

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006967.D
 Acq On : 06 Dec 2021 17:41
 Operator : SY/MD
 Sample : M4887-12
 Misc : 5.58g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 00:48:26 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)

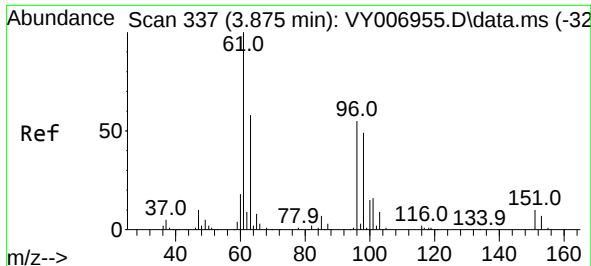
Internal Standards						
1) 1,4-Difluorobenzene	8.685	114	79808	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	35660	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	9323	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.241	65	40726	39.622	ug/L	-0.01
Spiked Amount 25.000	Range 30	- 150	Recovery	=	158.480%#	
7) Chloroethane-d5	2.766	69	27848	34.538	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	138.160%	
11) 1,1-Dichloroethene-d2	3.857	63	39101	18.298	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	73.200%	
21) 2-Butanone-d5	6.881	46	9768	24.605	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	49.200%	
24) Chloroform-d	7.472	84	50676	25.479	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	101.920%	
26) 1,2-Dichloroethane-d4	8.137	65	29041	24.326	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.320%	
32) Benzene-d6	8.106	84	90575	47.816	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	191.280%#	
36) 1,2-Dichloropropane-d6	9.118	67	27319	45.902	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	183.600%#	
41) Toluene-d8	10.179	98	50678	28.565	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	114.240%	
43) trans-1,3-Dichloroprop...	10.435	79	5755	19.991	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	79.960%	
47) 2-Hexanone-d5	10.782	63	5308	38.534	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	77.060%	
56) 1,1,2,2-Tetrachloroeth...	12.556	84	17631	35.558	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	142.240%#	
66) 1,2-Dichlorobenzene-d4	13.715	152	4809	15.818	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	63.280%#	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	3.875	96	2305	2.134	ug/L #	1
13) Acetone	3.942	43	1433	3.939	ug/L	68
20) cis-1,2-Dichloroethene	6.978	96	5794	4.692	ug/L	92
22) 2-Butanone	6.948	43	1417	2.784	ug/L #	64
33) Benzene	8.161	78	2623	1.094	ug/L	100
34) Trichloroethene	8.935	95	5759285	9752.932	ug/L	93
37) 1,2-Dichloropropane	9.112	63	3292	5.357	ug/L	99
42) Toluene	10.240	91	2619	1.024	ug/L	80
45) 1,1,2-Trichloroethane	10.642	97	29753	65.710	ug/L	98
46) Tetrachloroethene	10.715	164	24141	48.795	ug/L	96
48) 2-Hexanone	10.813	43	5138	14.525	ug/L #	44
49) Dibromochloromethane	10.715	129	21356	38.755	ug/L #	13
53) m,p-Xylene	11.697	106	1272	1.223	ug/L	85
54) o-Xylene	12.026	106	815	0.833	ug/L #	56
61) 1,2,3-Trichloropropane	12.813	75	316	1.394	ug/L #	58
71) Naphthalene	15.233	128	6597	9.769	ug/L #	94

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

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MSVOA_Y
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMILYM120321SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 07 00:43:47 2021
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 2.134 ug/L

RT: 3.875 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY006967.D

Acq: 06 Dec 2021 17:41

Instrument :

MSVOA_Y

ClientSampleId :

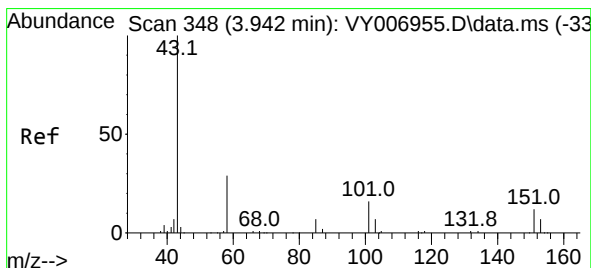
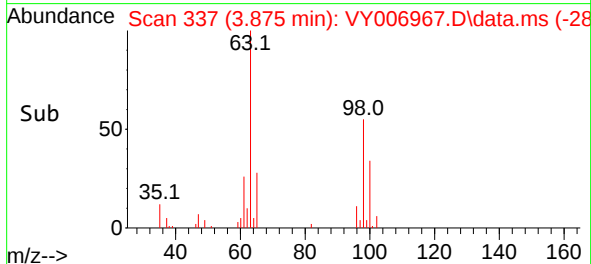
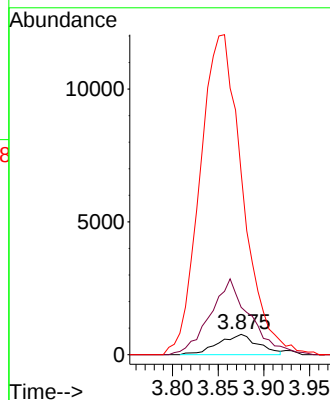
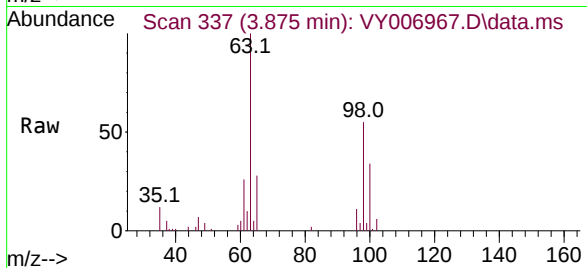
Tgt Ion: 96 Resp: 2305

Ion Ratio Lower Upper

96 100

61 232.8 123.3 229.1#

63 895.0 91.2 169.4#



#13

Acetone

Concen: 3.939 ug/L

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY006967.D

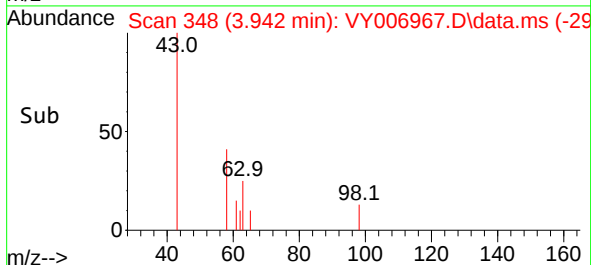
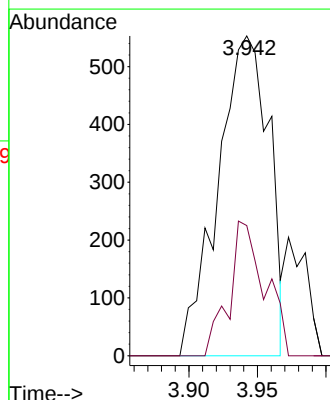
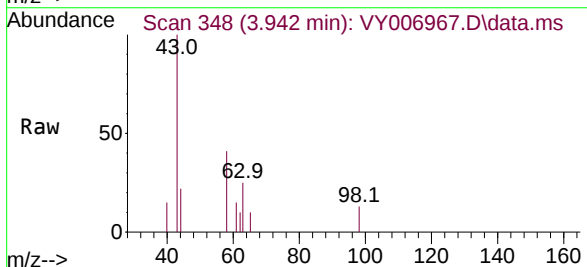
Acq: 06 Dec 2021 17:41

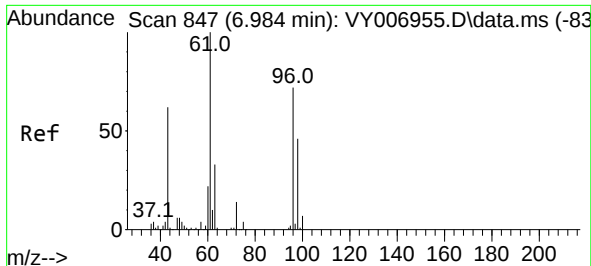
Tgt Ion: 43 Resp: 1433

Ion Ratio Lower Upper

43 100

58 13.0 0.0 60.8

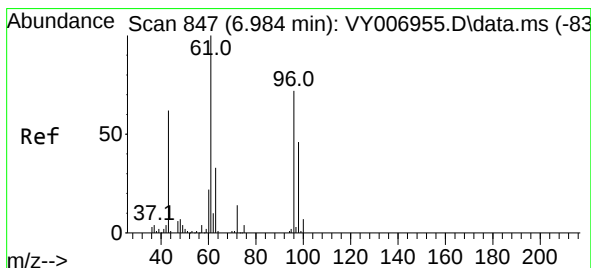
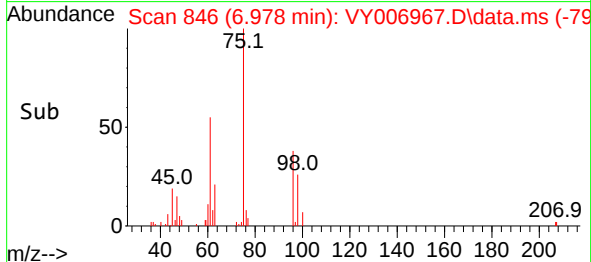
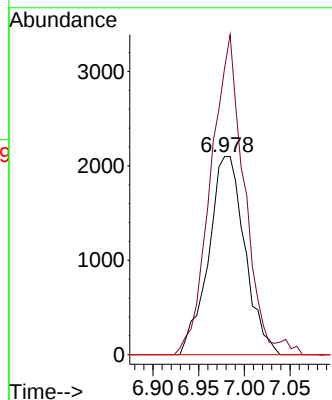
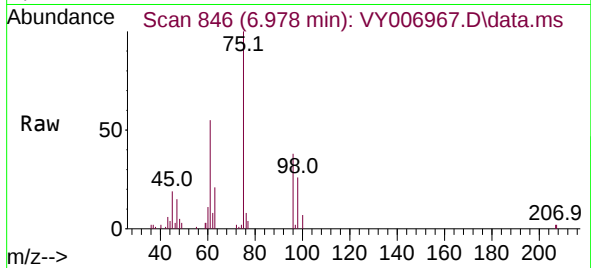




#20
 cis-1,2-Dichloroethene
 Concen: 4.692 ug/L
 RT: 6.978 min Scan# 846
 Delta R.T. -0.006 min
 Lab File: VY006967.D
 Acq: 06 Dec 2021 17:41

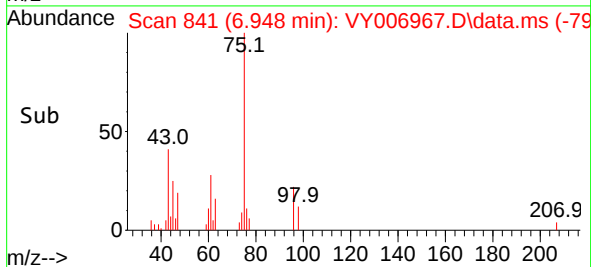
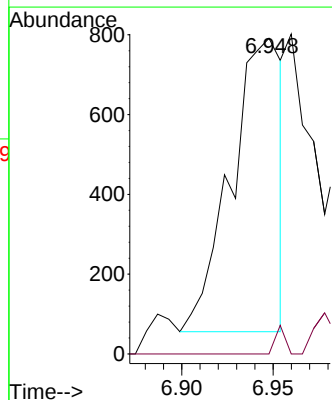
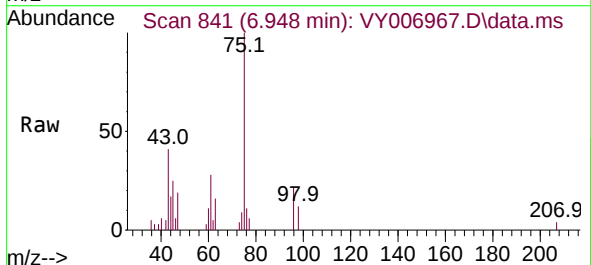
Instrument :
 MSVOA_Y
 ClientSampleId :

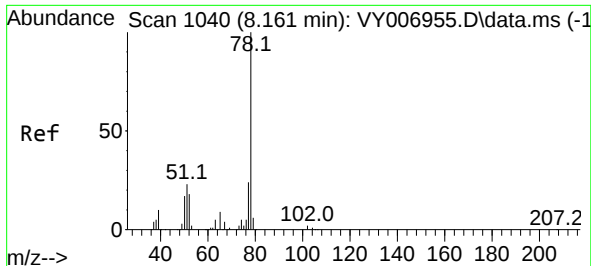
Tgt Ion: 96 Resp: 5794
 Ion Ratio Lower Upper
 96 100
 61 144.4 94.2 175.0
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 2.784 ug/L
 RT: 6.948 min Scan# 841
 Delta R.T. -0.036 min
 Lab File: VY006967.D
 Acq: 06 Dec 2021 17:41

Tgt Ion: 43 Resp: 1417
 Ion Ratio Lower Upper
 43 100
 72 7.6 12.9 38.6#

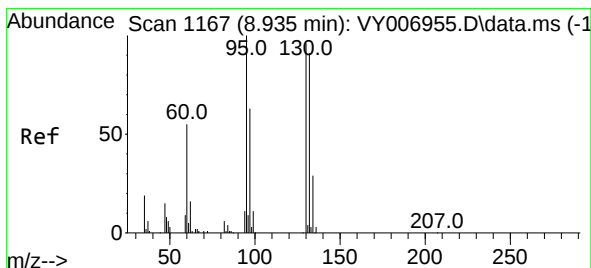
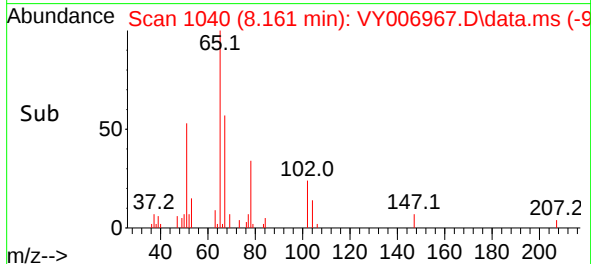
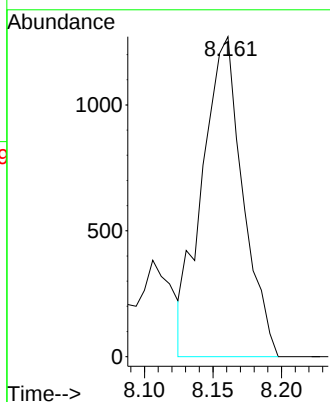
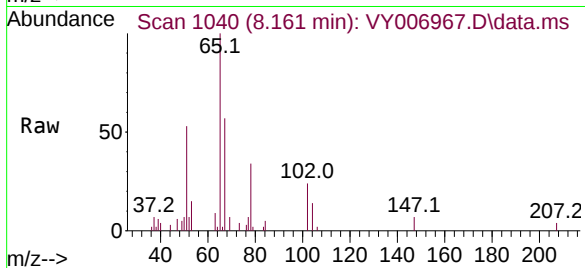




#33
Benzene
Concen: 1.094 ug/L
RT: 8.161 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY006967.D
Acq: 06 Dec 2021 17:41

Instrument :
MSVOA_Y
ClientSampleId :

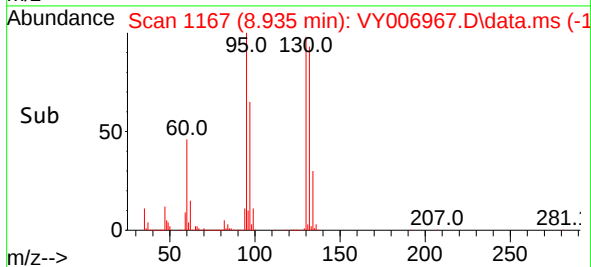
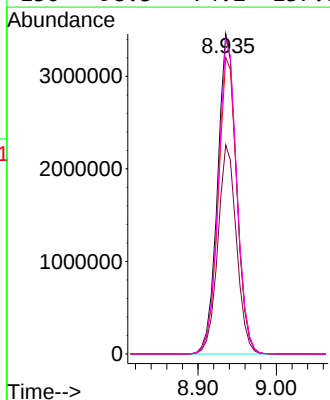
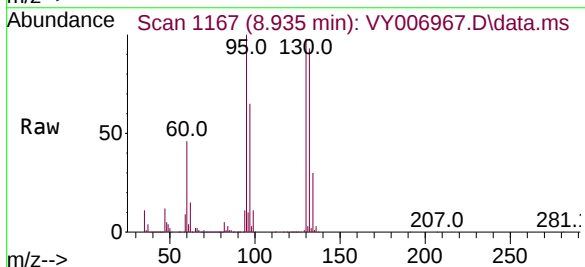
Tgt Ion: 78 Resp: 2623

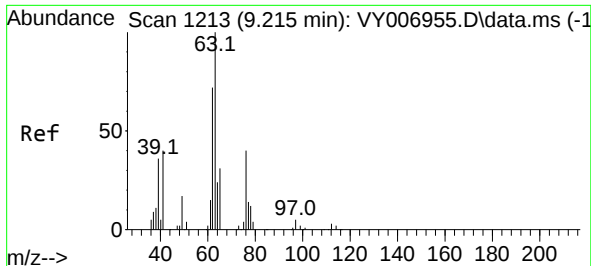


#34
Trichloroethene
Concen: 9752.932 ug/L
RT: 8.935 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VY006967.D
Acq: 06 Dec 2021 17:41

Tgt Ion: 95 Resp: 5759285

Ion	Ratio	Lower	Upper
95	100		
97	65.4	47.3	87.8
132	92.6	71.3	132.5
130	98.3	74.2	137.8





#37

1,2-Dichloropropane

Concen: 5.357 ug/L

RT: 9.112 min Scan# 1196

Delta R.T. -0.104 min

Lab File: VY006967.D

Acq: 06 Dec 2021 17:41

Instrument :

MSVOA_Y

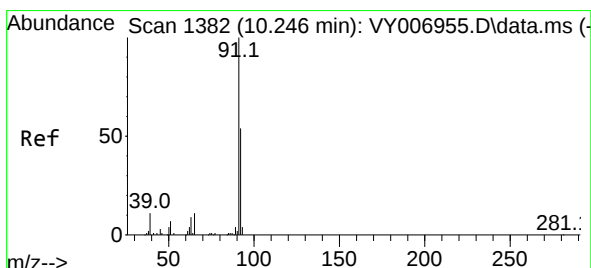
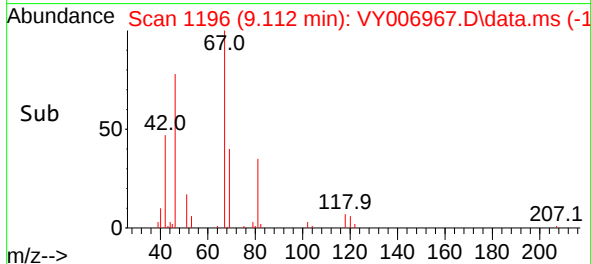
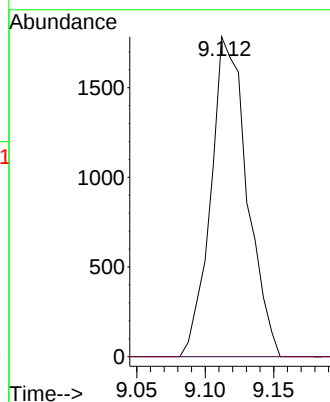
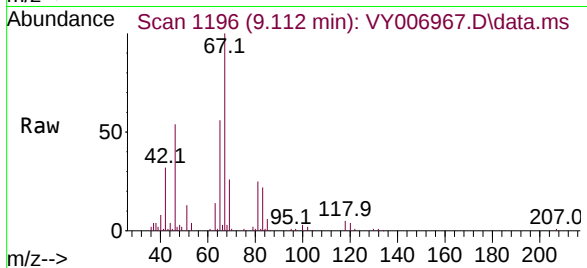
ClientSampleId :

Tgt Ion: 63 Resp: 3292

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.2



#42

Toluene

Concen: 1.024 ug/L

RT: 10.240 min Scan# 1381

Delta R.T. -0.006 min

Lab File: VY006967.D

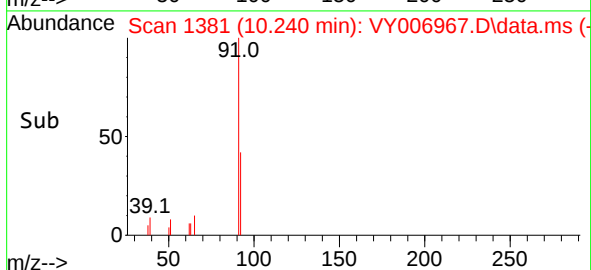
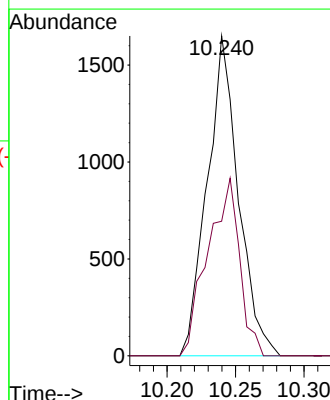
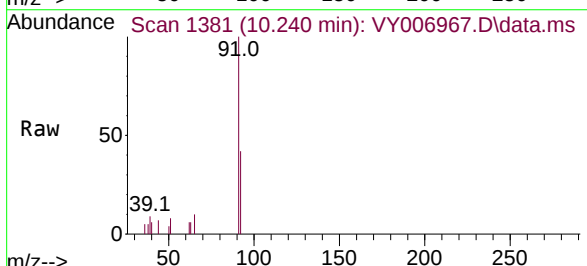
Acq: 06 Dec 2021 17:41

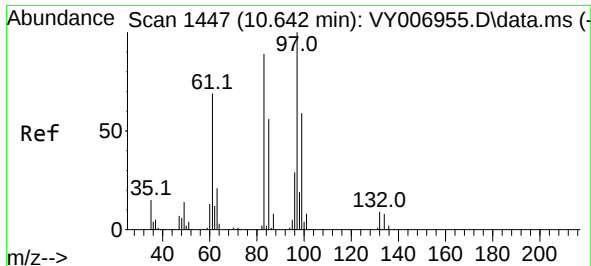
Tgt Ion: 91 Resp: 2619

Ion Ratio Lower Upper

91 100

92 42.1 39.8 74.0

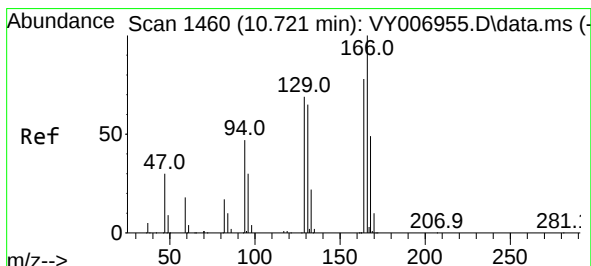
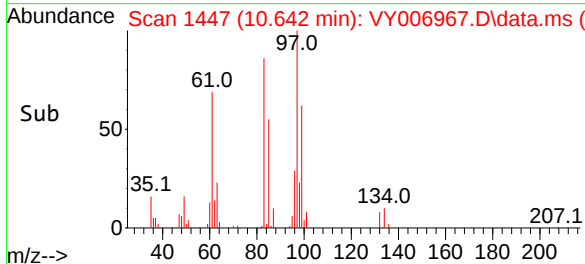
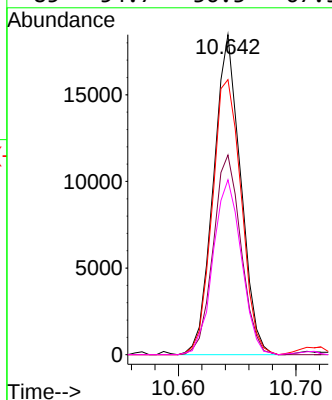
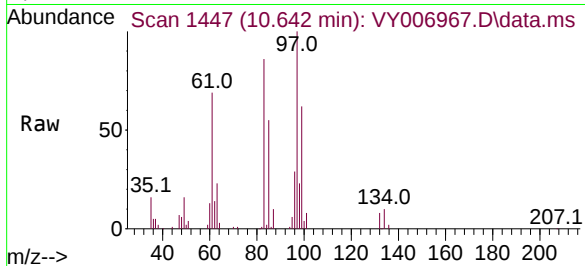




#45
1,1,2-Trichloroethane
Concen: 65.710 ug/L
RT: 10.642 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VY006967.D
Acq: 06 Dec 2021 17:41

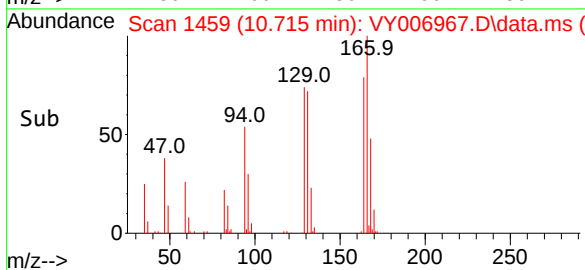
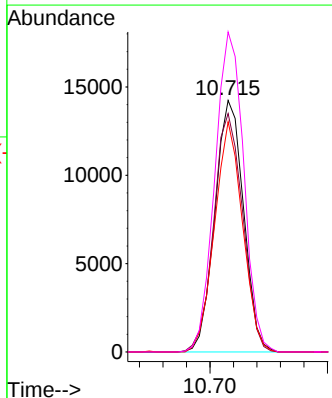
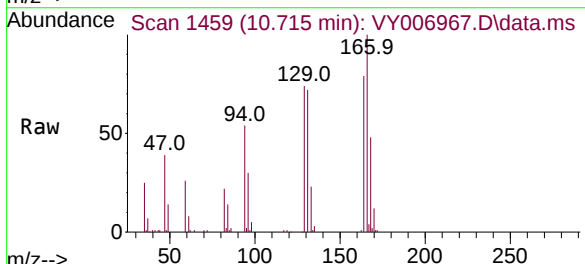
Instrument :
MSVOA_Y
ClientSampleId :

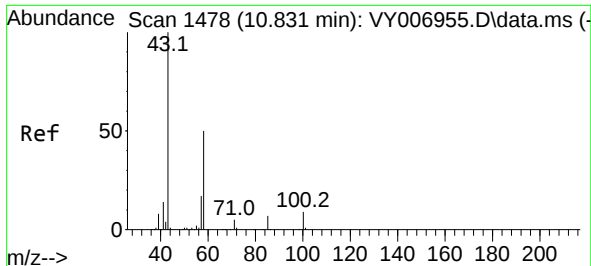
Tgt Ion: 97	Resp: 29753
Ion Ratio	Lower Upper
97 100	
99 62.4	43.0 79.8
83 86.0	58.9 109.3
85 54.7	36.3 67.3



#46
Tetrachloroethene
Concen: 48.795 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY006967.D
Acq: 06 Dec 2021 17:41

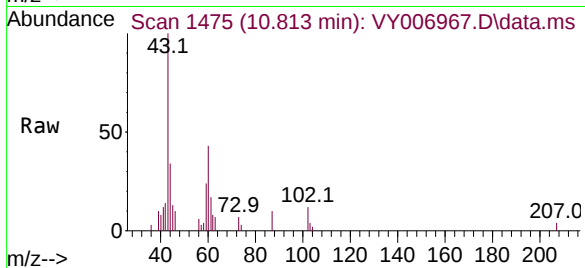
Tgt Ion:164	Resp: 24141
Ion Ratio	Lower Upper
164 100	
129 94.7	62.1 115.3
131 91.6	61.0 113.2
166 127.2	90.4 168.0



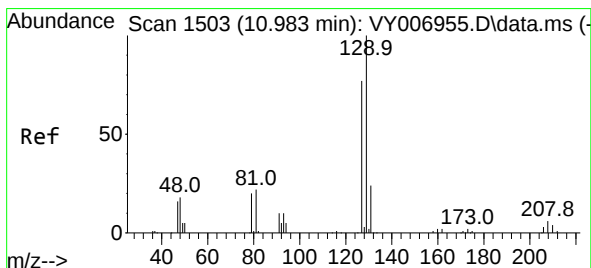
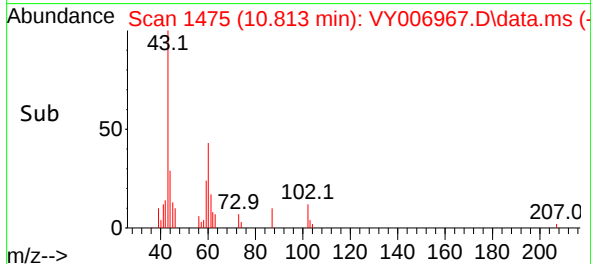
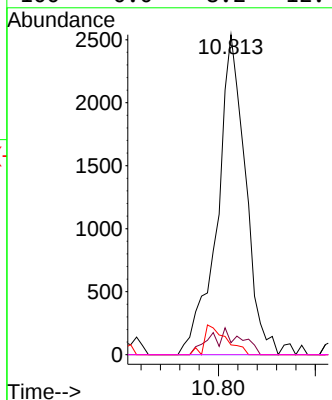


#48
2-Hexanone
Concen: 14.525 ug/L
RT: 10.813 min Scan# 1478
Delta R.T. -0.018 min
Lab File: VY006967.D
Acq: 06 Dec 2021 17:41

Instrument :
MSVOA_Y
ClientSampleId :

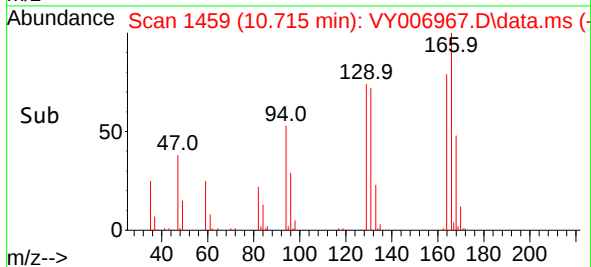
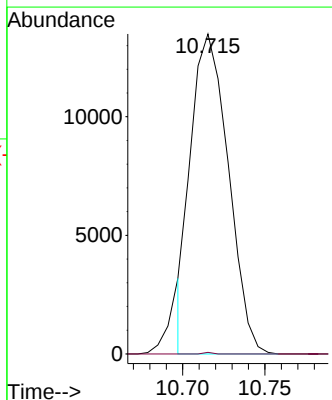
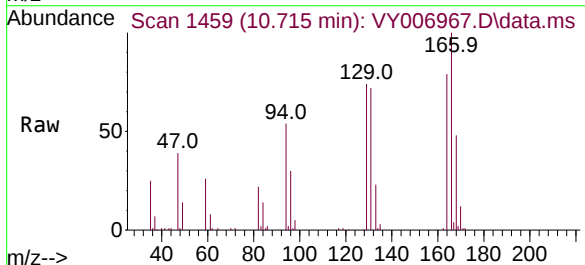


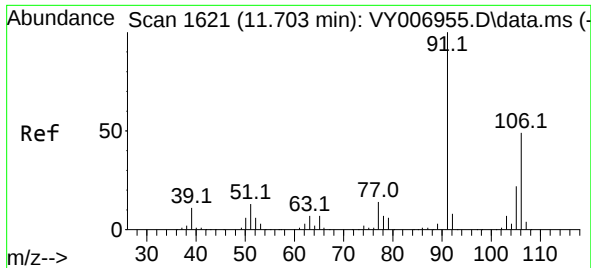
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Ion Ratio	Lower Upper
43	100
58	3.3 39.9 59.9#
57	0.0 14.2 21.4#
100	0.0 8.2 12.4#



#49
Dibromochloromethane
Concen: 38.755 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. -0.268 min
Lab File: VY006967.D
Acq: 06 Dec 2021 17:41

Tgt Ion: 129	Resp: 21356
Ion Ratio	Lower Upper
129	100
127	0.5 52.1 96.9#

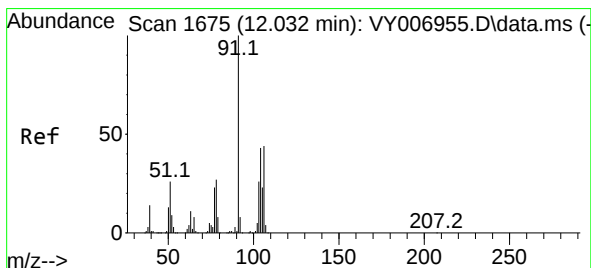
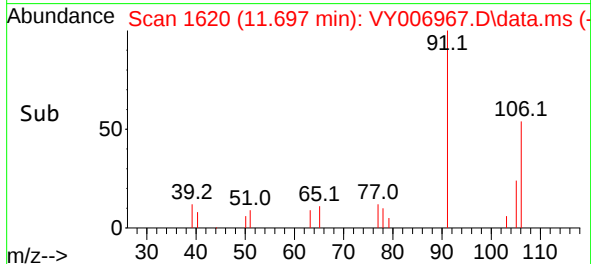
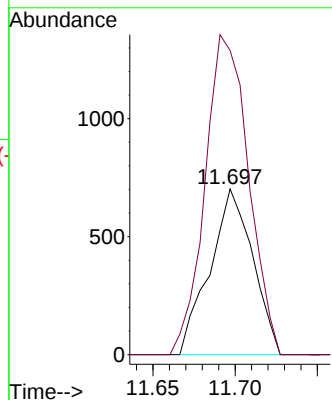
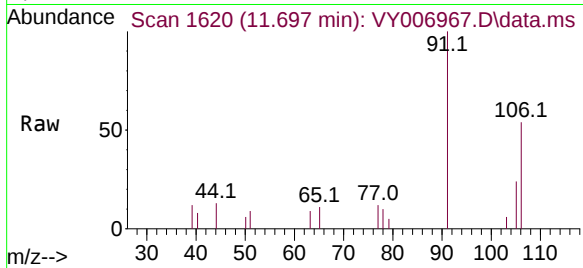




#53
m,p-Xylene
Concen: 1.223 ug/L
RT: 11.697 min Scan# 11697
Delta R.T. -0.006 min
Lab File: VY006967.D
Acq: 06 Dec 2021 17:41

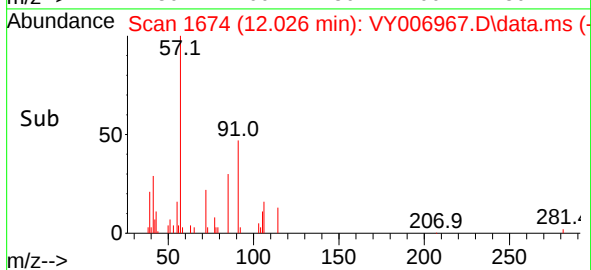
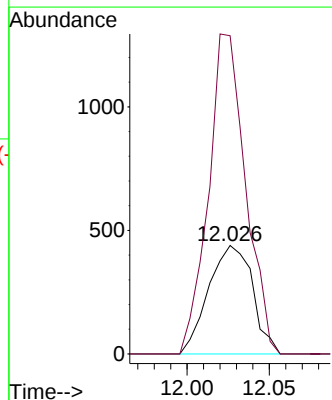
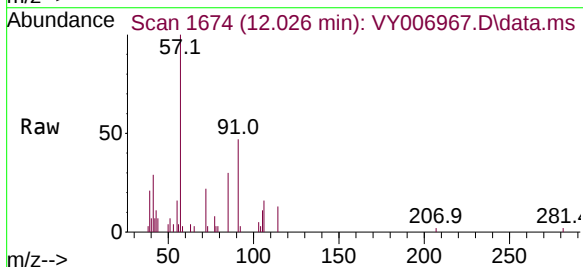
Instrument :
MSVOA_Y
ClientSampleId :

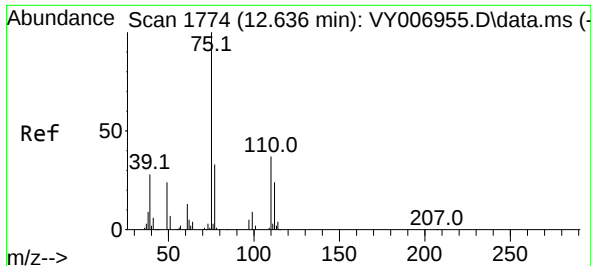
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Ion Ratio Lower Upper
106 100
91 183.6 144.7 268.7



#54
o-Xylene
Concen: 0.833 ug/L
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY006967.D
Acq: 06 Dec 2021 17:41

Tgt Ion:106 Resp: 815
Ion Ratio Lower Upper
106 100
91 293.4 155.5 288.7#





#61

1,2,3-Trichloropropane

Concen: 1.394 ug/L

RT: 12.813 min Scan# 11

Delta R.T. 0.177 min

Lab File: VY006967.D

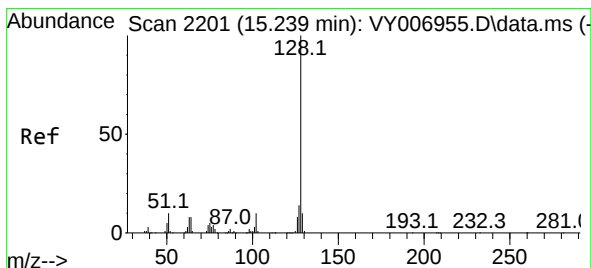
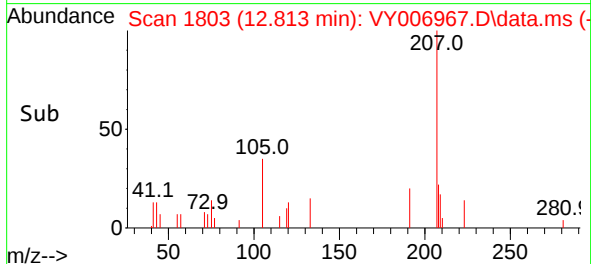
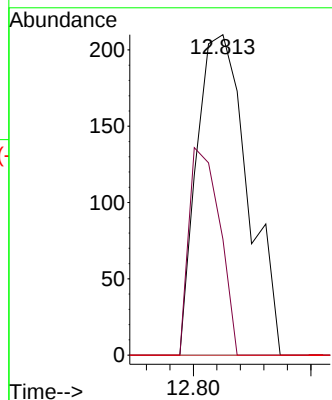
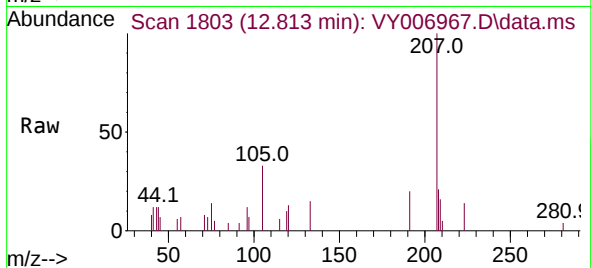
Acq: 06 Dec 2021 17:41

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	316
Ion Ratio	Lower	Upper
75	100	
77	39.2	25.4 38.0#
110	0.0	31.7 47.5#



#71

Naphthalene

Concen: 9.769 ug/L

RT: 15.233 min Scan# 2200

Delta R.T. -0.006 min

Lab File: VY006967.D

Acq: 06 Dec 2021 17:41

Tgt Ion: 128	Resp:	6597
Ion Ratio	Lower	Upper
128	100	
127	14.6	10.8 16.2
129	7.1	8.7 13.1#

