

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121319\
 Data File : VY000940.D
 Acq On : 13 Dec 2019 11:53
 Operator : SY/MD
 Sample : K4649-02MS
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 14 05:57:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 12 09:49:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	456266	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	413329	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	194513	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	127029	18.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.08%
7) Chloroethane-d5	2.75	69	124080	20.49	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.96%
11) 1,1-Dichloroethene-d2	3.86	63	617902	51.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	204.92%#
21) 2-Butanone-d5	6.90	46	174820	57.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.56%
24) Chloroform-d	7.49	84	270632	22.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.04%
26) 1,2-Dichloroethane-d4	8.15	65	158215	22.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.16%
32) Benzene-d6	8.11	84	599536	25.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.32%
36) 1,2-Dichloropropane-d6	9.12	67	196661	27.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.00%
41) Toluene-d8	10.17	98	536014	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.48%
43) trans-1,3-Dichloropropene-	10.44	79	85590	23.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.12%
47) 2-Hexanone-d5	10.78	63	139505	61.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.38%
56) 1,1,2,2-Tetrachloroethane-	12.55	84	197097	24.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.96%
66) 1,2-Dichlorobenzene-d4	13.72	152	183290	24.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.52%

Target Compounds

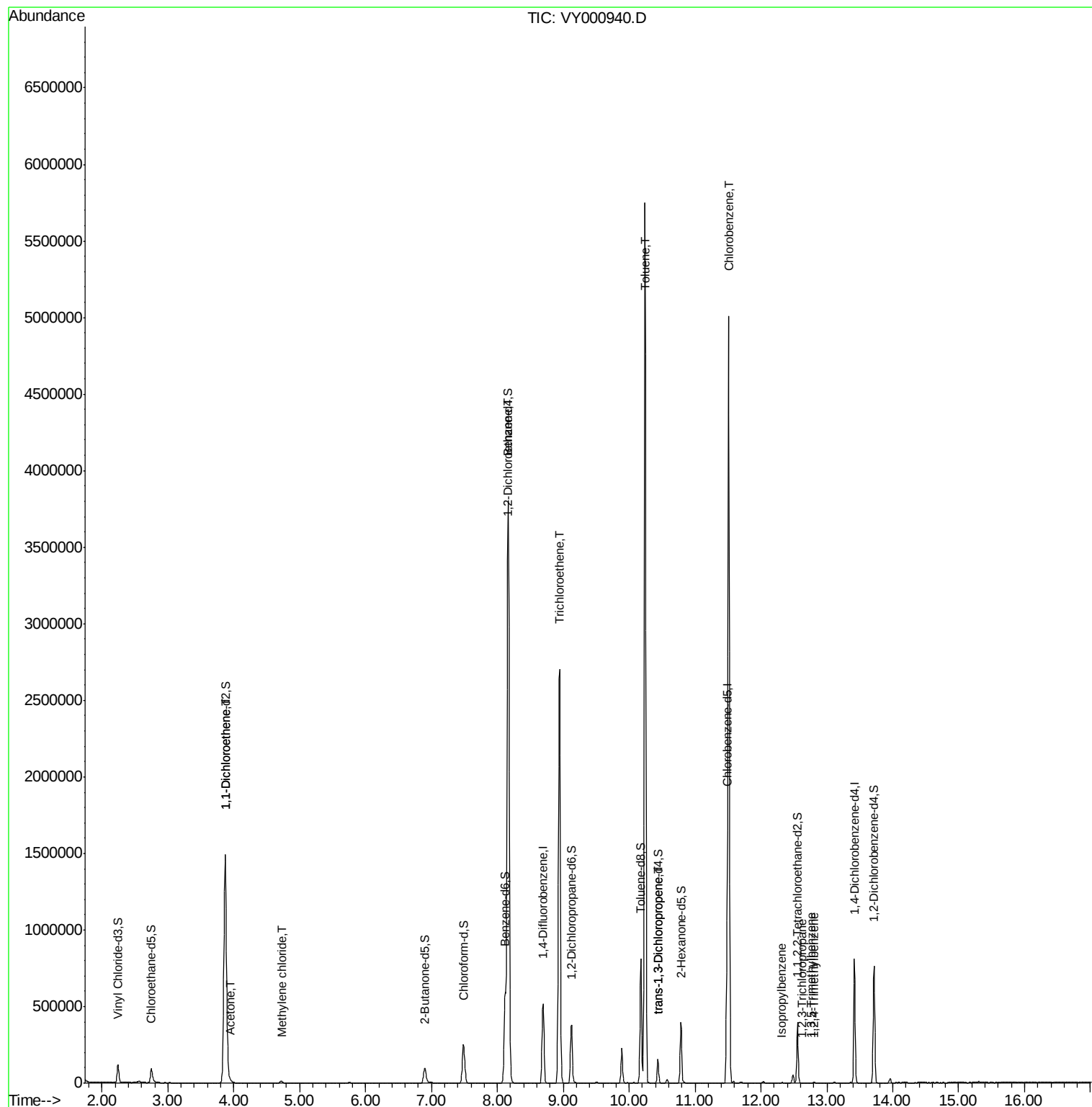
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.87	96	822326	135.684	ug/L #	75
13) Acetone	3.96	43	7125	2.447	ug/L	92
16) Methylene chloride	4.73	84	2657	0.357	ug/L	90
33) Benzene	8.17	78	3927246	144.670	ug/L	100
34) Trichloroethene	8.94	95	944333	131.818	ug/L	96
42) Toluene	10.24	91	4126844	142.354	ug/L	100
44) trans-1,3-Dichloropropene	10.44	75	4178	0.426	ug/L #	78
51) Chlorobenzene	11.51	112	2614457	141.191	ug/L	98
60) Isopropylbenzene	12.33	105	1816	0.059	ug/L #	83
61) 1,2,3-Trichloropropane	12.63	75	371	0.060	ug/L #	31
62) 1,3,5-Trimethylbenzene	12.77	105	213	0.008	ug/L	91
63) 1,2,4-Trimethylbenzene	12.80	105	2056	0.082	ug/L	93

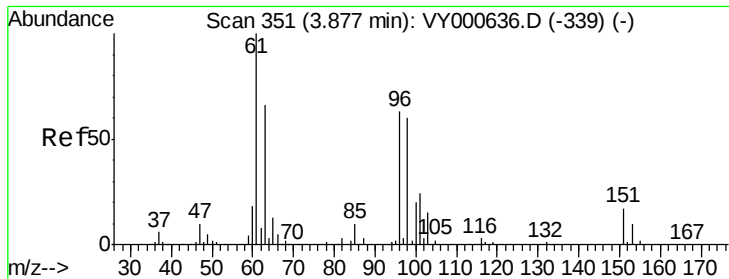
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Nov 12 09:49:35 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 135.684 ug/L

RT: 3.87 min Scan# 350

Delta R.T. -0.01 min

Lab File: VY000940.D

Acq: 13 Dec 2019 11:53

Instrument :

MSVOA_Y

ClientSampled :

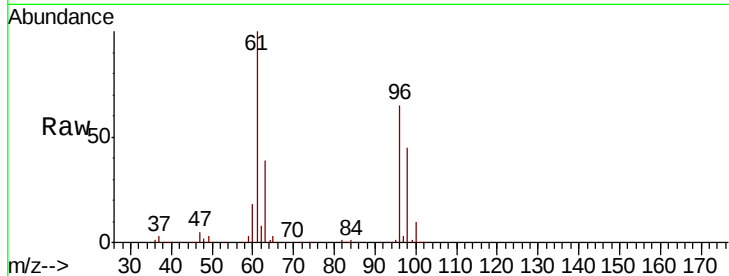
Tot Ion: 96 Resp: 822326

Ion Ratio Lower Upper

96 100

61 154.5 118.6 220.2

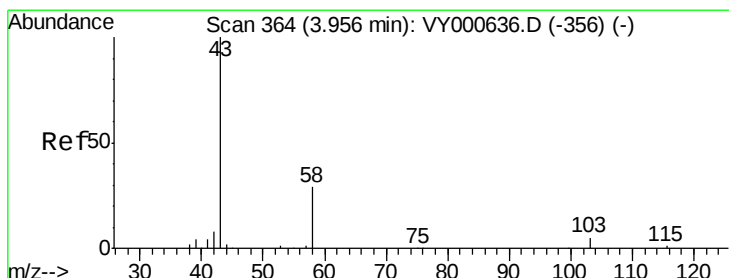
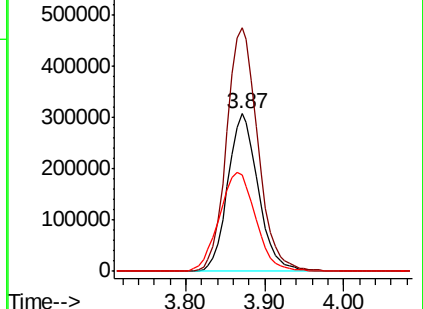
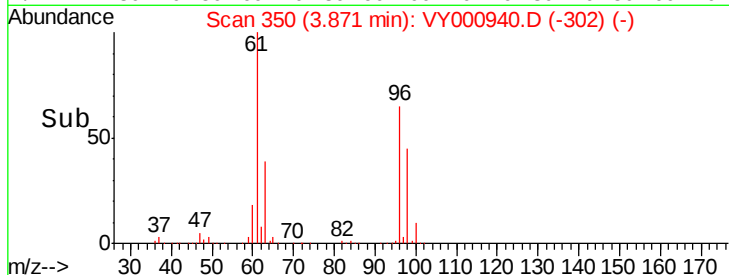
63 60.9 77.8 144.6#



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



#13

Acetone

Concen: 2.447 ug/L

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000940.D

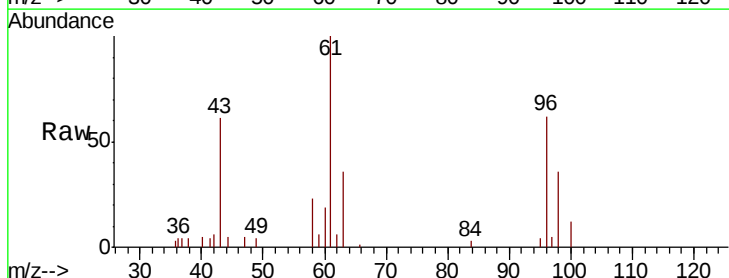
Acq: 13 Dec 2019 11:53

Tgt Ion: 43 Resp: 7125

Ion Ratio Lower Upper

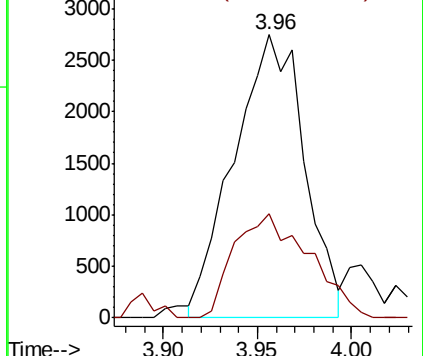
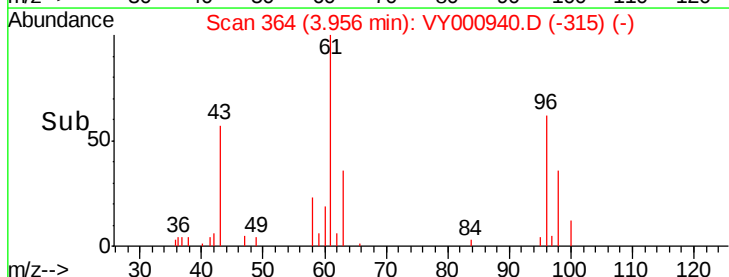
43 100

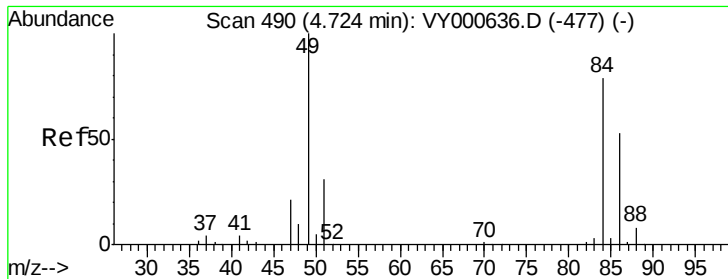
58 39.2 0.0 69.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

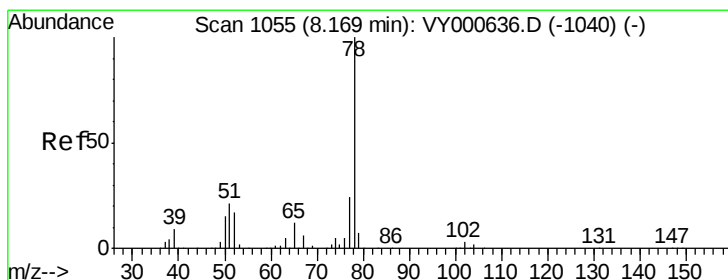
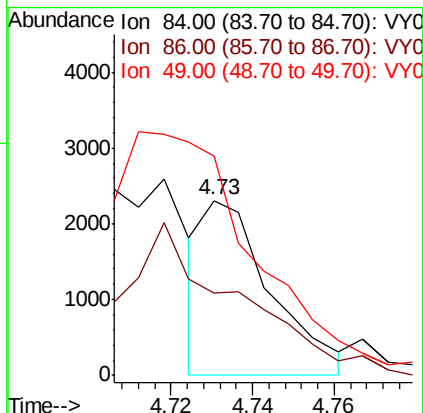
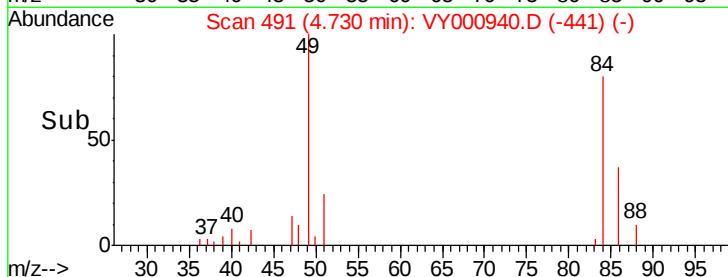
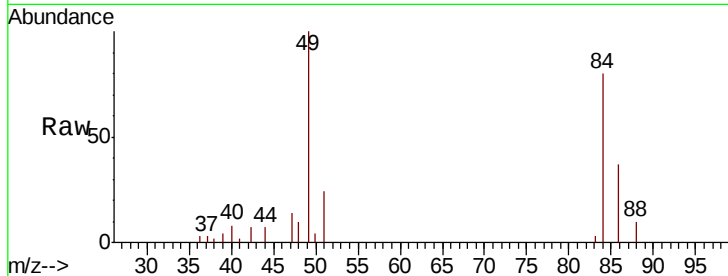




#16
Methvlene chloride
Concen: 0.357 ug/L
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000940.D
Acq: 13 Dec 2019 11:53

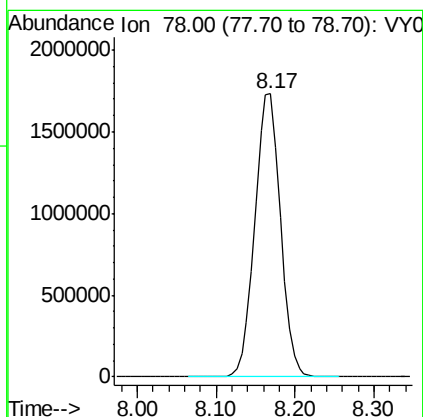
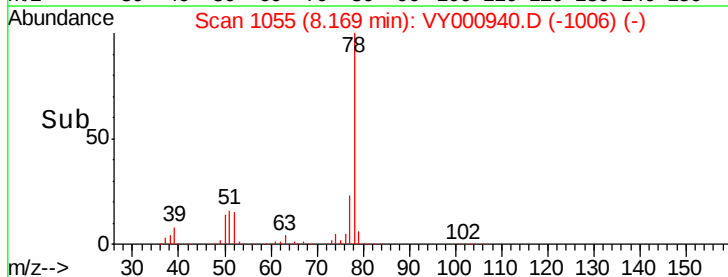
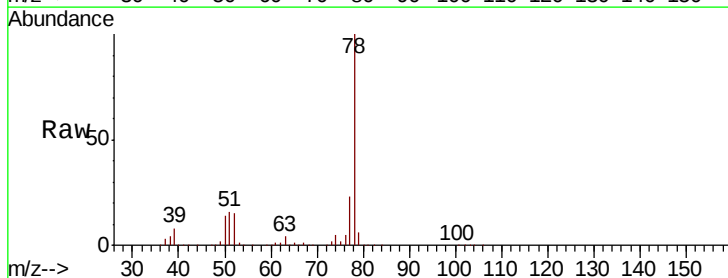
Instrument :
MSVOA_Y
ClientSampleId :

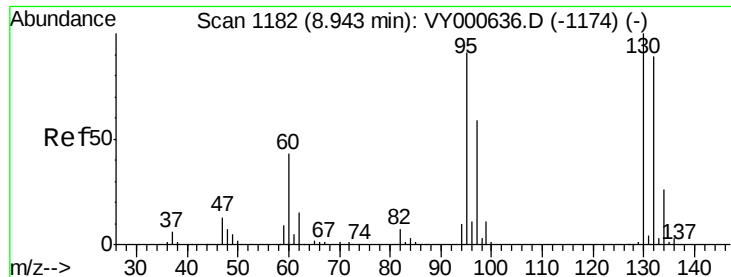
Tot Ion: 84 Resp: 2657
Ion Ratio Lower Upper
84 100
86 46.9 43.4 80.6
49 125.4 92.3 171.3



#33
Benzene
Concen: 144.670 ug/L
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000940.D
Acq: 13 Dec 2019 11:53

Tgt Ion: 78 Resp: 3927246

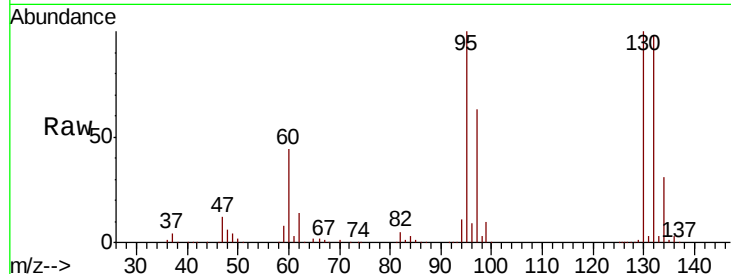




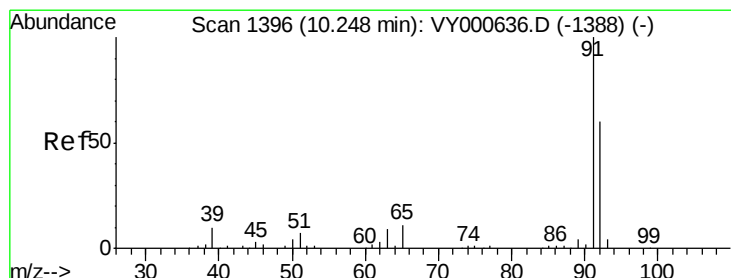
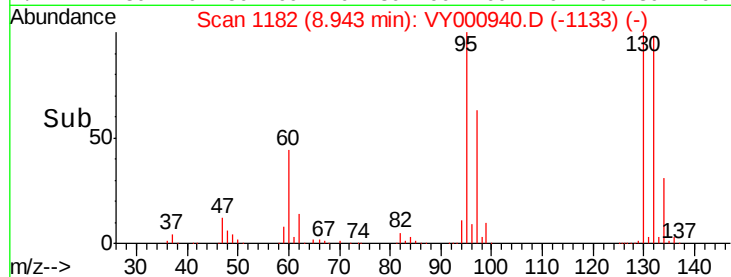
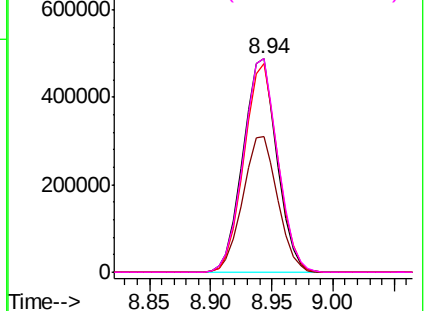
#34
 Trichloroethene
 Concen: 131.818 ug/L
 RT: 8.94 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VY000940.D
 Acq: 13 Dec 2019 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 95 Resp: 944333
 Ion Ratio Lower Upper
 95 100
 97 63.4 41.4 76.8
 132 97.5 69.7 129.4
 130 99.8 73.1 135.8

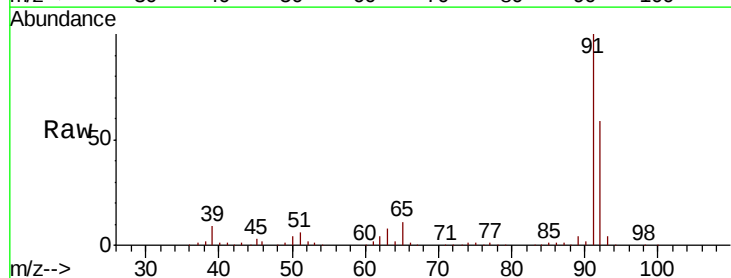


Abundance Ion 95.00 (94.70 to 95.70): VY0
 Ion 97.00 (96.70 to 97.70): VY0
 Ion 132.00 (131.70 to 132.70): VY0
 Ion 130.00 (129.70 to 130.70): VY0

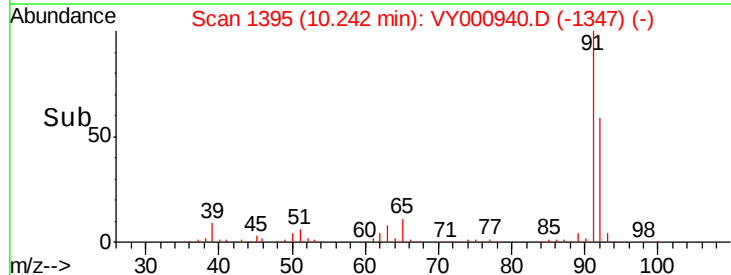
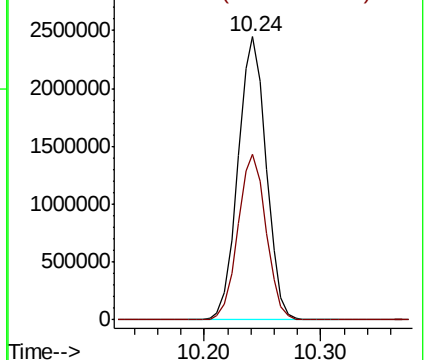


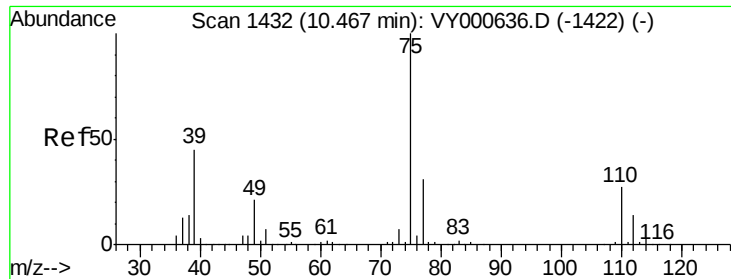
#42
 Toluene
 Concen: 142.354 ug/L
 RT: 10.24 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: VY000940.D
 Acq: 13 Dec 2019 11:53

Tgt Ion: 91 Resp: 4126844
 Ion Ratio Lower Upper
 91 100
 92 58.7 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VY0
 Ion 92.00 (91.70 to 92.70): VY0





#44

trans-1,3-Dichloropropene

Concen: 0.426 ug/L

RT: 10.44 min Scan# 1427

Delta R.T. -0.03 min

Lab File: VY000940.D

Acq: 13 Dec 2019 11:53

Instrument :

MSVOA_Y

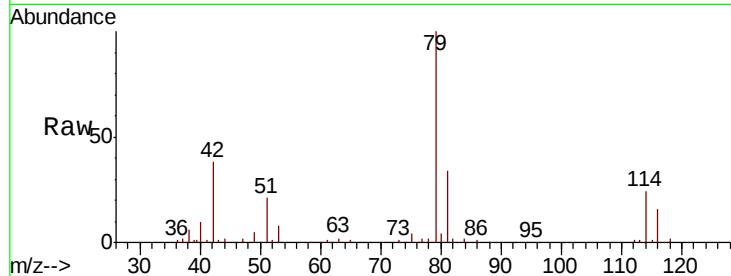
ClientSampleId :

Tot Ion: 75 Resp: 4178

Ion Ratio Lower Upper

75 100

77 44.5 22.7 42.1#



Abundance Ion 75.00 (74.70 to 75.70): VY000636.D (-1422) (-)

Ion 77.00 (76.70 to 77.70): VY000636.D (-1422) (-)

10.44

2500

2000

1500

1000

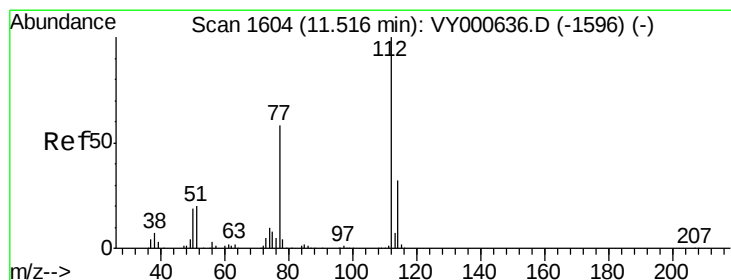
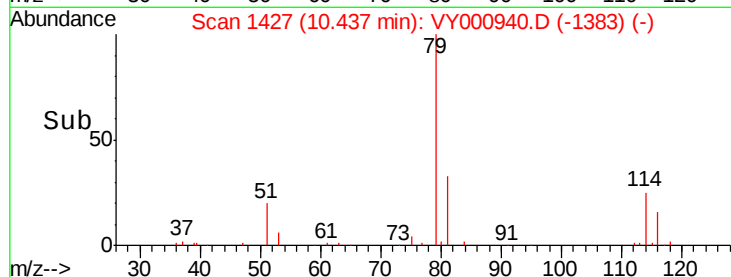
500

0

10.40

10.45

Time-->



#51

Chlorobenzene

Concen: 141.191 ug/L

RT: 11.51 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VY000940.D

Acq: 13 Dec 2019 11:53

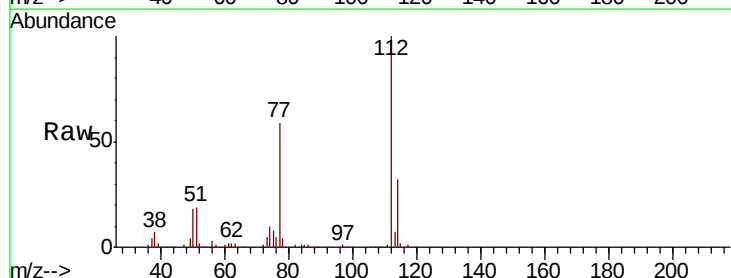
Tgt Ion: 112 Resp: 2614457

Ion Ratio Lower Upper

112 100

114 31.8 22.1 41.1

77 58.7 45.3 67.9



Abundance Ion 112.00 (111.70 to 112.70): VY000636.D (-1596) (-)

Ion 114.00 (113.70 to 114.70): VY000636.D (-1596) (-)

Ion 77.00 (76.70 to 77.70): VY000636.D (-1596) (-)

2000000

1500000

1000000

500000

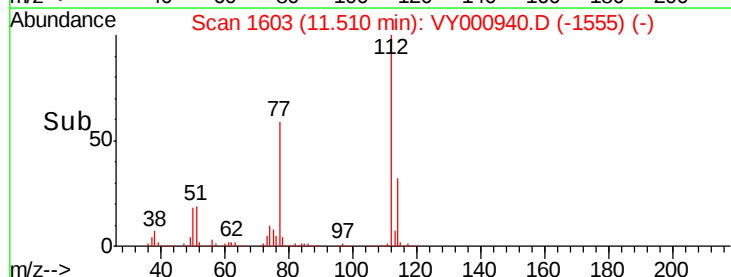
0

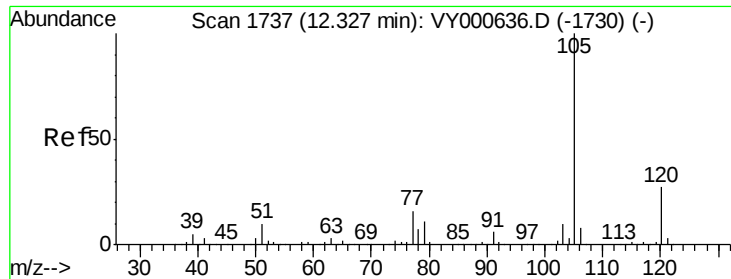
11.40

11.50

11.60

Time-->





#60

Isopropylbenzene

Concen: 0.059 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000940.D

Acq: 13 Dec 2019 11:53

Instrument :

MSVOA_Y

ClientSampleId :

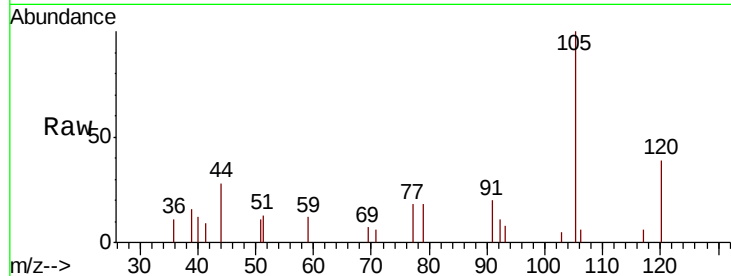
Tot Ion: 105 Resp: 1816

Ion Ratio Lower Upper

105 100

120 37.7 21.8 32.8#

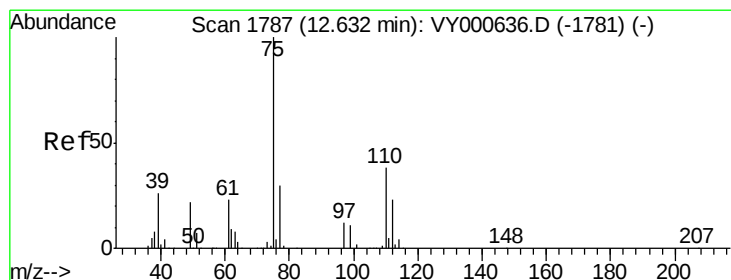
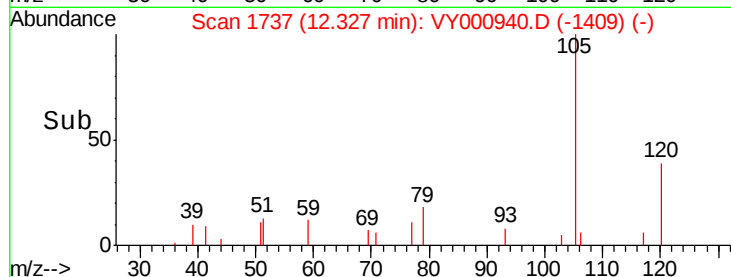
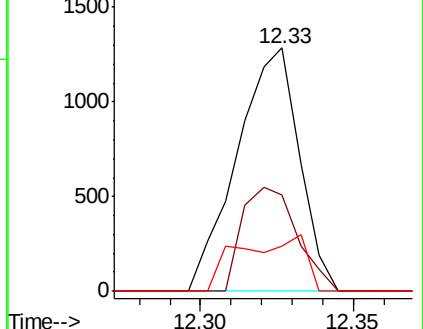
77 10.8 12.6 19.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 0.060 ug/L

RT: 12.63 min Scan# 1786

Delta R.T. -0.01 min

Lab File: VY000940.D

Acq: 13 Dec 2019 11:53

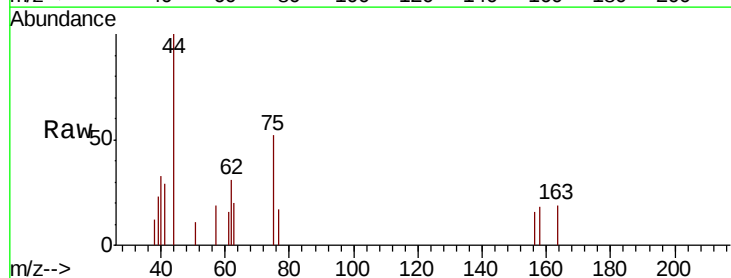
Tgt Ion: 75 Resp: 371

Ion Ratio Lower Upper

75 100

77 105.1 25.4 38.0#

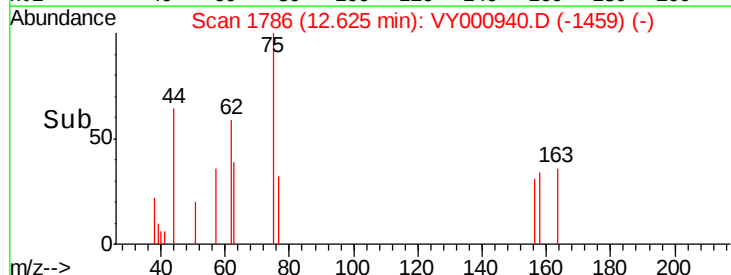
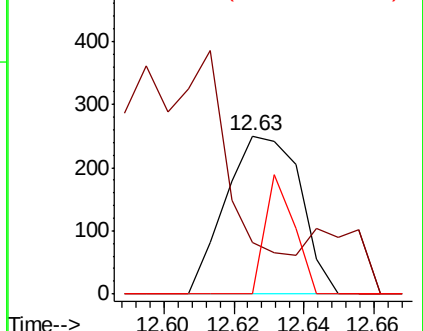
110 28.8 33.0 49.4#

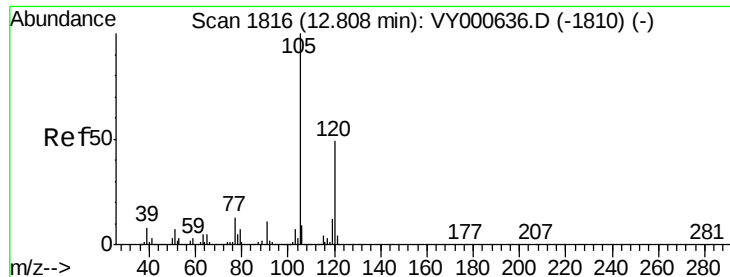


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.008 ug/L

RT: 12.77 min Scan# 1809

Delta R.T. -0.04 min

Lab File: VY000940.D

Acq: 13 Dec 2019 11:53

Instrument :

MSVOA_Y

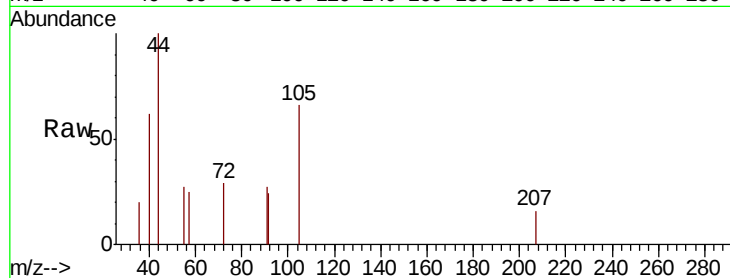
ClientSampled :

Tot Ion:105 Resp: 213

Ion Ratio Lower Upper

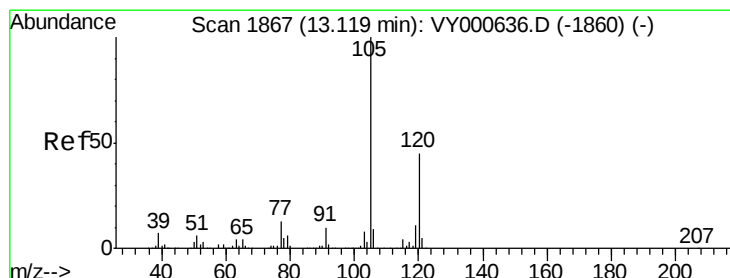
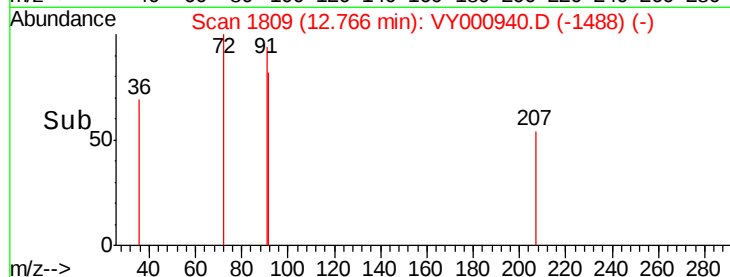
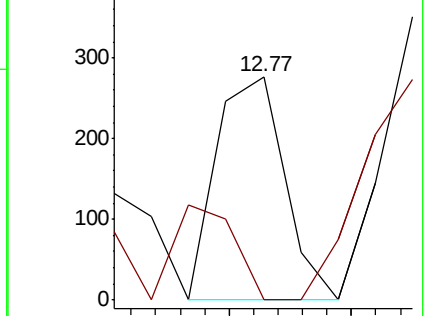
105 100

120 37.6 25.9 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.082 ug/L

RT: 12.80 min Scan# 1815

Delta R.T. -0.32 min

Lab File: VY000940.D

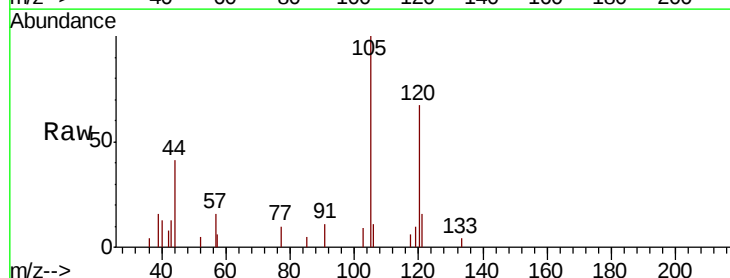
Acq: 13 Dec 2019 11:53

Tgt Ion:105 Resp: 2056

Ion Ratio Lower Upper

105 100

120 45.8 40.3 60.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

