

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003715.D
 Acq On : 10 Dec 2020 13:34
 Operator : SY/MD
 Sample : L4980-04
 Misc : 5.38G/10ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1E9

Quant Time: Dec 11 00:49:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 00:47:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	216127	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	202952	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	91576	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	58628	19.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.72%
7) Chloroethane-d5	2.77	69	50693	21.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.96%
10) 1,1-Dichloroethene-d2	3.86	63	90966	15.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.24%
20) 2-Butanone-d5	6.90	46	34232	31.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.84%
24) Chloroform-d	7.49	84	128863	23.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.68%
26) 1,2-Dichloroethane-d4	8.15	65	66844	21.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.44%
29) Benzene-d6	8.12	84	272270	23.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.68%
33) 1,2-Dichloropropane-d6	9.12	67	81498	23.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.76%
37) Toluene-d8	10.18	98	253320	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.20%
38) trans-1,3-Dichloropropene-	10.44	79	35928	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.48%
39) 2-Hexanone-d5	10.79	63	28791	33.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.10%
48) 1,1,1,2,2-Tetrachloroethane-	12.56	84	61357	19.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.24%
61) 1,2-Dichlorobenzene-d4	13.72	152	81814	24.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.36%

Target Compounds

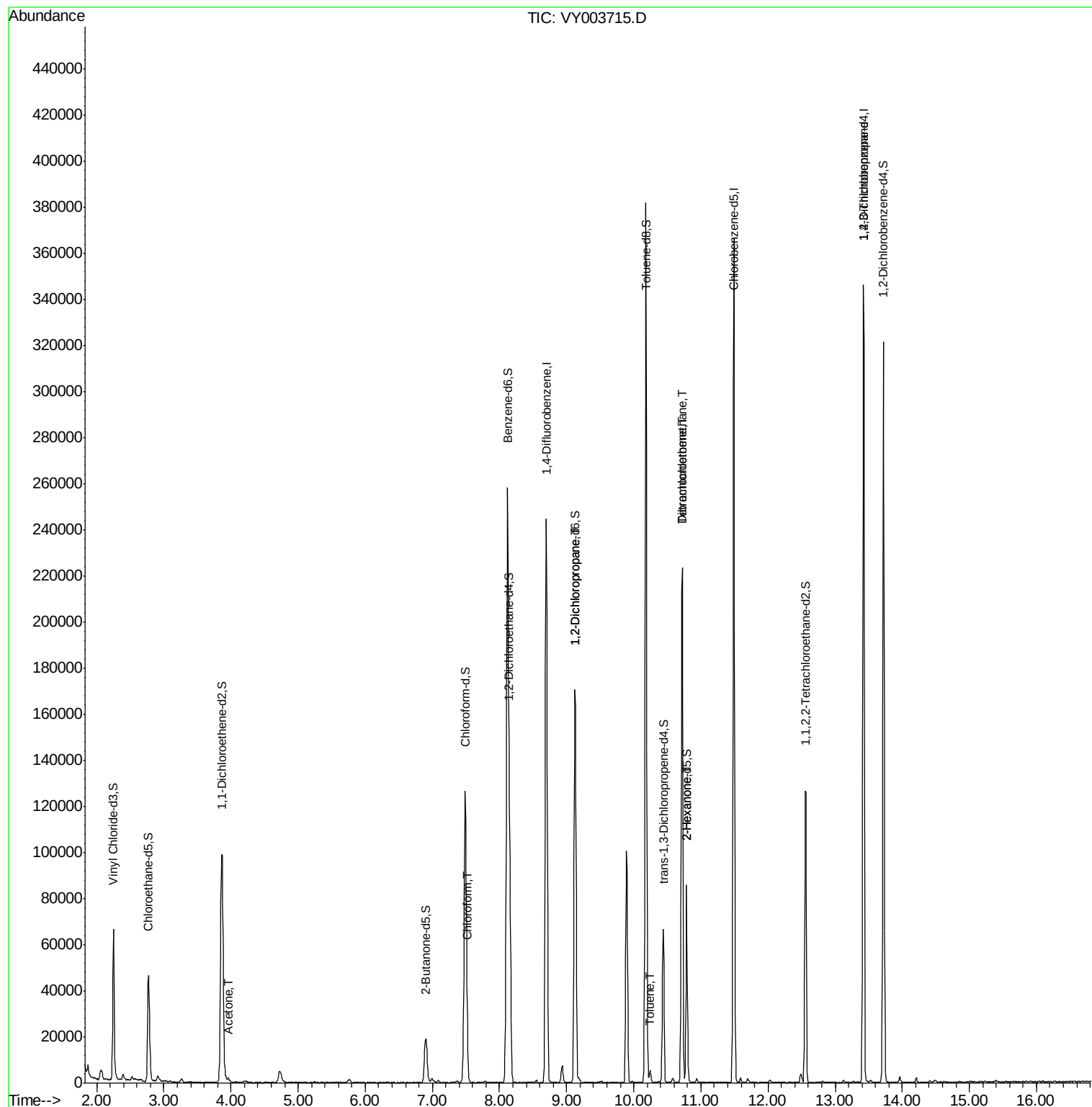
					Ovalue
13) Acetone	3.97	43	1855	2.322 ug/L	99
25) Chloroform	7.52	83	5580	1.127 ug/L	79
40) 1,2-Dichloropropane	9.13	63	9028	3.100 ug/L #	86
44) Toluene	10.25	91	3971	0.324 ug/L	93
47) Tetrachloroethene	10.72	164	51447	20.725 ug/L	98
49) 2-Hexanone	10.79	43	3349	1.742 ug/L #	64
50) Dibromochloromethane	10.72	129	44350	15.096 ug/L #	11
59) 1,2,3-Trichloropropane	13.42	75	10587	4.400 ug/L	97

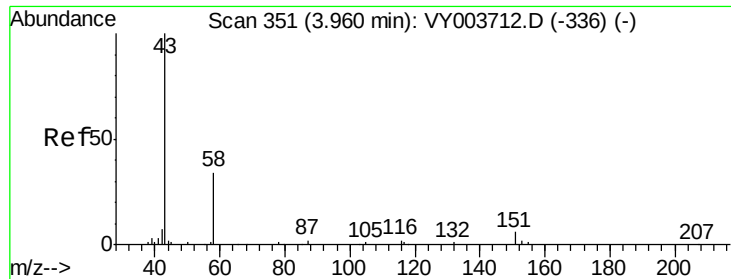
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.322 ug/L

RT: 3.97 min Scan# 353

Delta R.T. 0.01 min

Lab File: VY003715.D

Acq: 10 Dec 2020 13:34

Instrument :

MSVOA_Y

ClientSampleId :

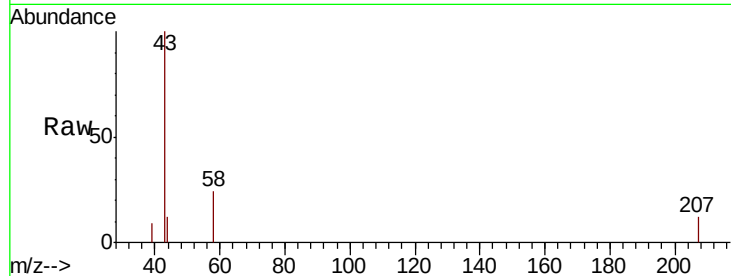
GB1E9

Tot Ion: 43 Resp: 1855

Ion Ratio Lower Upper

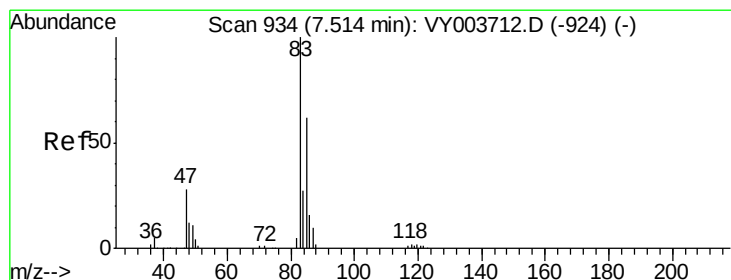
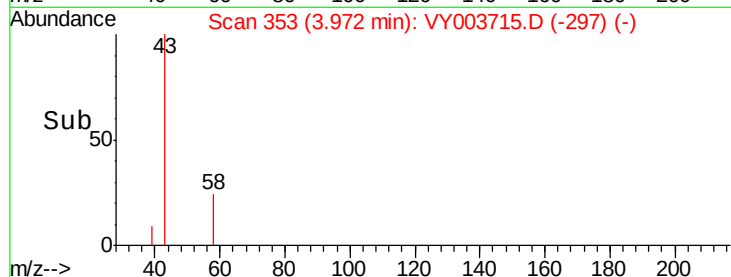
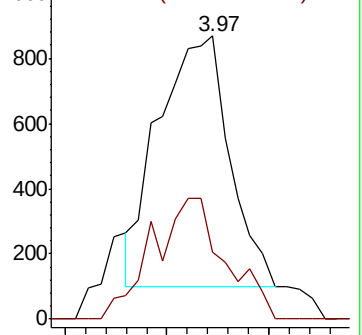
43 100

58 35.1 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003715.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VY003715.D (-336) (-)



#25

Chloroform

Concen: 1.127 ug/L

RT: 7.52 min Scan# 935

Delta R.T. 0.01 min

Lab File: VY003715.D

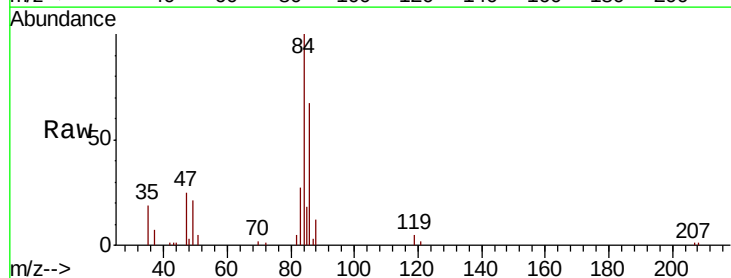
Acq: 10 Dec 2020 13:34

Tgt Ion: 83 Resp: 5580

Ion Ratio Lower Upper

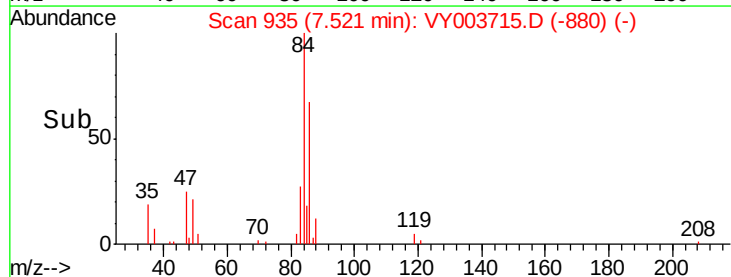
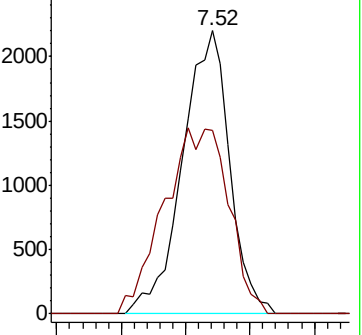
83 100

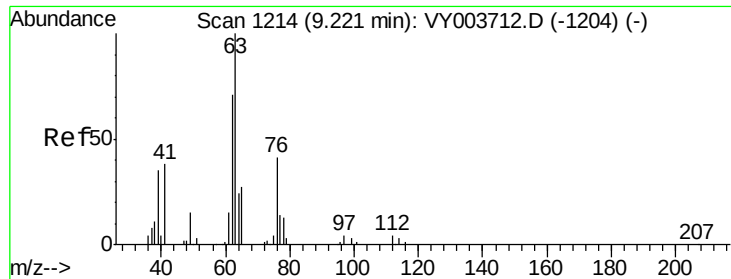
85 49.9 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VY003715.D (-880) (-)

Ion 85.00 (84.70 to 85.70): VY003715.D (-880) (-)





#40

1,2-Dichloropropane

Concen: 3.100 ug/L

RT: 9.13 min Scan# 1199

Delta R.T. -0.09 min

Lab File: VY003715.D

Acq: 10 Dec 2020 13:34

Instrument :

MSVOA_Y

ClientSampleId :

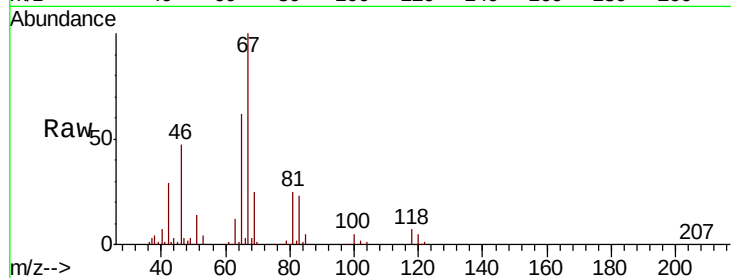
GB1E9

Tot Ion: 63 Resp: 9028

Ion Ratio Lower Upper

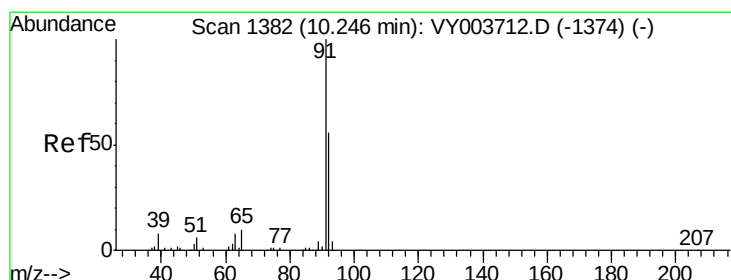
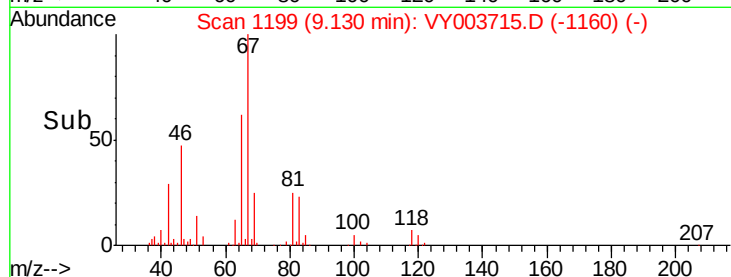
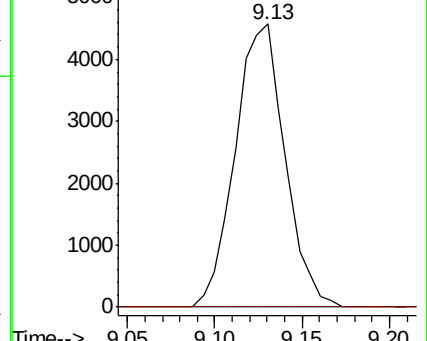
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VY0

Ion 112.00 (111.70 to 112.70): VY0



#44

Toluene

Concen: 0.324 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003715.D

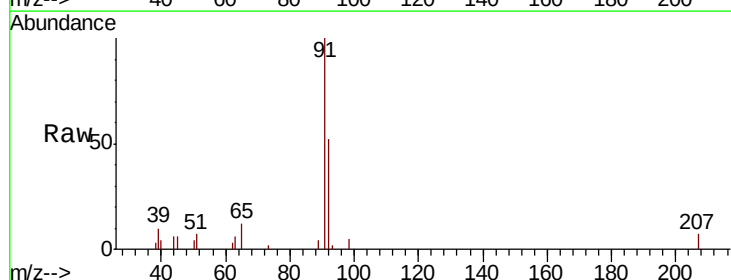
Acq: 10 Dec 2020 13:34

Tgt Ion: 91 Resp: 3971

Ion Ratio Lower Upper

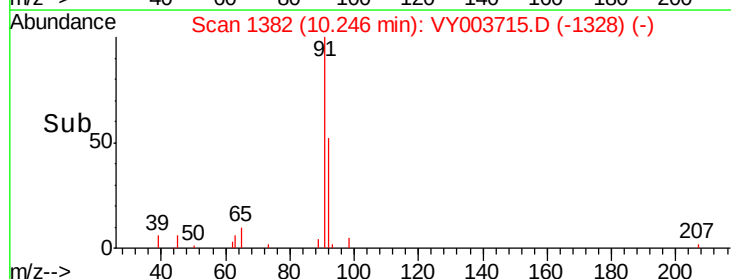
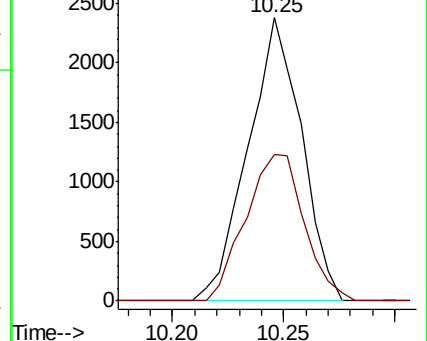
91 100

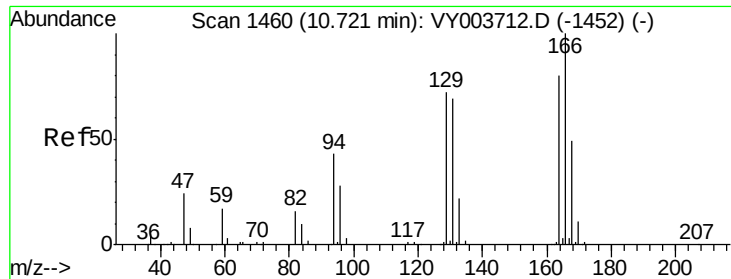
92 51.6 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0





#47

Tetrachloroethene

Concen: 20.725 ug/L

RT: 10.72 min Scan# 1460

Delta R.T. 0.00 min

Lab File: VY003715.D

Acq: 10 Dec 2020 13:34

Instrument :

MSVOA_Y

ClientSampleId :

GB1E9

Tot Ion:164 Resp: 51447

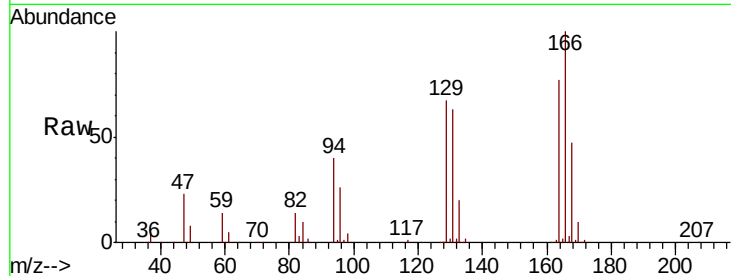
Ion Ratio Lower Upper

164 100

129 86.7 59.6 110.6

131 82.1 57.9 107.5

166 129.5 93.2 173.2

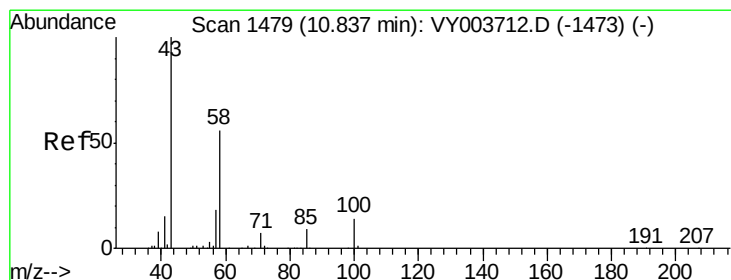
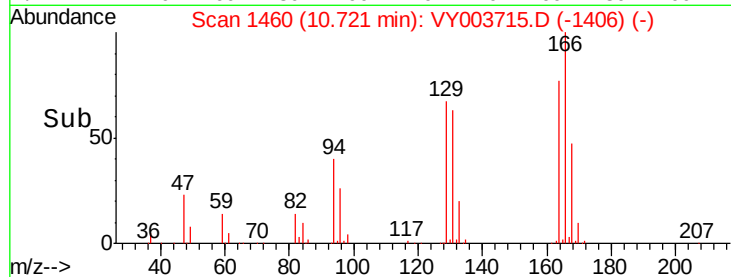
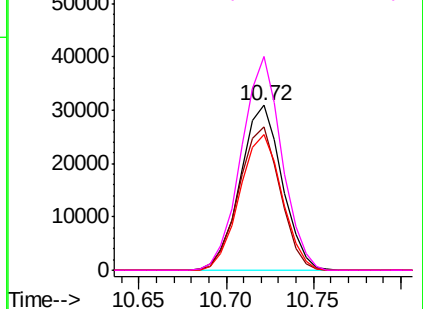


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 1.742 ug/L

RT: 10.79 min Scan# 1471

Delta R.T. -0.05 min

Lab File: VY003715.D

Acq: 10 Dec 2020 13:34

Tgt Ion: 43 Resp: 3349

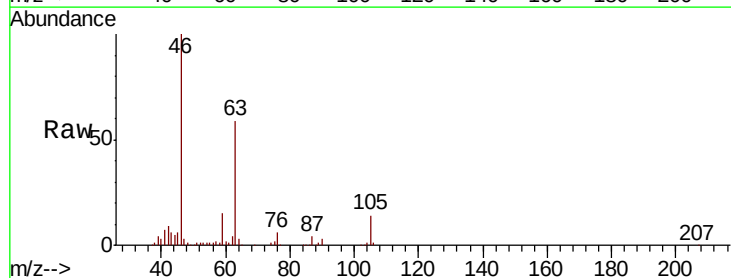
Ion Ratio Lower Upper

43 100

58 24.6 44.8 67.2#

57 26.9 14.8 22.2#

100 0.0 9.9 14.9#

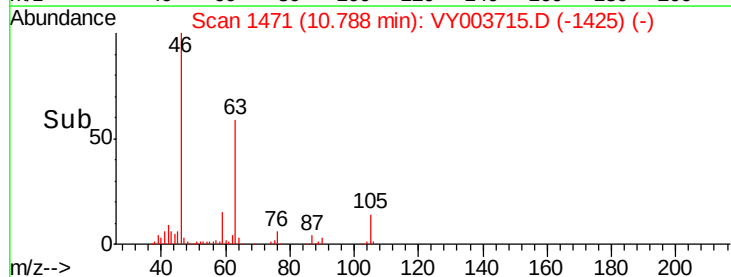
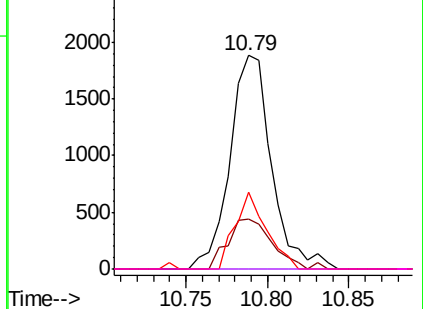


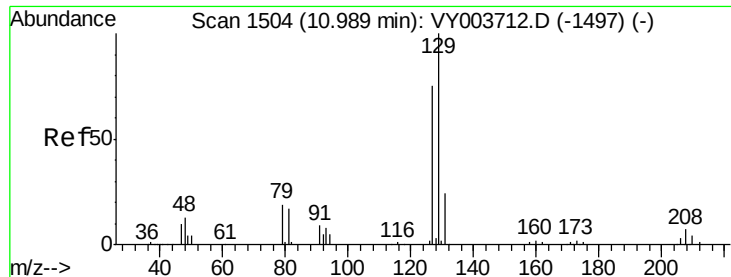
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

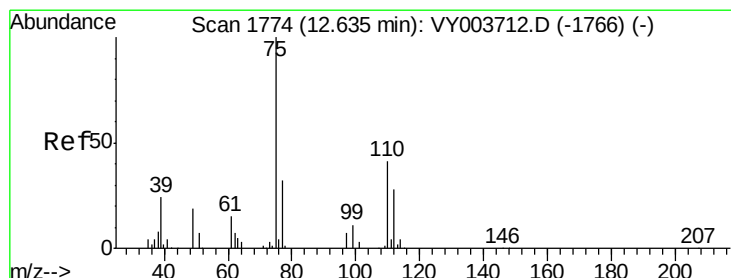
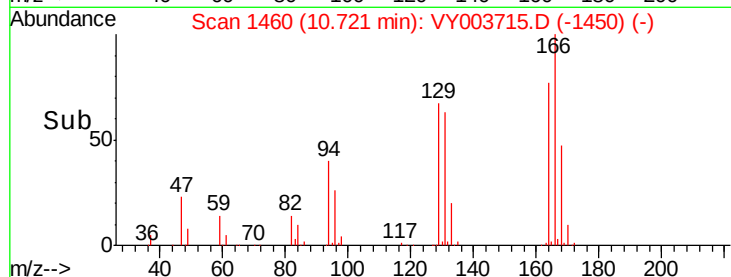
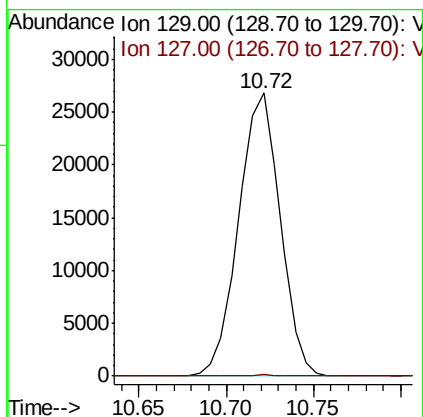
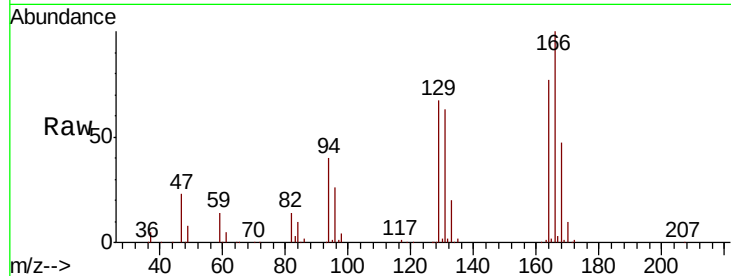




#50
Dibromochloromethane
Concen: 15.096 ug/L
RT: 10.72 min Scan# 1460
Delta R.T. -0.27 min
Lab File: VY003715.D
Acq: 10 Dec 2020 13:34

Instrument :
MSVOA_Y
ClientSampleId :
GB1E9

Tot Ion:129 Resp: 44350
Ion Ratio Lower Upper
129 100
127 0.6 54.8 101.8#



#59
1,2,3-Trichloropropane
Concen: 4.400 ug/L
RT: 13.42 min Scan# 1903
Delta R.T. 0.79 min
Lab File: VY003715.D
Acq: 10 Dec 2020 13:34

Tgt Ion: 75 Resp: 10587
Ion Ratio Lower Upper
75 100
77 34.1 25.9 38.9

