

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120820\
 Data File : VY003687.D
 Acq On : 08 Dec 2020 19:46
 Operator : SY/MD
 Sample : L4979-05
 Misc : 3.60G/10ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F7

Quant Time: Dec 09 02:01:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 09 01:58:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	191460	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	177443	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	77245	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	65425	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.64%
7) Chloroethane-d5	2.77	69	50995	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.88%
10) 1,1-Dichloroethene-d2	3.86	63	97367	19.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.44%
20) 2-Butanone-d5	6.90	46	35231	36.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.00%
24) Chloroform-d	7.49	84	119665	24.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.16%
26) 1,2-Dichloroethane-d4	8.15	65	66732	24.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.28%
29) Benzene-d6	8.12	84	262755	25.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.32%
33) 1,2-Dichloropropane-d6	9.12	67	78378	25.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.12%
37) Toluene-d8	10.18	98	236207	25.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.60%
38) trans-1,3-Dichloropropene-	10.44	79	36980	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.80%
39) 2-Hexanone-d5	10.79	63	29001	38.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.16%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	68718	25.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.48%
61) 1,2-Dichlorobenzene-d4	13.72	152	72934	25.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.96%

Target Compounds

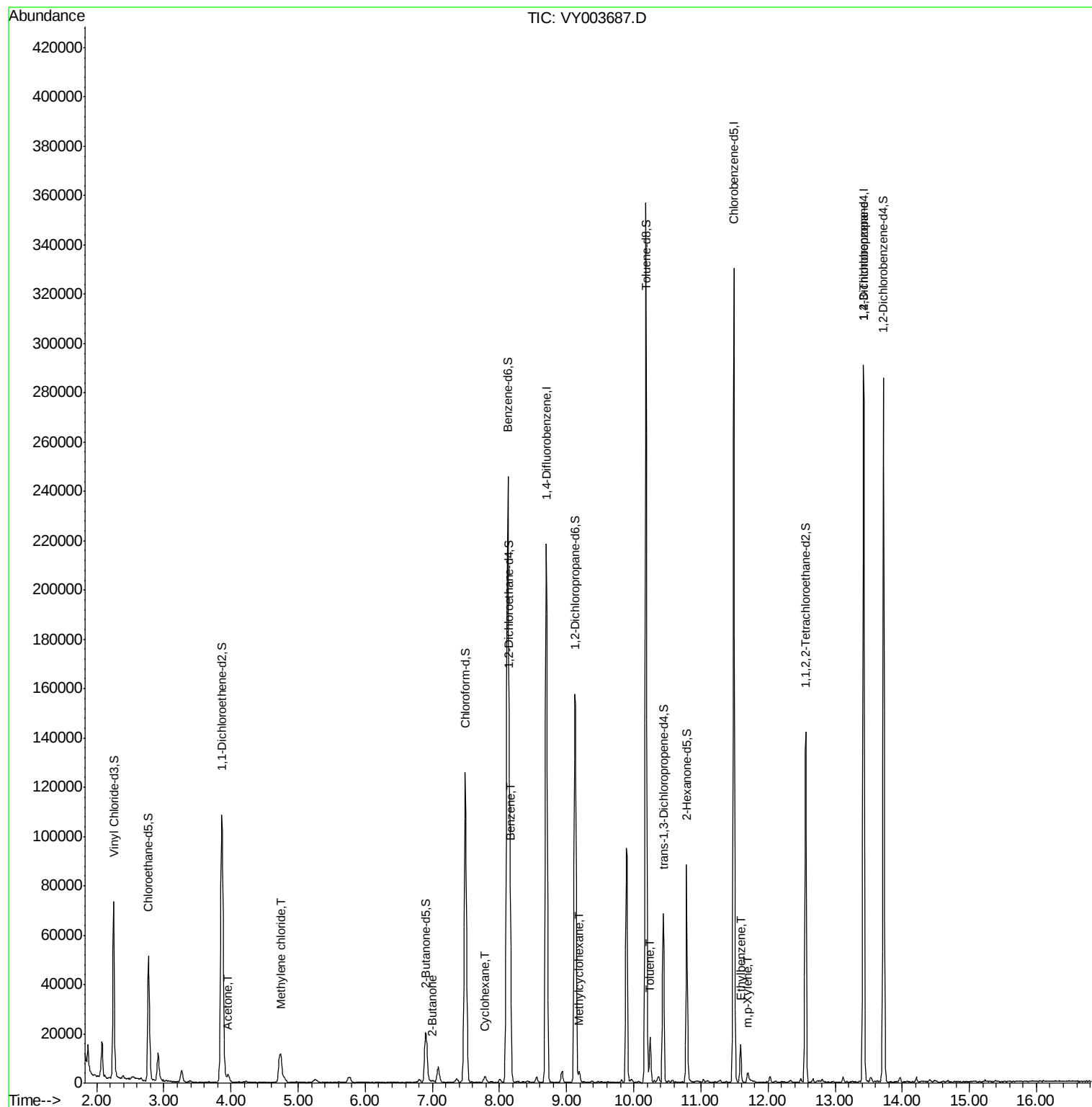
					Ovalue
13) Acetone	3.95	43	4476	6.326 ug/L	89
16) Methylene chloride	4.74	84	9088	2.703 ug/L	95
21) 2-Butanone	7.00	43	970	0.776 ug/L	80
30) Cyclohexane	7.78	56	1209	0.316 ug/L #	79
34) Benzene	8.17	78	3084	0.304 ug/L	100
36) Methylcyclohexane	9.18	83	1394	0.326 ug/L	98
44) Toluene	10.25	91	13367	1.248 ug/L	98
53) Ethylbenzene	11.59	91	10772	0.922 ug/L	95
54) m,p-Xylene	11.70	106	1401	0.311 ug/L	98
59) 1,2,3-Trichloropropane	13.42	75	9615	4.570 ug/L	98

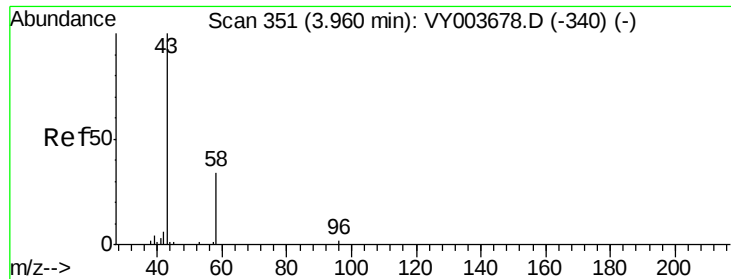
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Dec 09 01:58:23 2020
Response via : Initial Calibration





#13

Acetone

Concen: 6.326 ug/L

RT: 3.95 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY003687.D

Acq: 08 Dec 2020 19:46

Instrument :

MSVOA_Y

ClientSampleId :

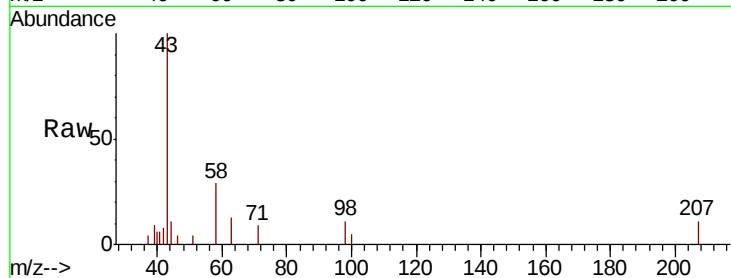
GB1F7

Tot Ion: 43 Resp: 4476

Ion Ratio Lower Upper

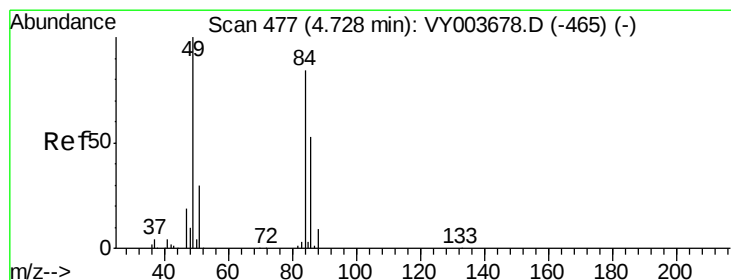
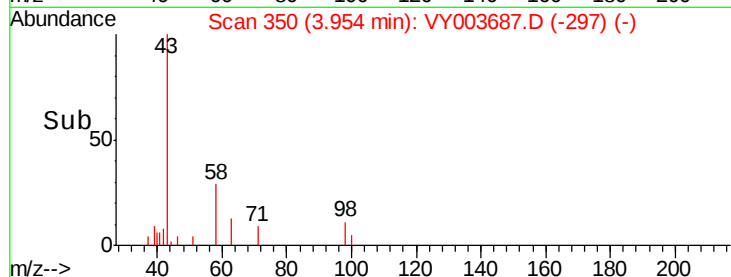
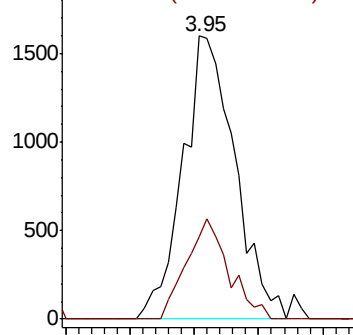
43 100

58 28.2 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#16

Methylene chloride

Concen: 2.703 ug/L

RT: 4.74 min Scan# 479

Delta R.T. 0.01 min

Lab File: VY003687.D

Acq: 08 Dec 2020 19:46

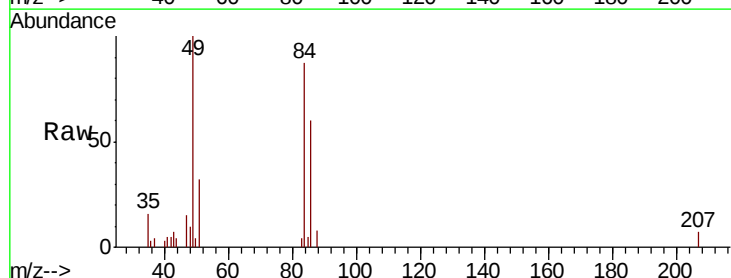
Tgt Ion: 84 Resp: 9088

Ion Ratio Lower Upper

84 100

49 114.5 83.7 155.4

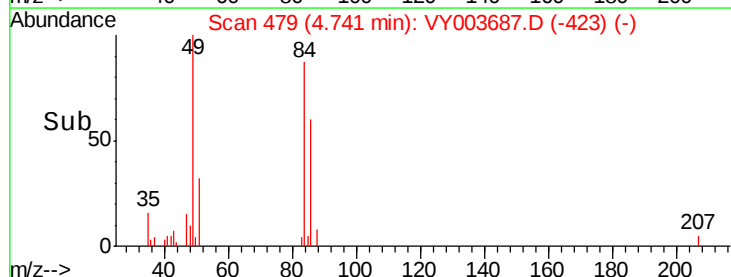
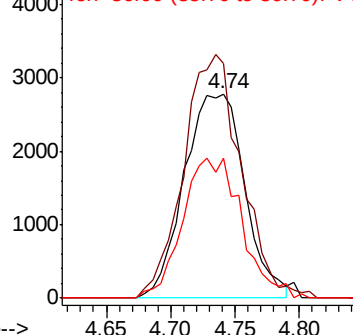
86 68.7 45.0 83.6

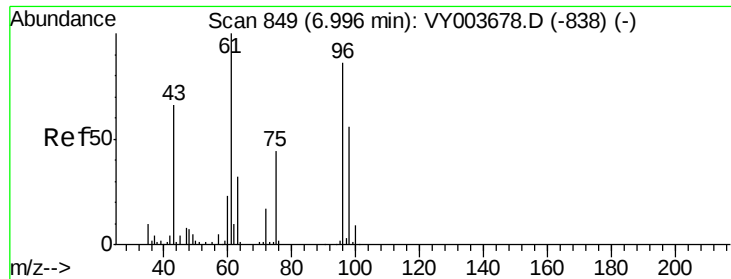


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#21

2-Butanone

Concen: 0.776 ug/L

RT: 7.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VY003687.D

Acq: 08 Dec 2020 19:46

Instrument :

MSVOA_Y

ClientSampled :

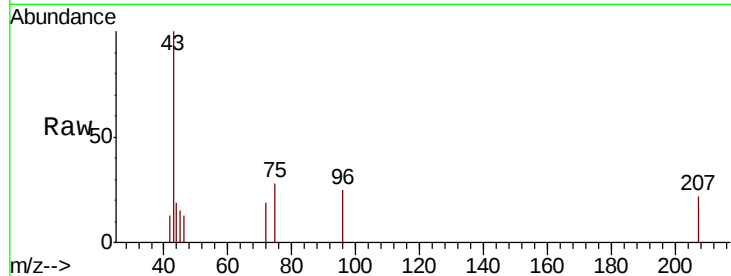
GB1F7

Tot Ion: 43 Resp: 970

Ion Ratio Lower Upper

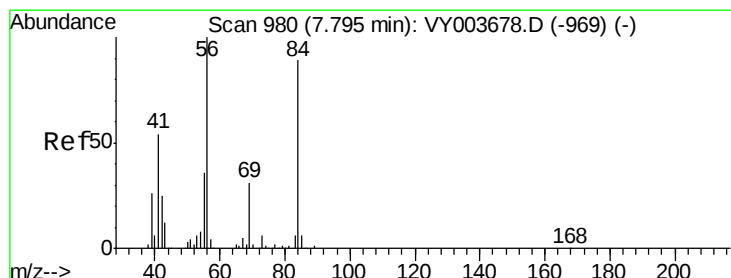
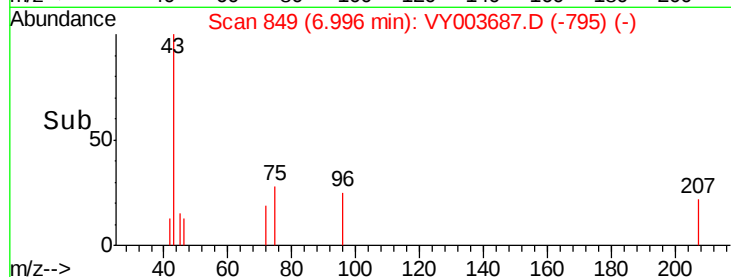
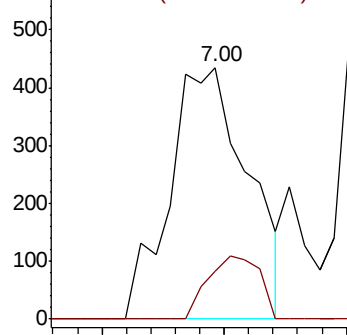
43 100

72 16.5 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#30

Cyclohexane

Concen: 0.316 ug/L

RT: 7.78 min Scan# 978

Delta R.T. -0.01 min

Lab File: VY003687.D

Acq: 08 Dec 2020 19:46

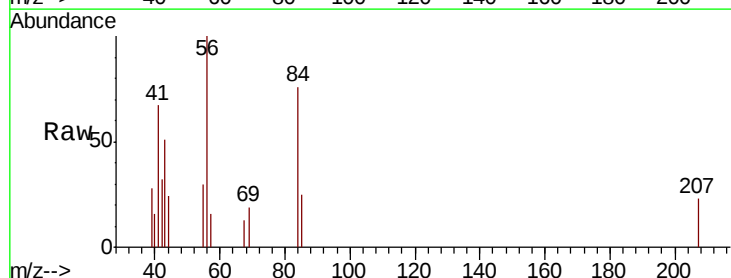
Tgt Ion: 56 Resp: 1209

Ion Ratio Lower Upper

56 100

69 21.0 23.8 35.8#

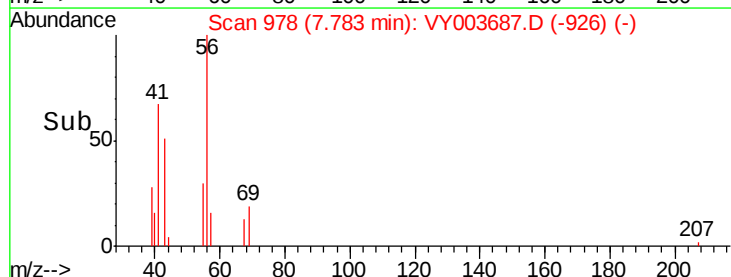
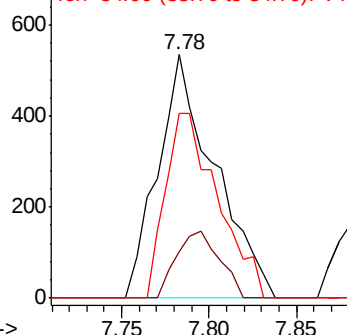
84 70.1 73.2 109.8#

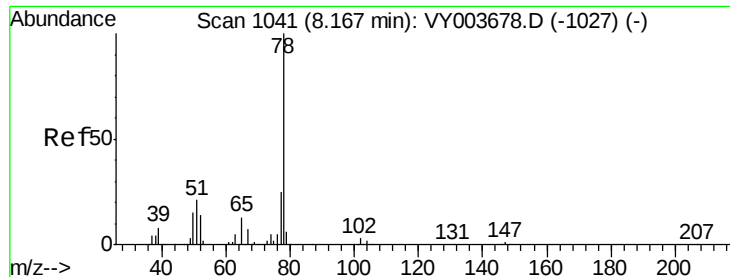


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#34

Benzene

Concen: 0.304 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VY003687.D

Acq: 08 Dec 2020 19:46

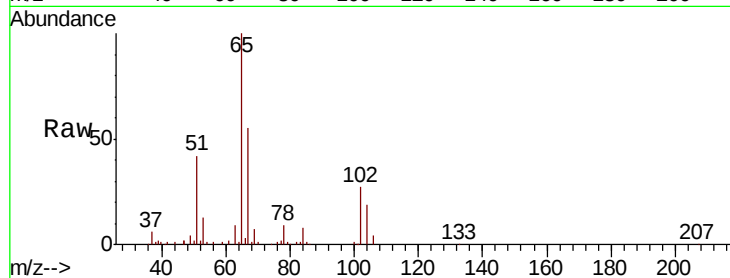
Instrument :

MSVOA_Y

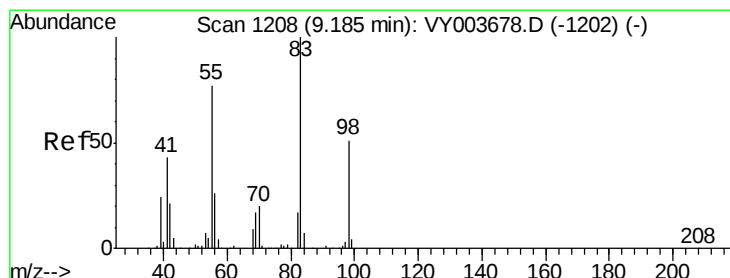
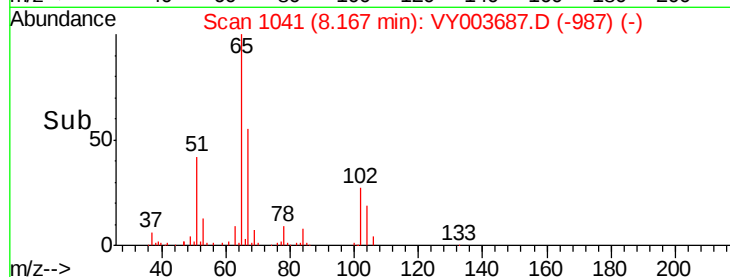
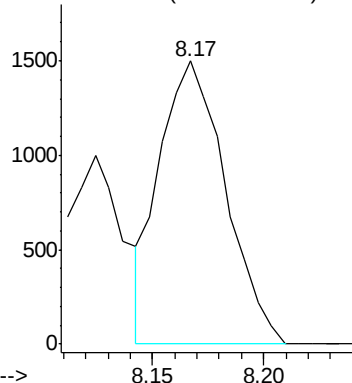
ClientSampleId :

GB1F7

Tgt Ion: 78 Resp: 3084



Abundance Ion 78.00 (77.70 to 78.70): VY0



#36

Methylcyclohexane

Concen: 0.326 ug/L

RT: 9.18 min Scan# 1208

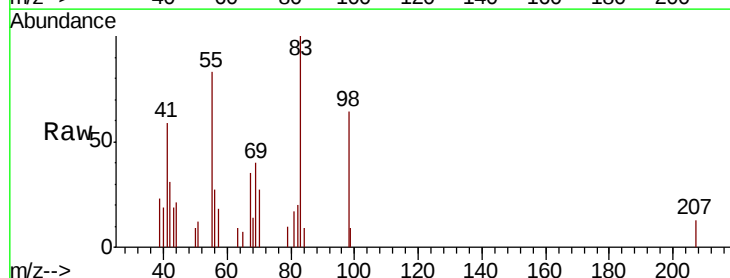
Delta R.T. -0.00 min

Lab File: VY003687.D

Acq: 08 Dec 2020 19:46

Tgt Ion: 83 Resp: 1394

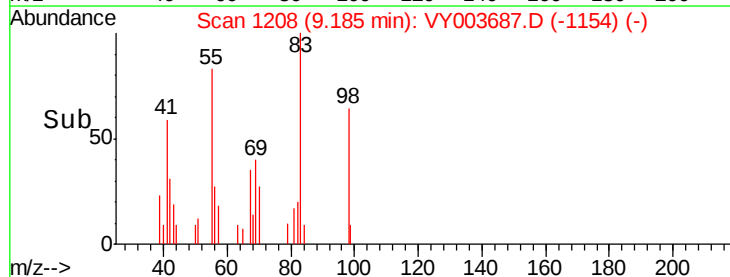
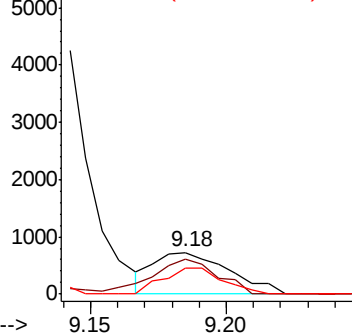
Ion	Ratio	Lower	Upper
83	100		
55	73.2	56.4	84.6
98	50.7	40.3	60.5

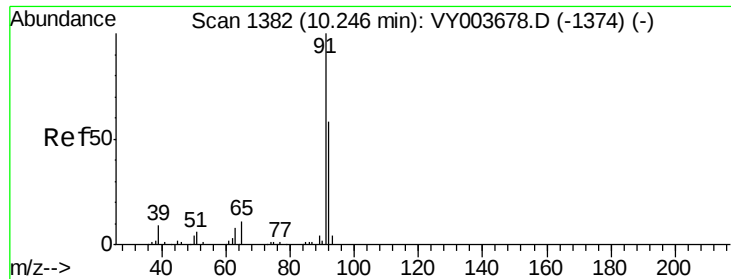


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#44

Toluene

Concen: 1.248 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VY003687.D

Acq: 08 Dec 2020 19:46

Instrument :

MSVOA_Y

ClientSampleId :

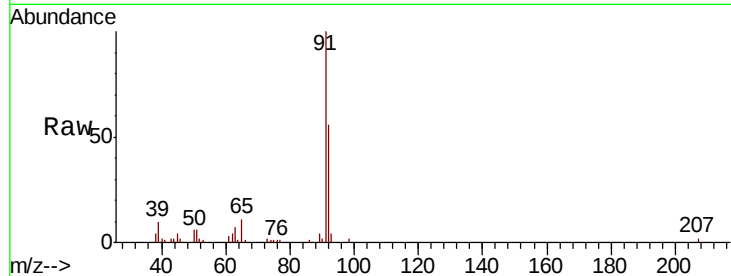
GB1F7

Tot Ion: 91 Resp: 13367

Ion Ratio Lower Upper

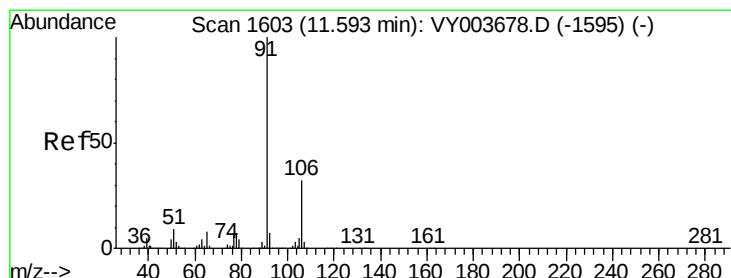
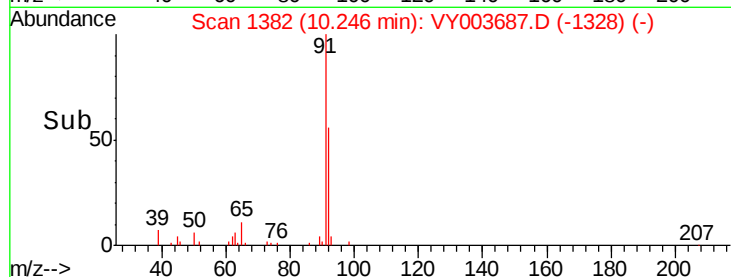
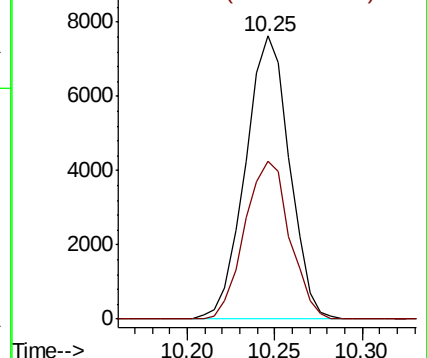
91 100

92 55.7 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#53

Ethylbenzene

Concen: 0.922 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VY003687.D

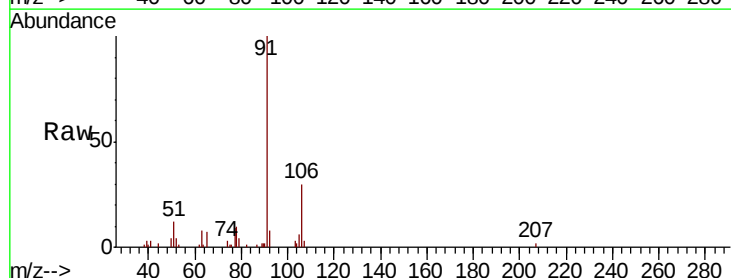
Acq: 08 Dec 2020 19:46

Tgt Ion: 91 Resp: 10772

Ion Ratio Lower Upper

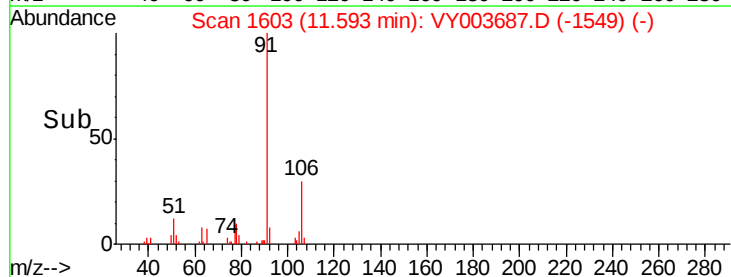
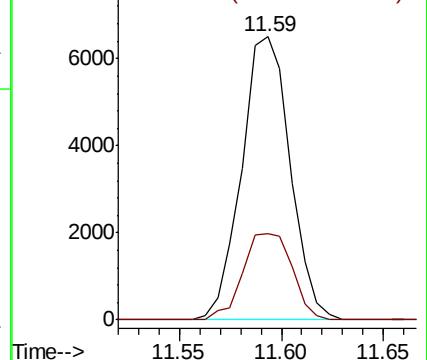
91 100

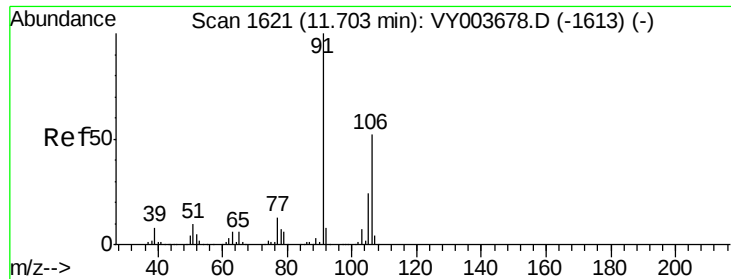
106 30.3 23.3 43.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 0.311 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003687.D

Acq: 08 Dec 2020 19:46

Instrument :

MSVOA_Y

ClientSampleId :

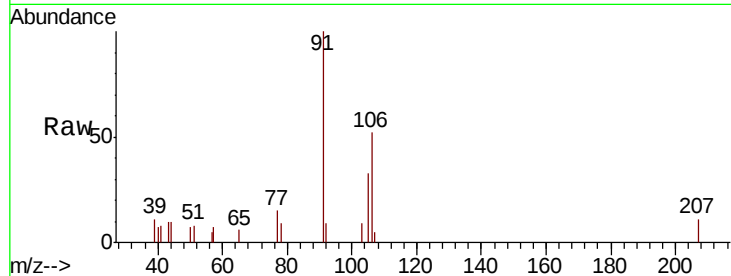
GB1F7

Tot Ion:106 Resp: 1401

Ion Ratio Lower Upper

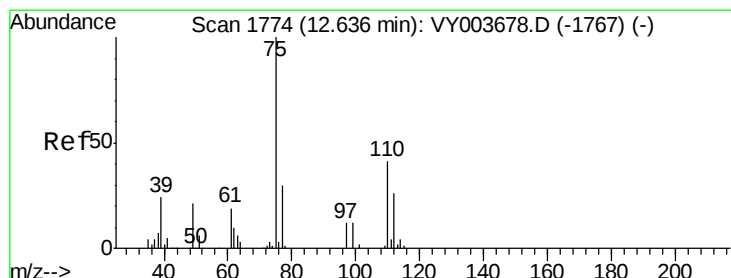
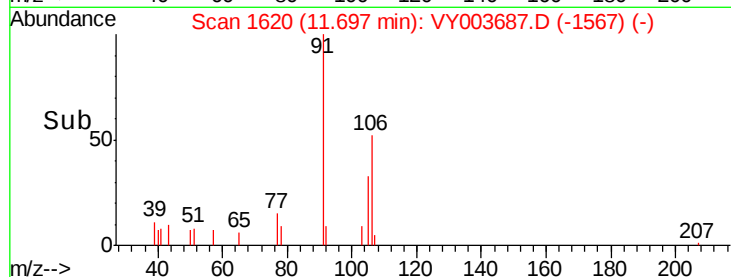
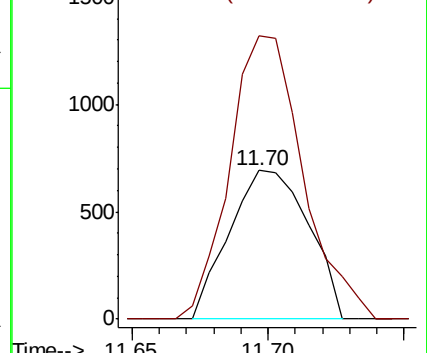
106 100

91 190.6 131.3 243.9



Abundance Ion 106.00 (105.70 to 106.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



#59

1,2,3-Trichloropropane

Concen: 4.570 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003687.D

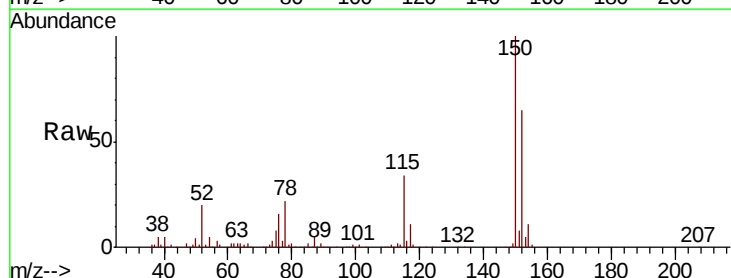
Acq: 08 Dec 2020 19:46

Tgt Ion: 75 Resp: 9615

Ion Ratio Lower Upper

75 100

77 33.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

