

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006979.D
 Acq On : 06 Dec 2021 23:54
 Operator : SY/MD
 Sample : M4884-01
 Misc : 3.65g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 04:14:36 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)

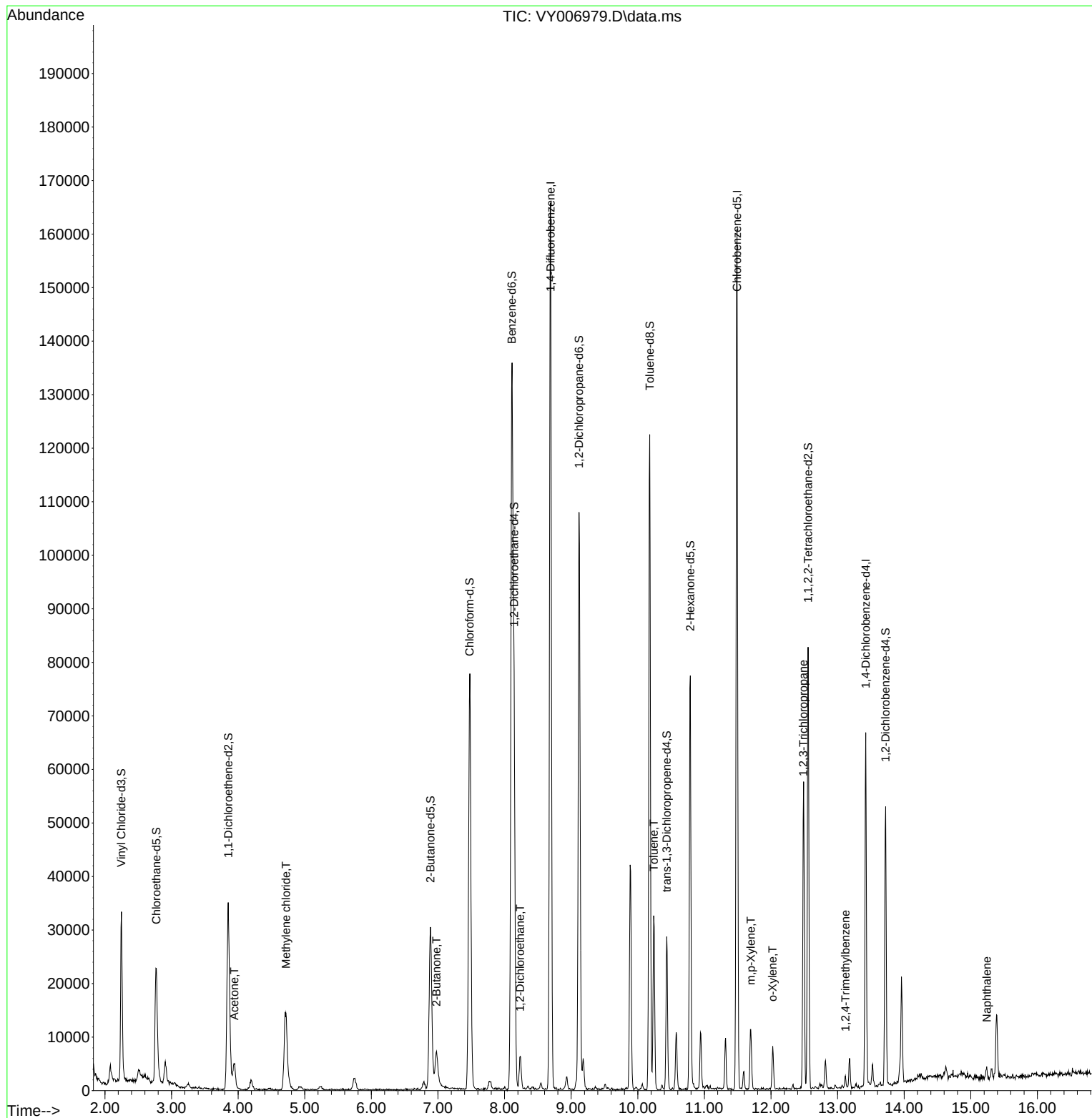
Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	129351	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	78253	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	14344	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	32063	19.246	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.000%
7) Chloroethane-d5	2.772	69	29621	22.666	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.680%
11) 1,1-Dichloroethene-d2	3.851	63	35009	10.108	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	40.440%#
21) 2-Butanone-d5	6.887	46	55205	85.796	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	171.600%#
24) Chloroform-d	7.472	84	74106	22.989	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.960%
26) 1,2-Dichloroethane-d4	8.143	65	48810	25.225	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.920%
32) Benzene-d6	8.106	84	126834	30.513	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	122.040%
36) 1,2-Dichloropropane-d6	9.118	67	48972	37.497	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	150.000%#
41) Toluene-d8	10.179	98	73939	18.992	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.960%
43) trans-1,3-Dichloroprop...	10.435	79	14178	22.444	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.760%
47) 2-Hexanone-d5	10.789	63	24484	80.999	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	162.000%#
56) 1,1,2,2-Tetrachloroeth...	12.557	84	39049	35.888	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	143.560%#
66) 1,2-Dichlorobenzene-d4	13.721	152	12071	25.806	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.240%
Target Compounds						
					Qvalue	
13) Acetone	3.942	43	8508	14.428	ug/L	95
16) Methylene chloride	4.716	84	9880	4.259	ug/L	84
22) 2-Butanone	6.978	43	3226	3.911	ug/L #	71
27) 1,2-Dichloroethane	8.234	62	5322	2.077	ug/L #	94
42) Toluene	10.240	91	21976	3.915	ug/L	100
53) m,p-Xylene	11.697	106	3434	1.505	ug/L	81
54) o-Xylene	12.026	106	1733	0.807	ug/L	88
61) 1,2,3-Trichloropropane	12.483	75	460	1.319	ug/L #	64
63) 1,2,4-Trimethylbenzene	13.117	105	1416	0.839	ug/L	93
71) Naphthalene	15.239	128	1682	1.619	ug/L #	93

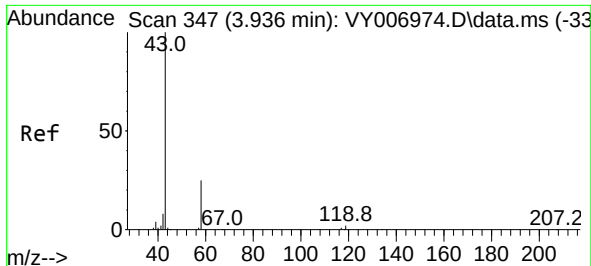
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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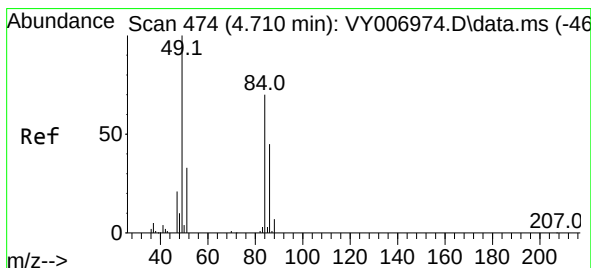
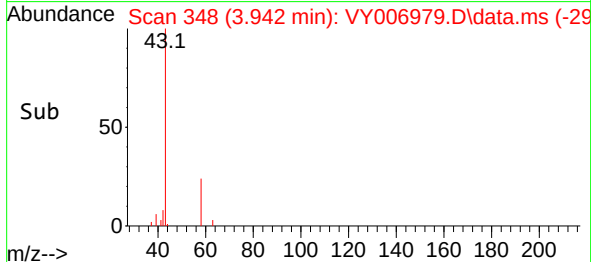
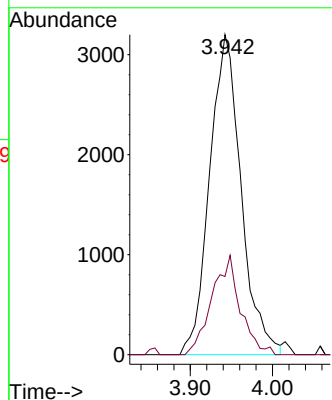
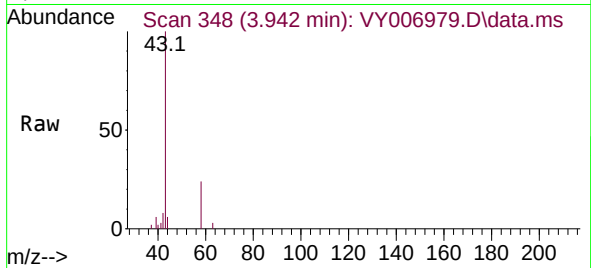




#13
Acetone
Concen: 14.428 ug/L
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY006979.D
Acq: 06 Dec 2021 23:54

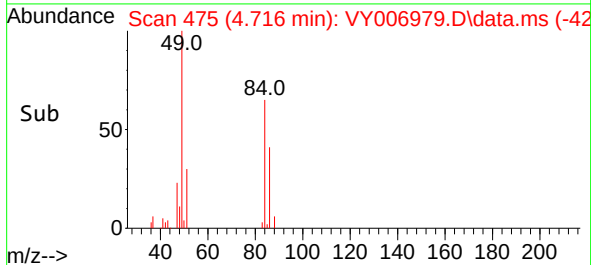
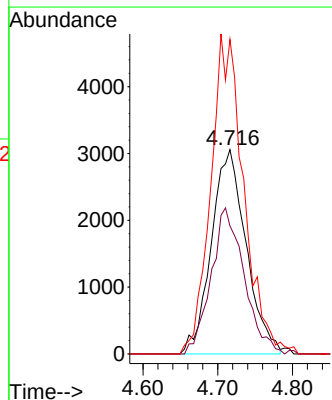
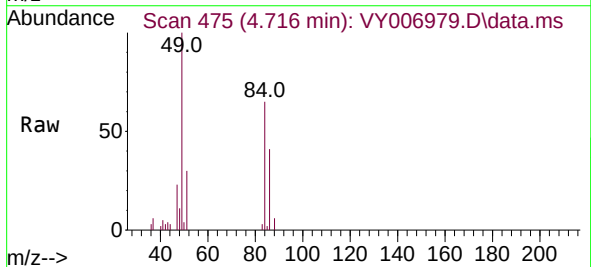
Instrument :
MSVOA_Y
ClientSampleId :

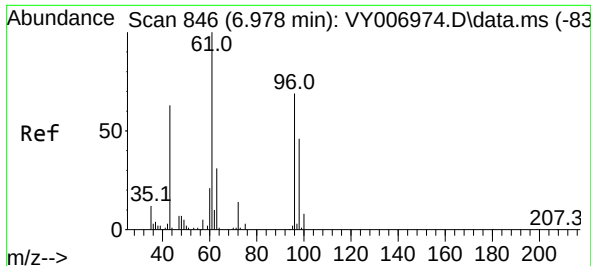
Tgt Ion: 43 Resp: 8508
Ion Ratio Lower Upper
43 100
58 27.7 0.0 60.8



#16
Methylene chloride
Concen: 4.259 ug/L
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY006979.D
Acq: 06 Dec 2021 23:54

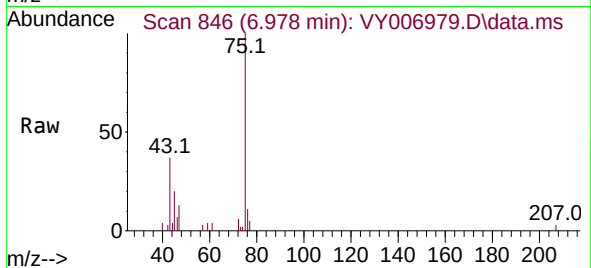
Tgt Ion: 84 Resp: 9880
Ion Ratio Lower Upper
84 100
86 62.7 43.4 80.6
49 154.0 89.1 165.5



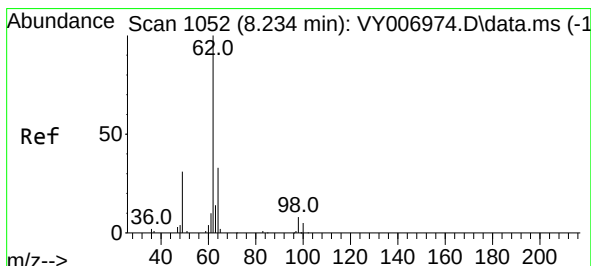
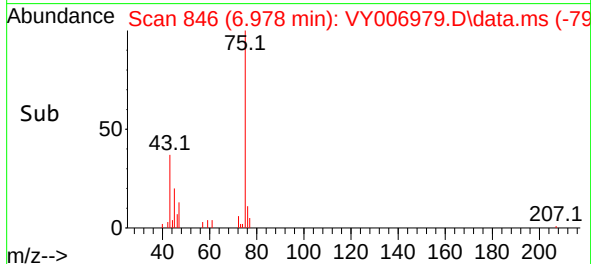
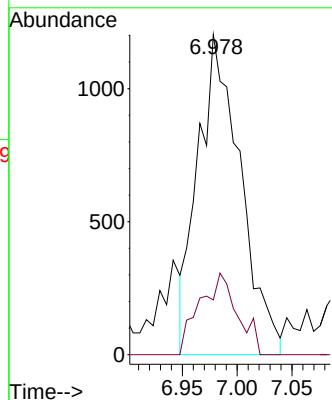


#22
2-Butanone
Concen: 3.911 ug/L
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY006979.D
Acq: 06 Dec 2021 23:54

Instrument :
MSVOA_Y
ClientSampleId :

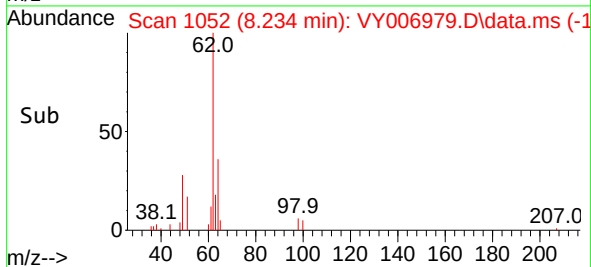
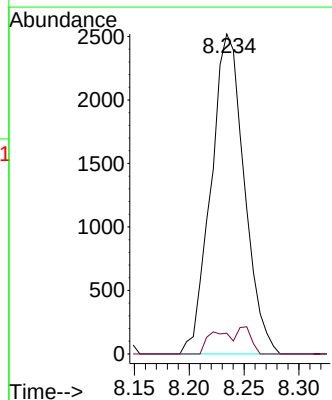
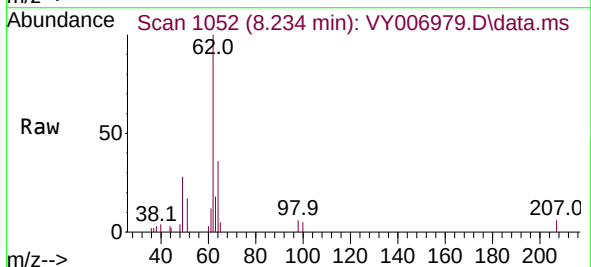


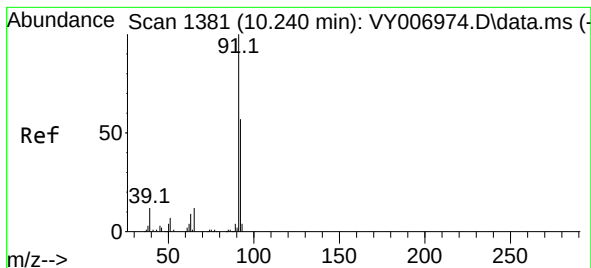
Tgt Ion: 43 Resp: 3226
Ion Ratio Lower Upper
43 100
72 10.8 12.9 38.6#



#27
1,2-Dichloroethane
Concen: 2.077 ug/L
RT: 8.234 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VY006979.D
Acq: 06 Dec 2021 23:54

Tgt Ion: 62 Resp: 5322
Ion Ratio Lower Upper
62 100
98 6.5 6.9 10.3#





#42

Toluene

Concen: 3.915 ug/L

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY006979.D

Acq: 06 Dec 2021 23:54

Instrument :

MSVOA_Y

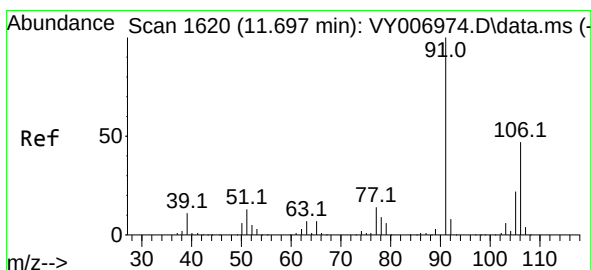
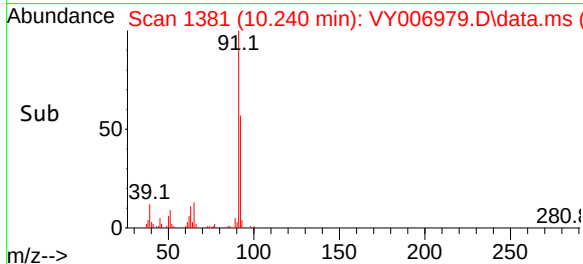
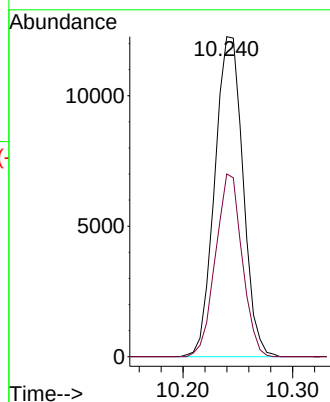
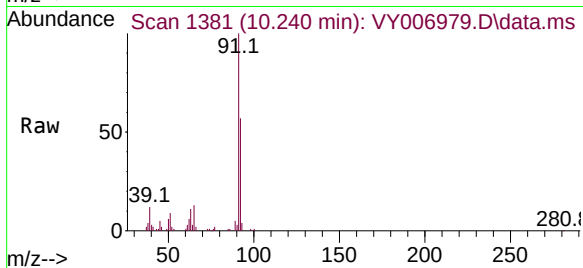
ClientSampleId :

Tgt Ion: 91 Resp: 21976

Ion Ratio Lower Upper

91 100

92 57.1 39.8 74.0



#53

m,p-Xylene

Concen: 1.505 ug/L

RT: 11.697 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VY006979.D

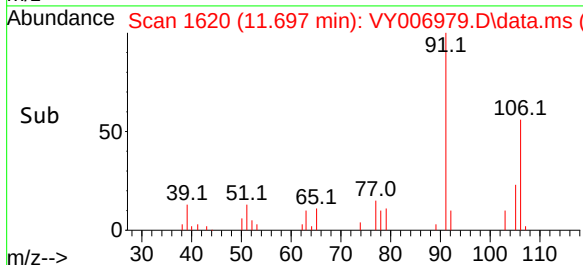
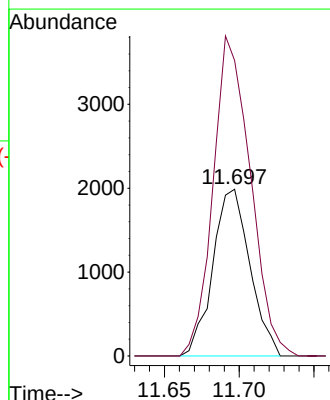
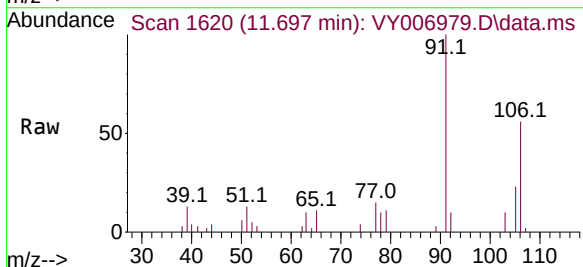
Acq: 06 Dec 2021 23:54

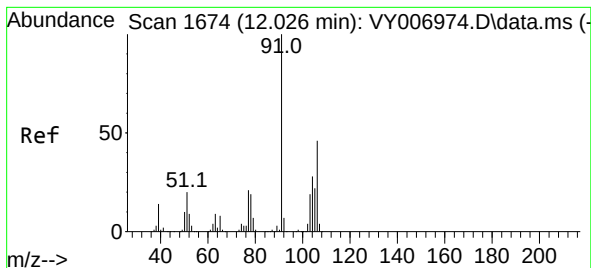
Tgt Ion:106 Resp: 3434

Ion Ratio Lower Upper

106 100

91 177.3 144.7 268.7





#54

o-Xylene

Concen: 0.807 ug/L

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY006979.D

Acq: 06 Dec 2021 23:54

Instrument :

MSVOA_Y

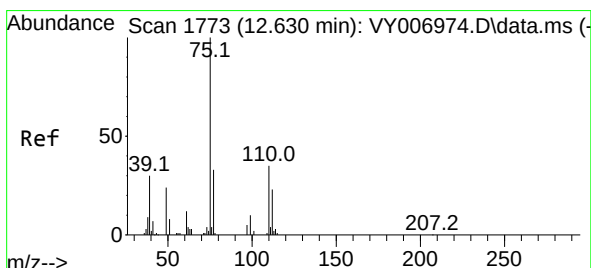
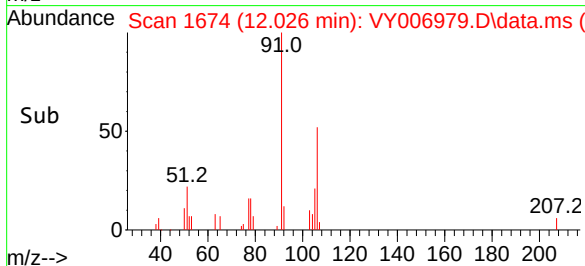
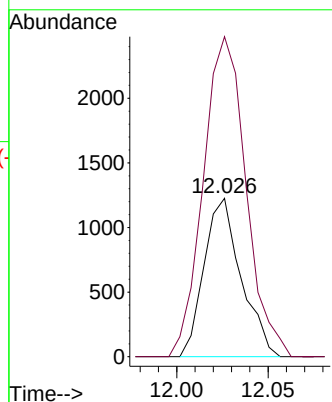
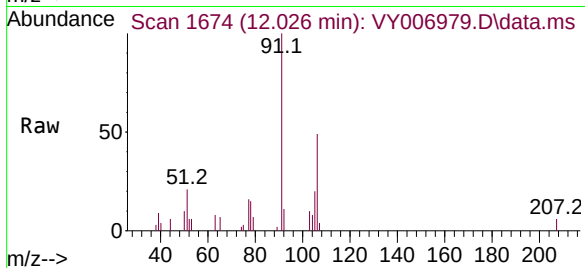
ClientSampleId :

Tgt Ion:106 Resp: 1733

Ion Ratio Lower Upper

106 100

91 202.0 155.5 288.7



#61

1,2,3-Trichloropropane

Concen: 1.319 ug/L

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY006979.D

Acq: 06 Dec 2021 23:54

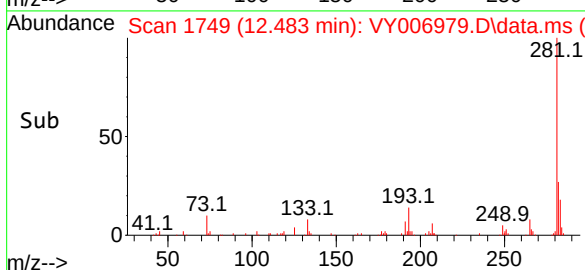
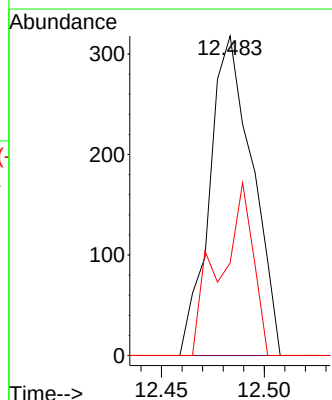
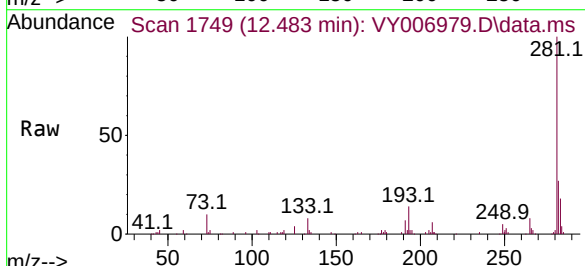
Tgt Ion: 75 Resp: 460

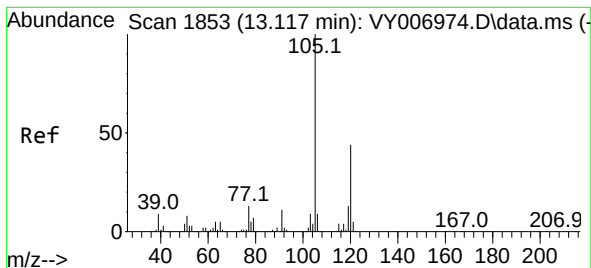
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

110 28.0 31.7 47.5#





#63

1,2,4-Trimethylbenzene

Concen: 0.839 ug/L

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY006979.D

Acq: 06 Dec 2021 23:54

Instrument :

MSVOA_Y

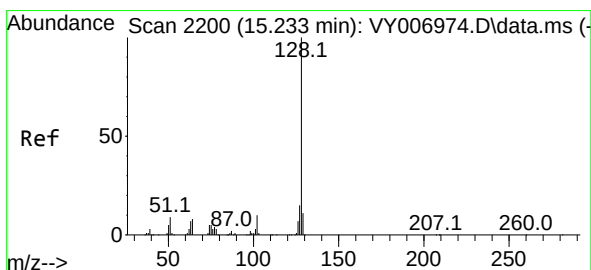
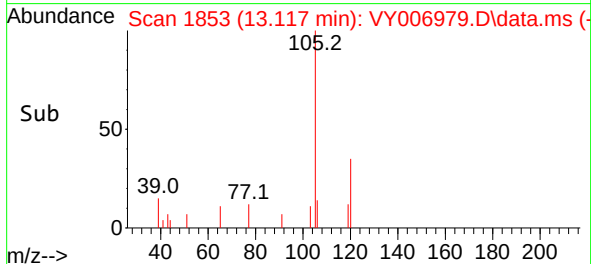
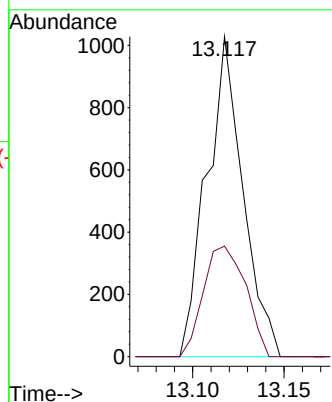
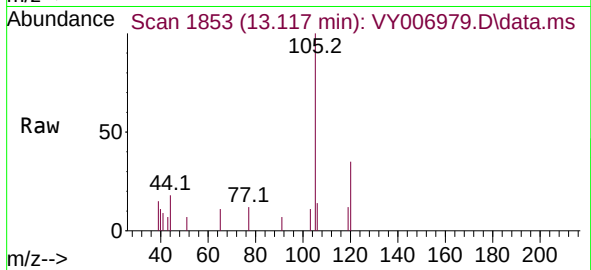
ClientSampleId :

Tgt Ion:105 Resp: 1416

Ion Ratio Lower Upper

105 100

120 40.4 36.0 54.0



#71

Naphthalene

Concen: 1.619 ug/L

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY006979.D

Acq: 06 Dec 2021 23:54

Tgt Ion:128 Resp: 1682

Ion Ratio Lower Upper

128 100

127 9.3 10.8 16.2#

129 12.2 8.7 13.1

