

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006976.D
 Acq On : 06 Dec 2021 22:48
 Operator : SY/MD
 Sample : M4887-22
 Misc : 2.74g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 04:14:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 07 04:00:28 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.685	114	44534	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	26983	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	5605	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	28415	49.541	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 198.160%#	
7) Chloroethane-d5	2.766	69	23284	51.750	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 207.000%#	
11) 1,1-Dichloroethene-d2	3.851	63	30495	25.575	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 102.280%	
21) 2-Butanone-d5	6.881	46	13368	60.344	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 120.680%	
24) Chloroform-d	7.478	84	50017	45.067	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 180.280%#	
26) 1,2-Dichloroethane-d4	8.143	65	27916	41.905	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 167.600%#	
32) Benzene-d6	8.106	84	72068	50.280	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 201.120%#	
36) 1,2-Dichloropropane-d6	9.118	67	33185	73.688	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 294.760%#	
41) Toluene-d8	10.179	98	50297	37.467	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 149.880%#	
43) trans-1,3-Dichloroprop...	10.435	79	6389	29.331	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 117.320%	
47) 2-Hexanone-d5	10.782	63	5562	53.363	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 106.720%	
56) 1,1,2,2-Tetrachloroeth...	12.556	84	23567	62.813	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 251.240%#	
66) 1,2-Dichlorobenzene-d4	13.721	152	5015	27.437	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 109.760%	
Target Compounds						Qvalue
13) Acetone	3.936	43	3410	16.796	ug/L	90
15) Methyl Acetate	4.473	43	823	1.859	ug/L #	54
16) Methylene chloride	4.716	84	10082	12.624	ug/L	84
22) 2-Butanone	6.936	43	1609	5.665	ug/L #	49
27) 1,2-Dichloroethane	8.234	62	7119	8.068	ug/L	97
33) Benzene	8.161	78	3405	1.877	ug/L	100
34) Trichloroethene	8.935	95	21127	47.282	ug/L	95
37) 1,2-Dichloropropane	9.118	63	3795	8.161	ug/L #	87
39) cis-1,3-Dichloropropene	9.892	75	751	1.029	ug/L #	43
42) Toluene	10.240	91	9645	4.984	ug/L	100
46) Tetrachloroethene	10.715	164	1011	2.701	ug/L	81
48) 2-Hexanone	10.813	43	1581	5.907	ug/L #	49
49) Dibromochloromethane	10.709	129	879	2.108	ug/L #	12
53) m,p-Xylene	11.697	106	706	0.897	ug/L	89
61) 1,2,3-Trichloropropane	12.483	75	463	3.398	ug/L #	39
63) 1,2,4-Trimethylbenzene	13.123	105	436	0.661	ug/L #	81
71) Naphthalene	15.233	128	519	1.278	ug/L #	80
72) 1,2,3-Trichlorobenzene	15.428	180	184	1.075	ug/L #	40

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Quant Title : VOC Analysis
QLast Update : Tue Dec 07 04:00:28 2021
Response via : Initial Calibration

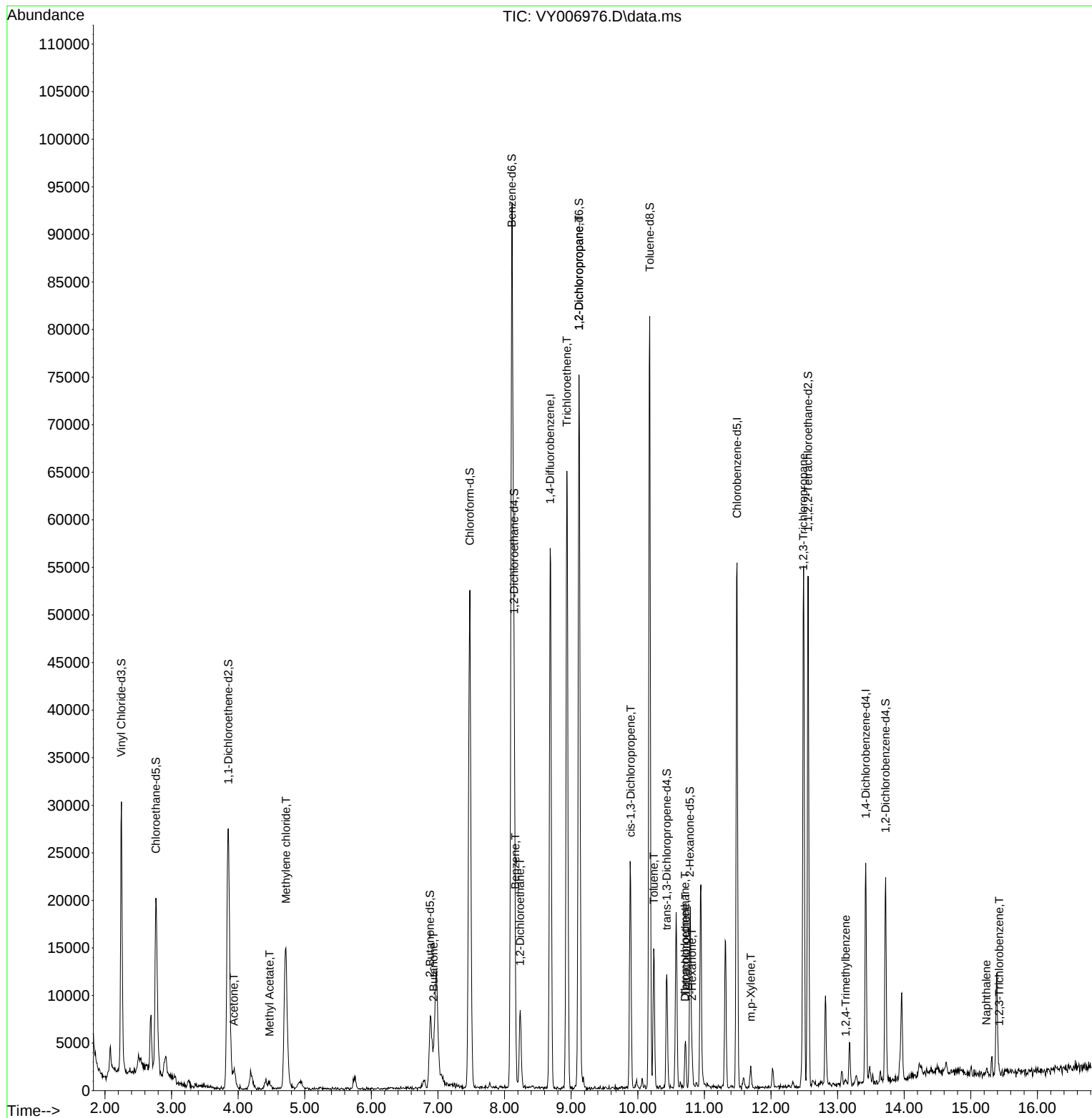
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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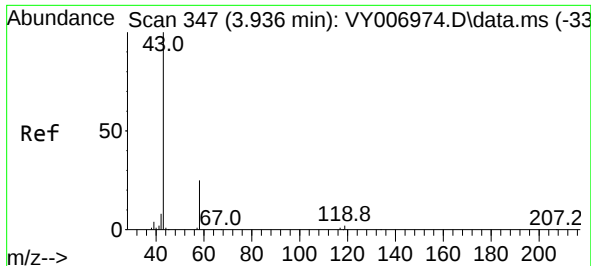
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 07 04:14:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL120321SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 07 04:00:28 2021
Response via : Initial Calibration





#13

Acetone

Concen: 16.796 ug/L

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY006976.D

Acq: 06 Dec 2021 22:48

Instrument :

MSVOA_Y

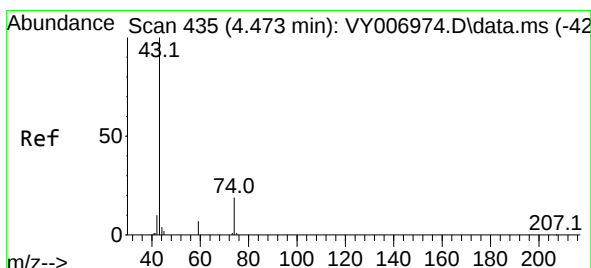
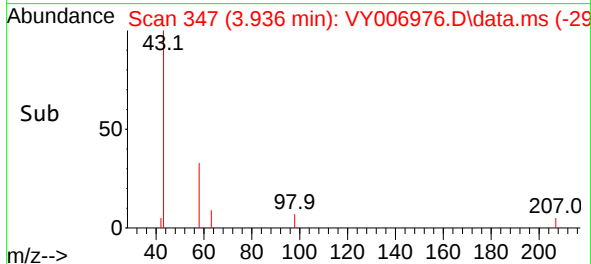
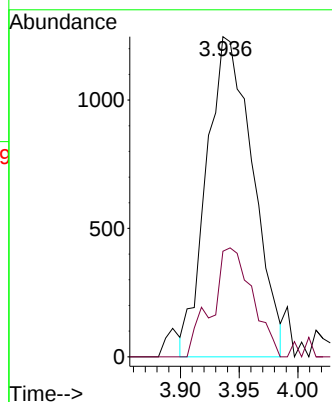
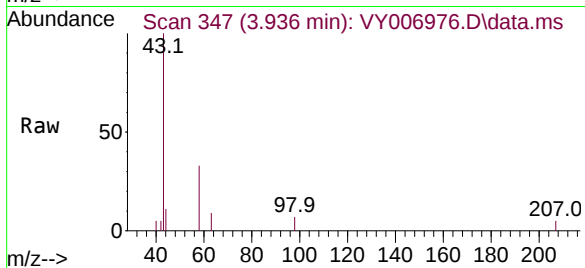
ClientSampleId :

Tgt Ion: 43 Resp: 3410

Ion Ratio Lower Upper

43 100

58 24.9 0.0 60.8



#15

Methyl Acetate

Concen: 1.859 ug/L

RT: 4.473 min Scan# 435

Delta R.T. 0.000 min

Lab File: VY006976.D

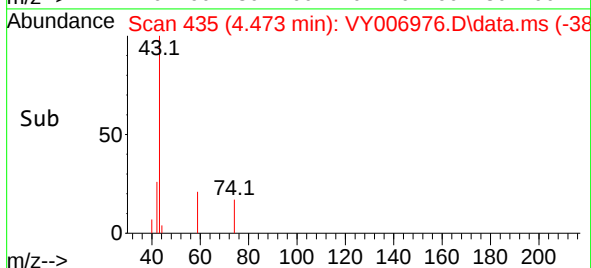
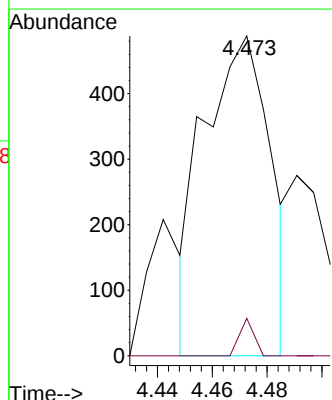
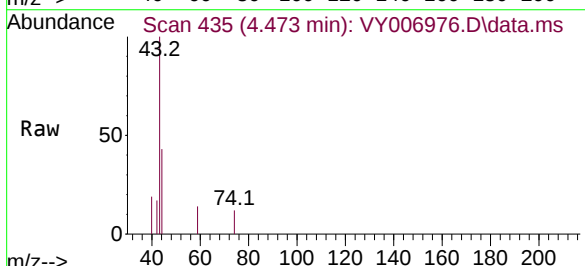
Acq: 06 Dec 2021 22:48

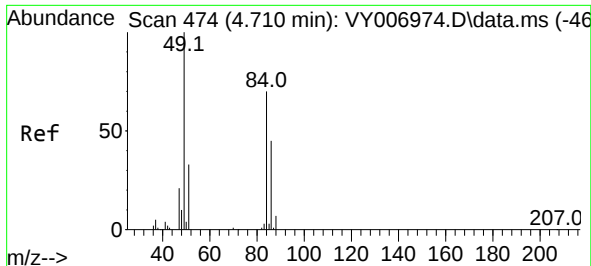
Tgt Ion: 43 Resp: 823

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#

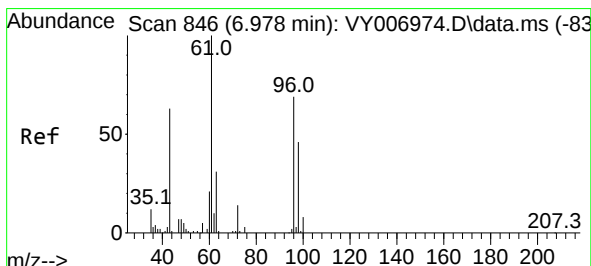
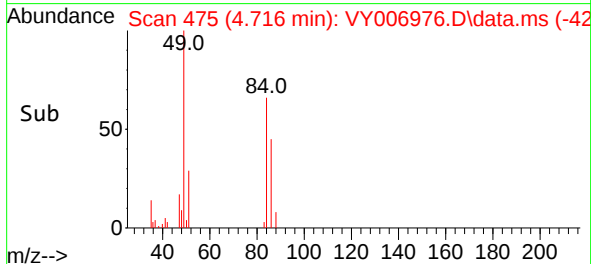
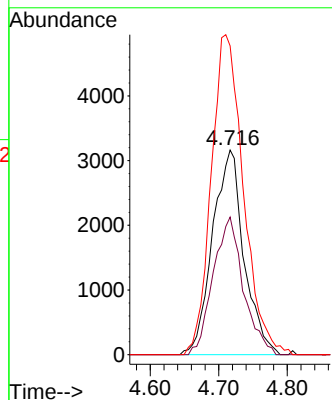
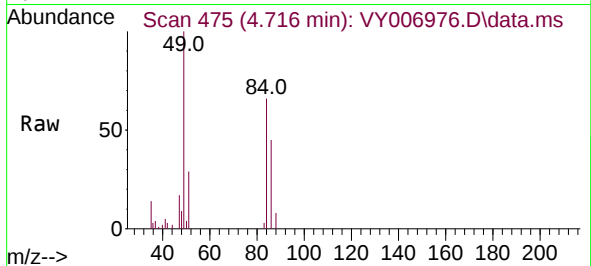




#16
Methylene chloride
Concen: 12.624 ug/L
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY006976.D
Acq: 06 Dec 2021 22:48

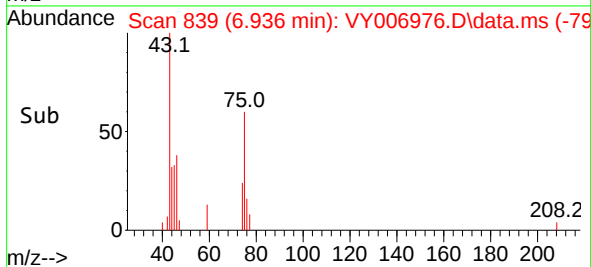
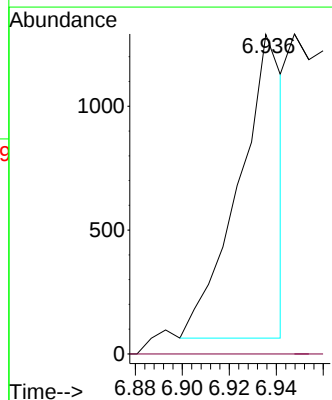
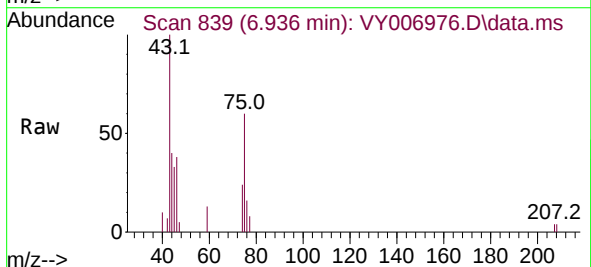
Instrument :
MSVOA_Y
ClientSampleId :

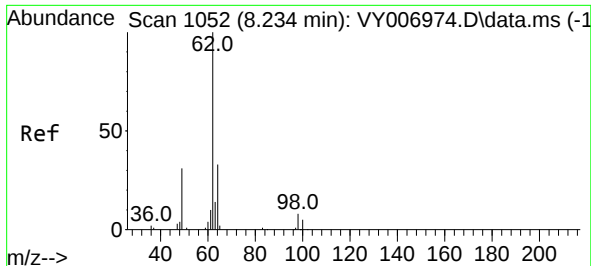
Tgt Ion: 84 Resp: 10082
Ion Ratio Lower Upper
84 100
86 67.2 43.4 80.6
49 150.9 89.1 165.5



#22
2-Butanone
Concen: 5.665 ug/L
RT: 6.936 min Scan# 839
Delta R.T. -0.043 min
Lab File: VY006976.D
Acq: 06 Dec 2021 22:48

Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
72 0.0 12.9 38.6#





#27

1,2-Dichloroethane

Concen: 8.068 ug/L

RT: 8.234 min Scan# 10

Delta R.T. 0.000 min

Lab File: VY006976.D

Acq: 06 Dec 2021 22:48

Instrument :

MSVOA_Y

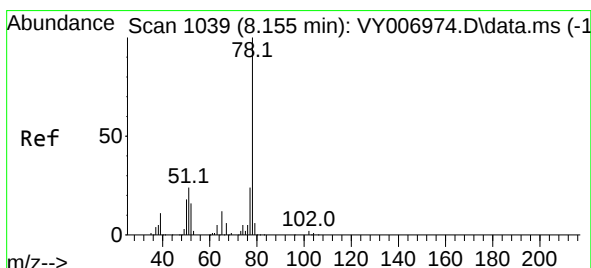
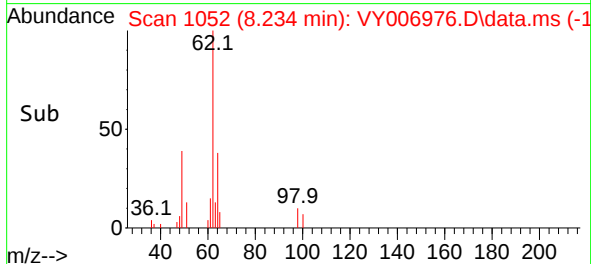
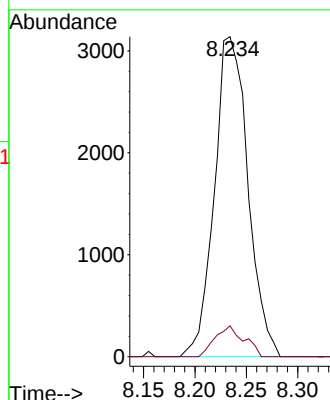
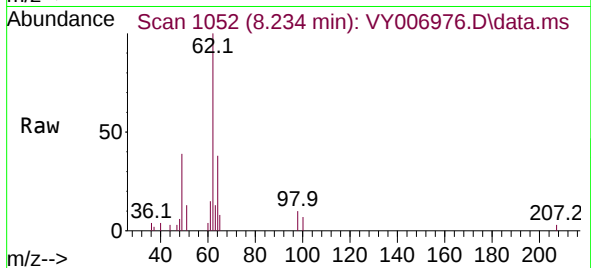
ClientSampleId :

Tgt Ion: 62 Resp: 7119

Ion Ratio Lower Upper

62 100

98 9.7 6.9 10.3



#33

Benzene

Concen: 1.877 ug/L

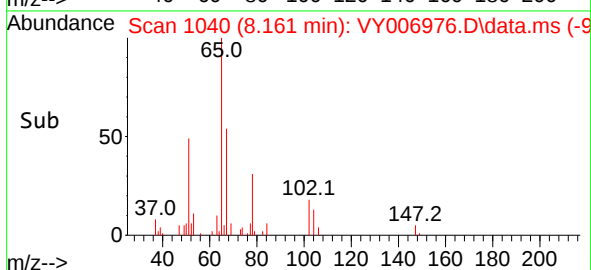
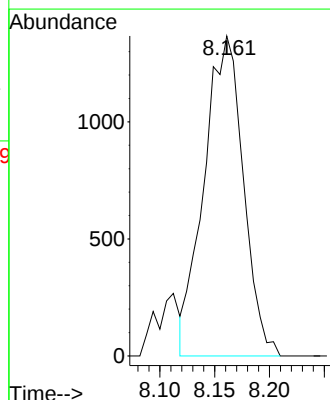
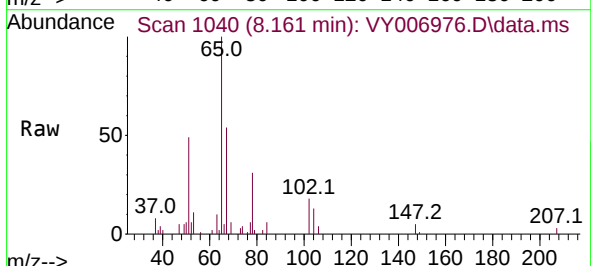
RT: 8.161 min Scan# 1040

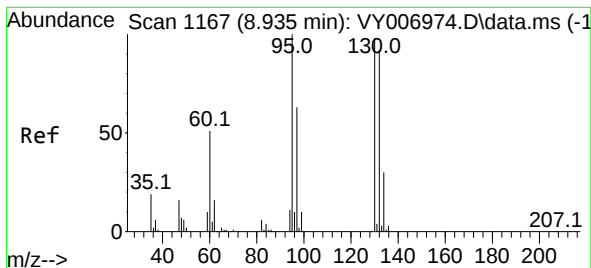
Delta R.T. 0.006 min

Lab File: VY006976.D

Acq: 06 Dec 2021 22:48

Tgt Ion: 78 Resp: 3405





#34

Trichloroethene

Concen: 47.282 ug/L

RT: 8.935 min Scan# 1167

Delta R.T. 0.000 min

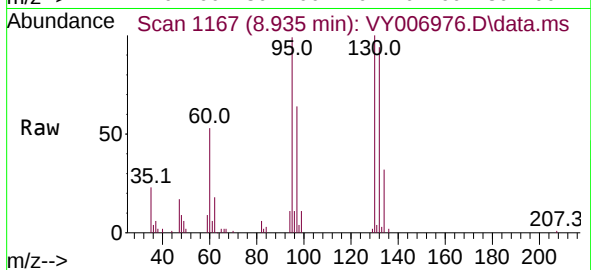
Lab File: VY006976.D

Acq: 06 Dec 2021 22:48

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 95 Resp: 21127

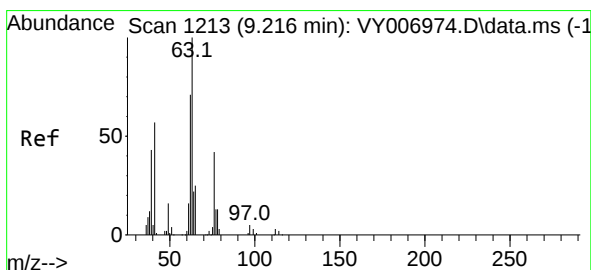
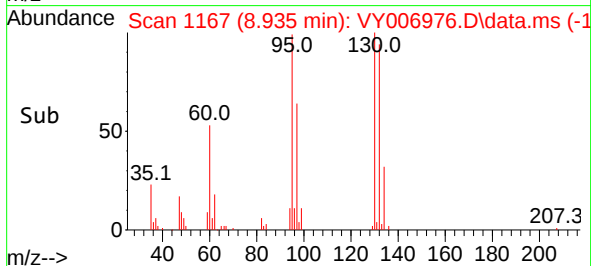
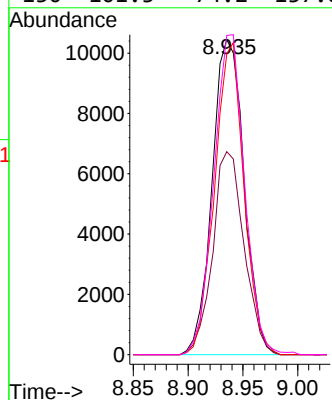
Ion Ratio Lower Upper

95 100

97 64.4 47.3 87.8

132 95.4 71.3 132.5

130 101.3 74.2 137.8



#37

1,2-Dichloropropane

Concen: 8.161 ug/L

RT: 9.118 min Scan# 1197

Delta R.T. -0.098 min

Lab File: VY006976.D

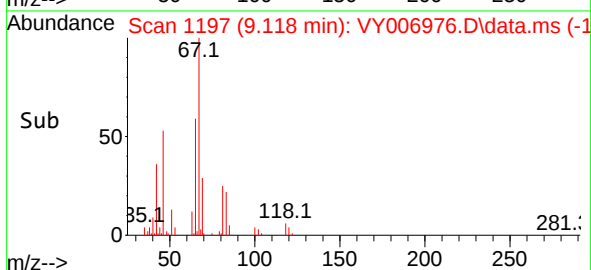
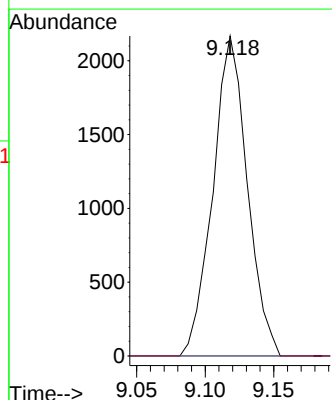
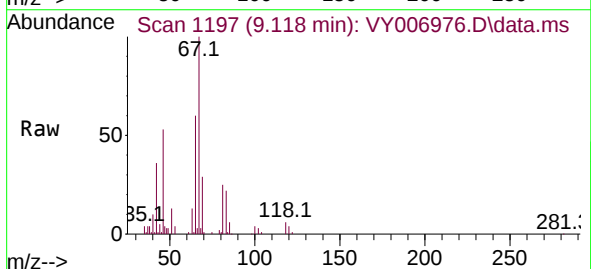
Acq: 06 Dec 2021 22:48

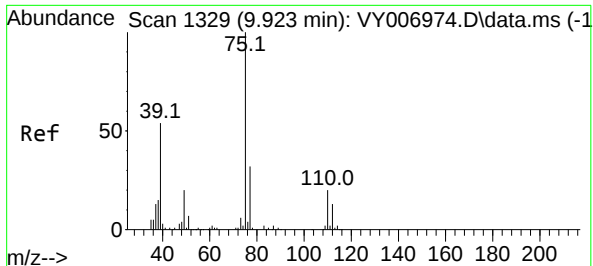
Tgt Ion: 63 Resp: 3795

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 1.029 ug/L

RT: 9.892 min Scan# 1324

Delta R.T. -0.030 min

Lab File: VY006976.D

Acq: 06 Dec 2021 22:48

Instrument :

MSVOA_Y

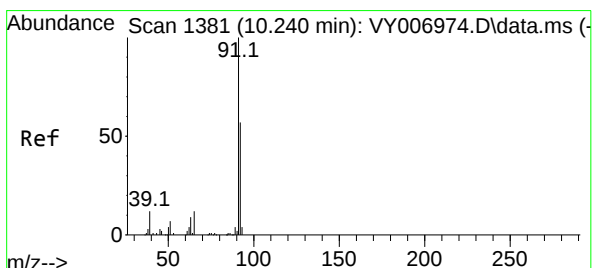
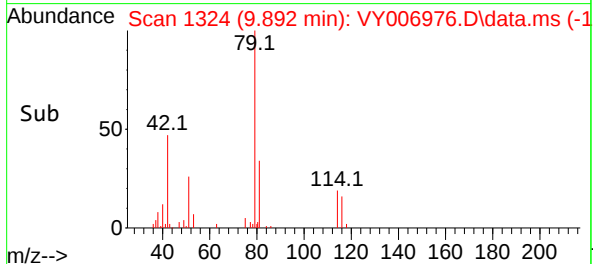
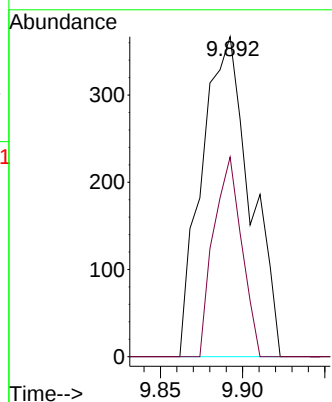
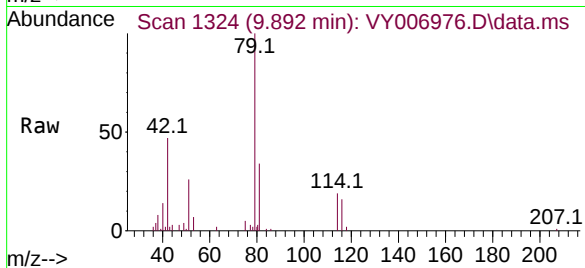
ClientSampleId :

Tgt Ion: 75 Resp: 751

Ion Ratio Lower Upper

75 100

77 62.4 21.8 40.6#



#42

Toluene

Concen: 4.984 ug/L

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY006976.D

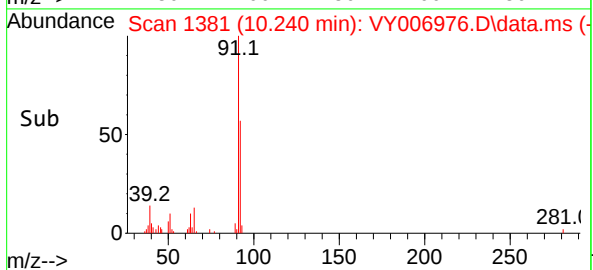
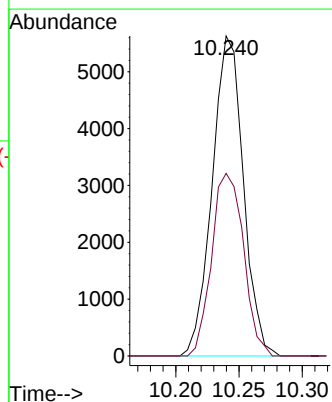
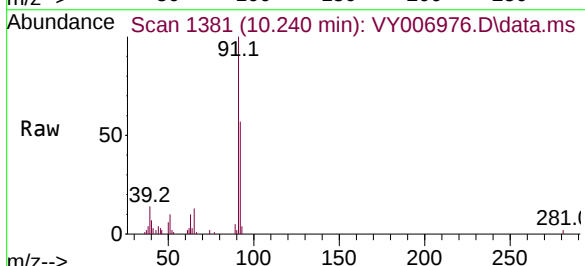
Acq: 06 Dec 2021 22:48

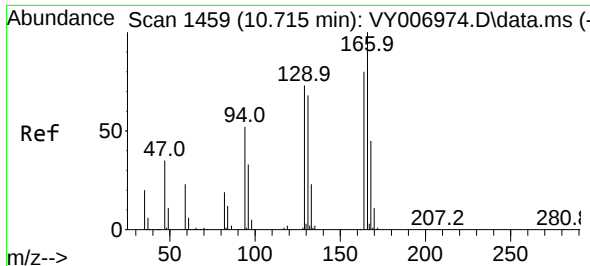
Tgt Ion: 91 Resp: 9645

Ion Ratio Lower Upper

91 100

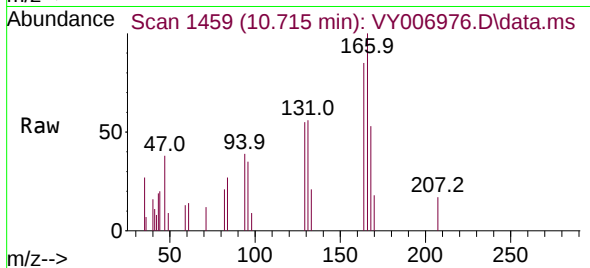
92 57.1 39.8 74.0



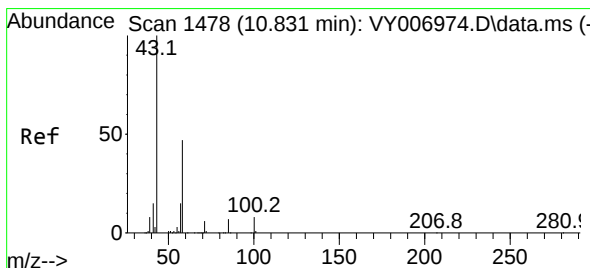
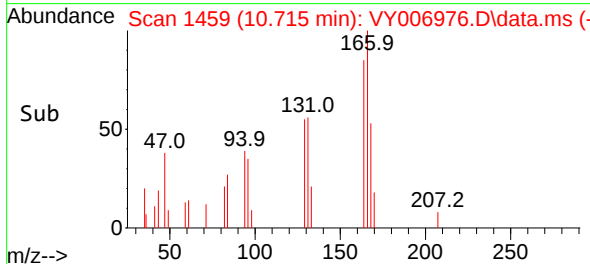
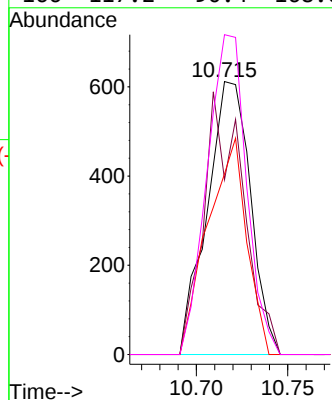


#46
Tetrachloroethene
Concen: 2.701 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY006976.D
Acq: 06 Dec 2021 22:48

Instrument :
MSVOA_Y
ClientSampleId :

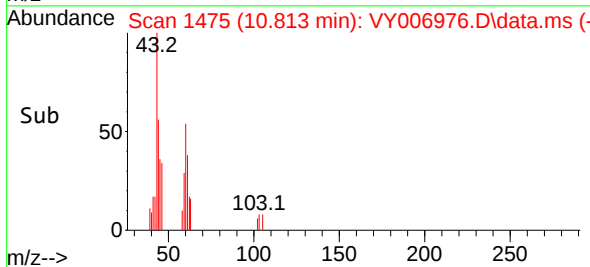
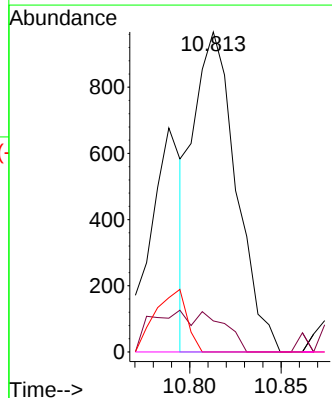
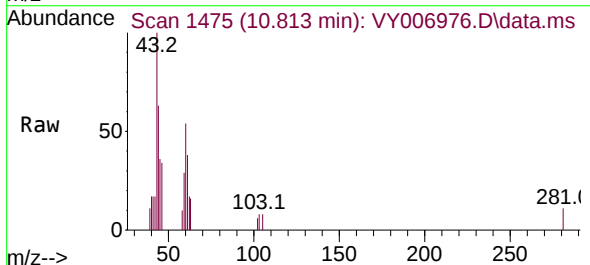


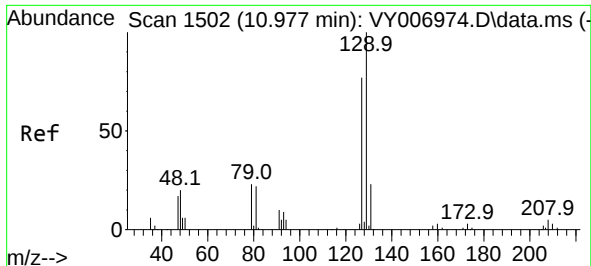
Tgt Ion:164 Resp: 1011
Ion Ratio Lower Upper
164 100
129 64.1 62.1 115.3
131 66.2 61.0 113.2
166 117.2 90.4 168.0



#48
2-Hexanone
Concen: 5.907 ug/L
RT: 10.813 min Scan# 1475
Delta R.T. -0.018 min
Lab File: VY006976.D
Acq: 06 Dec 2021 22:48

Tgt Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
58 8.4 39.9 59.9#
57 0.0 14.2 21.4#
100 0.0 8.2 12.4#





#49

Dibromochloromethane

Concen: 2.108 ug/L

RT: 10.709 min Scan# 1458

Delta R.T. -0.268 min

Lab File: VY006976.D

Acq: 06 Dec 2021 22:48

Instrument :

MSVOA_Y

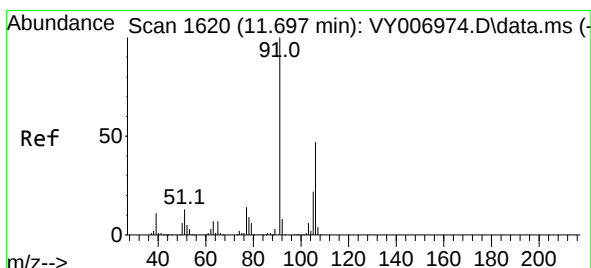
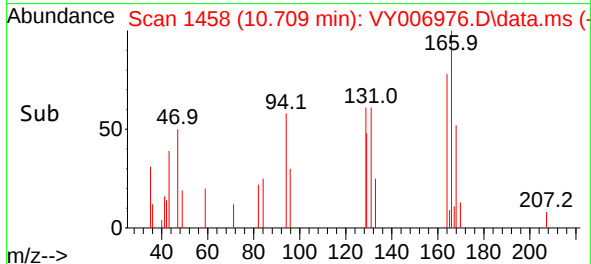
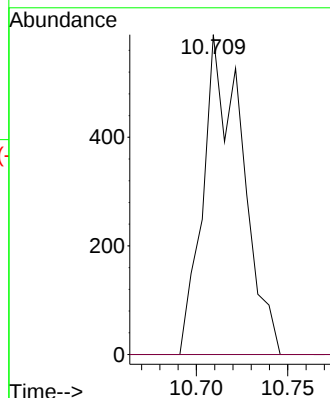
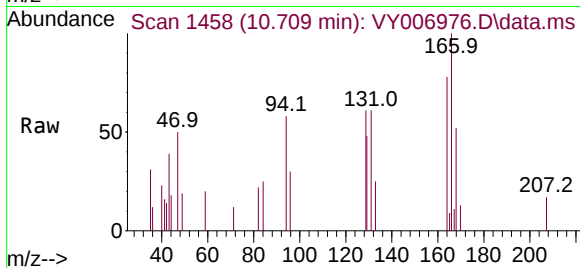
ClientSampleId :

Tgt Ion:129 Resp: 879

Ion Ratio Lower Upper

129 100

127 0.0 52.1 96.9#



#53

m,p-Xylene

Concen: 0.897 ug/L

RT: 11.697 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VY006976.D

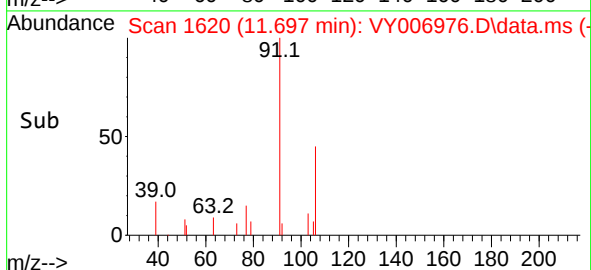
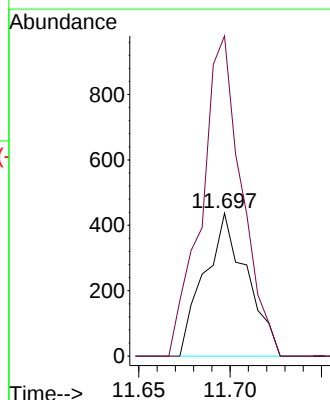
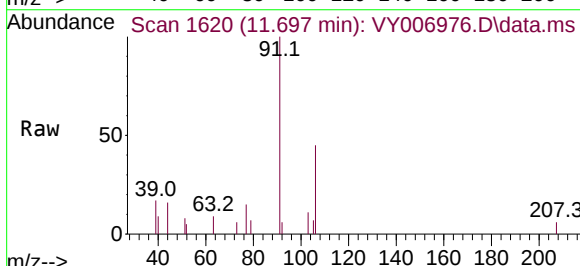
Acq: 06 Dec 2021 22:48

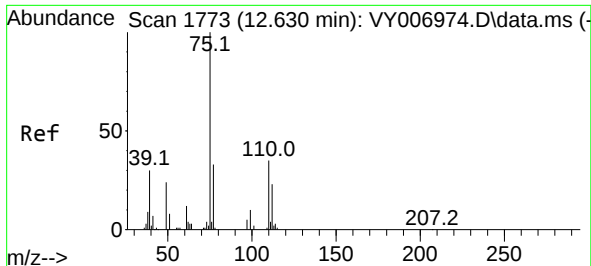
Tgt Ion:106 Resp: 706

Ion Ratio Lower Upper

106 100

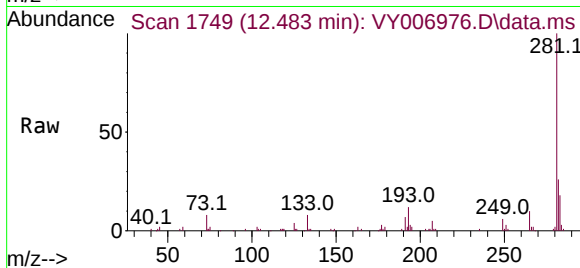
91 224.0 144.7 268.7



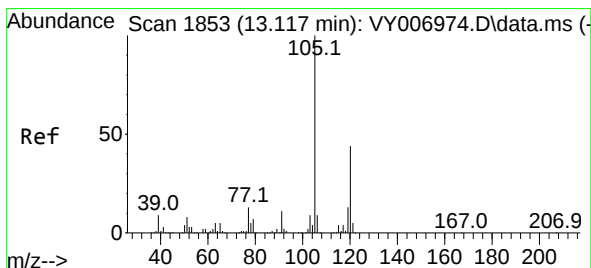
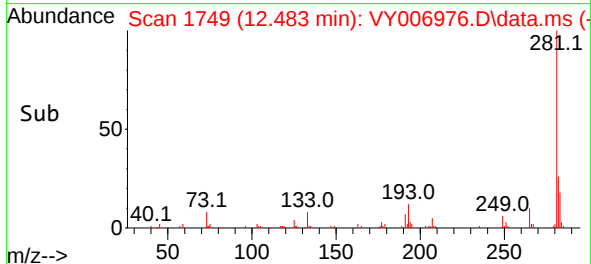
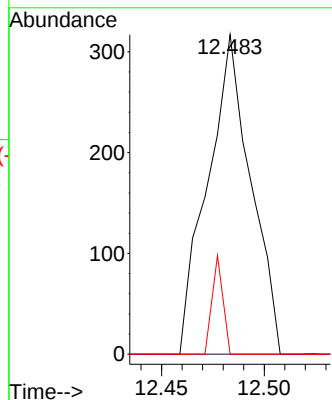


#61
 1,2,3-Trichloropropane
 Concen: 3.398 ug/L
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY006976.D
 Acq: 06 Dec 2021 22:48

Instrument :
 MSVOA_Y
 ClientSampleId :

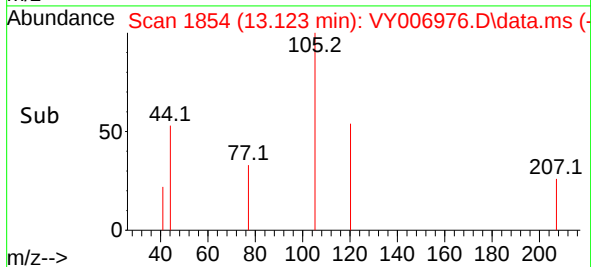
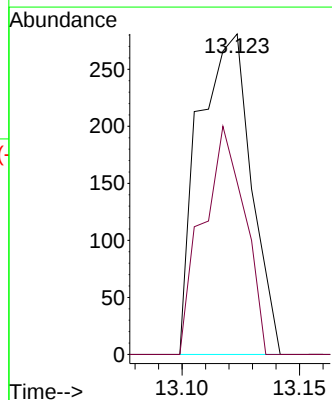
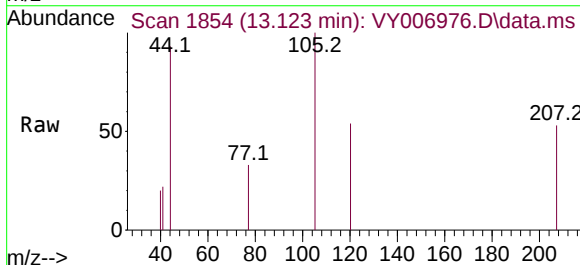


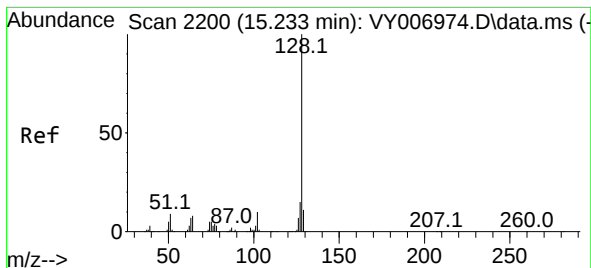
Tgt Ion: 75 Resp: 463
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 110 0.0 31.7 47.5#



#63
 1,2,4-Trimethylbenzene
 Concen: 0.661 ug/L
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VY006976.D
 Acq: 06 Dec 2021 22:48

Tgt Ion: 105 Resp: 436
 Ion Ratio Lower Upper
 105 100
 120 57.1 36.0 54.0#





#71

Naphthalene

Concen: 1.278 ug/L

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY006976.D

Acq: 06 Dec 2021 22:48

Instrument :

MSVOA_Y

ClientSampleId :

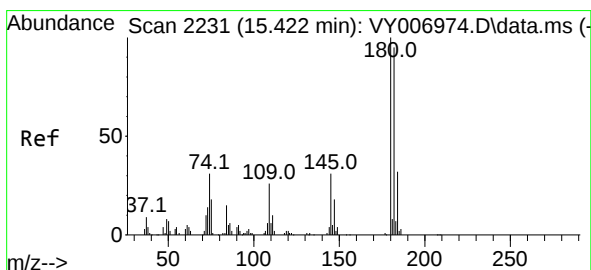
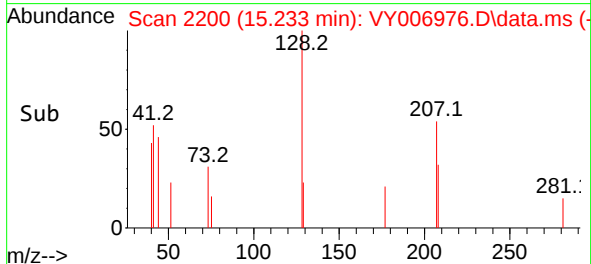
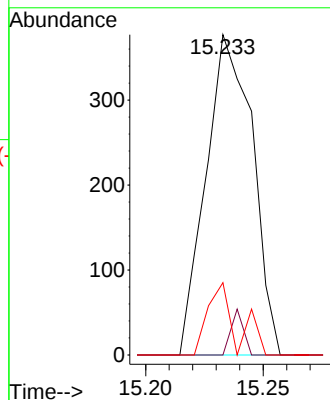
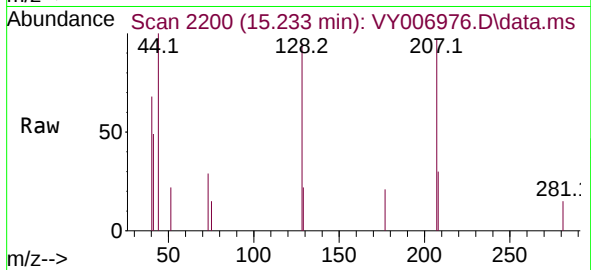
Tgt Ion:128 Resp: 519

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 10.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 1.075 ug/L

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY006976.D

Acq: 06 Dec 2021 22:48

Tgt Ion:180 Resp: 184

Ion Ratio Lower Upper

180 100

182 35.3 75.5 113.3#

145 0.0 23.5 35.3#

