

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111119\
 Data File : VY000639.D
 Acq On : 11 Nov 2019 14:22
 Operator : SY/MD
 Sample : K4649-02MS
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 12 04:52:49 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	356441	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	332901	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	154636	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	141926	26.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.52%
7) Chloroethane-d5	2.76	69	127219	26.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.56%
11) 1,1-Dichloroethene-d2	3.86	63	258598	27.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.76%
21) 2-Butanone-d5	6.90	46	117617	49.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.66%
24) Chloroform-d	7.49	84	246286	26.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.04%
26) 1,2-Dichloroethane-d4	8.15	65	148724	26.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.08%
32) Benzene-d6	8.12	84	529370	27.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.00%
36) 1,2-Dichloropropane-d6	9.13	67	163288	27.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.32%
41) Toluene-d8	10.18	98	481865	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.72%
43) trans-1,3-Dichloropropene-	10.44	79	75057	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.40%
47) 2-Hexanone-d5	10.79	63	90863	49.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.96%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	149159	23.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.92%
66) 1,2-Dichlorobenzene-d4	13.72	152	166034	27.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.96%

Target Compounds

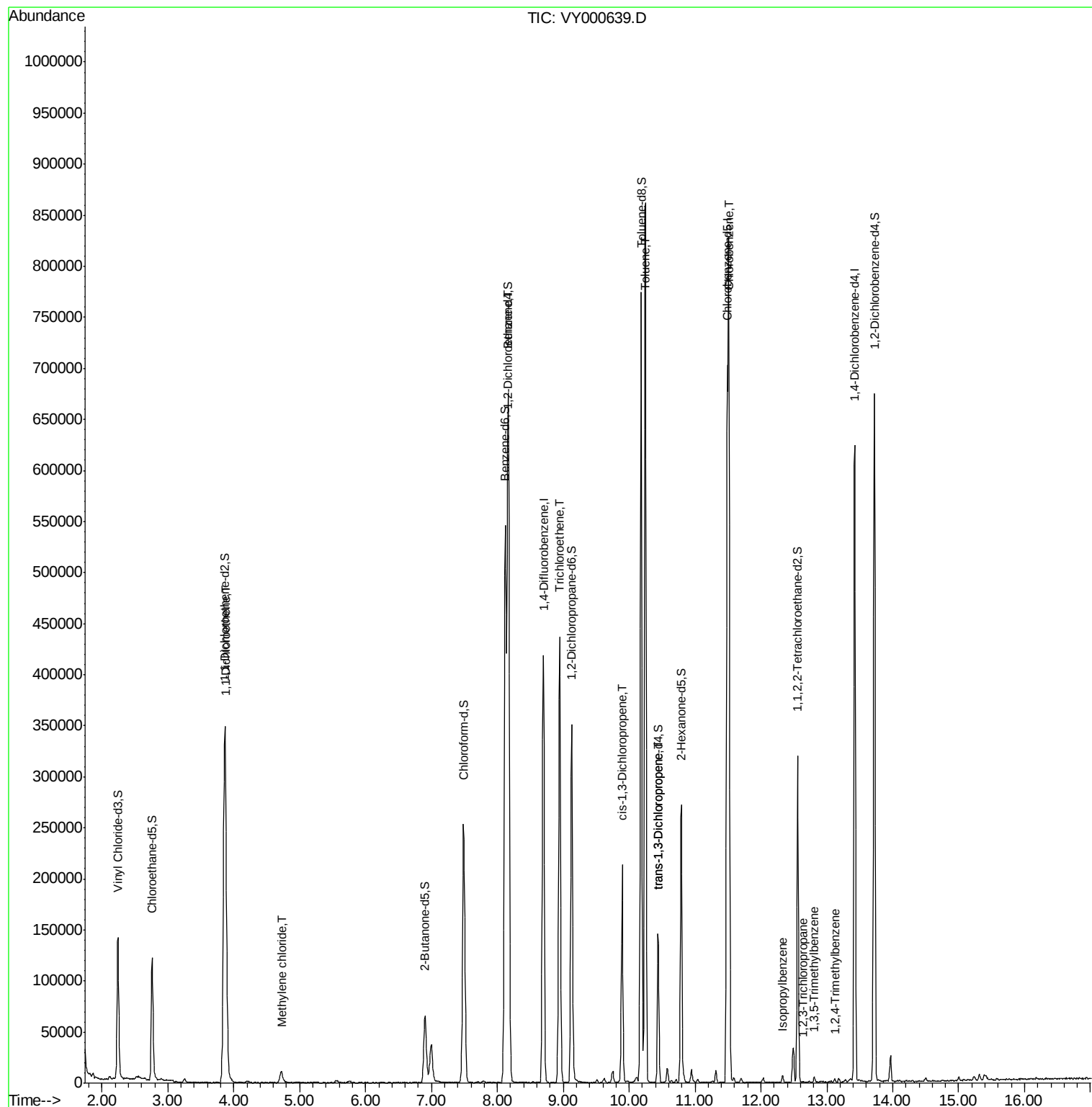
					Ovalue
12) 1,1-Dichloroethene	3.88	96	127902	27.014 ug/L	91
16) Methylene chloride	4.72	84	4215	0.726 ug/L	92
33) Benzene	8.17	78	567656	25.963 ug/L	100
34) Trichloroethene	8.94	95	144914	25.116 ug/L	97
39) cis-1,3-Dichloropropene	9.89	75	5766	0.645 ug/L	92
42) Toluene	10.25	91	607725	26.028 ug/L	100
44) trans-1,3-Dichloropropene	10.44	75	4087	0.517 ug/L #	75
51) Chlorobenzene	11.52	112	383460	25.711 ug/L	99
60) Isopropylbenzene	12.33	105	1835	0.075 ug/L #	56
61) 1,2,3-Trichloropropane	12.63	75	108	0.022 ug/L #	38
62) 1,3,5-Trimethylbenzene	12.81	105	1978	0.098 ug/L #	33
63) 1,2,4-Trimethylbenzene	13.12	105	2063	0.104 ug/L	89

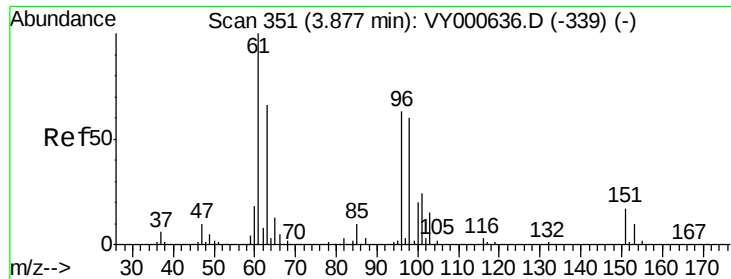
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Nov 12 04:50:16 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 27.014 ug/L

RT: 3.88 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000639.D

Acq: 11 Nov 2019 14:22

Instrument :

MSVOA_Y

ClientSampleId :

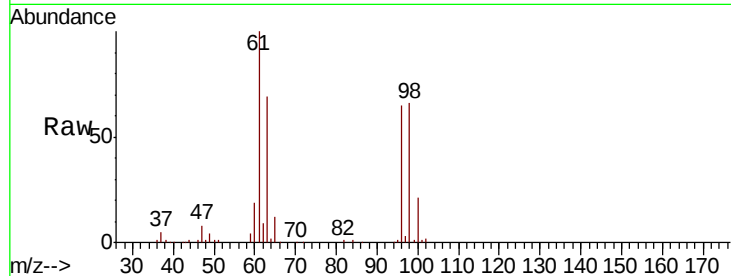
Tot Ion: 96 Resp: 127902

Ion Ratio Lower Upper

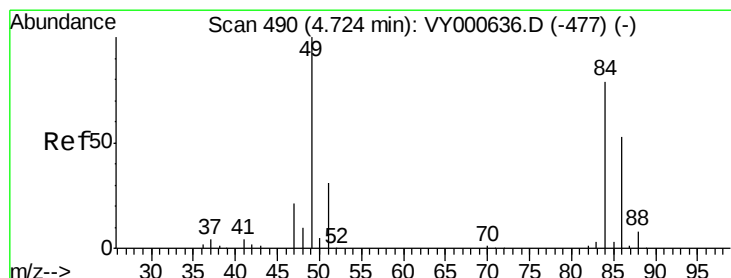
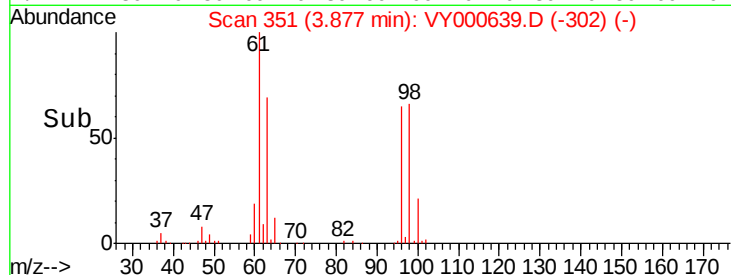
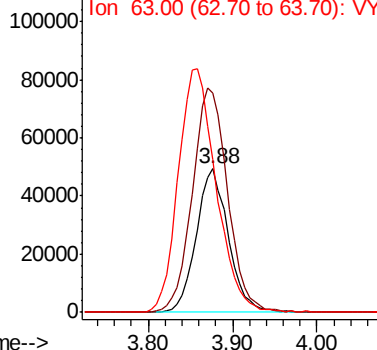
96 100

61 152.9 118.6 220.2

63 106.1 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: 0.726 ug/L

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000639.D

Acq: 11 Nov 2019 14:22

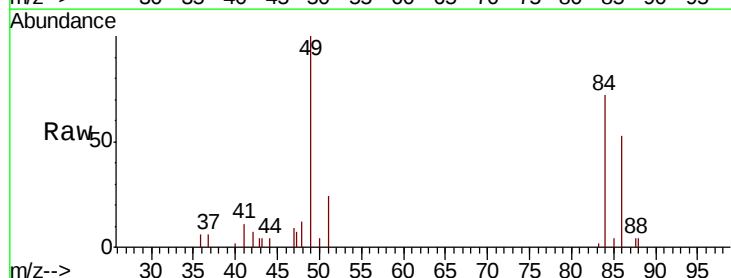
Tgt Ion: 84 Resp: 4215

Ion Ratio Lower Upper

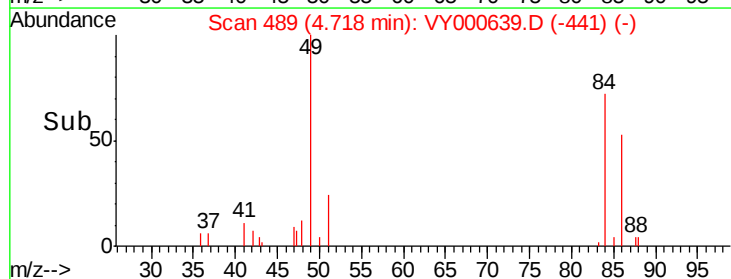
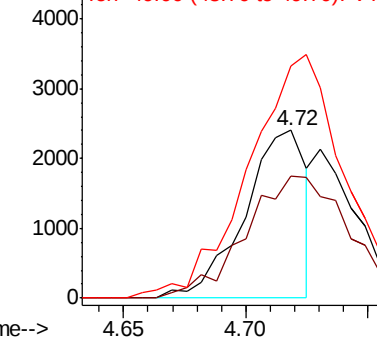
84 100

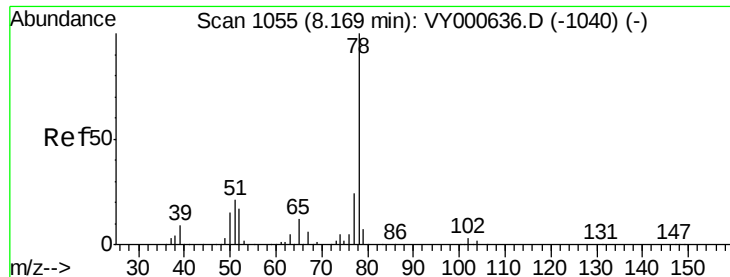
86 72.9 43.4 80.6

49 138.2 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: 25.963 ug/L

RT: 8.17 min Scan# 1055

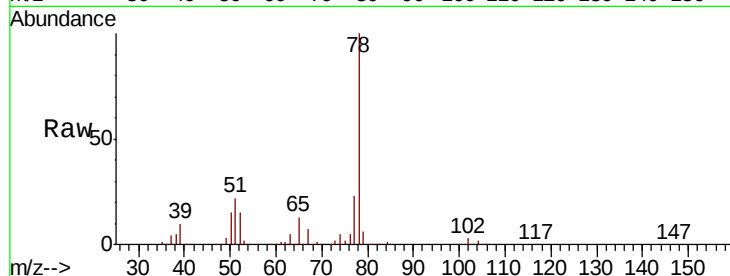
Delta R.T. 0.00 min

Lab File: VY000639.D

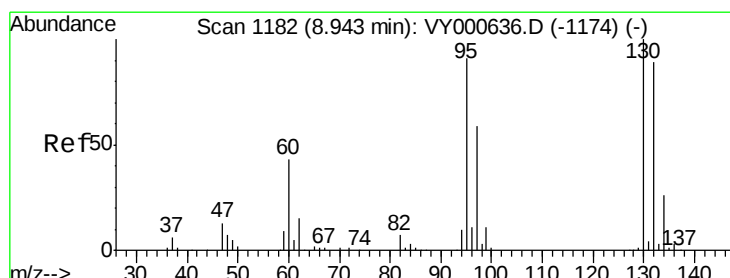
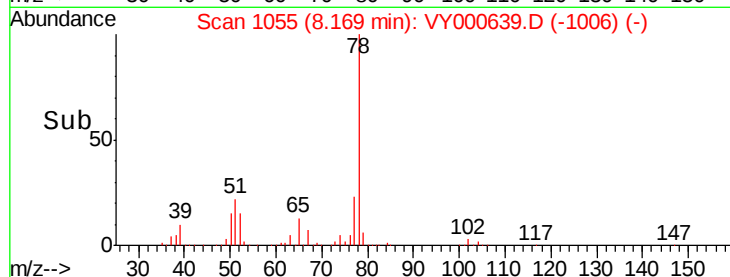
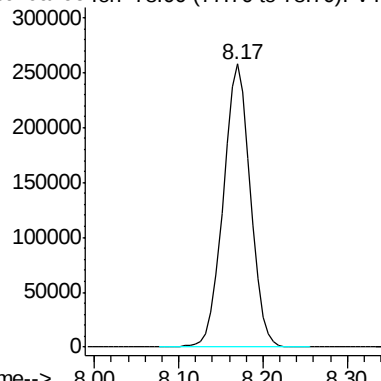
Acq: 11 Nov 2019 14:22

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 78 Resp: 567656



Abundance Ion 78.00 (77.70 to 78.70): VY0



#34

Trichloroethene

Concen: 25.116 ug/L

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY000639.D

Acq: 11 Nov 2019 14:22

Tgt Ion: 95 Resp: 144914

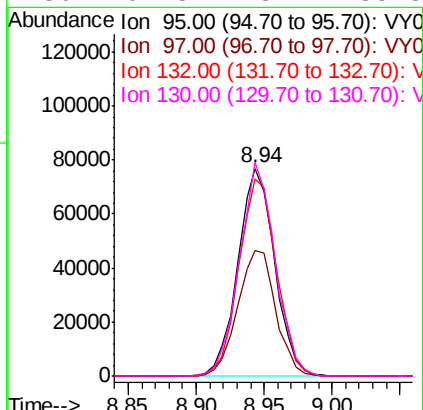
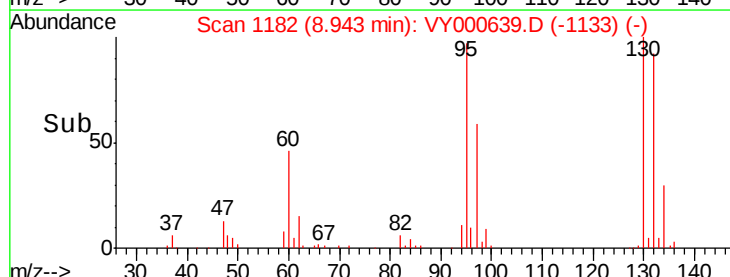
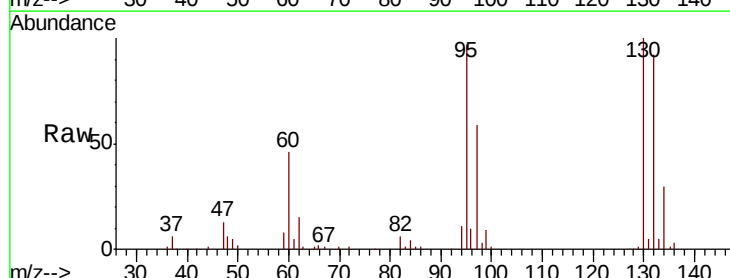
Ion	Ratio	Lower	Upper
95	100		
97	60.4	41.4	76.8
132	94.9	69.7	129.4
130	102.8	73.1	135.8

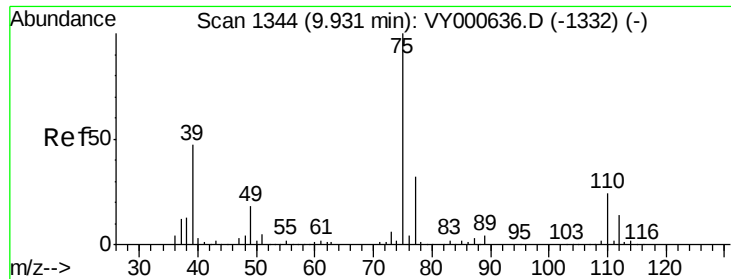
Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

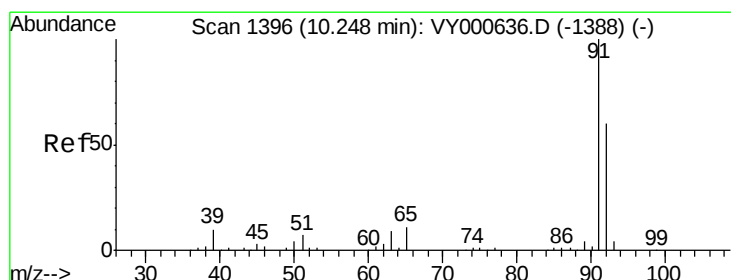
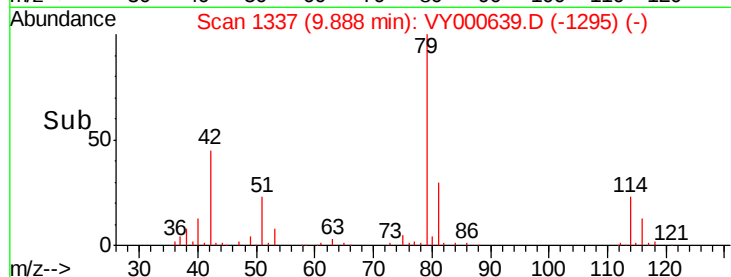
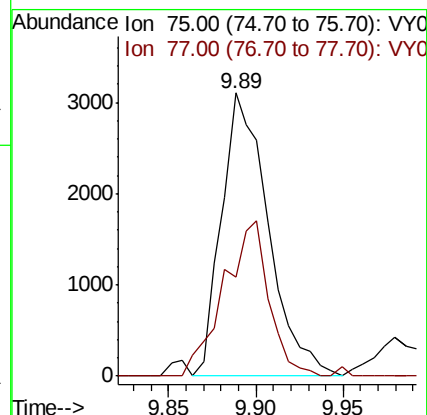
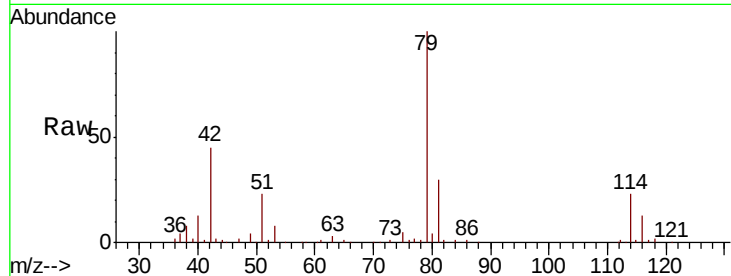




#39
 cis-1,3-Dichloropropene
 Concen: 0.645 ug/L
 RT: 9.89 min Scan# 1337
 Delta R.T. -0.04 min
 Lab File: VY000639.D
 Acq: 11 Nov 2019 14:22

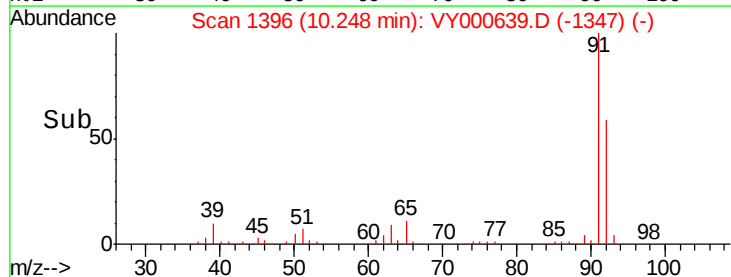
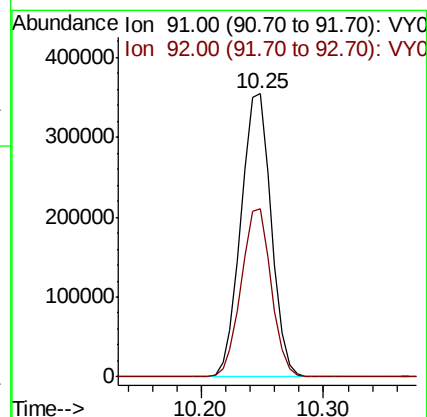
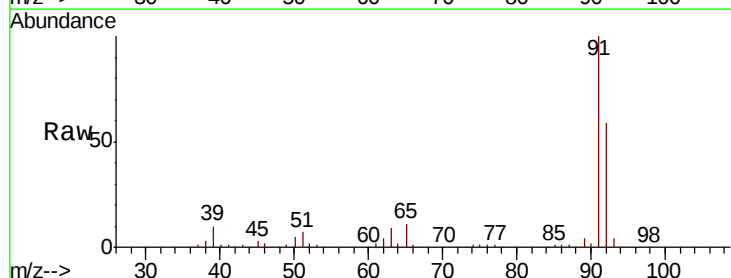
Instrument :
 MSVOA_Y
 ClientSampled :

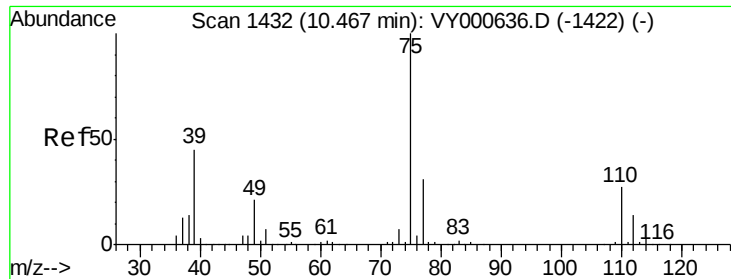
Tot Ion: 75 Resp: 5766
 Ion Ratio Lower Upper
 75 100
 77 34.8 21.3 39.6



#42
 Toluene
 Concen: 26.028 ug/L
 RT: 10.25 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: VY000639.D
 Acq: 11 Nov 2019 14:22

Tgt Ion: 91 Resp: 607725
 Ion Ratio Lower Upper
 91 100
 92 59.3 41.2 76.6

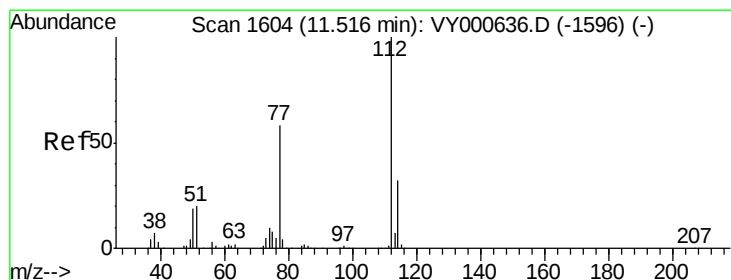
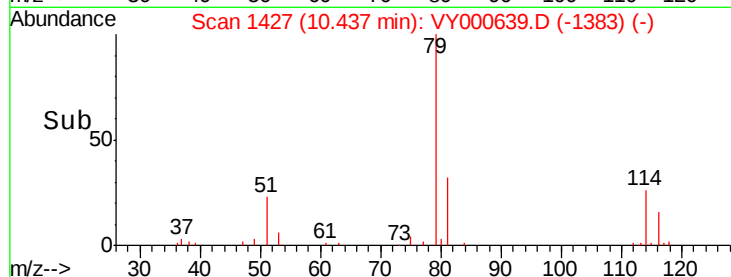
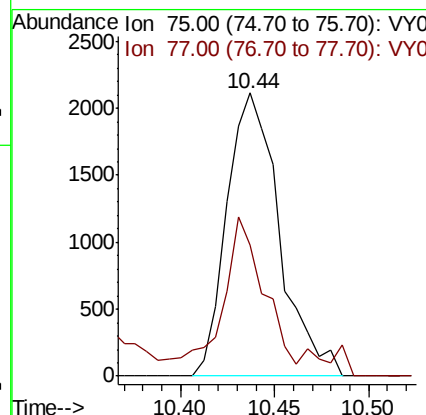
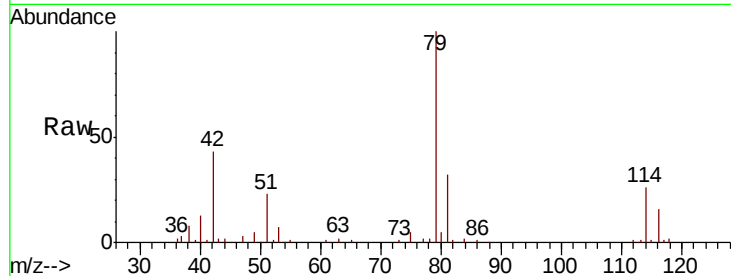




#44
trans-1,3-Dichloropropene
Concen: 0.517 ug/L
RT: 10.44 min Scan# 1427
Delta R.T. -0.03 min
Lab File: VY000639.D
Acq: 11 Nov 2019 14:22

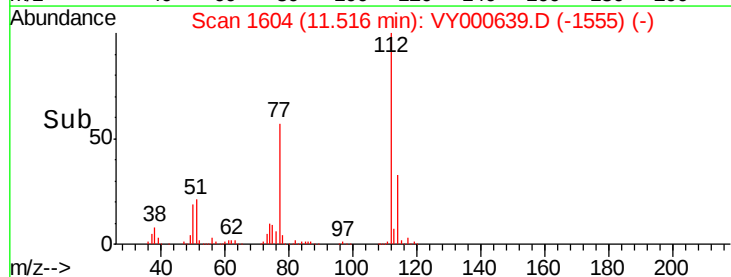
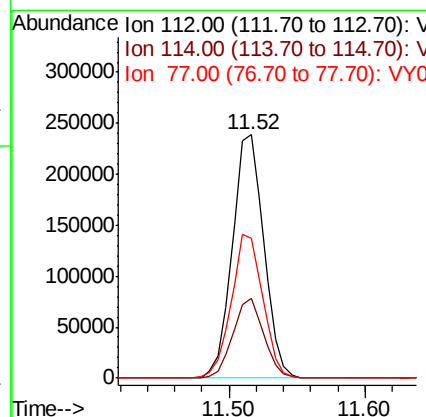
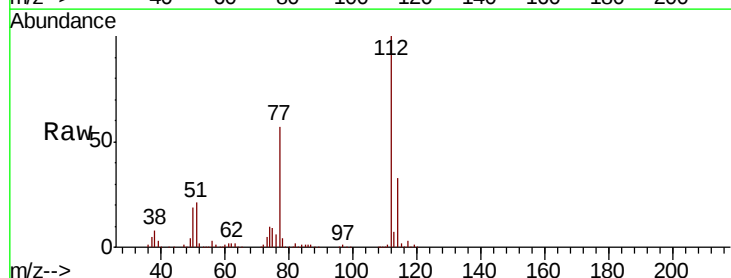
Instrument :
MSVOA_Y
ClientSampled :

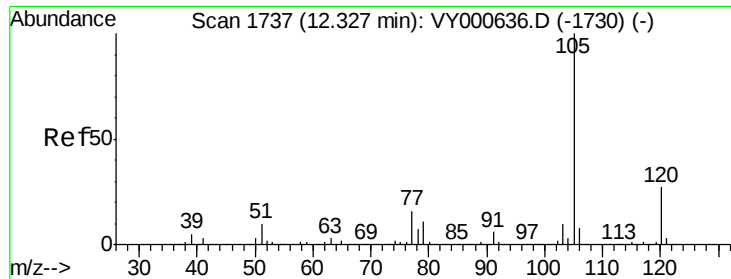
Tot Ion: 75 Resp: 4087
Ion Ratio Lower Upper
75 100
77 46.4 22.7 42.1#



#51
Chlorobenzene
Concen: 25.711 ug/L
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000639.D
Acq: 11 Nov 2019 14:22

Tgt Ion: 112 Resp: 383460
Ion Ratio Lower Upper
112 100
114 32.8 22.1 41.1
77 57.3 45.3 67.9





#60

Isopropylbenzene

Concen: 0.075 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000639.D

Acq: 11 Nov 2019 14:22

Instrument :

MSVOA_Y

ClientSampleId :

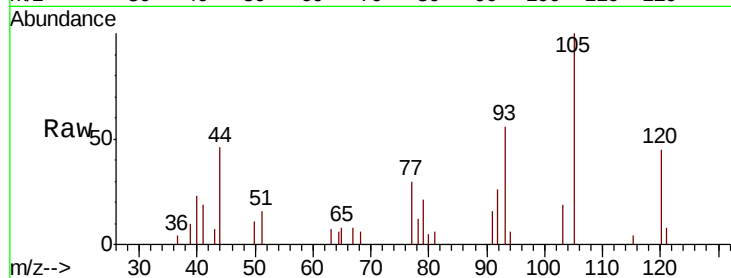
Tot Ion: 105 Resp: 1835

Ion Ratio Lower Upper

105 100

120 39.2 21.8 32.8#

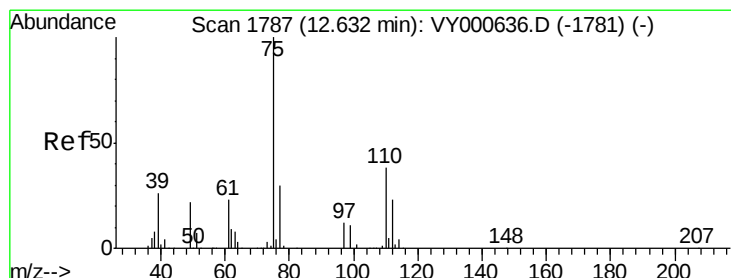
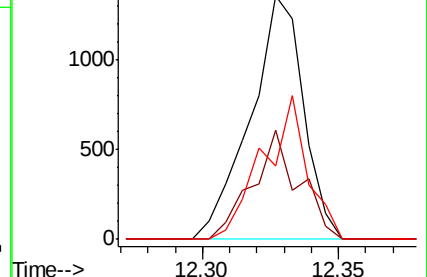
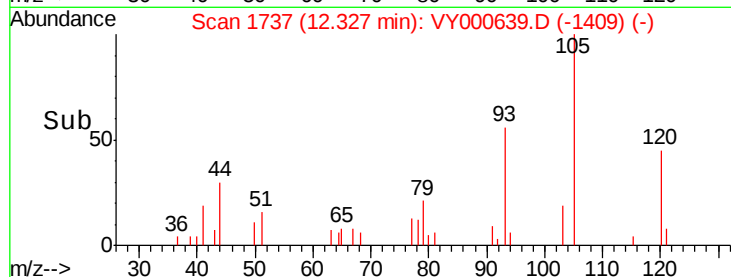
77 49.5 12.6 19.0#



Abundance Ion 105.00 (104.70 to 105.70): VY000639.D (-1730) (-)

Ion 120.00 (119.70 to 120.70): VY000639.D (-1730) (-)

Ion 77.00 (76.70 to 77.70): VY000639.D (-1730) (-)



#61

1,2,3-Trichloropropane

Concen: 0.022 ug/L

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000639.D

Acq: 11 Nov 2019 14:22

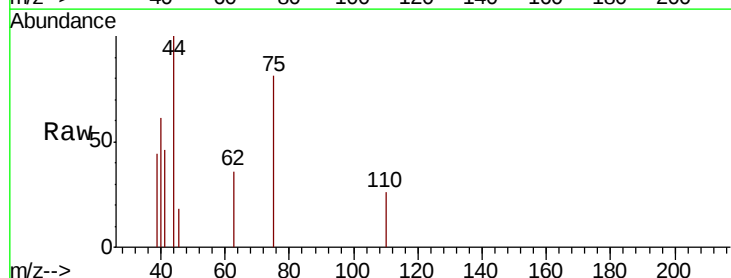
Tgt Ion: 75 Resp: 108

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

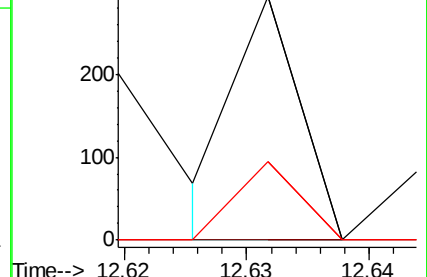
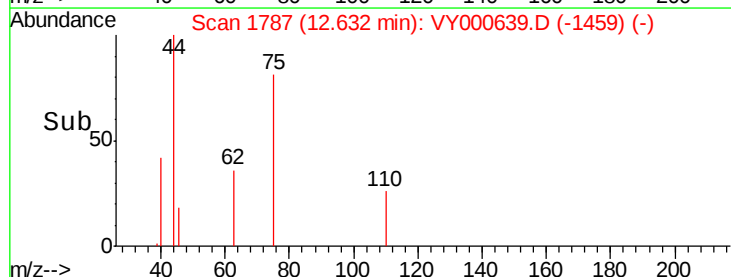
110 0.0 33.0 49.4#

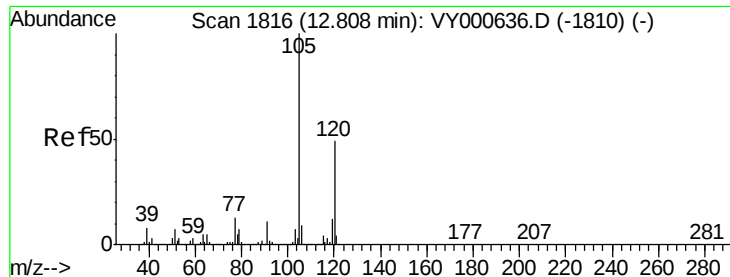


Abundance Ion 75.00 (74.70 to 75.70): VY000639.D (-1781) (-)

Ion 77.00 (76.70 to 77.70): VY000639.D (-1781) (-)

Ion 110.00 (109.70 to 110.70): VY000639.D (-1781) (-)





#62

1,3,5-Trimethylbenzene

Concen: 0.098 ug/L

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000639.D

Acq: 11 Nov 2019 14:22

Instrument :

MSVOA_Y

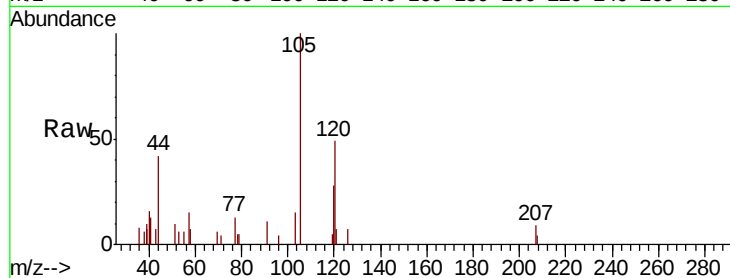
ClientSampleId :

Tot Ion:105 Resp: 1978

Ion Ratio Lower Upper

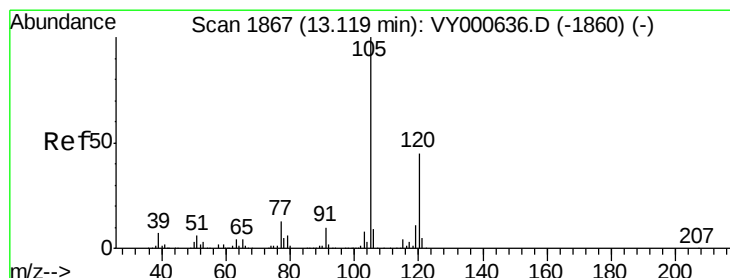
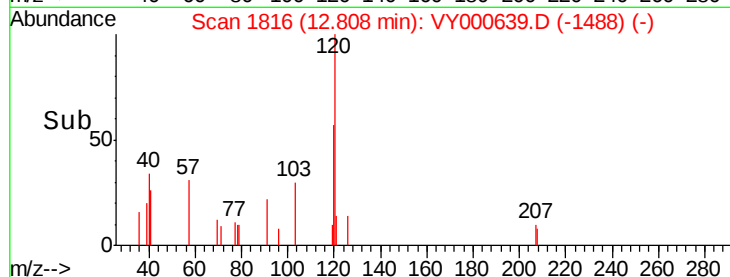
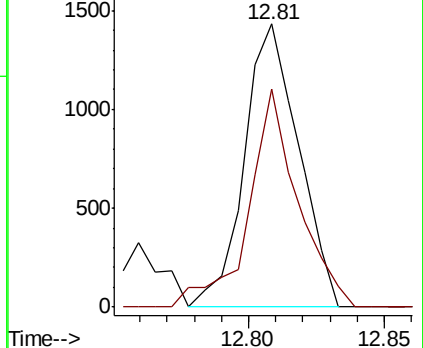
105 100

120 69.7 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: 0.104 ug/L

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY000639.D

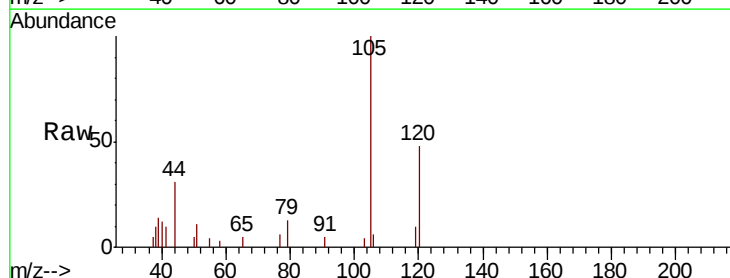
Acq: 11 Nov 2019 14:22

Tgt Ion:105 Resp: 2063

Ion Ratio Lower Upper

105 100

120 42.6 40.3 60.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

