

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003697.D
 Acq On : 09 Dec 2020 13:54
 Operator : SY/MD
 Sample : L4980-01
 Misc : 6.08G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1E6

Quant Time: Dec 10 02:29:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 02:27:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	220558	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	210366	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	95360	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	58536	18.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.08%
7) Chloroethane-d5	2.77	69	49647	21.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.40%
10) 1,1-Dichloroethene-d2	3.86	63	91943	15.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.64%
20) 2-Butanone-d5	6.90	46	43085	38.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.50%
24) Chloroform-d	7.49	84	125557	22.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	8.15	65	69048	21.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.48%
29) Benzene-d6	8.12	84	273283	22.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.76%
33) 1,2-Dichloropropane-d6	9.12	67	81487	22.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.44%
37) Toluene-d8	10.18	98	250983	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.96%
38) trans-1,3-Dichloropropene-	10.44	79	37666	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.48%
39) 2-Hexanone-d5	10.79	63	36596	40.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.06%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	66694	20.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.08%
61) 1,2-Dichlorobenzene-d4	13.72	152	85622	24.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.84%

Target Compounds

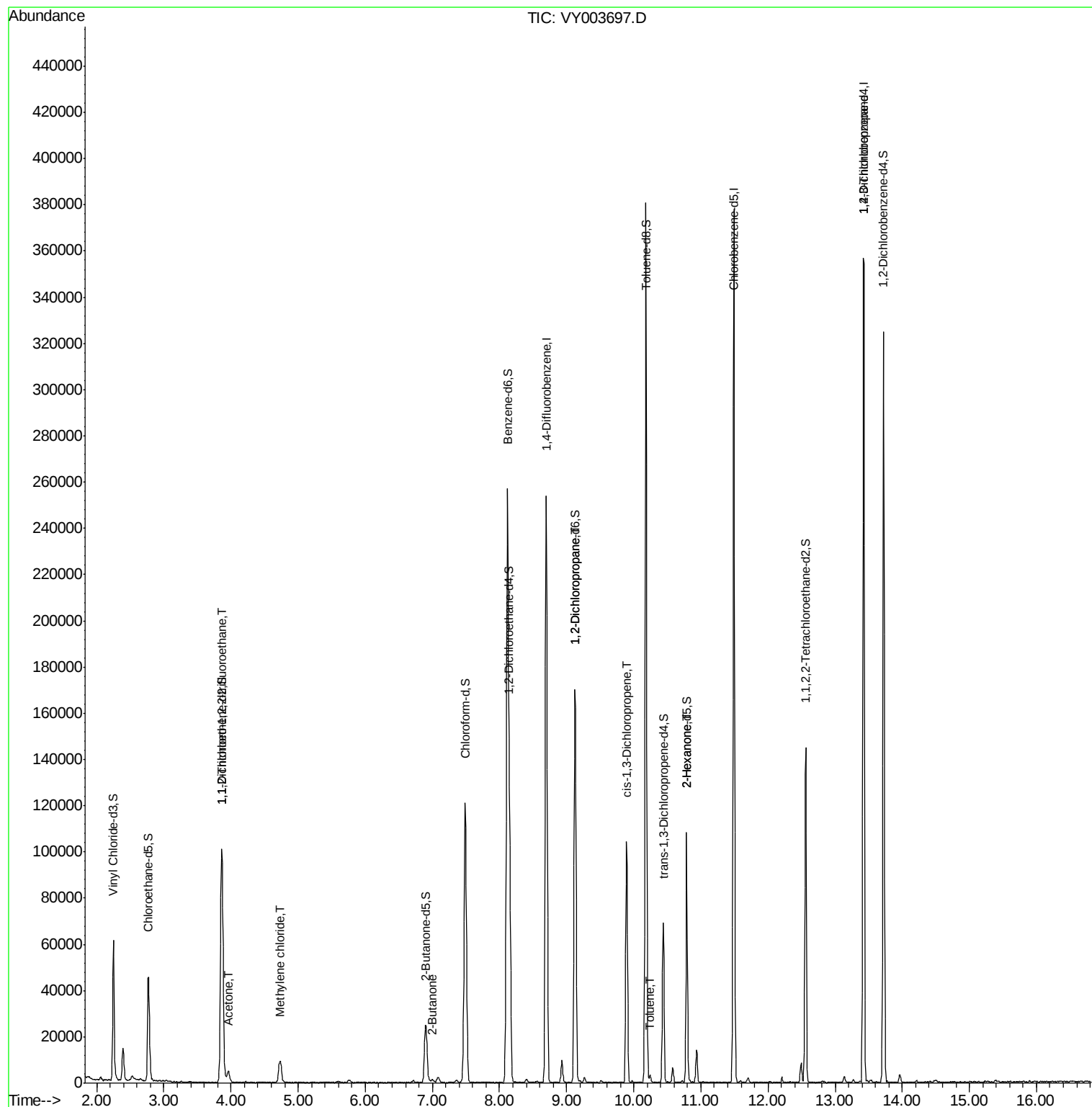
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	3.86	101	753	0.269	ug/L #	17
13) Acetone	3.96	43	8038	9.861	ug/L	98
16) Methylene chloride	4.73	84	7373	1.904	ug/L	86
21) 2-Butanone	6.99	43	1554	1.080	ug/L	75
40) 1,2-Dichloropropane	9.12	63	9132	3.026	ug/L #	86
42) cis-1,3-Dichloropropene	9.89	75	2845	0.599	ug/L #	69
44) Toluene	10.25	91	2442	0.192	ug/L	93
49) 2-Hexanone	10.79	43	3808	1.911	ug/L #	67
59) 1,2,3-Trichloropropane	13.42	75	11367	4.557	ug/L	99

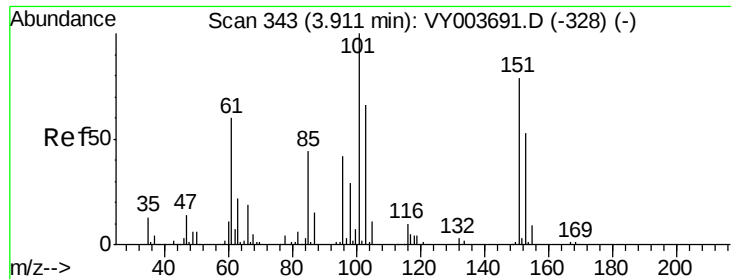
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Dec 10 02:27:01 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.269 ug/L

RT: 3.86 min Scan# 335

Delta R.T. -0.05 min

Lab File: VY003697.D

Acq: 09 Dec 2020 13:54

Instrument :

MSVOA_Y

ClientSampleId :

GB1E6

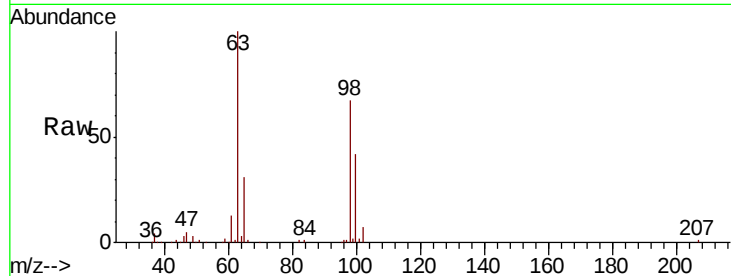
Tot Ion:101 Resp: 753

Ion Ratio Lower Upper

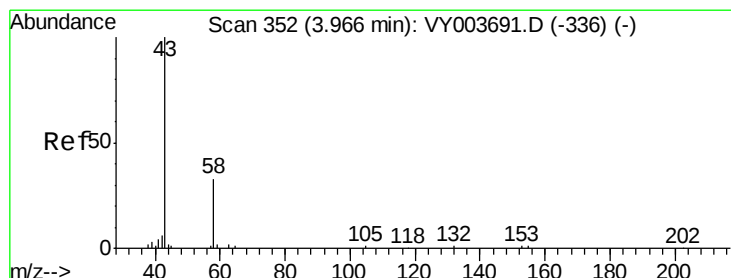
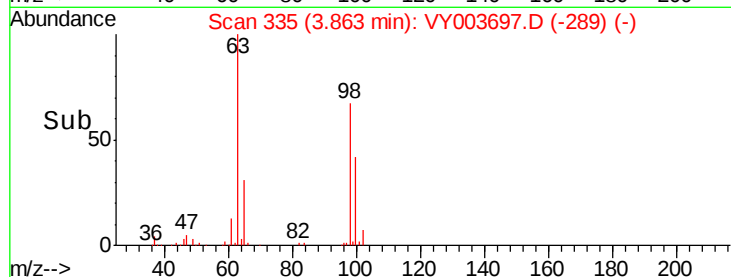
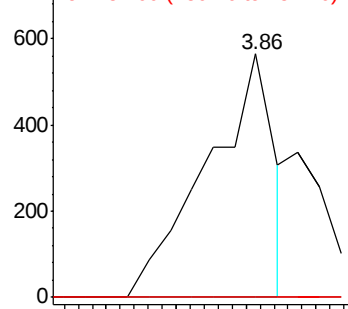
101 100

85 0.0 33.9 50.9#

151 0.0 65.0 97.4#



Abundance Ion 101.00 (100.70 to 101.70): VY003697.D (-328) (-)



#13

Acetone

Concen: 9.861 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003697.D

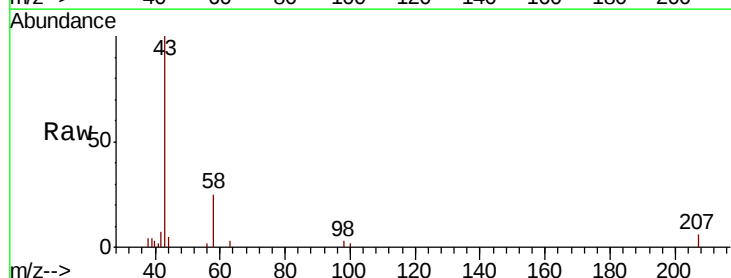
Acq: 09 Dec 2020 13:54

Tgt Ion: 43 Resp: 8038

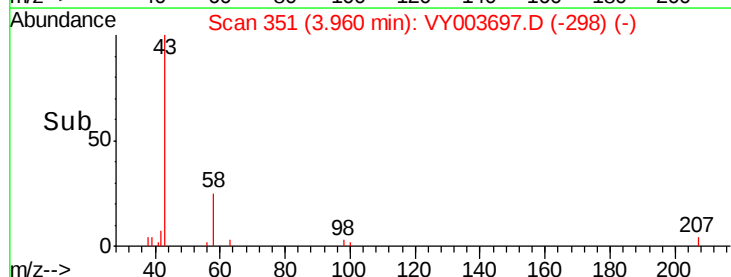
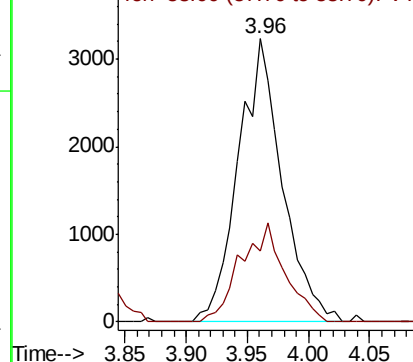
Ion Ratio Lower Upper

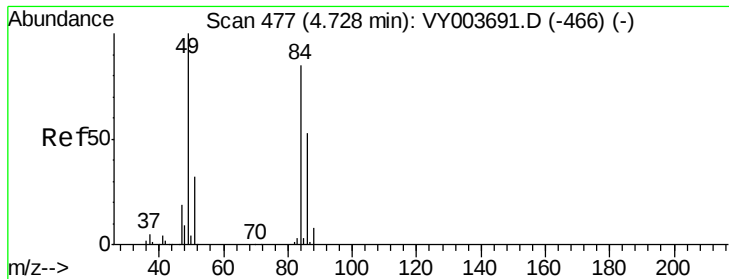
43 100

58 35.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY003697.D (-336) (-)

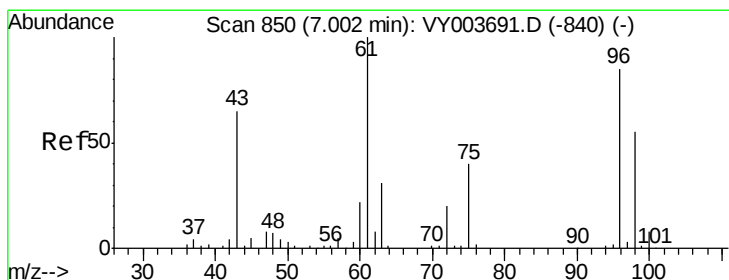
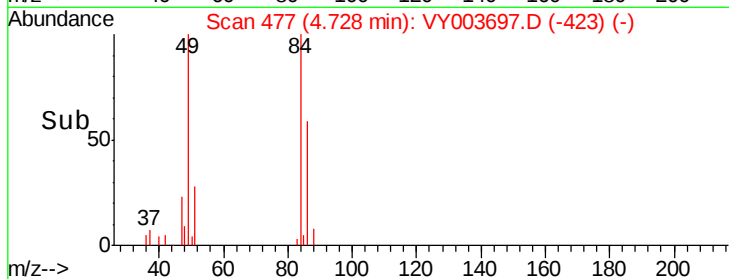
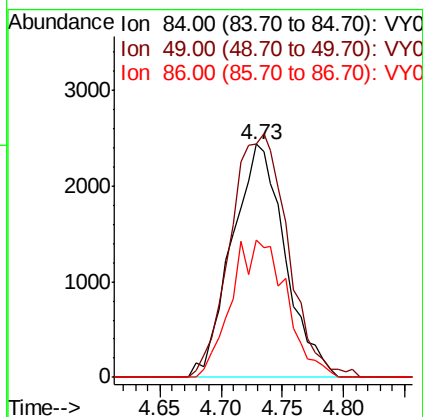
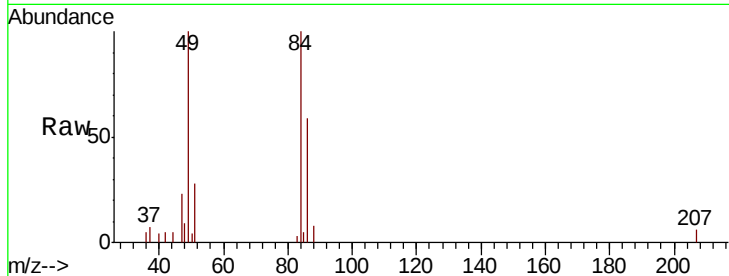




#16
Methvlene chloride
Concen: 1.904 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003697.D
Acq: 09 Dec 2020 13:54

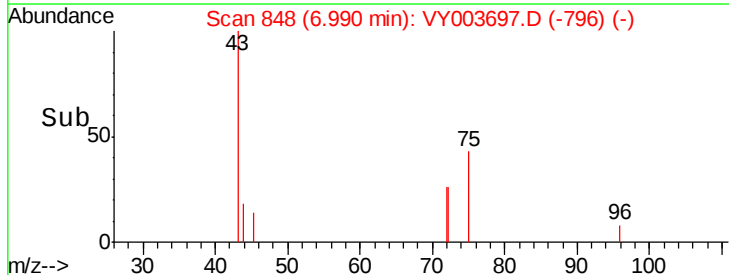
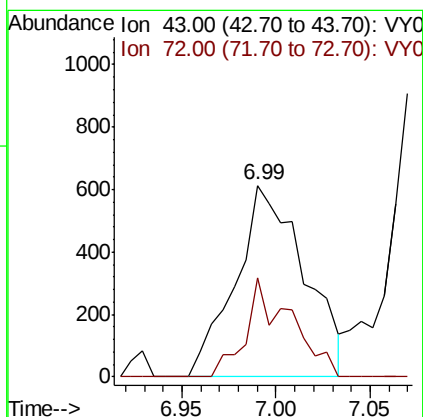
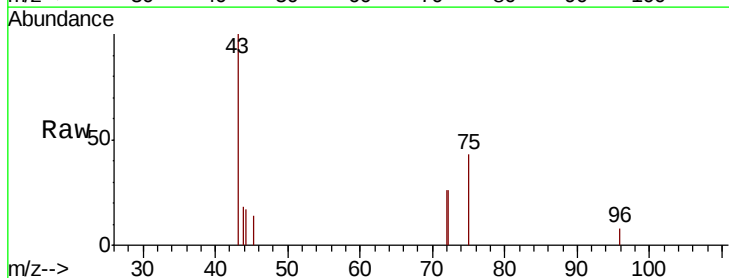
Instrument :
MSVOA_Y
ClientSampleId :
GB1E6

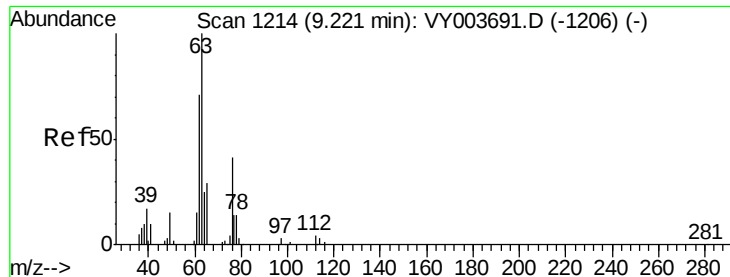
Tot Ion: 84 Resp: 7373
Ion Ratio Lower Upper
84 100
49 100.2 83.7 155.4
86 58.9 45.0 83.6



#21
2-Butanone
Concen: 1.080 ug/L
RT: 6.99 min Scan# 848
Delta R.T. -0.01 min
Lab File: VY003697.D
Acq: 09 Dec 2020 13:54

Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
72 13.8 13.3 39.9





#40

1,2-Dichloropropane

Concen: 3.026 ug/L

RT: 9.12 min Scan# 1198

Delta R.T. -0.10 min

Lab File: VY003697.D

Acq: 09 Dec 2020 13:54

Instrument :

MSVOA_Y

ClientSampleId :

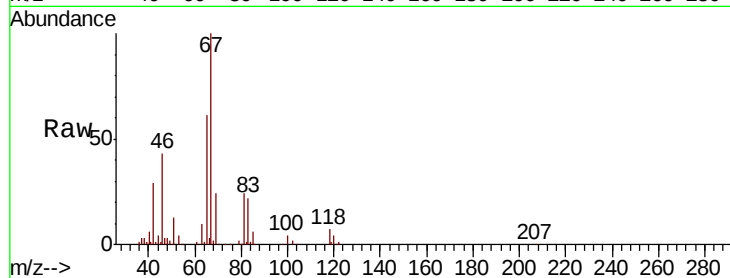
GB1E6

Tot Ion: 63 Resp: 9132

Ion Ratio Lower Upper

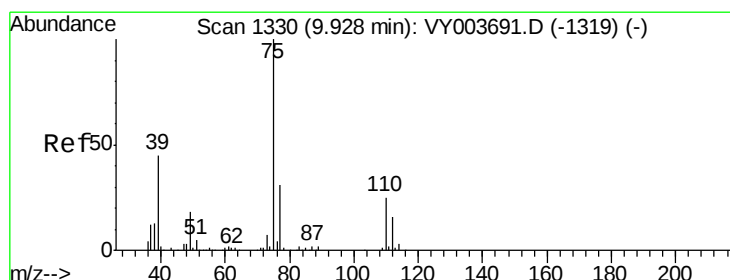
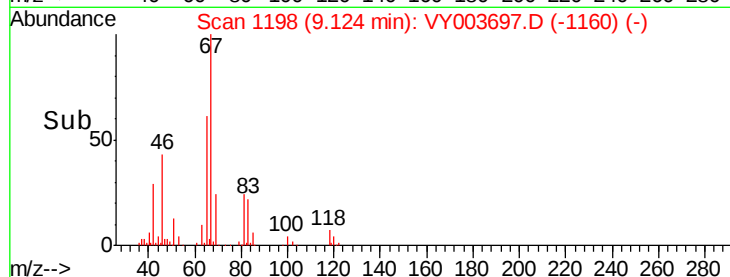
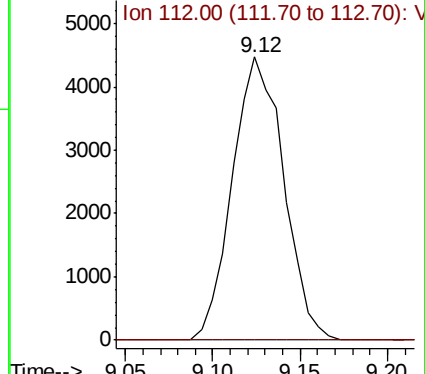
63 100

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



#42

cis-1,3-Dichloropropene

Concen: 0.599 ug/L

RT: 9.89 min Scan# 1324

Delta R.T. -0.04 min

Lab File: VY003697.D

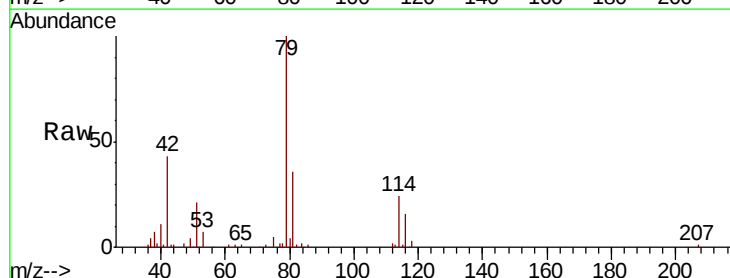
Acq: 09 Dec 2020 13:54

Tgt Ion: 75 Resp: 2845

Ion Ratio Lower Upper

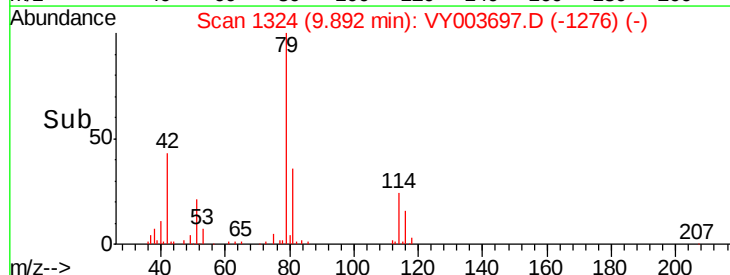
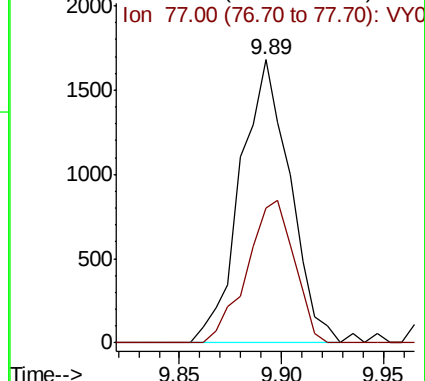
75 100

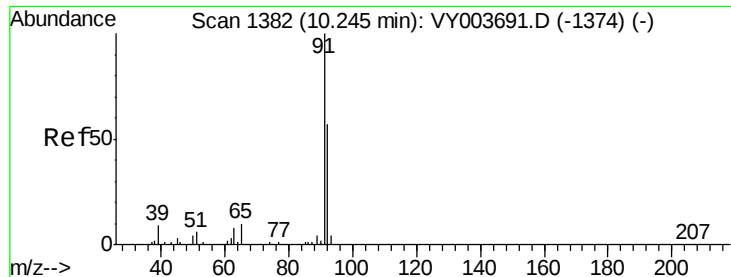
77 47.5 21.3 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0





#44

Toluene

Concen: 0.192 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003697.D

Acq: 09 Dec 2020 13:54

Instrument :

MSVOA_Y

ClientSampleId :

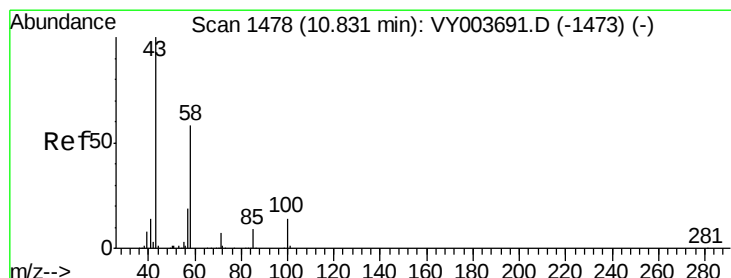
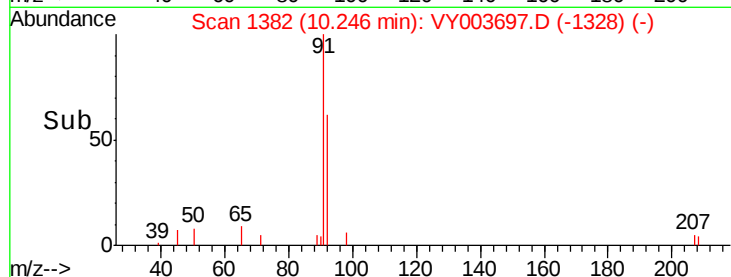
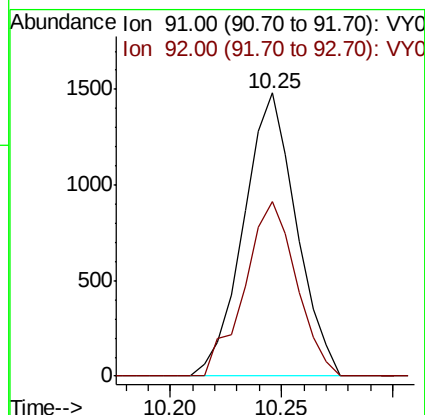
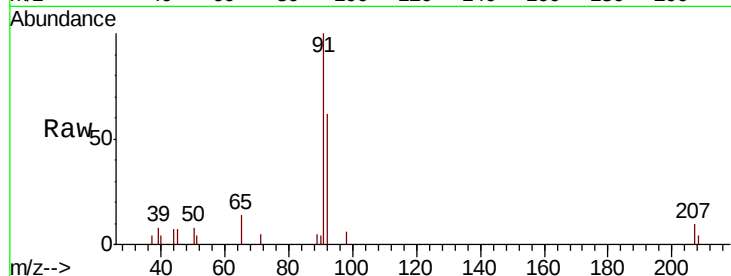
GB1E6

Tot Ion: 91 Resp: 2442

Ion Ratio Lower Upper

91 100

92 61.8 39.8 73.8



#49

2-Hexanone

Concen: 1.911 ug/L

RT: 10.79 min Scan# 1471

Delta R.T. -0.04 min

Lab File: VY003697.D

Acq: 09 Dec 2020 13:54

Tgt Ion: 43 Resp: 3808

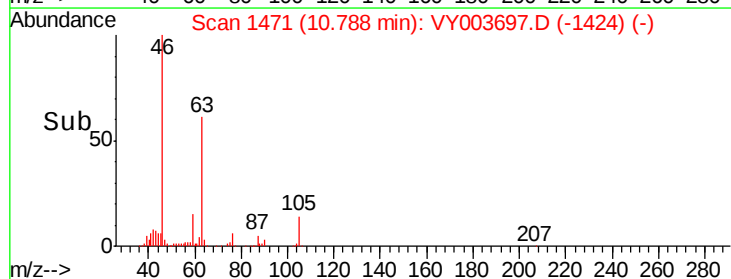
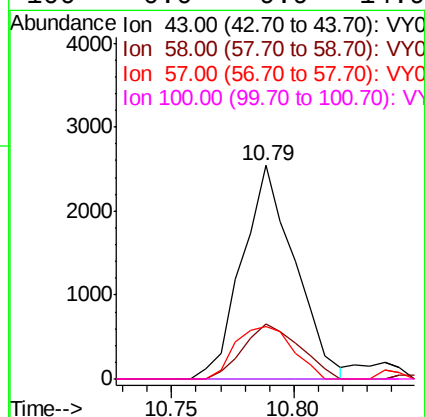
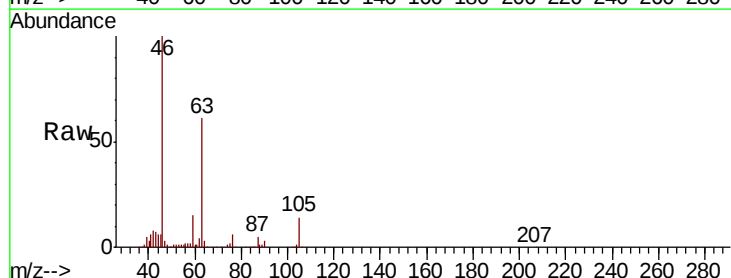
Ion Ratio Lower Upper

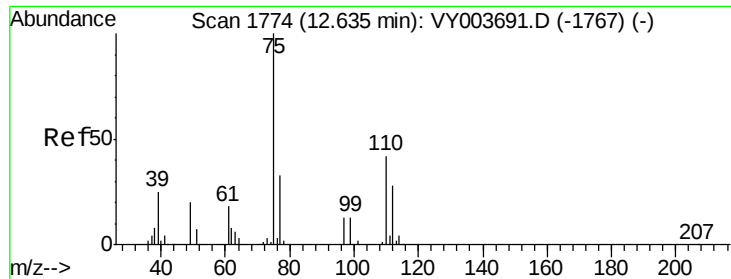
43 100

58 27.7 44.8 67.2#

57 26.5 14.8 22.2#

100 0.0 9.9 14.9#





#59

1,2,3-Trichloropropane

Concen: 4.557 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003697.D

Acq: 09 Dec 2020 13:54

Instrument :

MSVOA_Y

ClientSampleId :

GB1E6

Tot Ion: 75 Resp: 11367

Ion Ratio Lower Upper

75 100

77 32.8 25.9 38.9

