

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 :
 EX8D4

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)

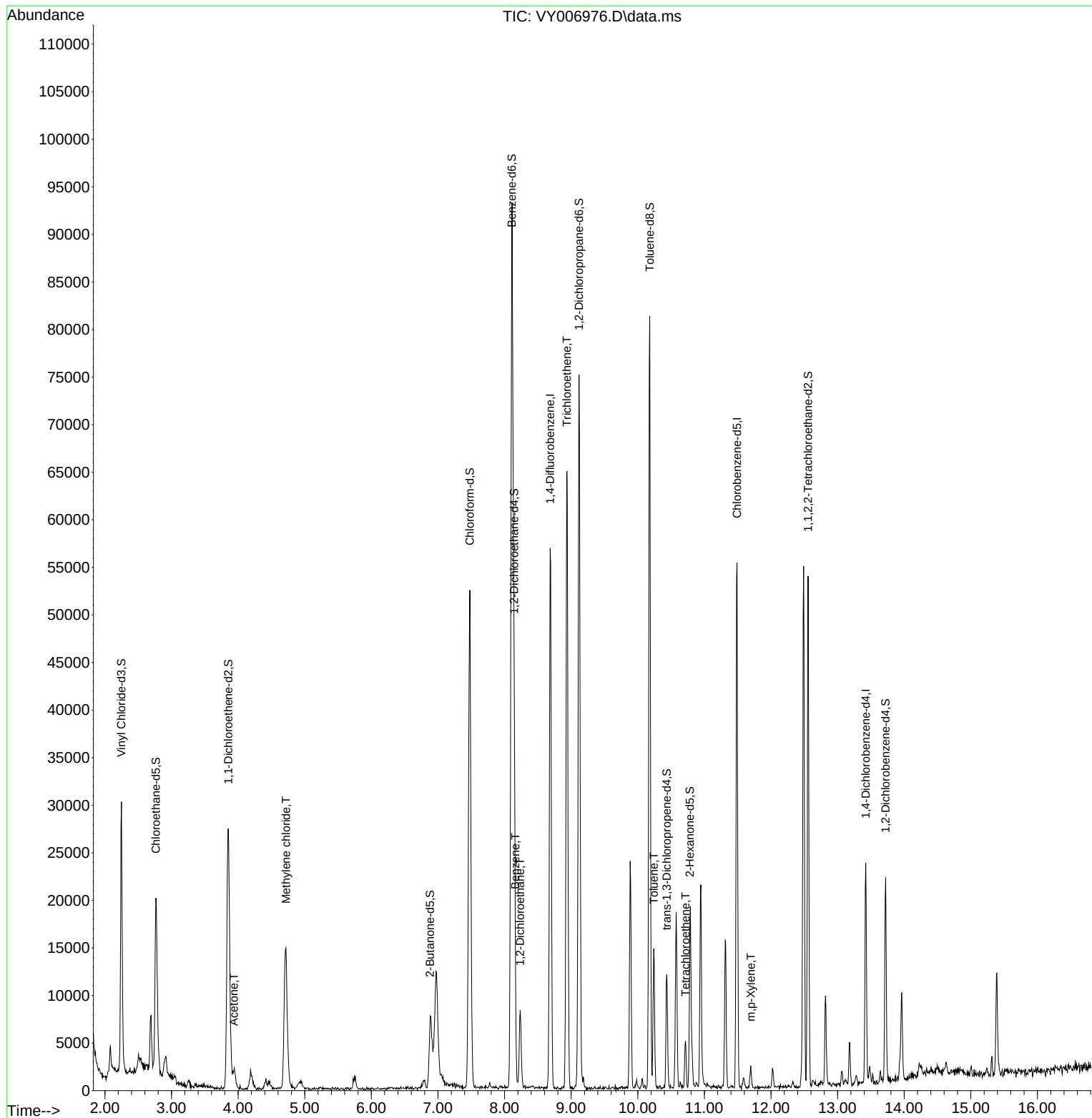
Internal Standards							
1) 1,4-Difluorobenzene		8.685	114	44534	25.000	ug/L	0.00
28) Chlorobenzene-d5		11.490	117	26983	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		13.422	152	5605	25.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		2.247	65	28415	49.541	ug/L	0.00
Spiked Amount	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
16) Methylene chloride		4.716	84	10082	12.624	ug/L	84
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
42) Toluene		10.240	91	9645	4.984	ug/L	100
46) Tetrachloroethene		10.715	164	1011	2.701	ug/L	81
53) m,p-Xylene		11.697	106	706	0.897	ug/L	89

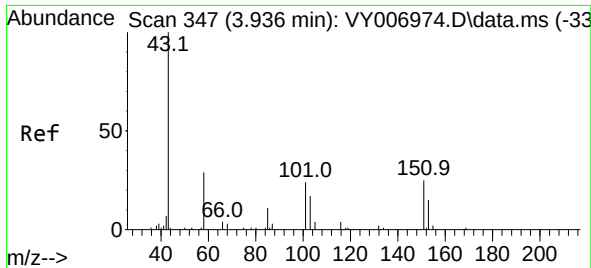
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 16.796 ug/L

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

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MSVOA_Y

ClientSampleId :

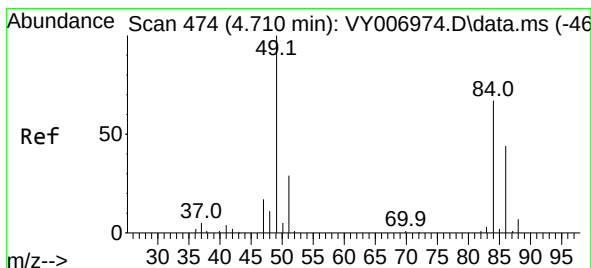
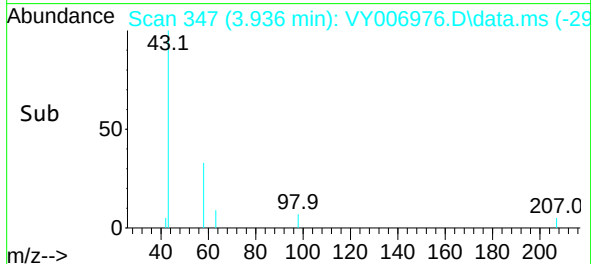
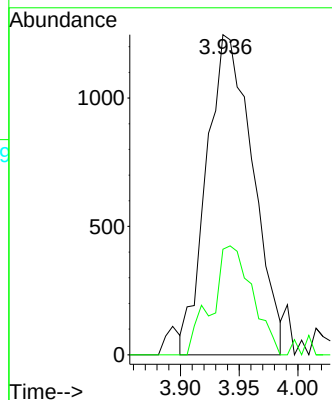
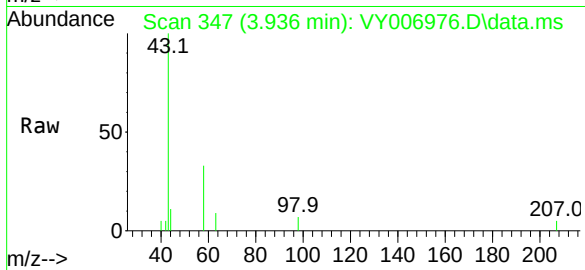
EX8D4

Tgt Ion: 43 Resp: 3410

Ion Ratio Lower Upper

43 100

58 24.9 0.0 60.8



#16

Methylene chloride

Concen: 12.624 ug/L

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

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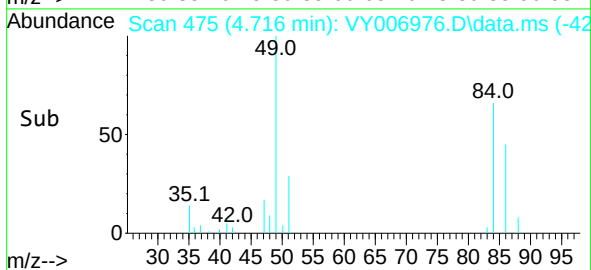
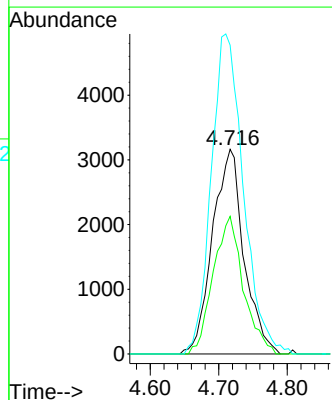
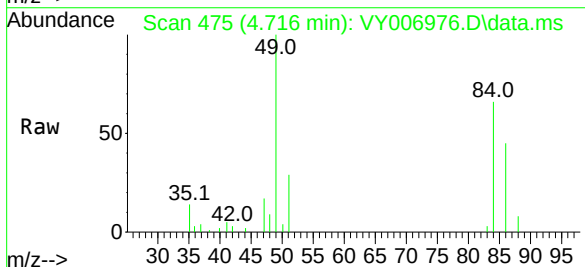
Tgt Ion: 84 Resp: 10082

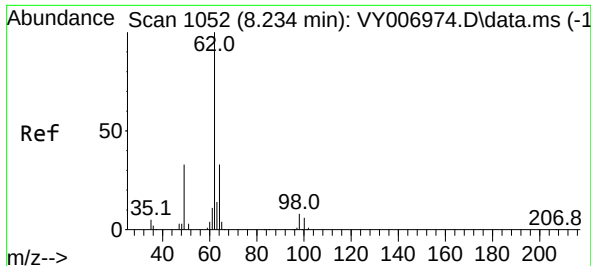
Ion Ratio Lower Upper

84 100

86 67.2 43.4 80.6

49 150.9 89.1 165.5





#27

1,2-Dichloroethane

Concen: 8.068 ug/L

RT: 8.234 min Scan# 10

Delta R.T. 0.000 min

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Instrument :

MSVOA_Y

ClientSampleId :

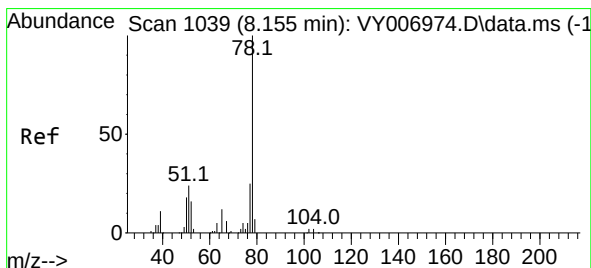
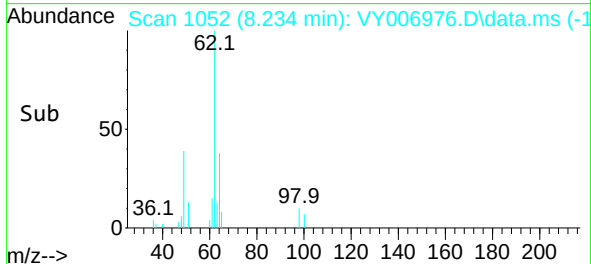
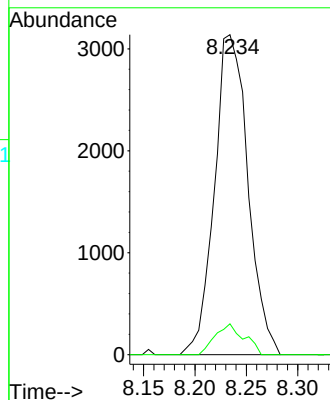
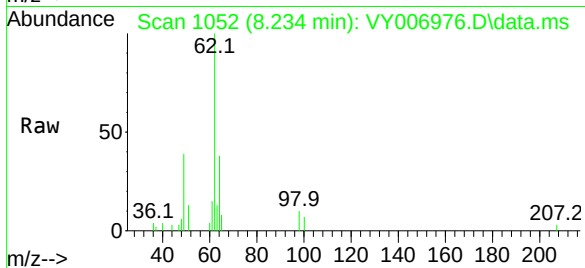
EX8D4

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

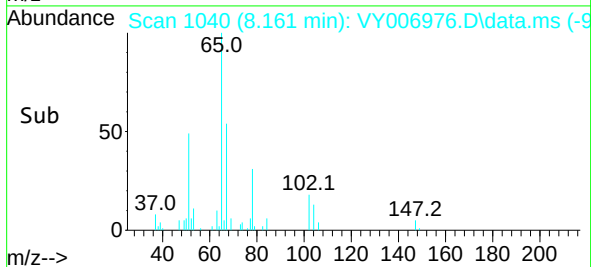
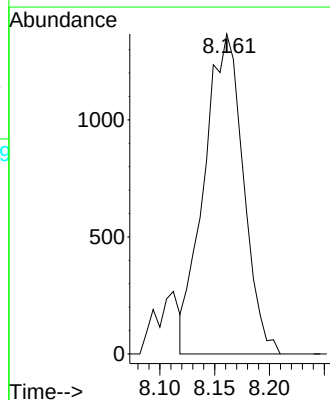
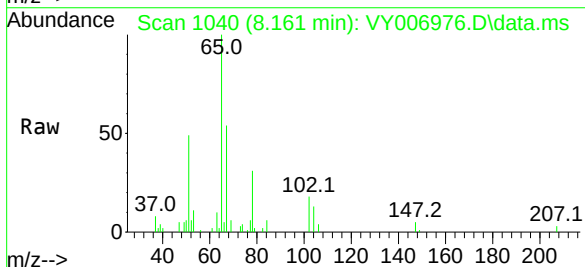
RT: 8.161 min Scan# 1040

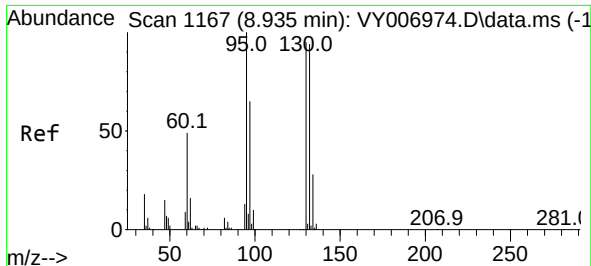
Delta R.T. 0.006 min

Lab File: VY006976.D

Acq: 06 Dec 2021 22:48

Tgt Ion: 78 Resp: 3405

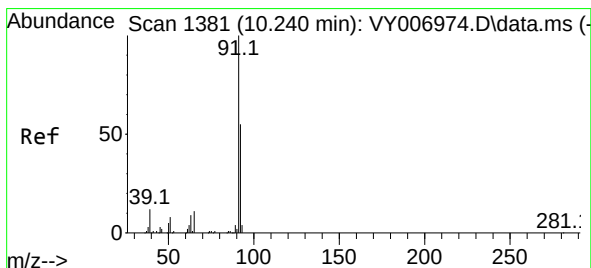
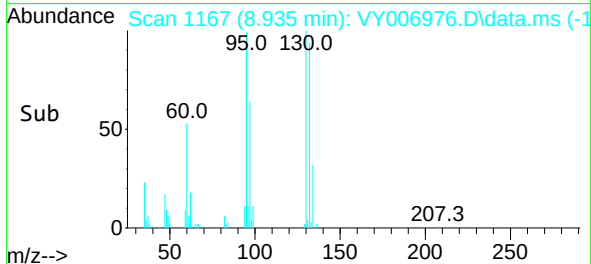
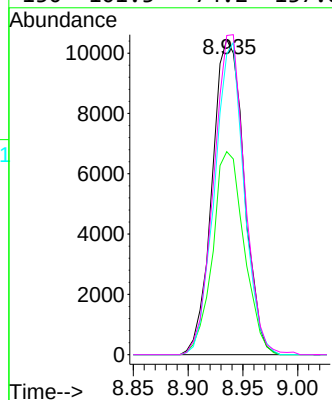
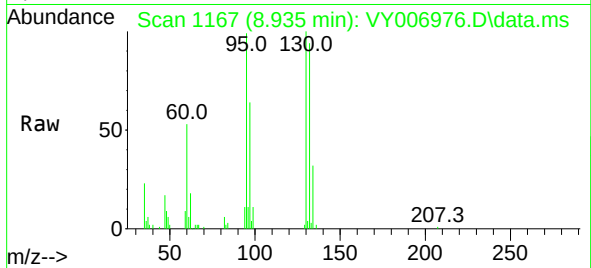




#34
Trichloroethene
Concen: 47.282 ug/L
RT: 8.935 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VY006976.D
Acq: 06 Dec 2021 22:48

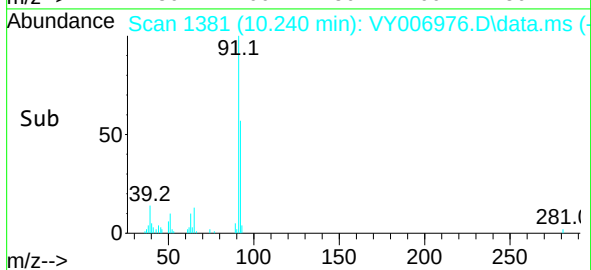
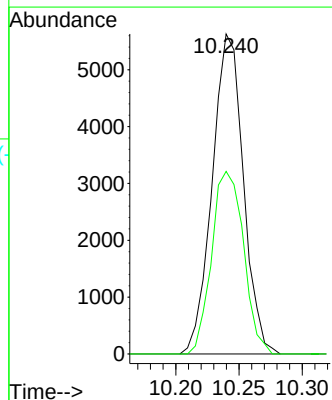
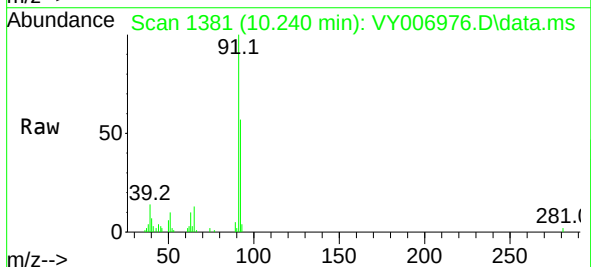
Instrument :
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EX8D4

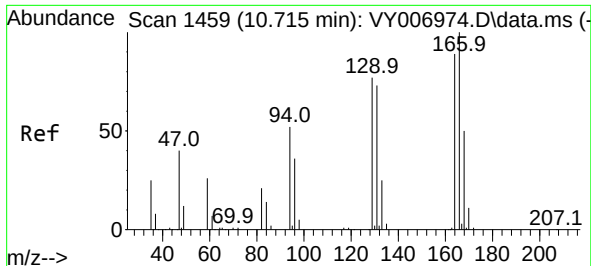
Tgt Ion: 95 Resp: 21127
Ion Ratio Lower Upper
95 100
97 64.4 47.3 87.8
132 95.4 71.3 132.5
130 101.3 74.2 137.8



#42
Toluene
Concen: 4.984 ug/L
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY006976.D
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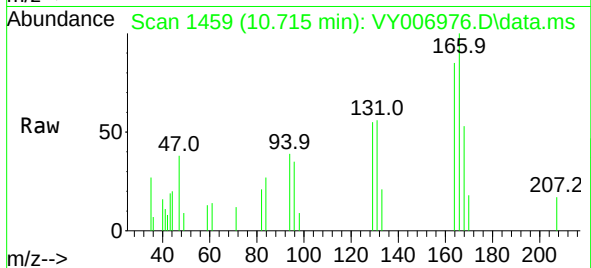
Tgt Ion: 91 Resp: 9645
Ion Ratio Lower Upper
91 100
92 57.1 39.8 74.0



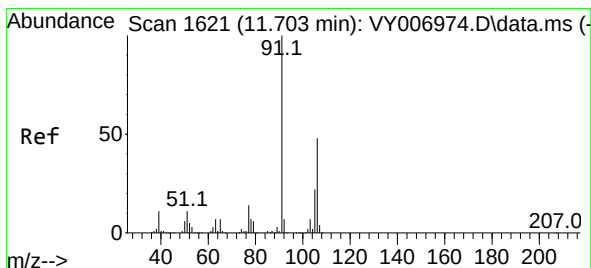
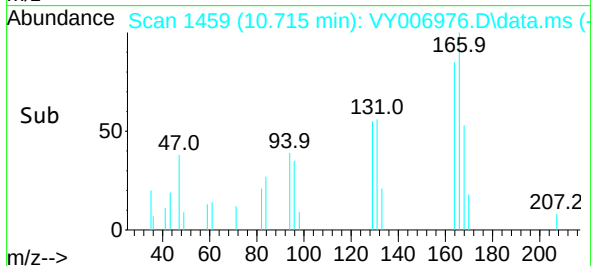
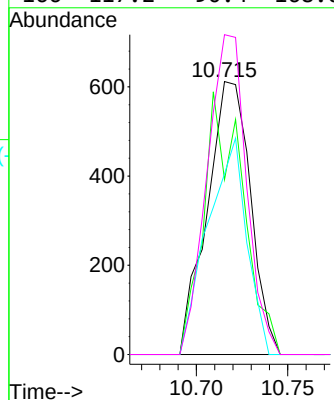


#46
Tetrachloroethene
Concen: 2.701 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY006976.D
Acq: 06 Dec 2021 22:48

Instrument :
MSVOA_Y
ClientSampleId :
EX8D4



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



#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

