

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003702.D
 Acq On : 09 Dec 2020 15:48
 Operator : SY/MD
 Sample : L4979-01
 Misc : 3.56G/10ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F3

Quant Time: Dec 10 02:30:16 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	243467	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	228706	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	97230	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	68734	19.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.84%
7) Chloroethane-d5	2.77	69	59066	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.96%
10) 1,1-Dichloroethene-d2	3.86	63	106866	16.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.96%
20) 2-Butanone-d5	6.90	46	56938	46.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.78%
24) Chloroform-d	7.49	84	150057	23.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	8.15	65	81710	23.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.72%
29) Benzene-d6	8.12	84	325822	24.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.44%
33) 1,2-Dichloropropane-d6	9.12	67	97231	24.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.28%
37) Toluene-d8	10.18	98	299479	25.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.92%
38) trans-1,3-Dichloropropene-	10.44	79	44910	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.92%
39) 2-Hexanone-d5	10.79	63	47418	48.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.60%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	84658	24.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.00%
61) 1,2-Dichlorobenzene-d4	13.72	152	92737	26.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.00%

Target Compounds

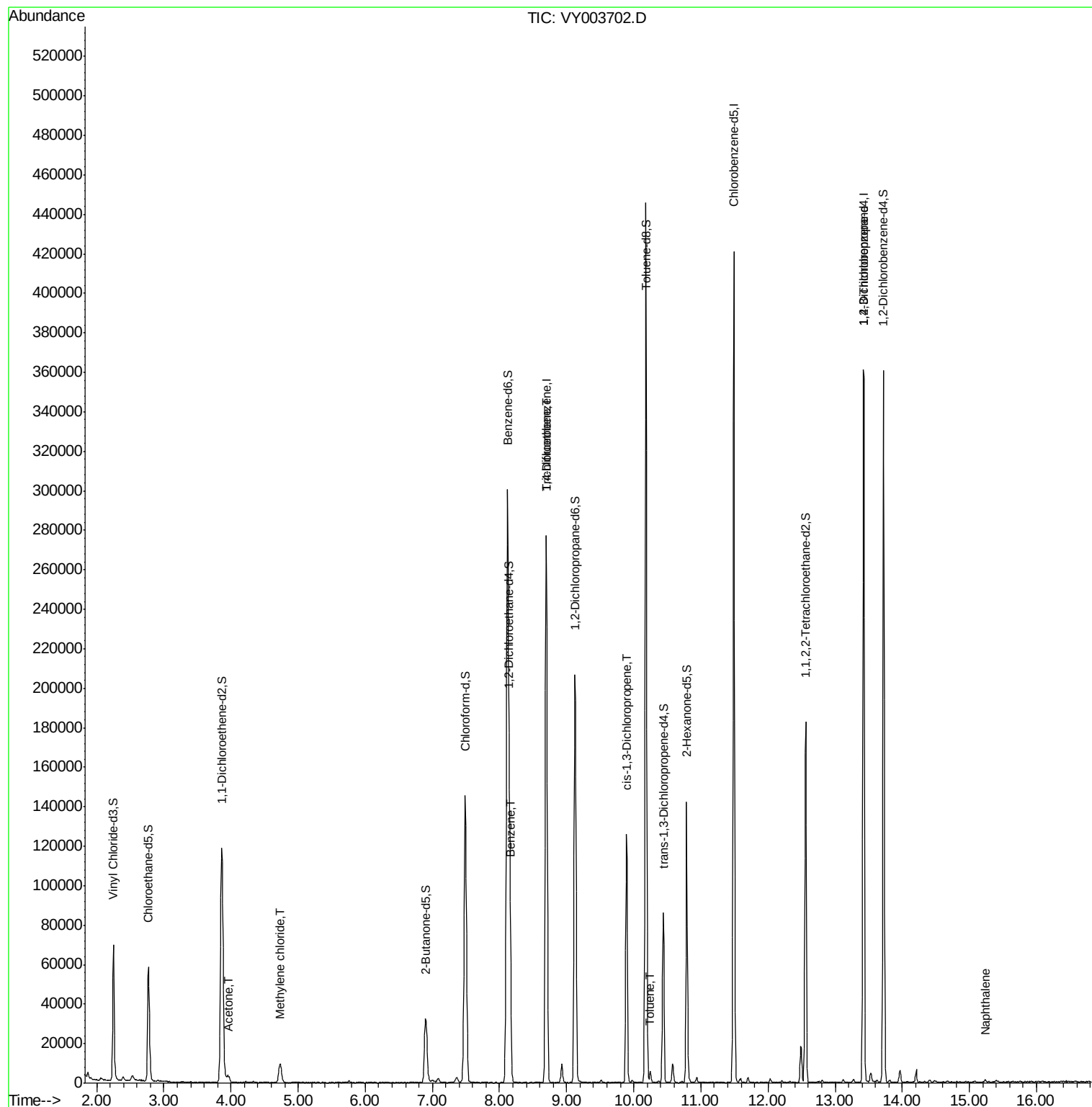
					Ovalue
13) Acetone	3.97	43	4993	5.549 ug/L	90
16) Methylene chloride	4.73	84	7096	1.660 ug/L	95
34) Benzene	8.17	78	2668	0.204 ug/L	100
35) Trichloroethene	8.69	95	6538	1.820 ug/L #	2
42) cis-1,3-Dichloropropene	9.89	75	3200	0.620 ug/L	90
44) Toluene	10.24	91	4731	0.343 ug/L #	74
59) 1,2,3-Trichloropropane	13.43	75	11721	4.322 ug/L	100
69) Naphthalene	15.24	128	1237	0.169 ug/L #	84

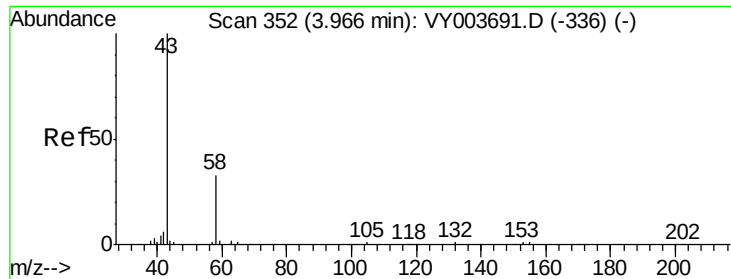
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 10 02:27:01 2020
Response via : Initial Calibration





#13

Acetone

Concen: 5.549 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.00 min

Lab File: VY003702.D

Acq: 09 Dec 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

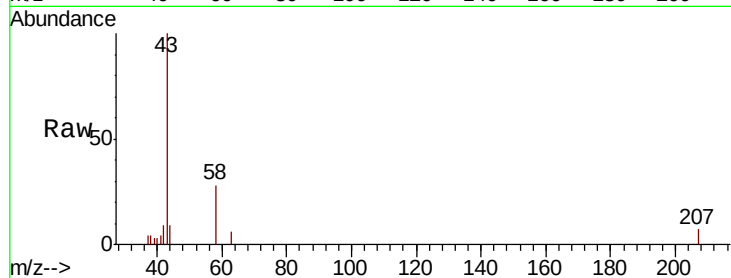
GB1F3

Tot Ion: 43 Resp: 4993

Ion Ratio Lower Upper

43 100

58 40.0 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.97

2000

1500

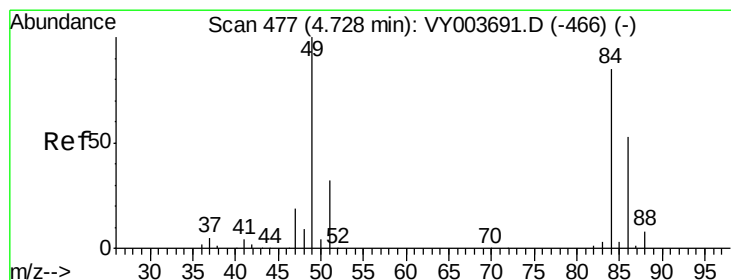
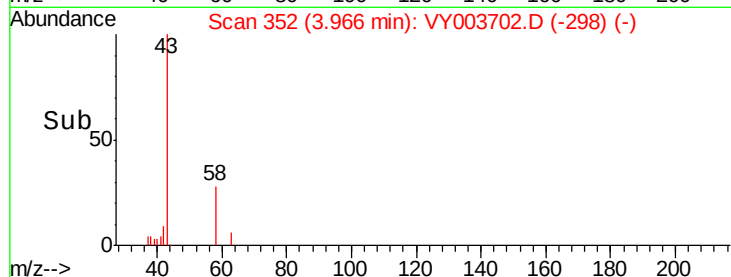
1000

500

0

3.90 3.95 4.00

Time-->



#16

Methylene chloride

Concen: 1.660 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VY003702.D

Acq: 09 Dec 2020 15:48

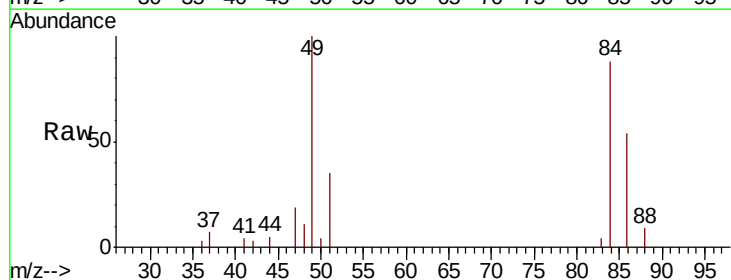
Tgt Ion: 84 Resp: 7096

Ion Ratio Lower Upper

84 100

49 113.4 83.7 155.4

86 61.8 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

4000

3000

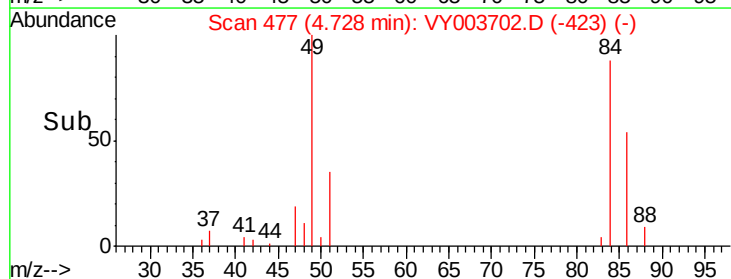
2000

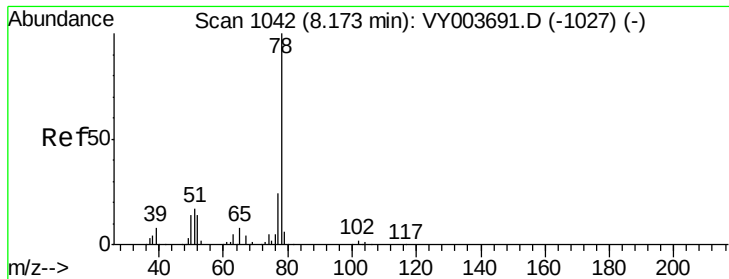
1000

0

4.65 4.70 4.75 4.80

Time-->





#34

Benzene

Concen: 0.204 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VY003702.D

Acq: 09 Dec 2020 15:48

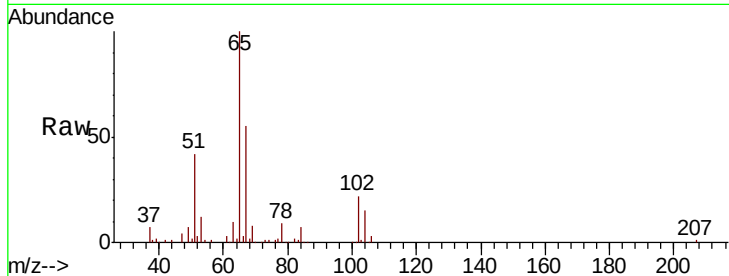
Instrument :

MSVOA_Y

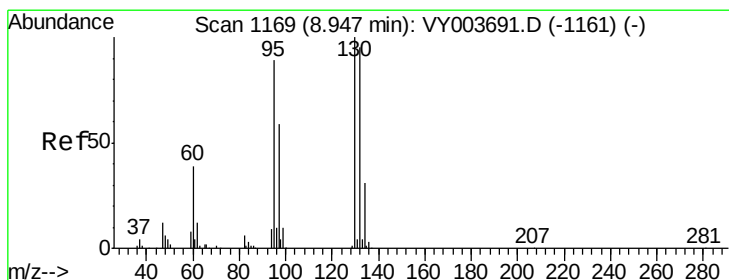
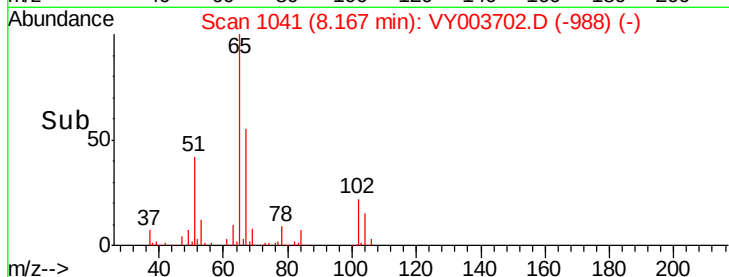
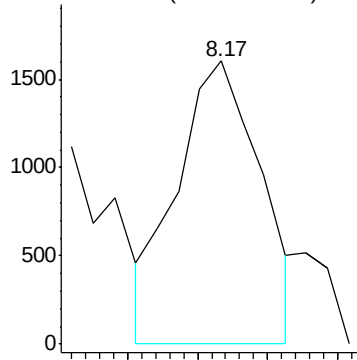
ClientSampleId :

GB1F3

Tgt Ion: 78 Resp: 2668



Abundance Ion 78.00 (77.70 to 78.70): VY0



#35

Trichloroethene

Concen: 1.820 ug/L

RT: 8.69 min Scan# 1127

Delta R.T. -0.26 min

Lab File: VY003702.D

Acq: 09 Dec 2020 15:48

Tgt Ion: 95 Resp: 6538

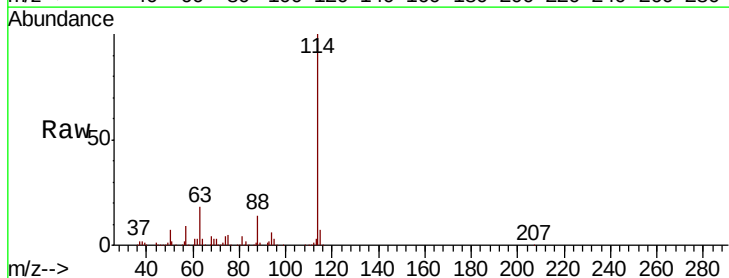
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.0#

132 0.4 74.2 137.8#

130 0.0 76.2 141.6#

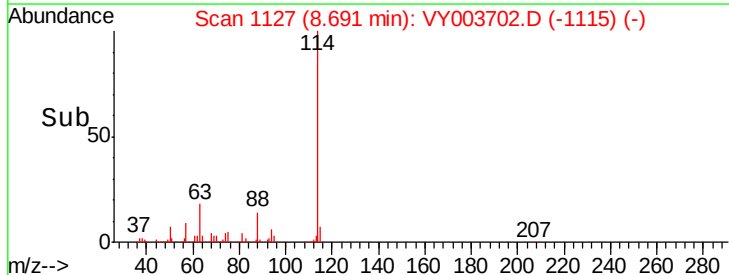
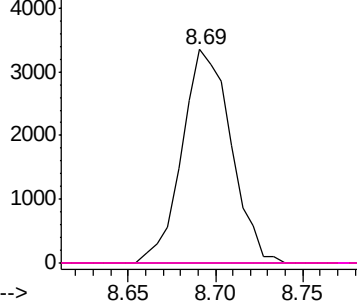


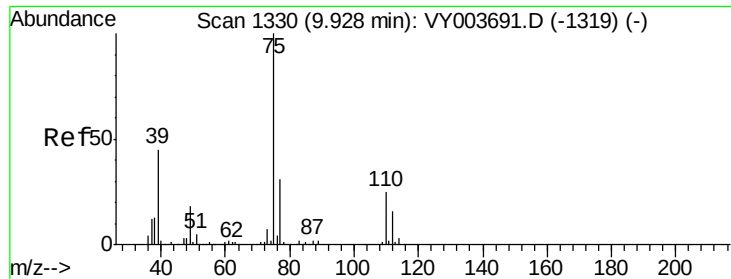
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

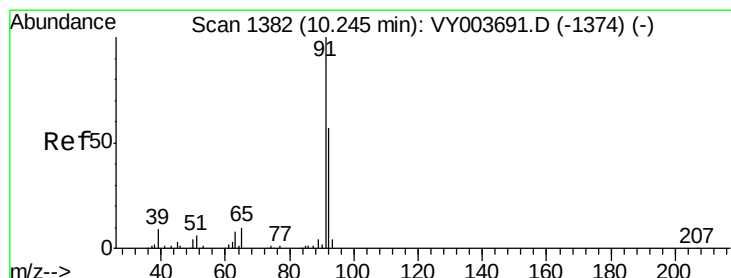
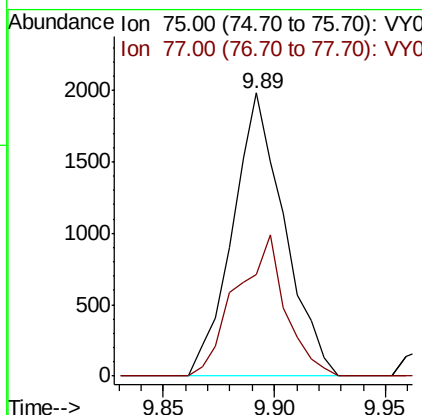
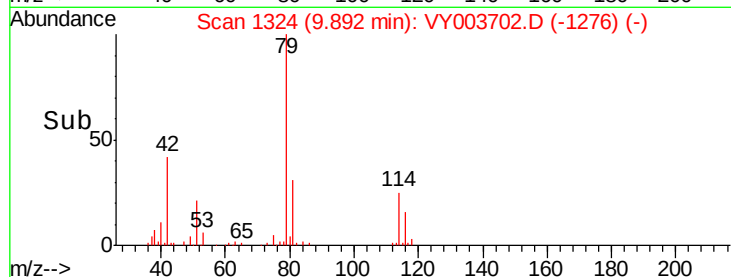
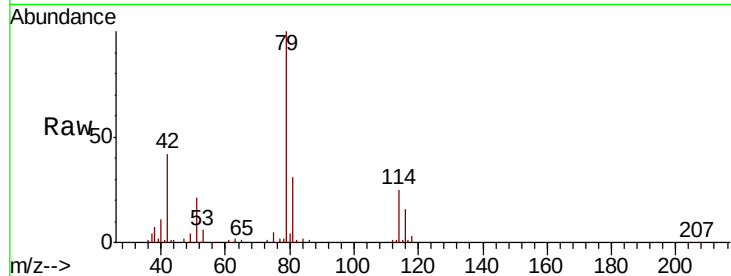




#42
 cis-1,3-Dichloropropene
 Concen: 0.620 ug/L
 RT: 9.89 min Scan# 1324
 Delta R.T. -0.04 min
 Lab File: VY003702.D
 Acq: 09 Dec 2020 15:48

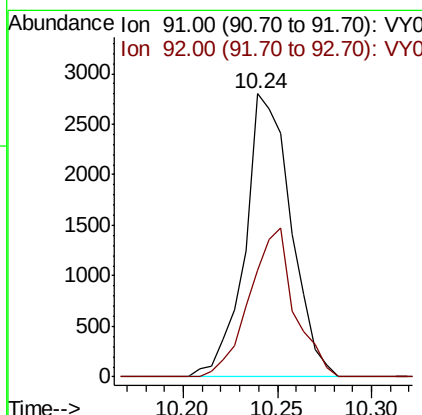
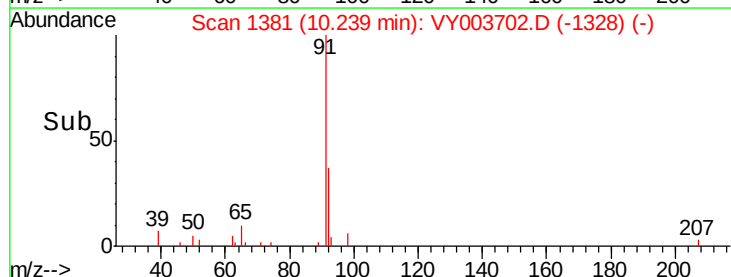
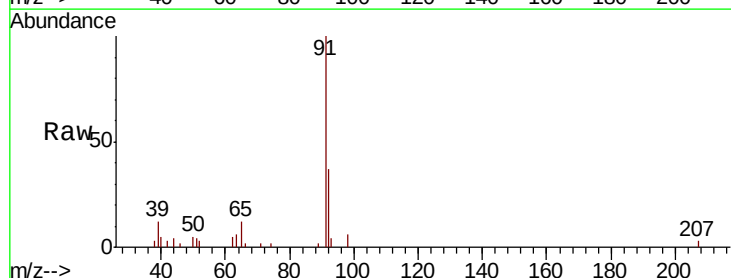
Instrument :
 MSVOA_Y
 ClientSampled :
 GB1F3

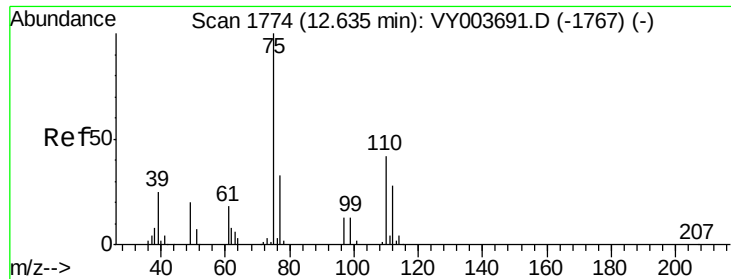
Tot Ion: 75 Resp: 3200
 Ion Ratio Lower Upper
 75 100
 77 35.9 21.3 39.6



#44
 Toluene
 Concen: 0.343 ug/L
 RT: 10.24 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VY003702.D
 Acq: 09 Dec 2020 15:48

Tgt Ion: 91 Resp: 4731
 Ion Ratio Lower Upper
 91 100
 92 37.5 39.8 73.8#





#59

1,2,3-Trichloropropane

Concen: 4.322 ug/L

RT: 13.43 min Scan# 1904

Delta R.T. 0.79 min

Lab File: VY003702.D

Acq: 09 Dec 2020 15:48

Instrument :

MSVOA_Y

ClientSampleId :

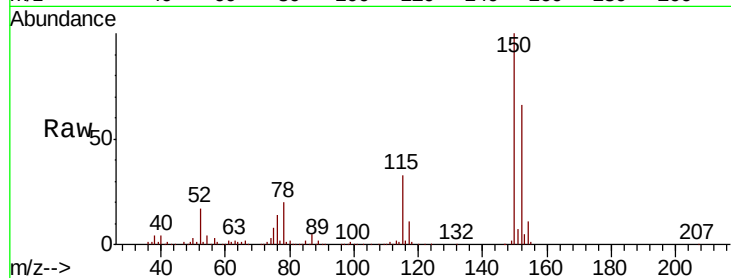
GB1F3

Tot Ion: 75 Resp: 11721

Ion Ratio Lower Upper

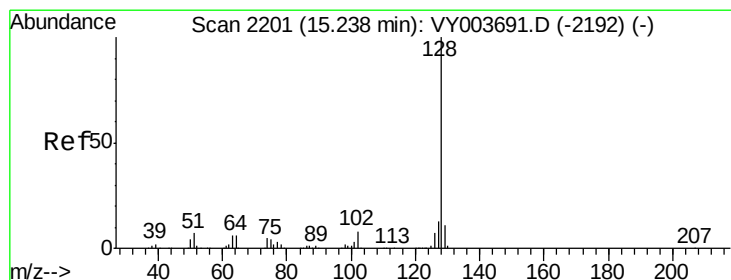
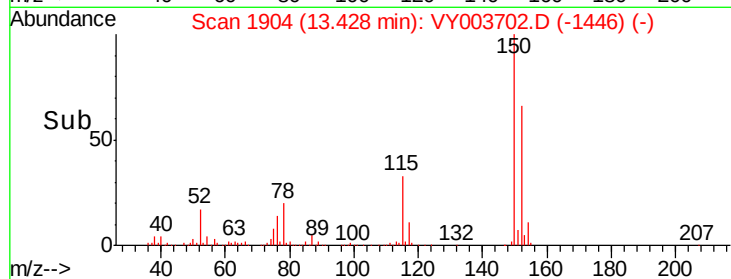
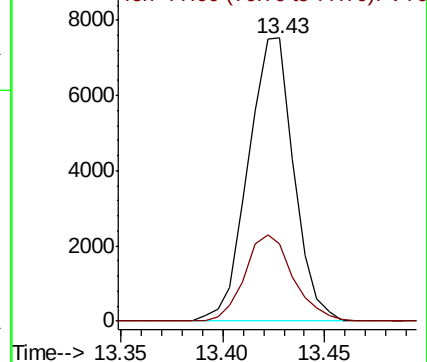
75 100

77 32.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#69

Naphthalene

Concen: 0.169 ug/L

RT: 15.24 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VY003702.D

Acq: 09 Dec 2020 15:48

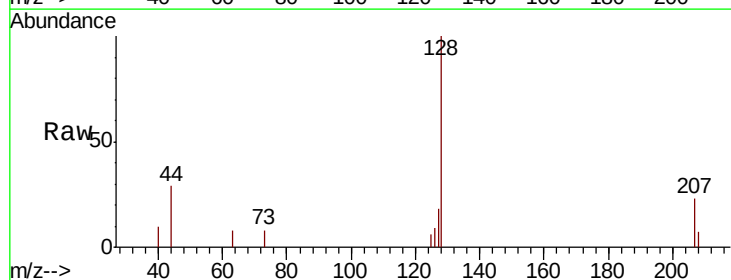
Tgt Ion: 128 Resp: 1237

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 10.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

