

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006973.D
 Acq On : 06 Dec 2021 19:53
 Operator : SY/MD
 Sample : M4887-21
 Misc : 3.22g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 00:49:32 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)

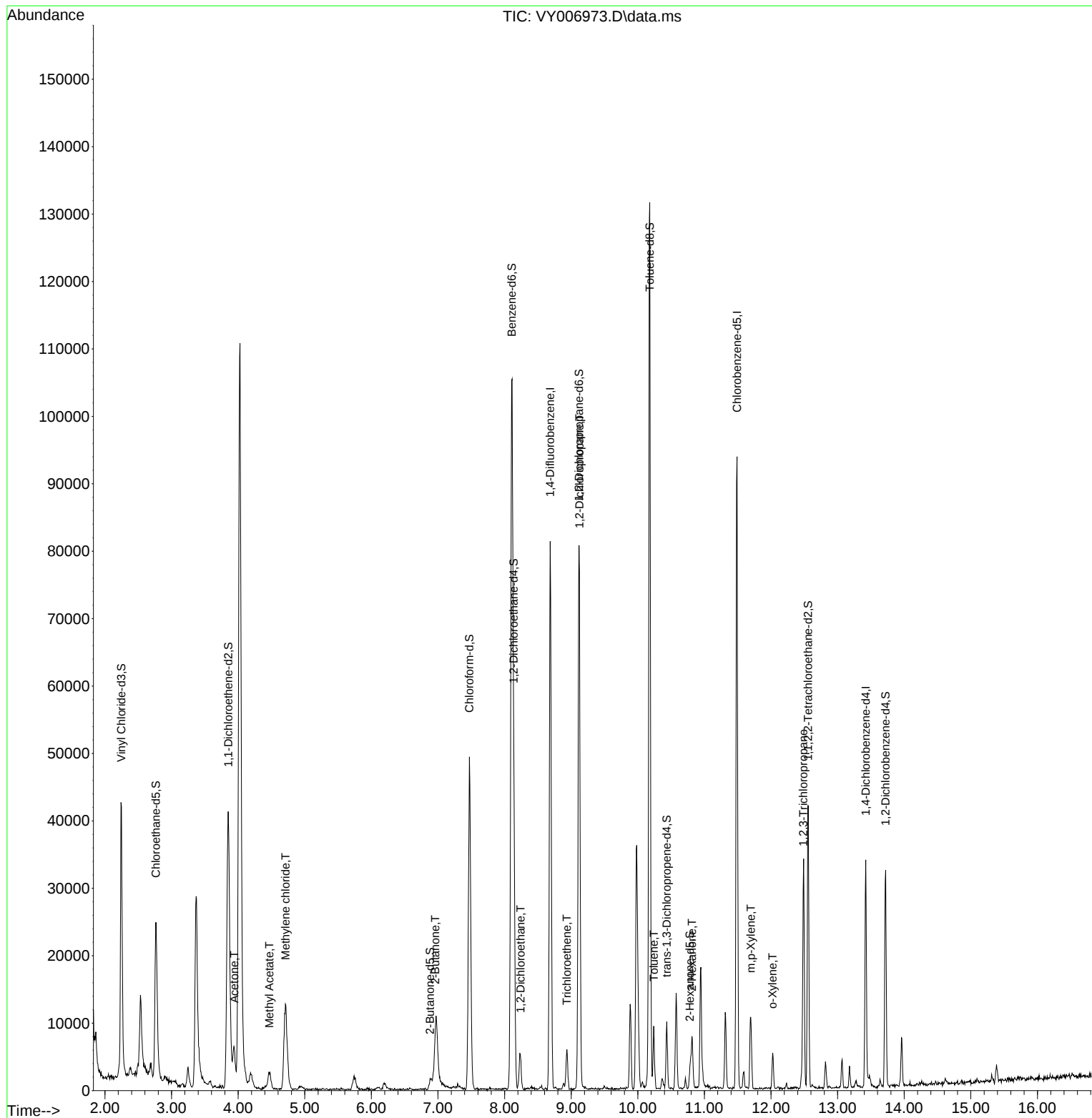
Internal Standards						
1) 1,4-Difluorobenzene	8.685	114	62053	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	47294	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	7818	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	42534	53.221	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 212.880%#	
7) Chloroethane-d5	2.765	69	29688	47.355	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 189.400%#	
11) 1,1-Dichloroethene-d2	3.851	63	46447	27.955	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 111.840%#	
21) 2-Butanone-d5	6.881	46	2501	8.102	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 16.200%#	
24) Chloroform-d	7.472	84	46550	30.101	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 120.400%	
26) 1,2-Dichloroethane-d4	8.136	65	27124	29.221	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 116.880%	
32) Benzene-d6	8.106	84	89207	35.509	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 142.040%#	
36) 1,2-Dichloropropane-d6	9.118	67	37627	47.669	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 190.680%#	
41) Toluene-d8	10.179	98	80965	34.410	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 137.640%#	
43) trans-1,3-Dichloroprop...	10.435	79	4965	13.005	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 52.000%	
47) 2-Hexanone-d5	10.782	63	1323	7.242	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 14.480%#	
56) 1,1,2,2-Tetrachloroeth...	12.556	84	19857	30.196	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 120.800%#	
66) 1,2-Dichlorobenzene-d4	13.721	152	7091	27.813	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 111.240%	
Target Compounds						Qvalue
13) Acetone	3.942	43	10276	36.325	ug/L	70
15) Methyl Acetate	4.466	43	5157	8.362	ug/L #	77
16) Methylene chloride	4.710	84	9008	8.095	ug/L	84
22) 2-Butanone	6.960	43	7702	19.463	ug/L #	54
27) 1,2-Dichloroethane	8.240	62	4920	4.002	ug/L #	91
34) Trichloroethene	8.935	95	1811	2.312	ug/L	83
37) 1,2-Dichloropropane	9.124	63	4309	5.287	ug/L #	87
42) Toluene	10.240	91	5352	1.578	ug/L	93
48) 2-Hexanone	10.813	43	4835	10.306	ug/L #	48
53) m,p-Xylene	11.697	106	3203	2.322	ug/L	87
54) o-Xylene	12.026	106	1226	0.945	ug/L	91
61) 1,2,3-Trichloropropane	12.483	75	266	1.400	ug/L #	59

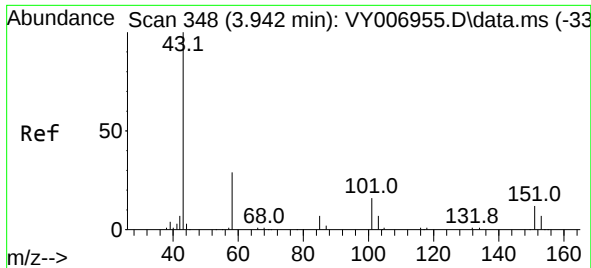
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Dec 07 00:43:47 2021
Response via : Initial Calibration





#13

Acetone

Concen: 36.325 ug/L

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY006973.D

Acq: 06 Dec 2021 19:53

Instrument :

MSVOA_Y

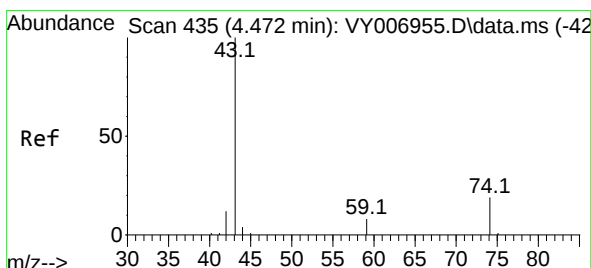
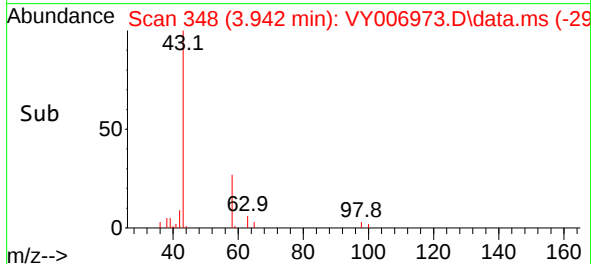
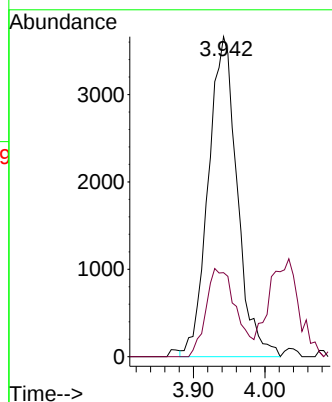
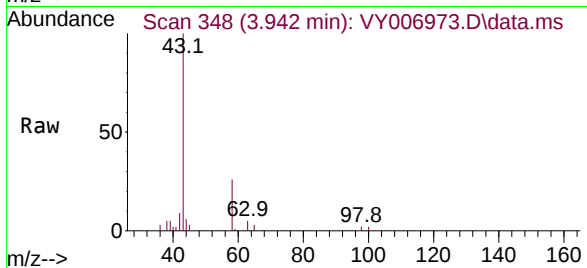
ClientSampleId :

Tgt Ion: 43 Resp: 10276

Ion Ratio Lower Upper

43 100

58 13.9 0.0 60.8



#15

Methyl Acetate

Concen: 8.362 ug/L

RT: 4.466 min Scan# 434

Delta R.T. -0.006 min

Lab File: VY006973.D

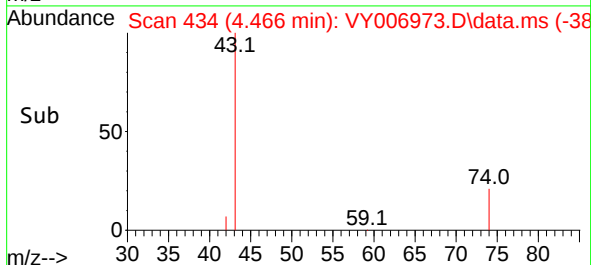
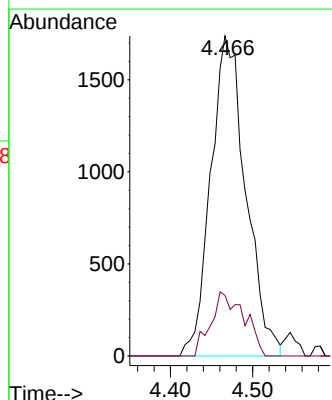
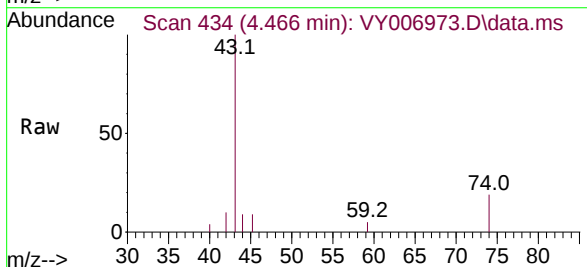
Acq: 06 Dec 2021 19:53

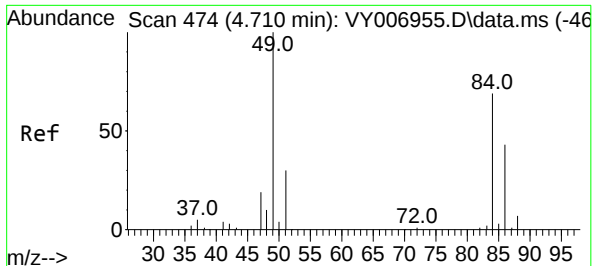
Tgt Ion: 43 Resp: 5157

Ion Ratio Lower Upper

43 100

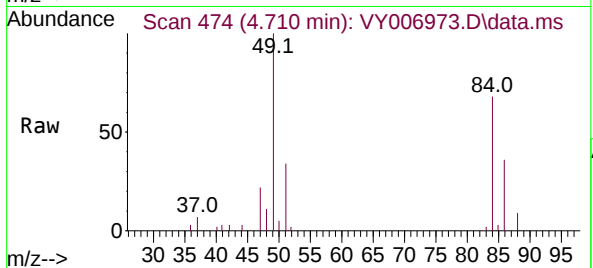
74 11.0 17.4 26.2#





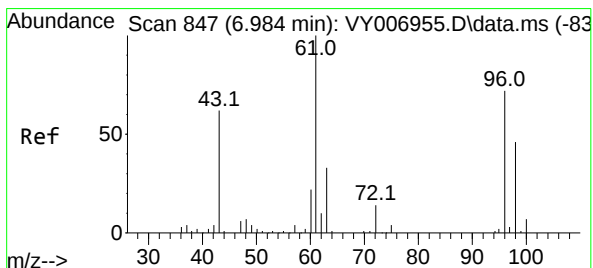
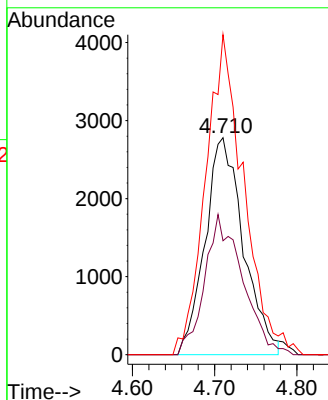
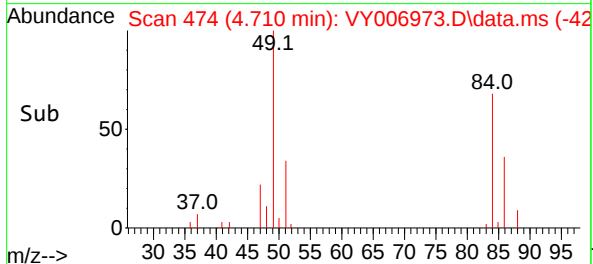
#16
Methylene chloride
Concen: 8.095 ug/L
RT: 4.710 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY006973.D
Acq: 06 Dec 2021 19:53

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 9008

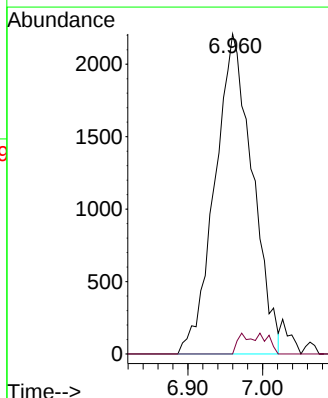
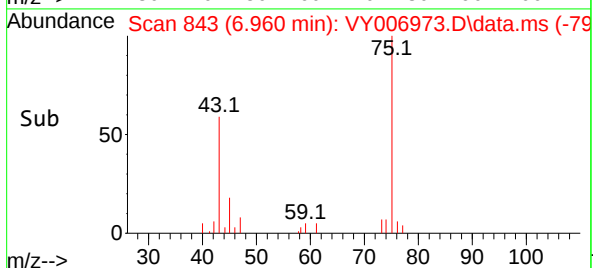
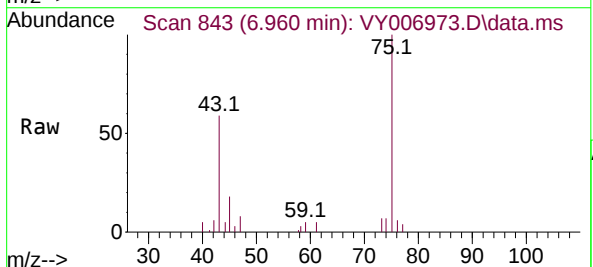
Ion	Ratio	Lower	Upper
84	100		
86	52.6	43.4	80.6
49	147.5	89.1	165.5

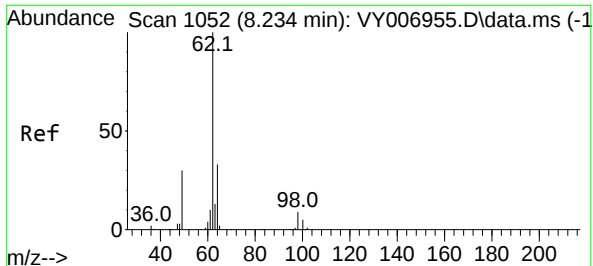


#22
2-Butanone
Concen: 19.463 ug/L
RT: 6.960 min Scan# 843
Delta R.T. -0.024 min
Lab File: VY006973.D
Acq: 06 Dec 2021 19:53

Tgt Ion: 43 Resp: 7702

Ion	Ratio	Lower	Upper
43	100		
72	2.5	12.9	38.6#





#27

1,2-Dichloroethane

Concen: 4.002 ug/L

RT: 8.240 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VY006973.D

Acq: 06 Dec 2021 19:53

Instrument :

MSVOA_Y

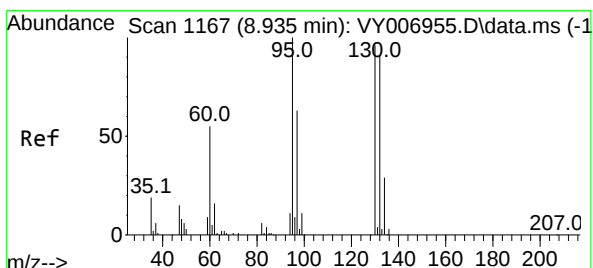
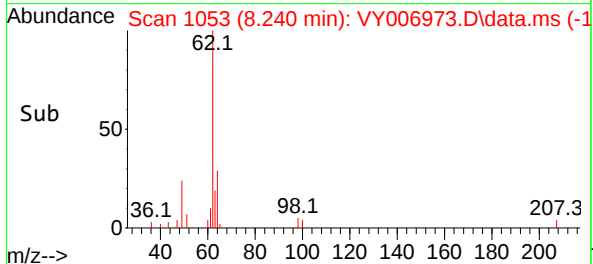
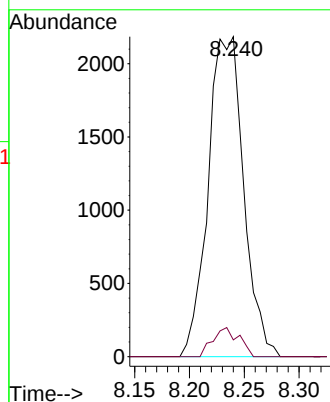
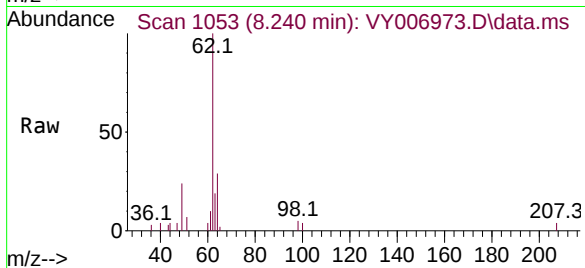
ClientSampleId :

Tgt Ion: 62 Resp: 4920

Ion Ratio Lower Upper

62 100

98 5.2 6.9 10.3#



#34

Trichloroethene

Concen: 2.312 ug/L

RT: 8.935 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VY006973.D

Acq: 06 Dec 2021 19:53

Tgt Ion: 95 Resp: 1811

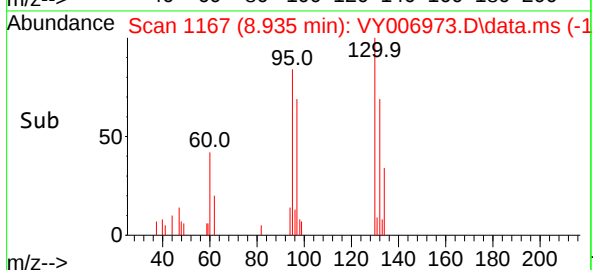
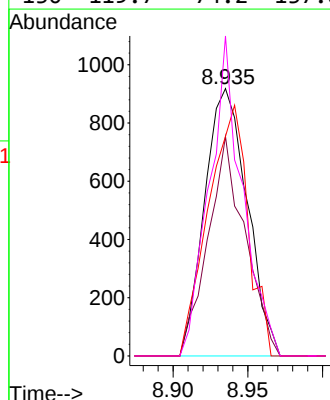
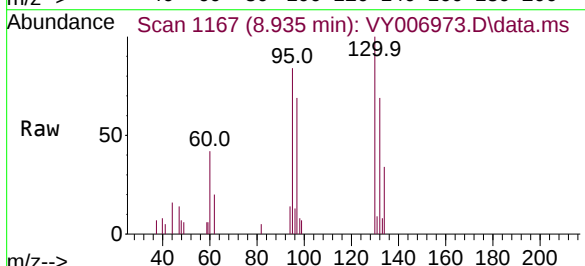
Ion Ratio Lower Upper

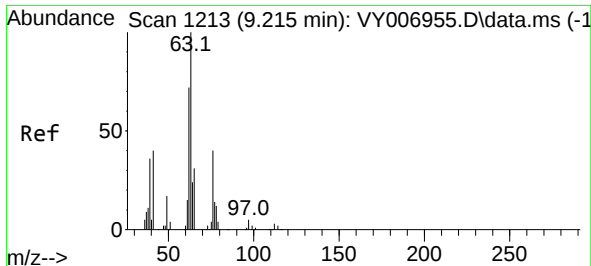
95 100

97 82.1 47.3 87.8

132 82.1 71.3 132.5

130 119.7 74.2 137.8

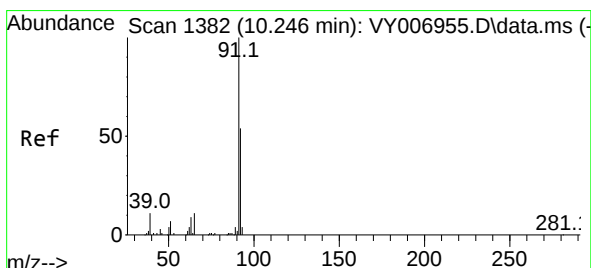
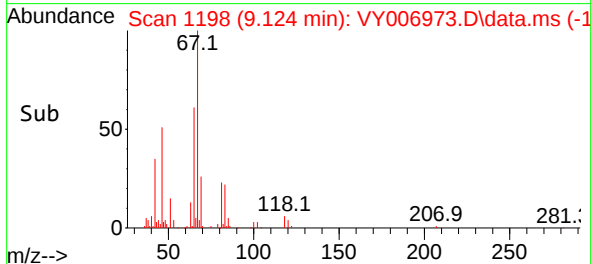
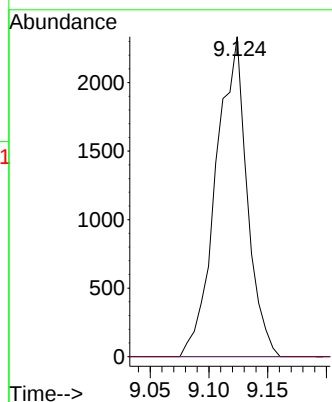
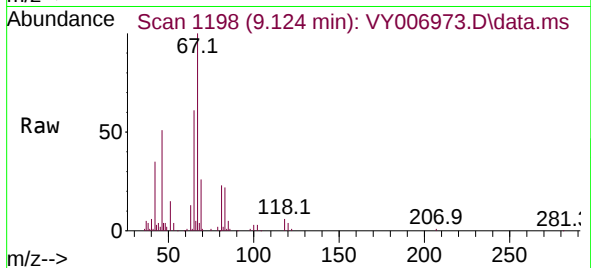




#37
1,2-Dichloropropane
Concen: 5.287 ug/L
RT: 9.124 min Scan# 1198
Delta R.T. -0.091 min
Lab File: VY006973.D
Acq: 06 Dec 2021 19:53

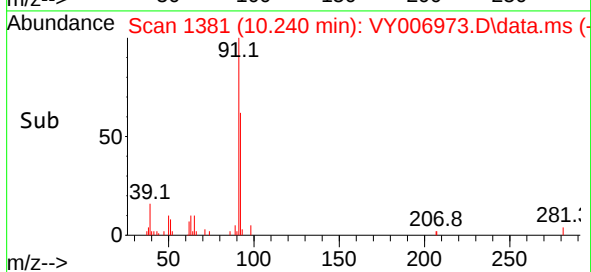
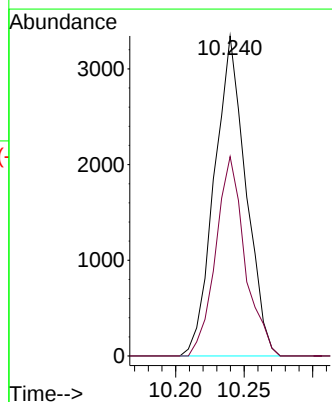
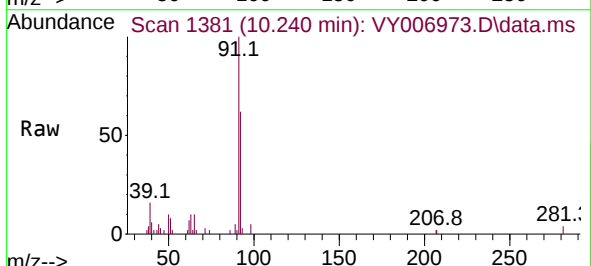
Instrument :
MSVOA_Y
ClientSampleId :

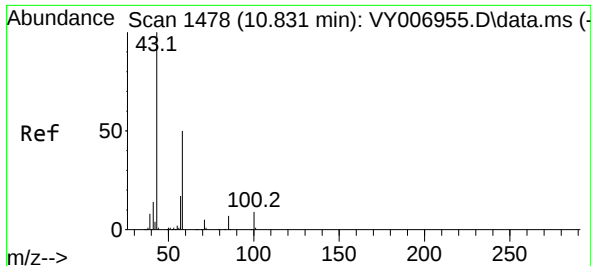
Tgt Ion: 63 Resp: 4309
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



#42
Toluene
Concen: 1.578 ug/L
RT: 10.240 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VY006973.D
Acq: 06 Dec 2021 19:53

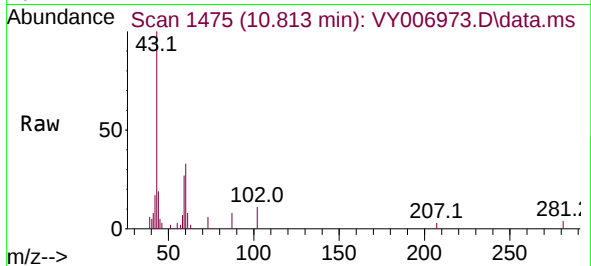
Tgt Ion: 91 Resp: 5352
Ion Ratio Lower Upper
91 100
92 62.3 39.8 74.0



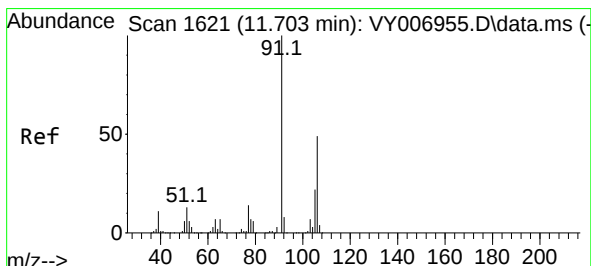
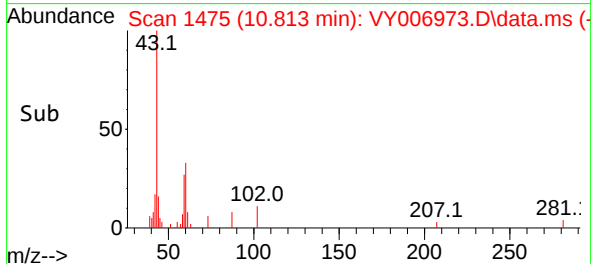
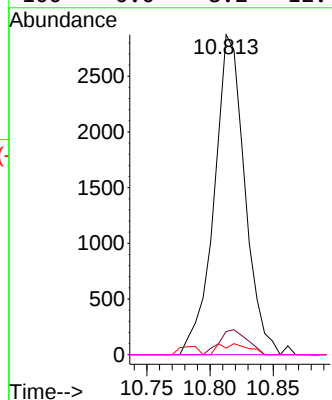


#48
2-Hexanone
Concen: 10.306 ug/L
RT: 10.813 min Scan# 1475
Delta R.T. -0.018 min
Lab File: VY006973.D
Acq: 06 Dec 2021 19:53

Instrument :
MSVOA_Y
ClientSampleId :

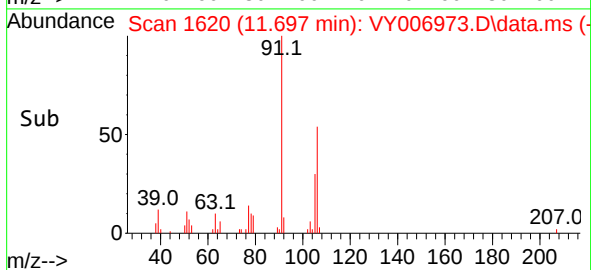
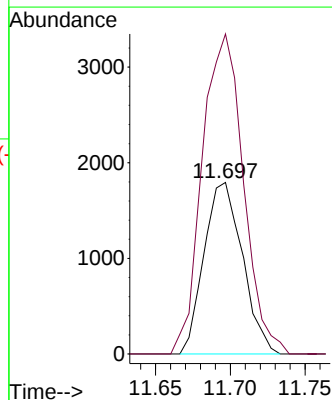
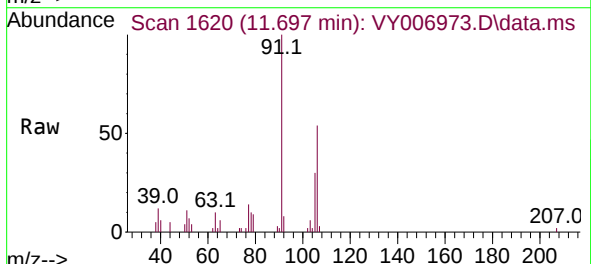


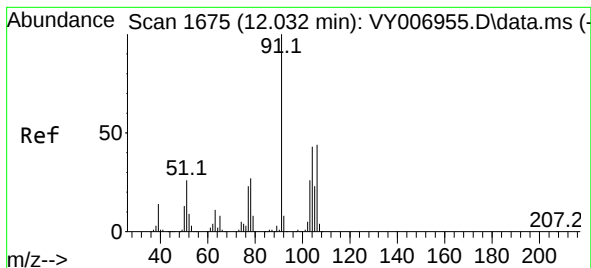
Tgt Ion: 43	Resp: 4835
Ion Ratio	Lower Upper
43	100
58	7.1 39.9 59.9#
57	2.1 14.2 21.4#
100	0.0 8.2 12.4#



#53
m,p-Xylene
Concen: 2.322 ug/L
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY006973.D
Acq: 06 Dec 2021 19:53

Tgt Ion: 106	Resp: 3203
Ion Ratio	Lower Upper
106	100
91	186.6 144.7 268.7





#54

o-Xylene

Concen: 0.945 ug/L

RT: 12.026 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY006973.D

Acq: 06 Dec 2021 19:53

Instrument :

MSVOA_Y

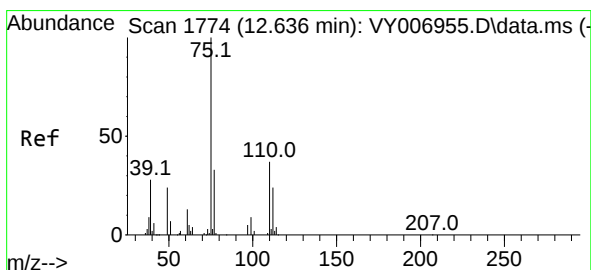
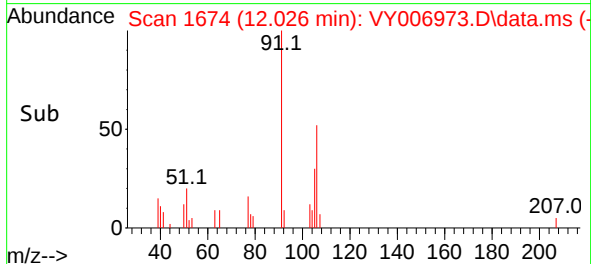
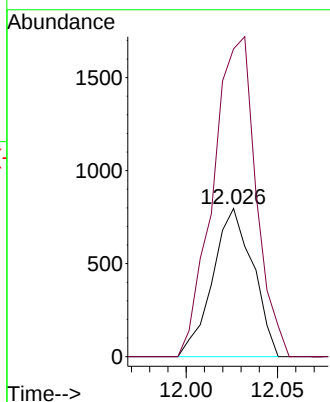
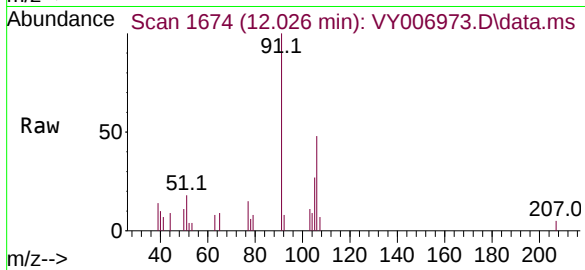
ClientSampleId :

Tgt Ion:106 Resp: 1226

Ion Ratio Lower Upper

106 100

91 207.9 155.5 288.7



#61

1,2,3-Trichloropropane

Concen: 1.400 ug/L

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY006973.D

Acq: 06 Dec 2021 19:53

Tgt Ion: 75 Resp: 266

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

110 22.6 31.7 47.5#

