

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111119\
 Data File : VY000640.D
 Acq On : 11 Nov 2019 14:44
 Operator : SY/MD
 Sample : K4649-03MSD
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 12 04:52:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 12 04:50:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	365410	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	330826	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	154480	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	138496	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.52%
7) Chloroethane-d5	2.76	69	123204	25.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	3.85	63	255476	26.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.80%
21) 2-Butanone-d5	6.90	46	107038	43.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.58%
24) Chloroform-d	7.49	84	237494	24.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.76%
26) 1,2-Dichloroethane-d4	8.15	65	141640	24.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.56%
32) Benzene-d6	8.12	84	512903	26.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.24%
36) 1,2-Dichloropropane-d6	9.13	67	156216	26.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.16%
41) Toluene-d8	10.18	98	464721	26.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.52%
43) trans-1,3-Dichloropropene-	10.44	79	72493	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.56%
47) 2-Hexanone-d5	10.79	63	83540	45.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.56%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	138686	21.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.88%
66) 1,2-Dichlorobenzene-d4	13.72	152	163931	27.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.68%

Target Compounds

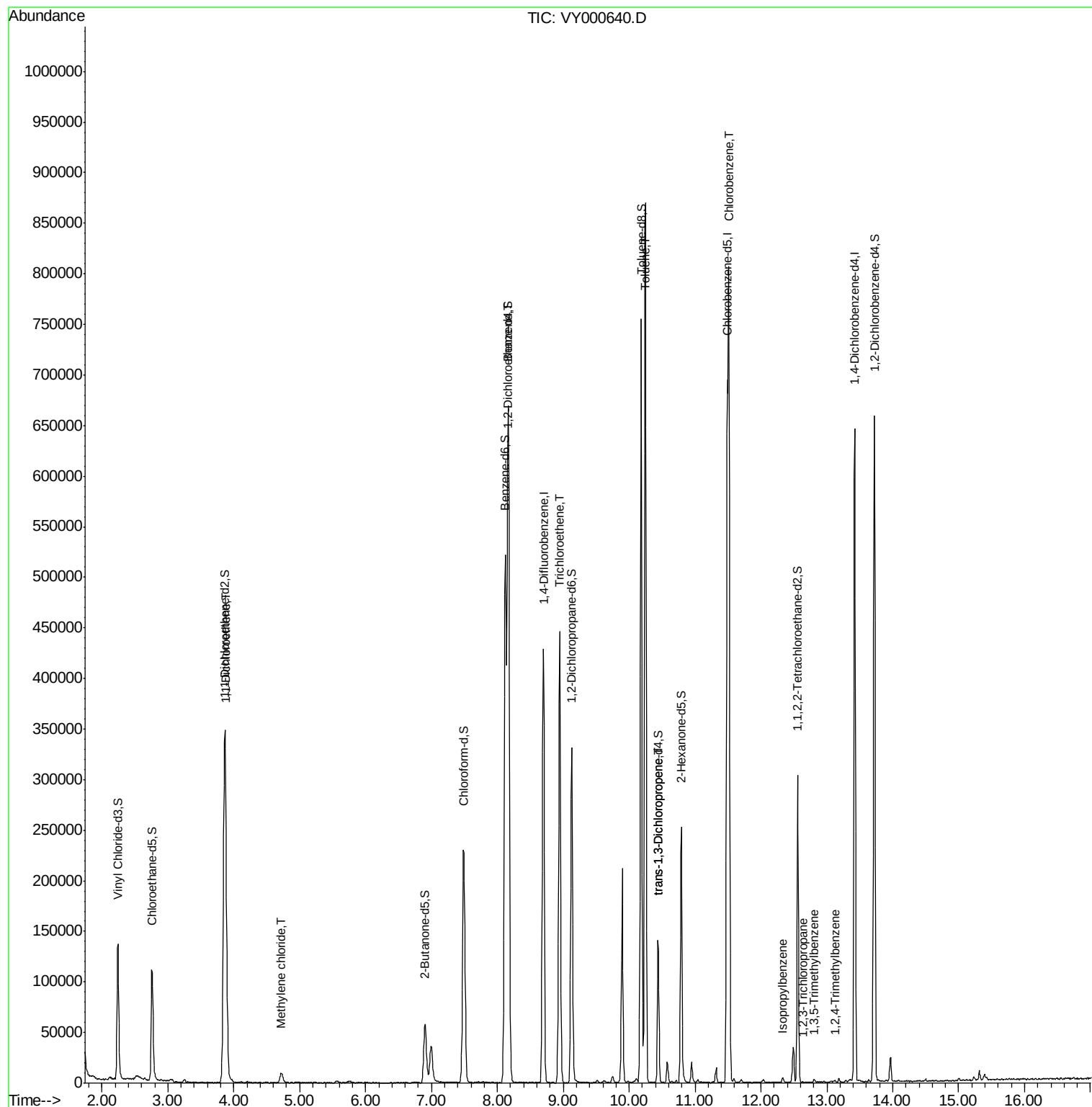
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.88	96	125810	25.920	ug/L	98
16) Methylene chloride	4.71	84	6022	1.011	ug/L	77
33) Benzene	8.17	78	574450	26.439	ug/L	100
34) Trichloroethene	8.94	95	142755	24.896	ug/L	97
42) Toluene	10.25	91	620647	26.748	ug/L	100
44) trans-1,3-Dichloropropene	10.44	75	3948	0.503	ug/L	89
51) Chlorobenzene	11.52	112	387795	26.165	ug/L	99
60) Isopropylbenzene	12.32	105	1262	0.051	ug/L #	59
61) 1,2,3-Trichloropropane	12.64	75	203	0.042	ug/L #	51
62) 1,3,5-Trimethylbenzene	12.81	105	1173	0.058	ug/L #	80
63) 1,2,4-Trimethylbenzene	13.12	105	1120	0.056	ug/L	92

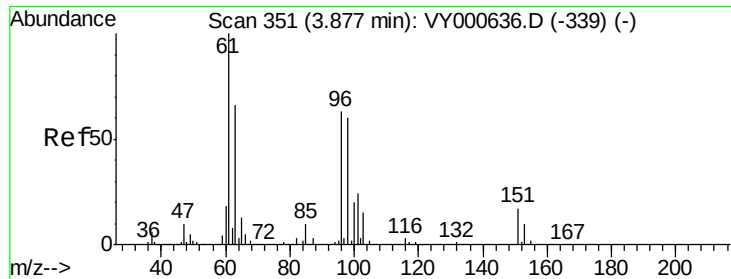
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 04:50:16 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 25.920 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000640.D

Acq: 11 Nov 2019 14:44

Instrument :
MSVOA_Y
ClientSampled :

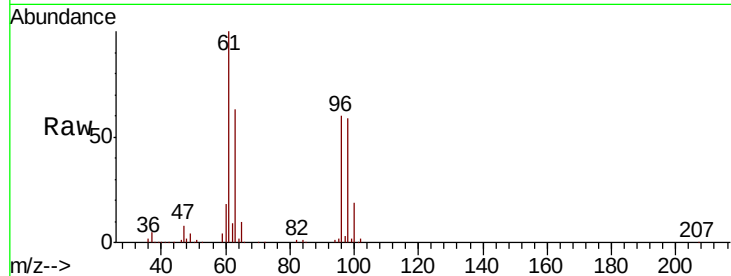
Tot Ion: 96 Resp: 125810

Ion Ratio Lower Upper

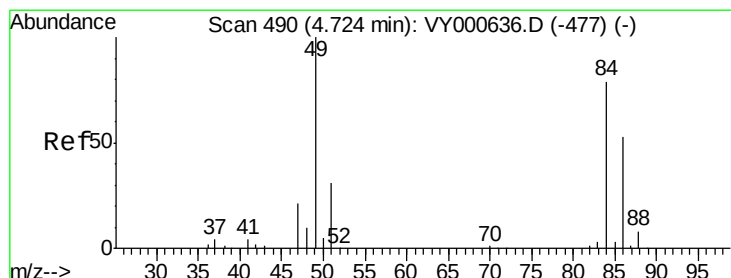
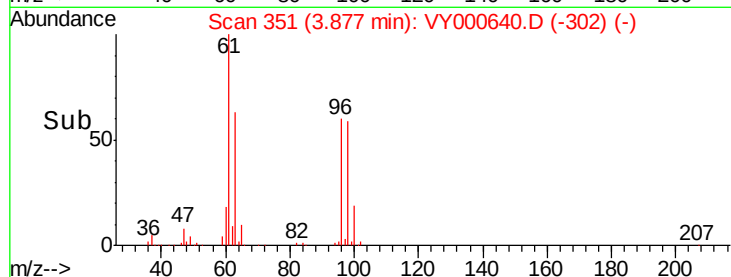
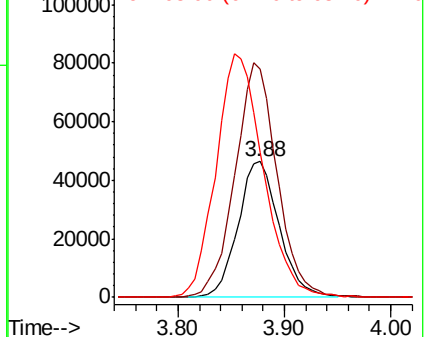
96 100

61 168.0 118.6 220.2

63 106.5 77.8 144.6



Abundance Ion 96.00 (95.70 to 96.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 63.00 (62.70 to 63.70): VY0



#16

Methylene chloride

Concen: 1.011 ug/L

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000640.D

Acq: 11 Nov 2019 14:44

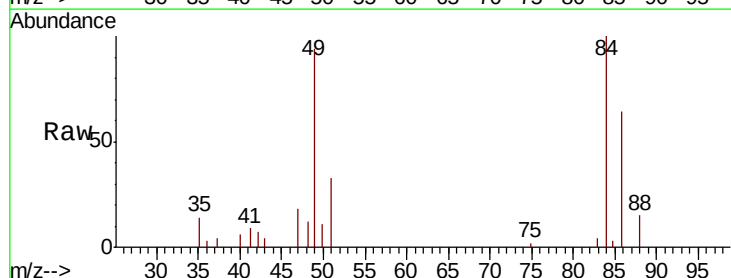
Tgt Ion: 84 Resp: 6022

Ion Ratio Lower Upper

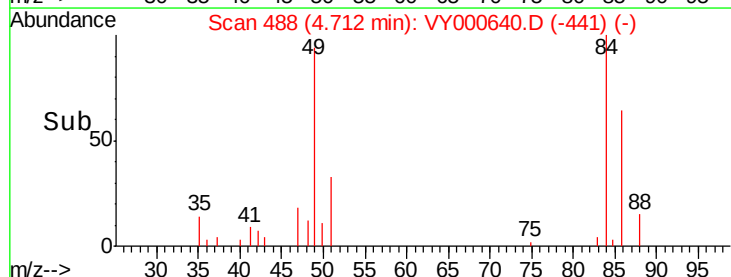
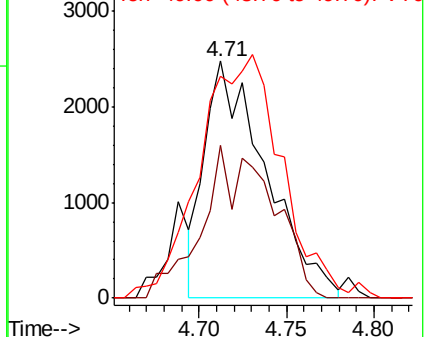
84 100

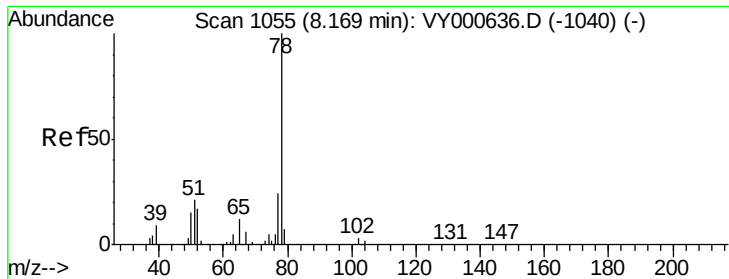
86 64.4 43.4 80.6

49 93.8 92.3 171.3



Abundance Ion 84.00 (83.70 to 84.70): VY0
Ion 86.00 (85.70 to 86.70): VY0
Ion 49.00 (48.70 to 49.70): VY0





#33

Benzene

Concen: 26.439 ug/L

RT: 8.17 min Scan# 1055

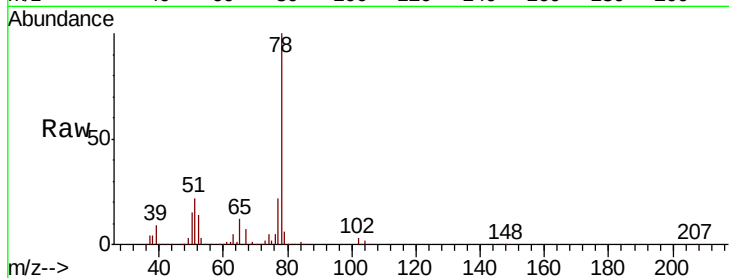
Delta R.T. 0.00 min

Lab File: VY000640.D

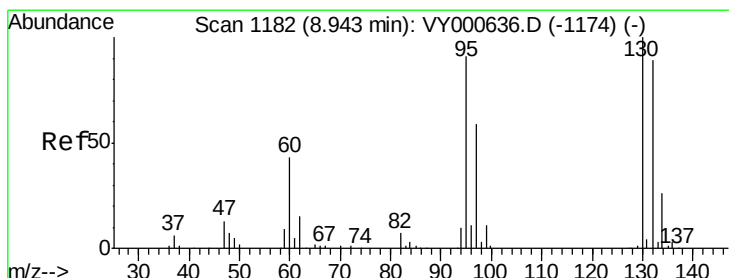
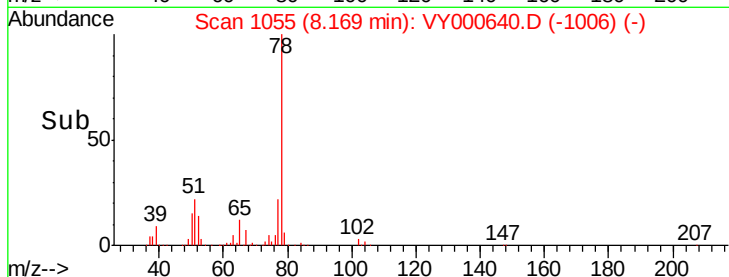
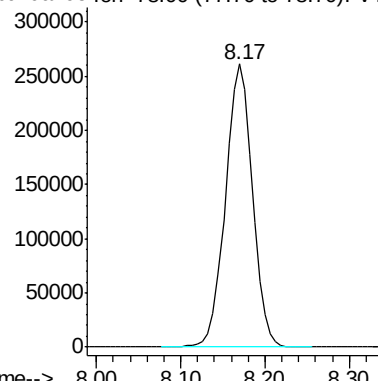
Acq: 11 Nov 2019 14:44

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 78 Resp: 574450



Abundance Ion 78.00 (77.70 to 78.70): VY0



#34

Trichloroethene

Concen: 24.896 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY000640.D

Acq: 11 Nov 2019 14:44

Tgt Ion: 95 Resp: 142755

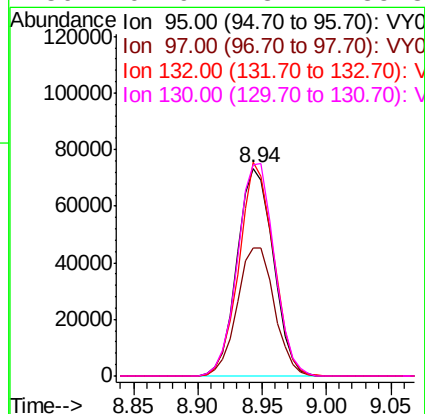
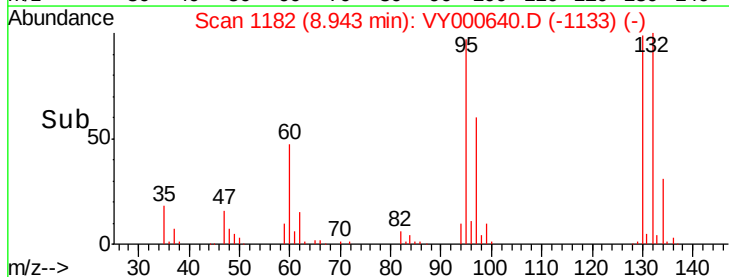
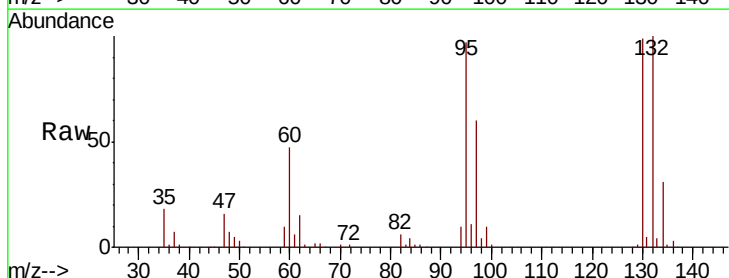
Ion	Ratio	Lower	Upper
95	100		
97	61.6	41.4	76.8
132	102.9	69.7	129.4
130	101.9	73.1	135.8

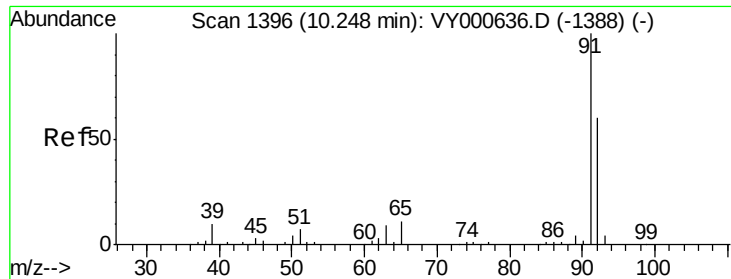
Abundance Ion 95.00 (94.70 to 95.70): VY0

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

Toluene

Concen: 26.748 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000640.D

Acq: 11 Nov 2019 14:44

Instrument :

MSVOA_Y

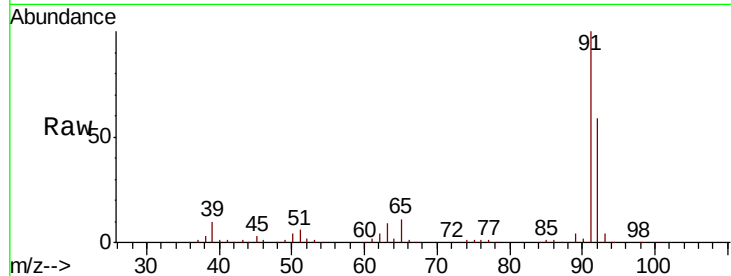
ClientSampled :

Tot Ion: 91 Resp: 620647

Ion Ratio Lower Upper

91 100

92 58.6 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

10.25

400000

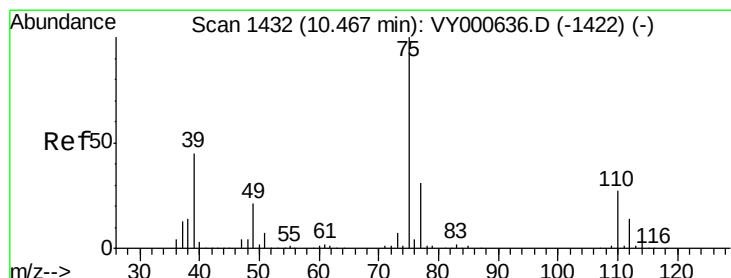
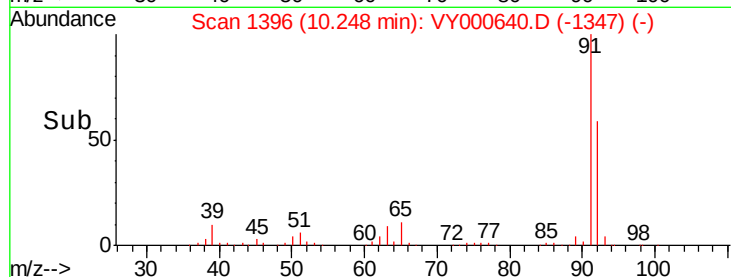
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.503 ug/L

RT: 10.44 min Scan# 1427

Delta R.T. -0.03 min

Lab File: VY000640.D

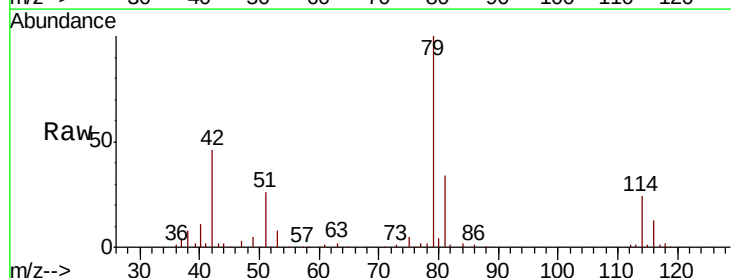
Acq: 11 Nov 2019 14:44

Tgt Ion: 75 Resp: 3948

Ion Ratio Lower Upper

75 100

77 38.8 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

2500

2000

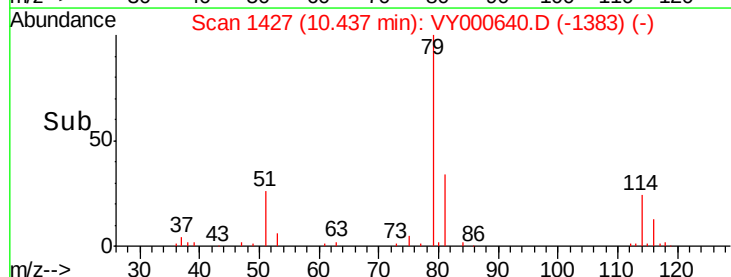
1500

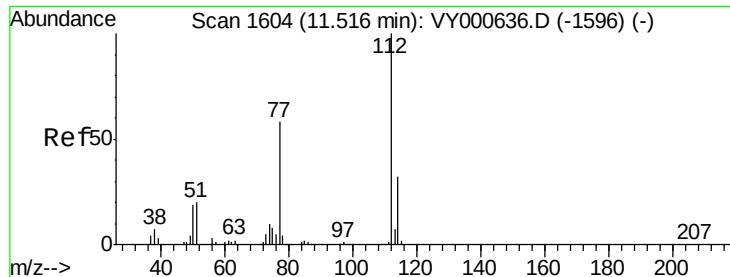
1000

500

0

Time-->

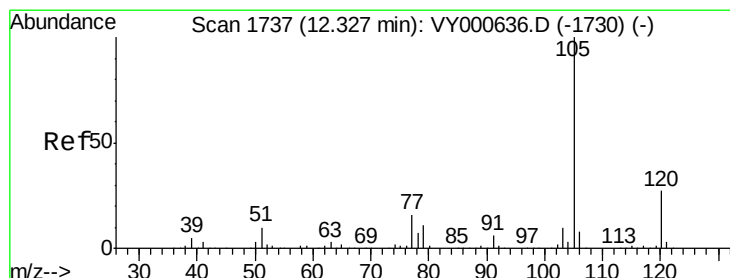
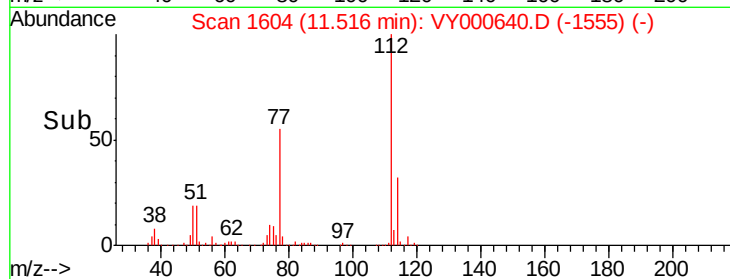
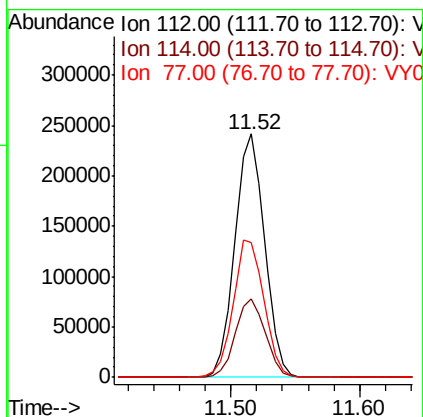
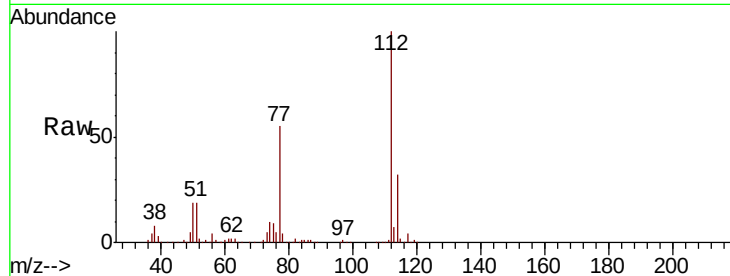




#51
Chlorobenzene
Concen: 26.165 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000640.D
Acq: 11 Nov 2019 14:44

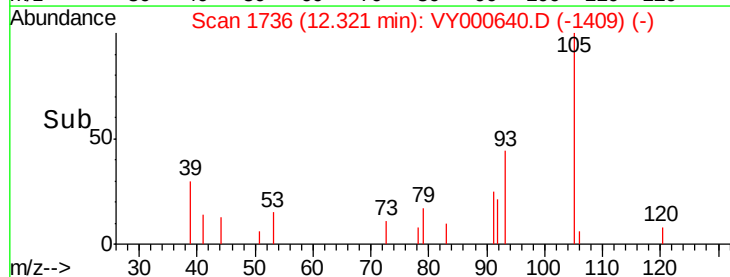
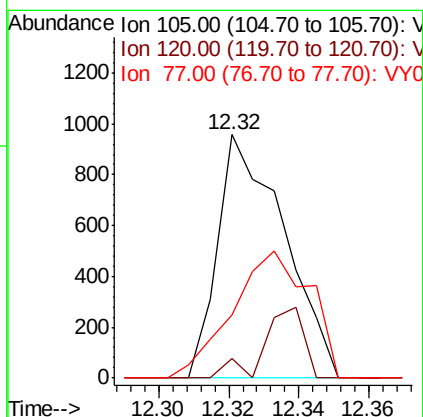
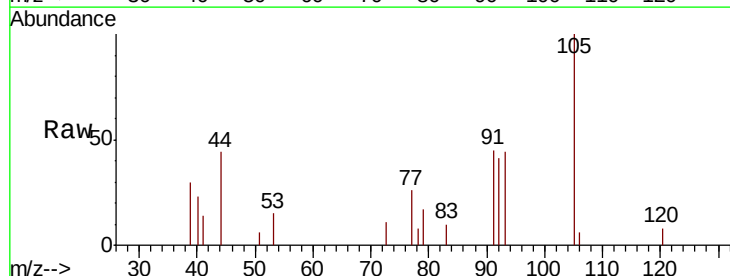
Instrument :
MSVOA_Y
ClientSampleId :

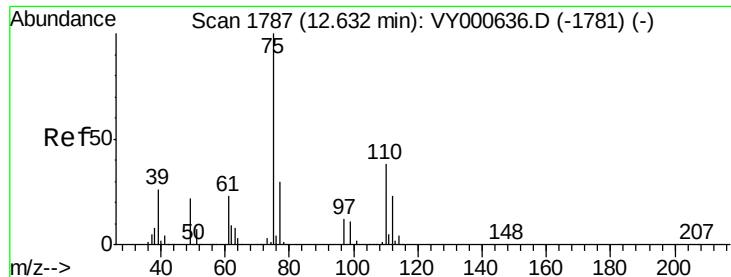
Tot Ion:112 Resp: 387795
Ion Ratio Lower Upper
112 100
114 32.3 22.1 41.1
77 55.5 45.3 67.9



#60
Isopropylbenzene
Concen: 0.051 ug/L
RT: 12.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VY000640.D
Acq: 11 Nov 2019 14:44

Tgt Ion:105 Resp: 1262
Ion Ratio Lower Upper
105 100
120 2.1 21.8 32.8#
77 4.0 12.6 19.0#

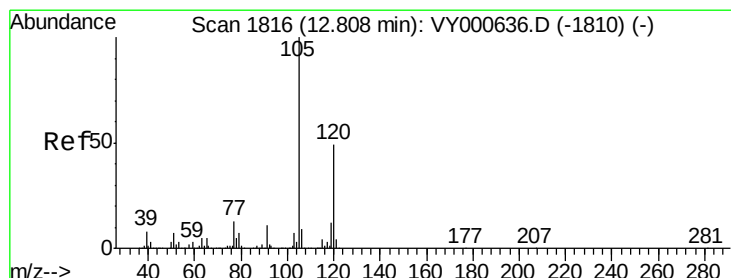
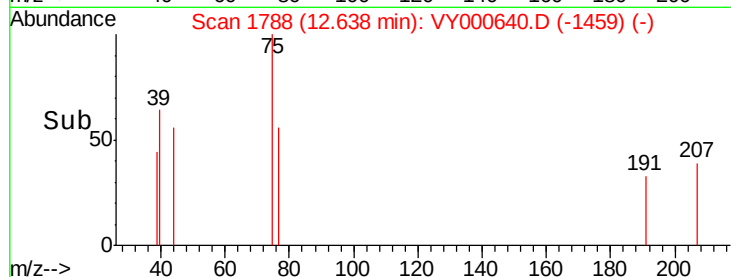
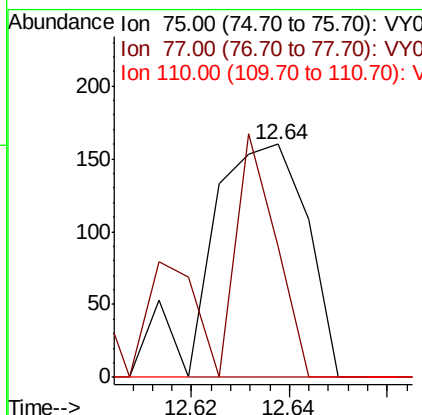
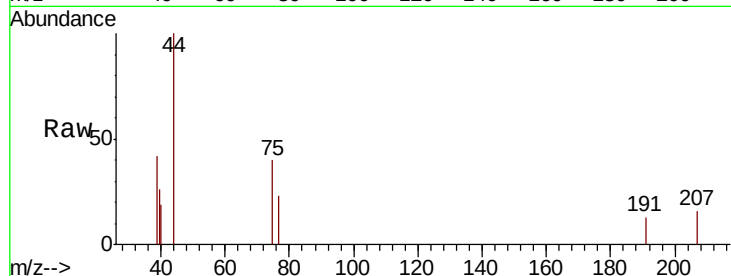




#61
 1,2,3-Trichloropropane
 Concen: 0.042 ug/L
 RT: 12.64 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: VY000640.D
 Acq: 11 Nov 2019 14:44

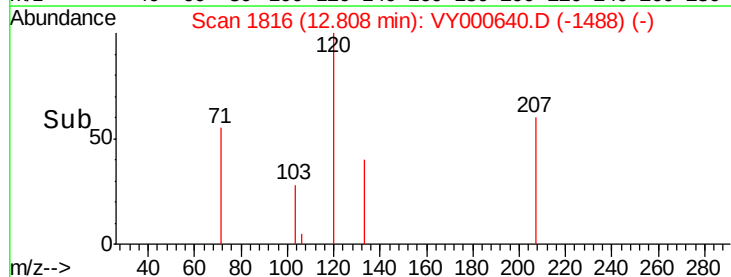
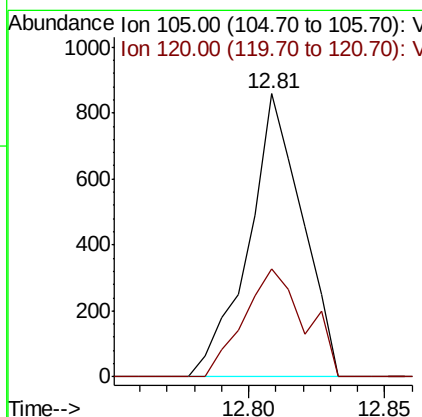
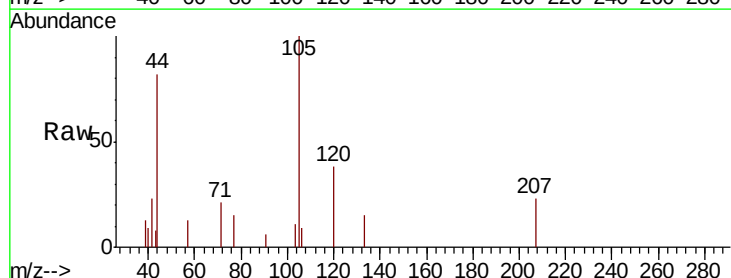
Instrument :
 MSVOA_Y
 ClientSampled :

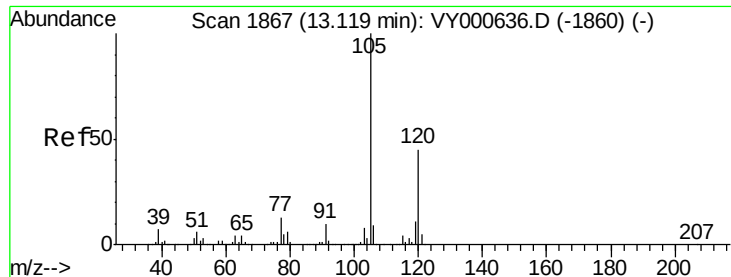
Tot Ion: 75 Resp: 203
 Ion Ratio Lower Upper
 75 100
 77 46.3 25.4 38.0#
 110 0.0 33.0 49.4#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.058 ug/L
 RT: 12.81 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: VY000640.D
 Acq: 11 Nov 2019 14:44

Tgt Ion: 105 Resp: 1173
 Ion Ratio Lower Upper
 105 100
 120 43.5 25.9 38.9#





#63
 1,2,4-Trimethylbenzene
 Concen: 0.056 ug/L
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY000640.D
 Acq: 11 Nov 2019 14:44

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:105 Resp: 1120
 Ion Ratio Lower Upper
 105 100
 120 55.9 40.3 60.5

