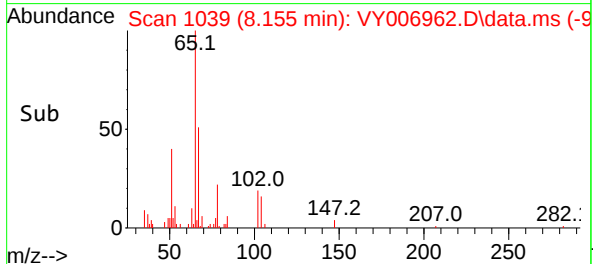
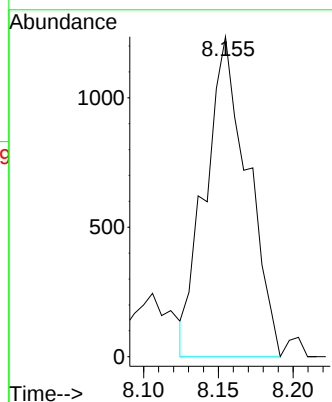
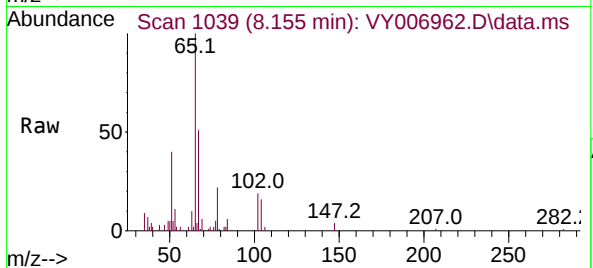




#33
Benzene
Concen: 1.408 ug/L
RT: 8.155 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Instrument :
MSVOA_Y
ClientSampleId :

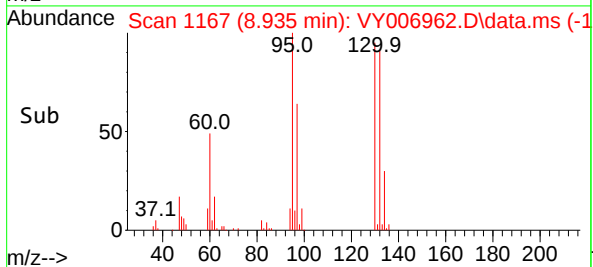
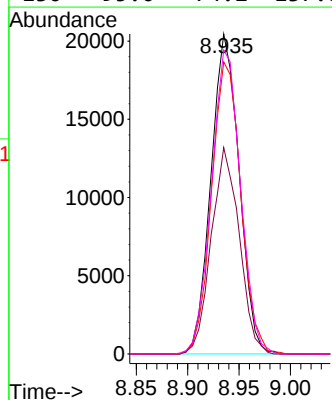
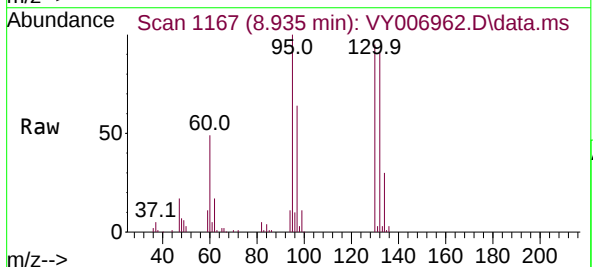
Tgt Ion: 78 Resp: 2433

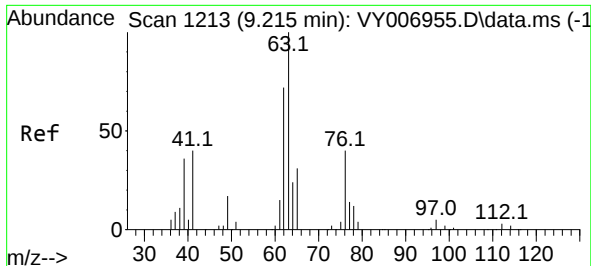


#34
Trichloroethene
Concen: 91.485 ug/L
RT: 8.935 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Tgt Ion: 95 Resp: 38930

Ion	Ratio	Lower	Upper
95	100		
97	64.5	47.3	87.8
132	91.2	71.3	132.5
130	95.0	74.2	137.8





#37

1,2-Dichloropropane

Concen: 6.083 ug/L

RT: 9.124 min Scan# 1198

Delta R.T. -0.091 min

Lab File: VY006962.D

Acq: 06 Dec 2021 15:51

Instrument :

MSVOA_Y

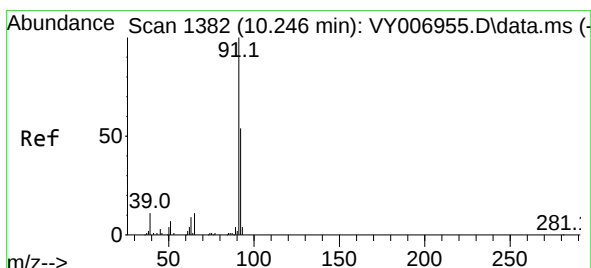
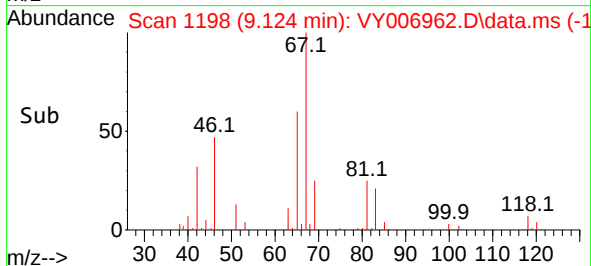
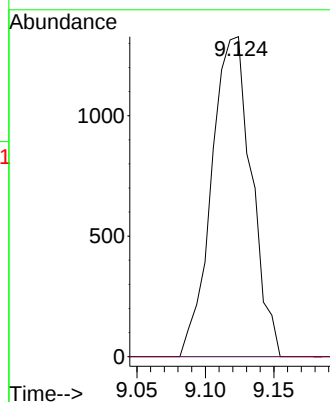
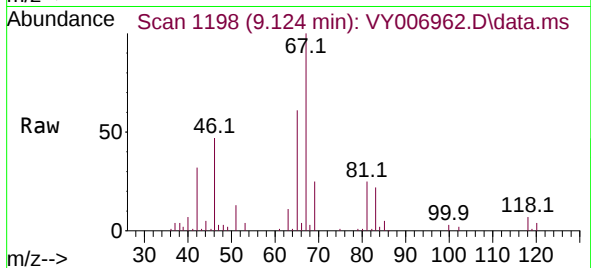
ClientSampleId :

Tgt Ion: 63 Resp: 2694

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#42

Toluene

Concen: 2.376 ug/L

RT: 10.246 min Scan# 1382

Delta R.T. 0.000 min

Lab File: VY006962.D

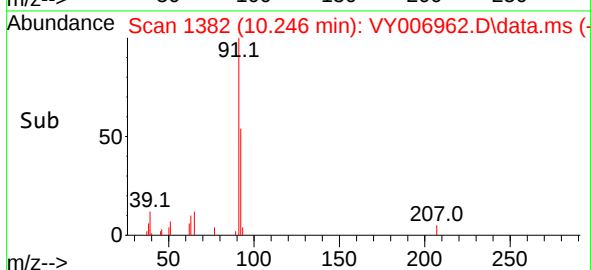
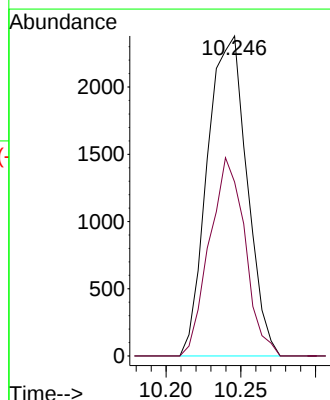
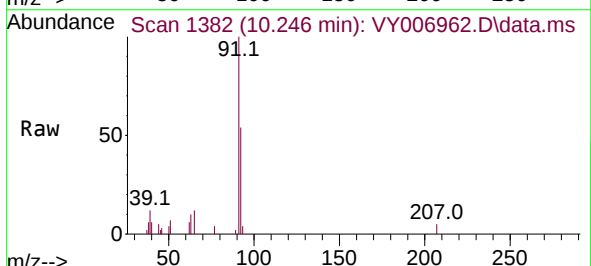
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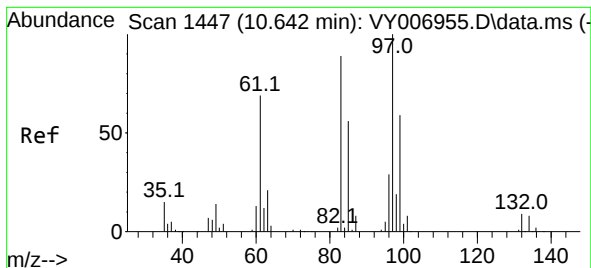
Tgt Ion: 91 Resp: 4380

Ion Ratio Lower Upper

91 100

92 54.4 39.8 74.0





#45

1,1,2-Trichloroethane

Concen: 1.097 ug/L

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

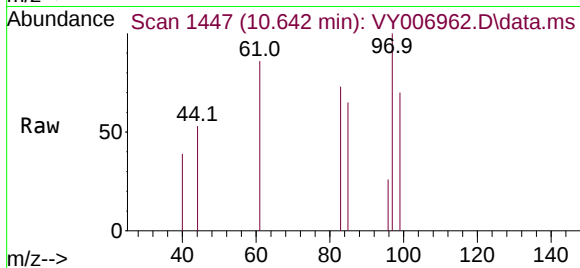
Lab File: VY006962.D

Acq: 06 Dec 2021 15:51

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 97 Resp: 358

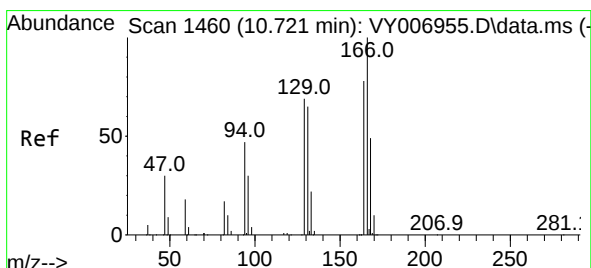
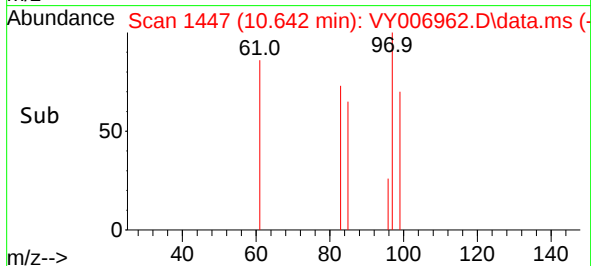
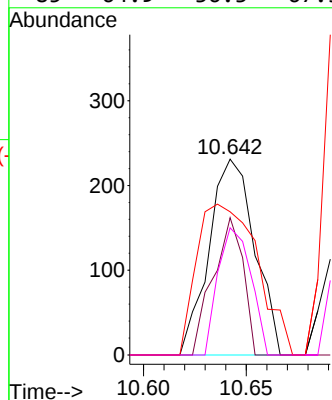
Ion Ratio Lower Upper

97 100

99 70.1 43.0 79.8

83 73.2 58.9 109.3

85 64.9 36.3 67.3



#46

Tetrachloroethene

Concen: 748.248 ug/L

RT: 10.715 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VY006962.D

Acq: 06 Dec 2021 15:51

Tgt Ion:164 Resp: 266764

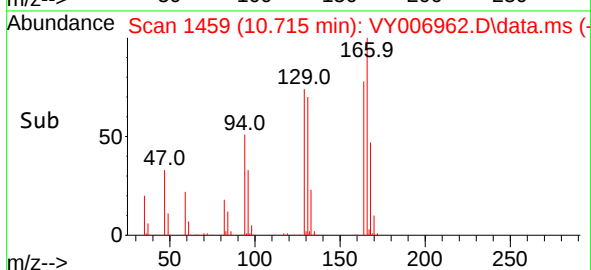
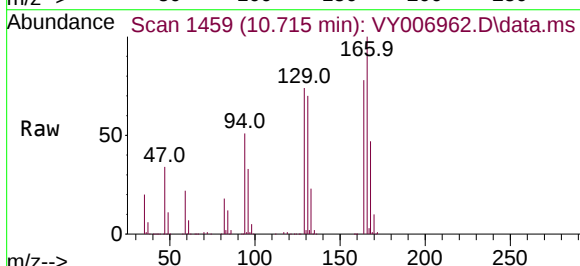
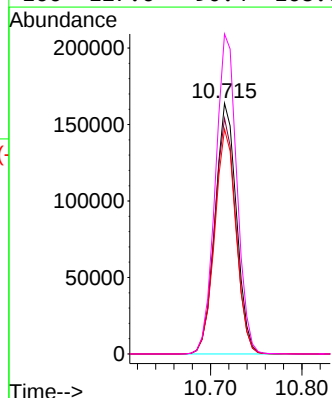
Ion Ratio Lower Upper

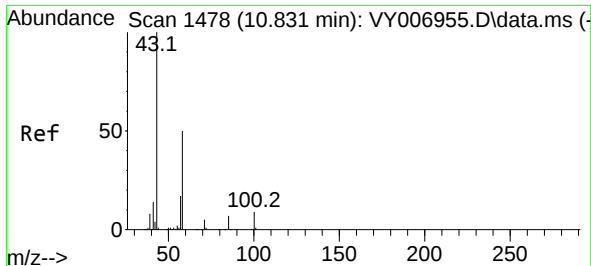
164 100

129 94.0 62.1 115.3

131 89.7 61.0 113.2

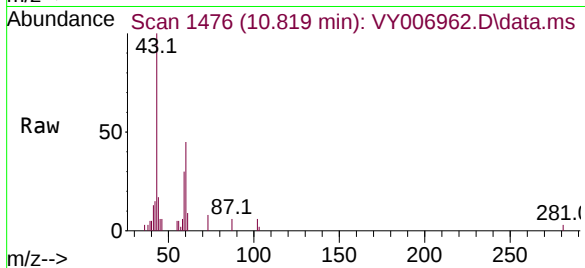
166 127.6 90.4 168.0



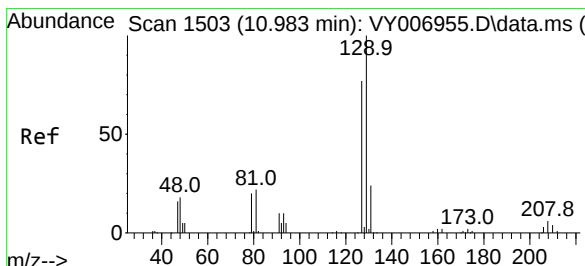
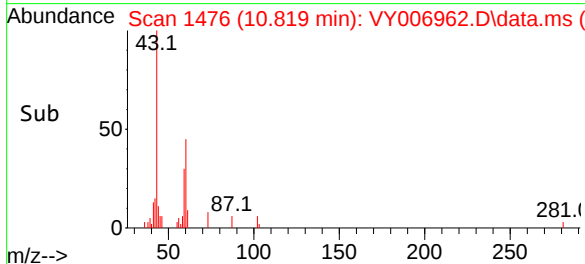
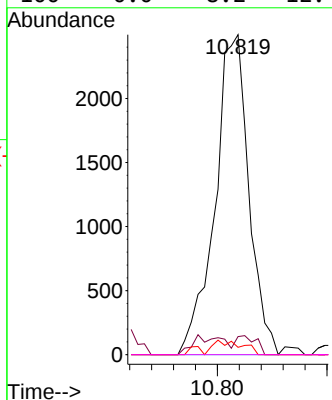


#48
2-Hexanone
Concen: 20.972 ug/L
RT: 10.819 min Scan# 1476
Delta R.T. -0.012 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Instrument :
MSVOA_Y
ClientSampleId :

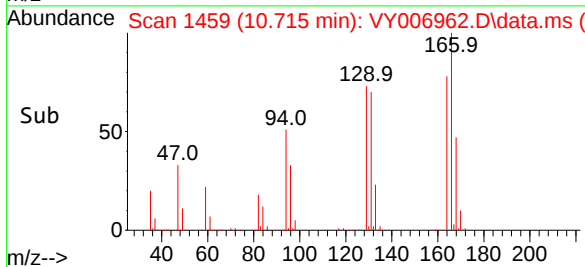
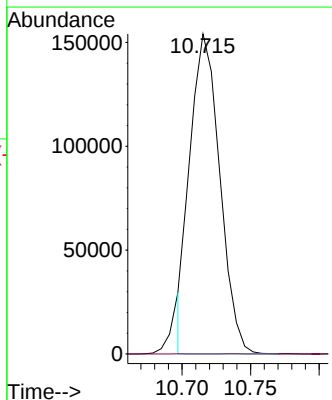
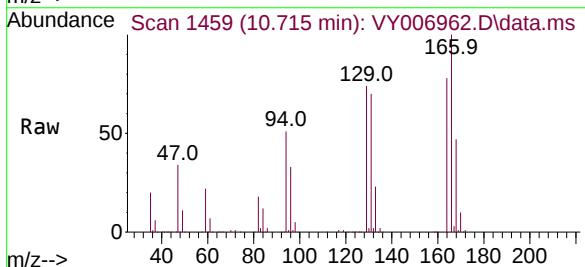


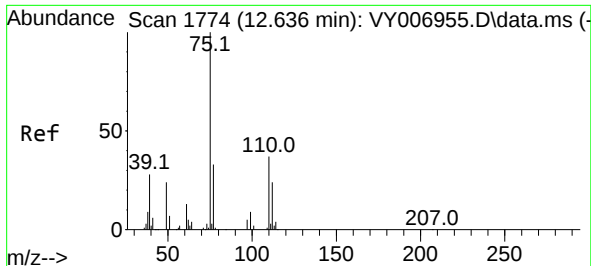
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Ion Ratio	Lower Upper
43 100	
58 3.5	39.9 59.9#
57 1.0	14.2 21.4#
100 0.0	8.2 12.4#



#49
Dibromochloromethane
Concen: 585.510 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. -0.268 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

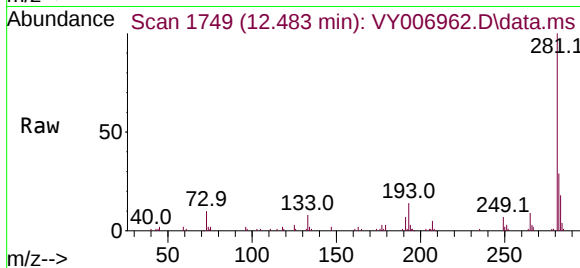
Tgt Ion:129	Resp: 232500		
Ion Ratio	Lower	Upper	
129 100			
127 0.0	52.1	96.9#	



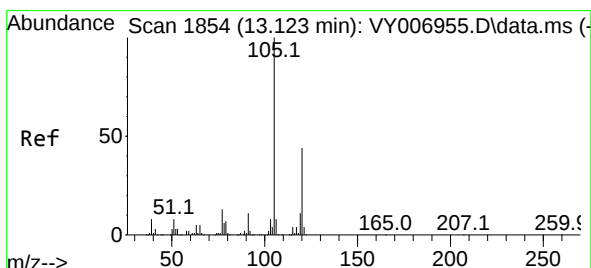
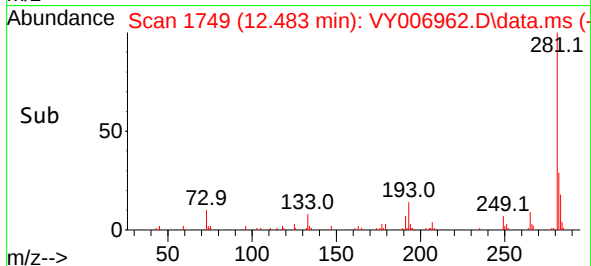
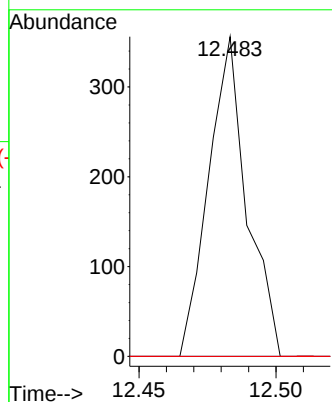


#61
 1,2,3-Trichloropropane
 Concen: 2.817 ug/L
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY006962.D
 Acq: 06 Dec 2021 15:51

Instrument :
 MSVOA_Y
 ClientSampleId :

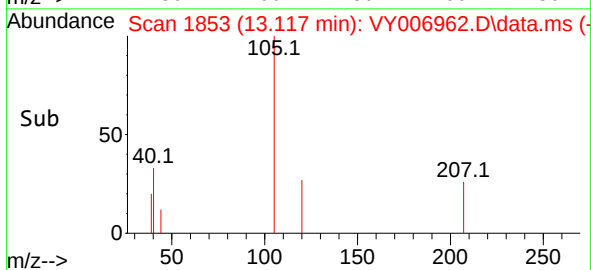
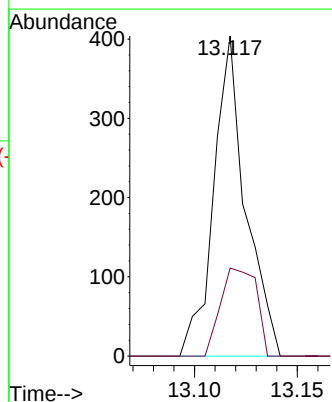
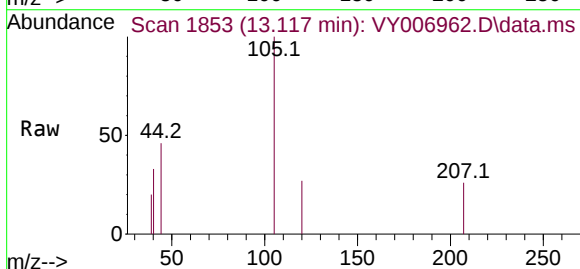


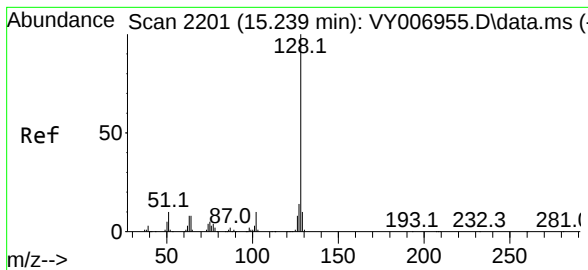
Tgt Ion: 75 Resp: 346
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 110 0.0 31.7 47.5#



#63
 1,2,4-Trimethylbenzene
 Concen: 0.733 ug/L
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: VY006962.D
 Acq: 06 Dec 2021 15:51

Tgt Ion: 105 Resp: 436
 Ion Ratio Lower Upper
 105 100
 120 31.0 36.0 54.0#





#71
Naphthalene
Concen: 2.767 ug/L
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY006962.D
Acq: 06 Dec 2021 15:51

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:	128	Resp:	1013
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	0.0	8.7	13.1#

