

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
 Data File : VU039608.D
 Acq On : 21 Jul 2020 19:38
 Operator : SY/MD
 Sample : L3347-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAY04

Quant Time: Jul 22 03:28:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	117075	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110923	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50258	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	34720	6.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	127.80%
7) Chloroethane-d5	1.92	69	34800	5.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.40%
11) 1,1-Dichloroethene-d2	2.58	63	54468	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	4.66	46	126835	51.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.48%
24) Chloroform-d	5.08	84	66416	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.72	65	44395	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.75	84	139465	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.71	67	45814	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.91	98	123829	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.19	79	17481	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.64	63	91119	48.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.66%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	37336	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	45989	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

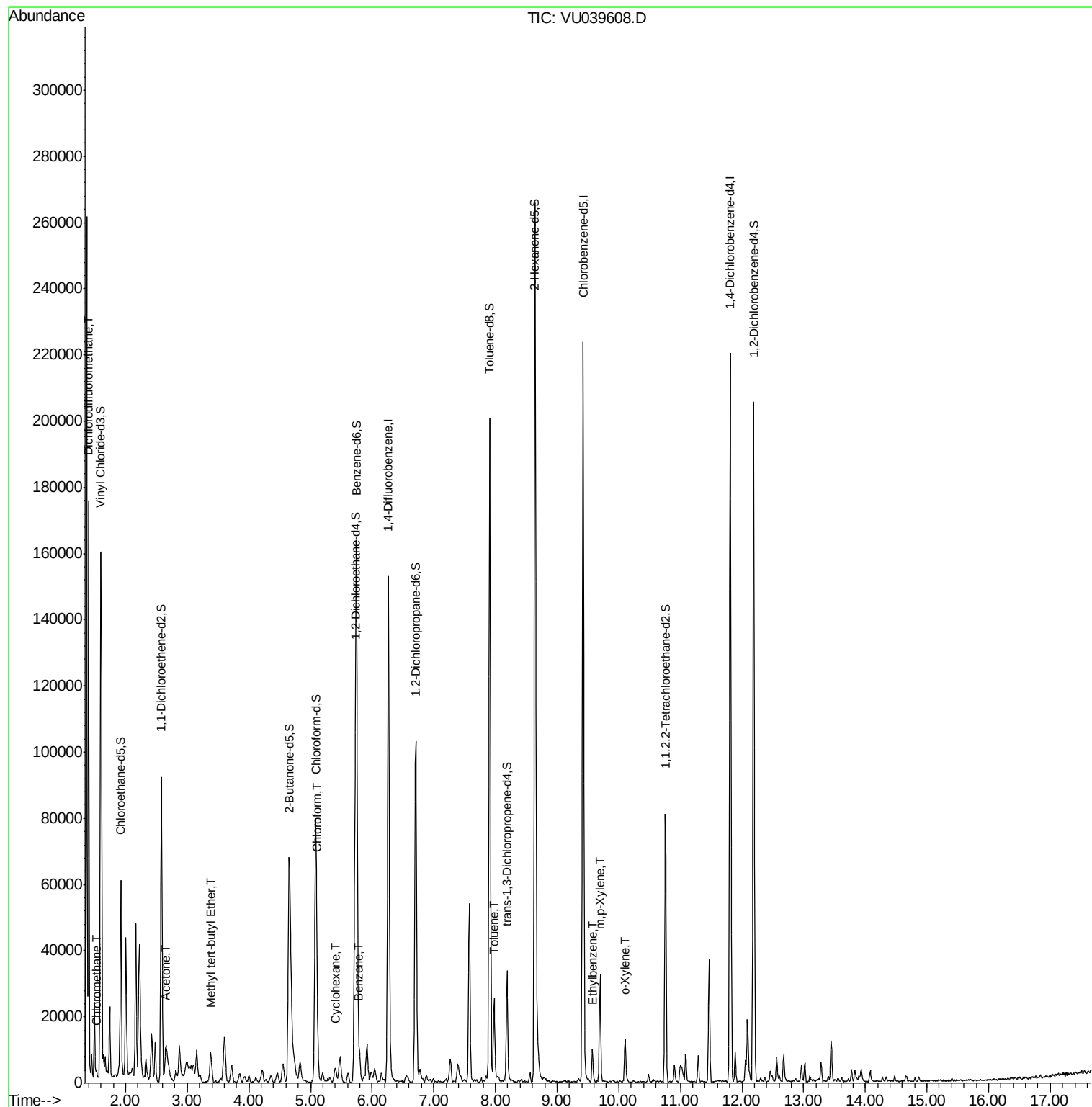
					Qvalue
2) Dichlorodifluoromethane	1.40	85	1986	0.347 ug/L	94
3) Chloromethane	1.53	50	1088	0.175 ug/L	88
13) Acetone	2.66	43	20372	14.935 ug/L	87
17) Methyl tert-butyl Ether	3.38	73	4506	0.256 ug/L #	11
25) Chloroform	5.11	83	10113	0.703 ug/L	94
30) Cyclohexane	5.41	56	2299	0.223 ug/L #	82
33) Benzene	5.79	78	7069	0.265 ug/L	100
42) Toluene	7.98	91	16282	0.558 ug/L	99
52) Ethylbenzene	9.57	91	6469	0.195 ug/L	97
53) m,p-Xylene	9.70	106	8548	0.690 ug/L	97
54) o-Xylene	10.10	106	3129	0.259 ug/L	88

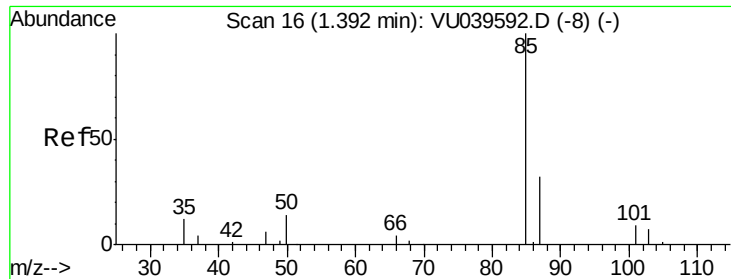
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.347 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.01 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

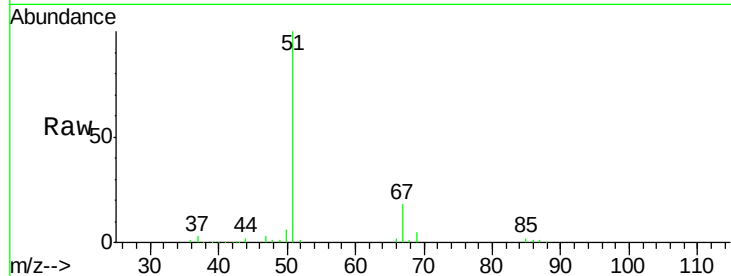
GAY04

Tgt Ion: 85 Resp: 1986

Ion Ratio Lower Upper

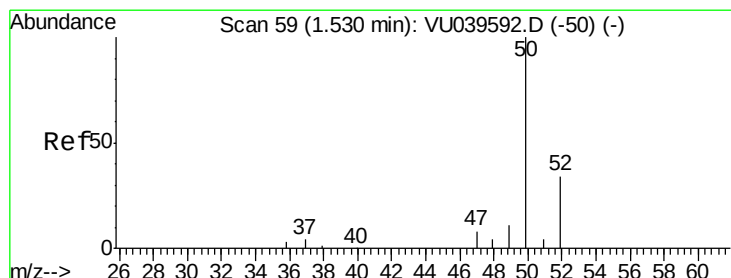
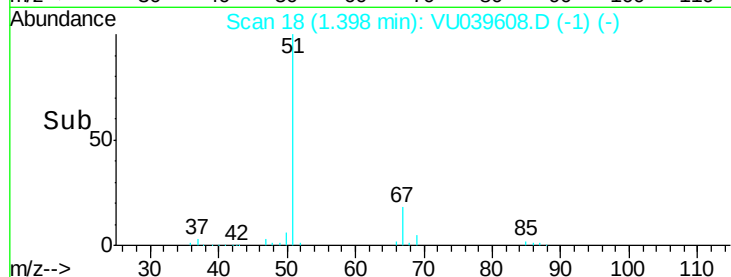
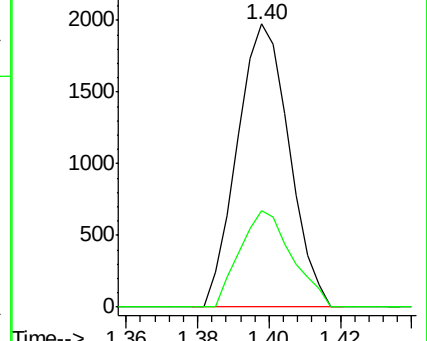
85 100

87 34.1 24.5 36.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.175 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039608.D

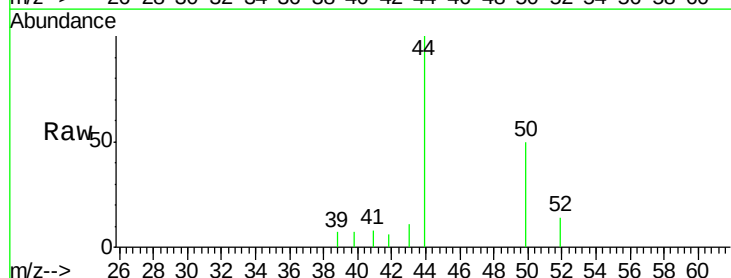
Acq: 21 Jul 2020 19:38

Tgt Ion: 50 Resp: 1088

Ion Ratio Lower Upper

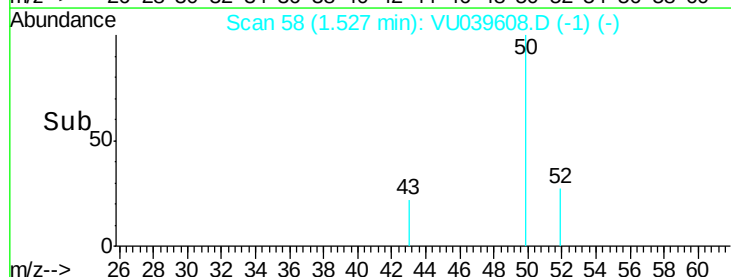
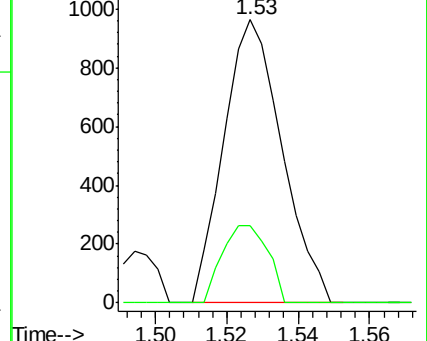
50 100

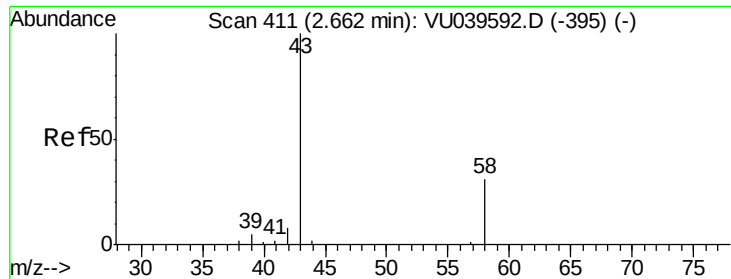
52 27.2 23.9 44.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#13

Acetone

Concen: 14.935 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

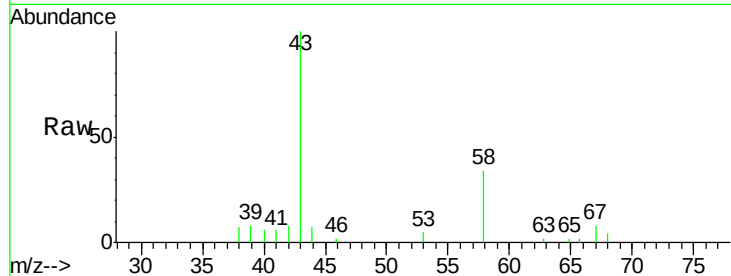
GAY04

Tgt Ion: 43 Resp: 20372

Ion Ratio Lower Upper

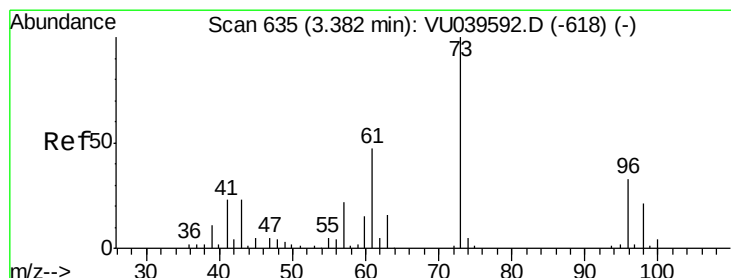
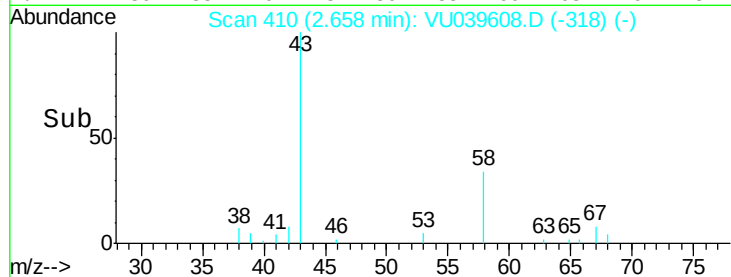
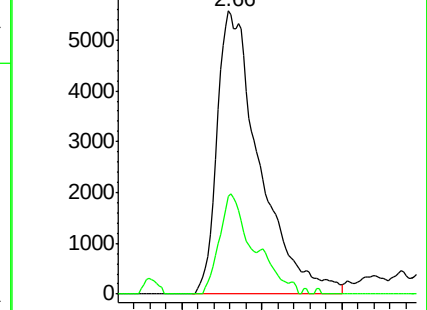
43 100

58 22.5 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-395) (-)



#17

Methyl tert-butyl Ether

Concen: 0.256 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

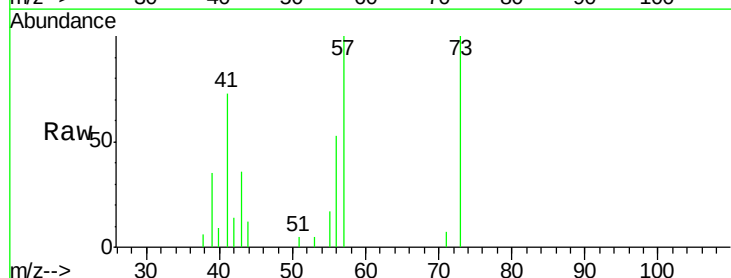
Tgt Ion: 73 Resp: 4506

Ion Ratio Lower Upper

73 100

43 38.2 18.2 27.4#

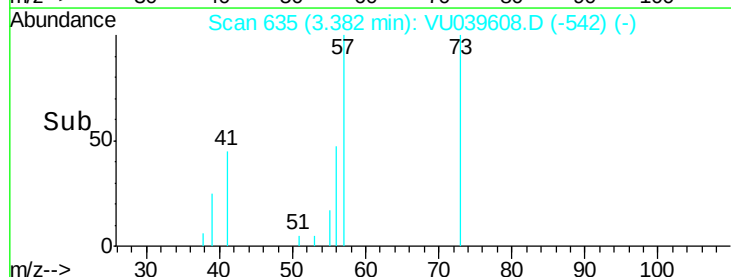
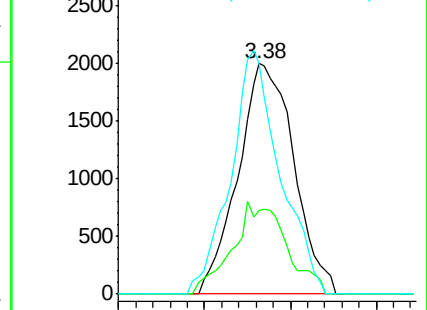
57 93.2 17.9 26.9#

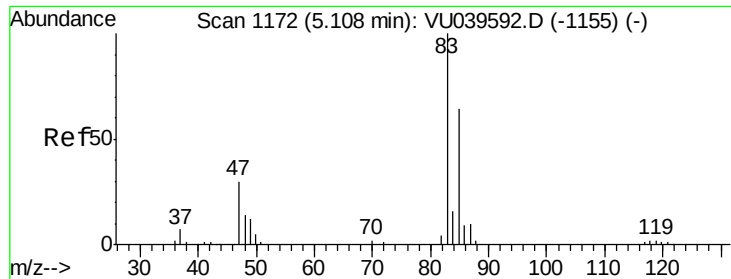


Abundance Ion 73.10 (72.80 to 73.80): VU039592.D (-618) (-)

Ion 43.05 (42.75 to 43.75): VU039592.D (-618) (-)

Ion 57.10 (56.80 to 57.80): VU039592.D (-618) (-)

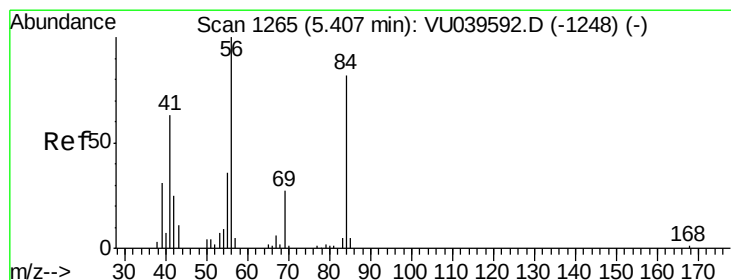
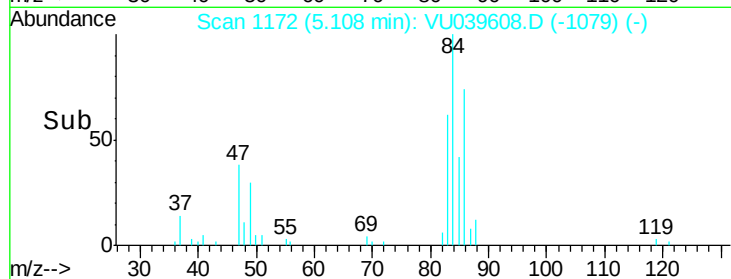
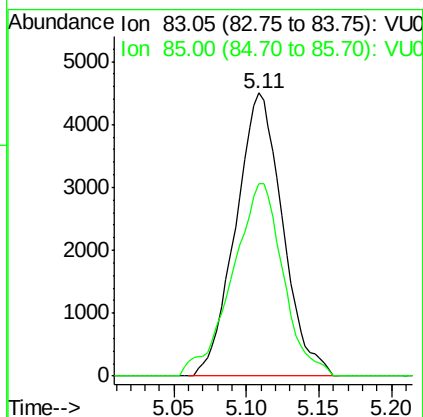
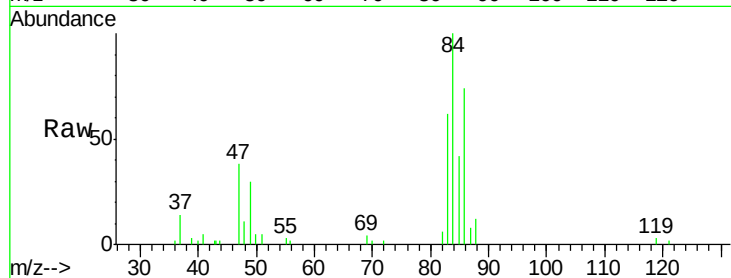




#25
Chloroform
Concen: 0.703 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039608.D
Acq: 21 Jul 2020 19:38

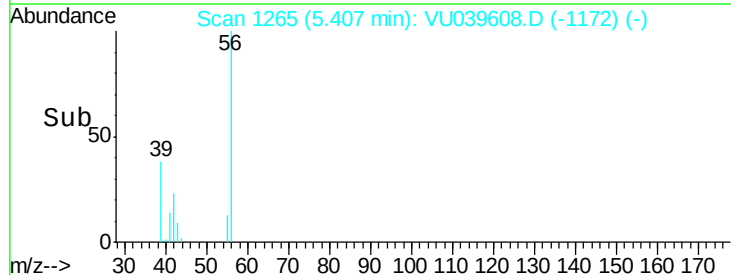
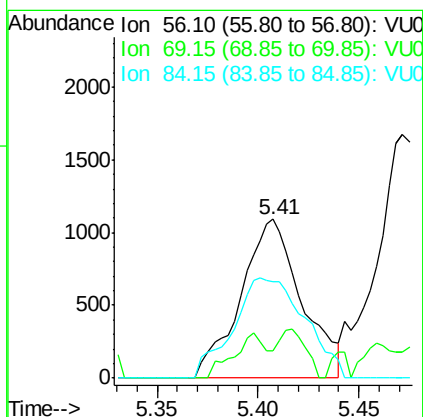
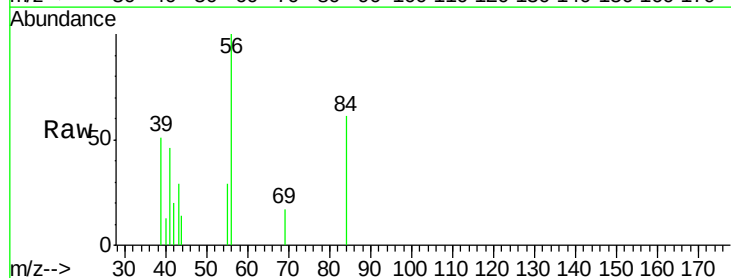
Instrument :
MSVOA_U
ClientSampleId :
GAY04

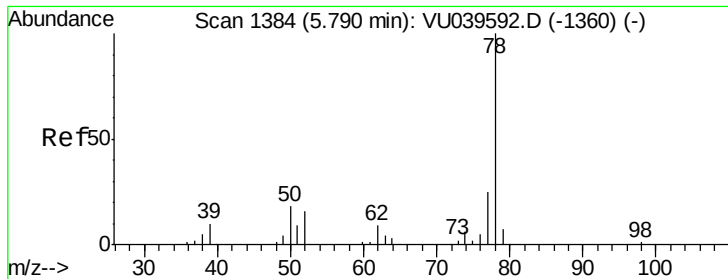
Tgt Ion: 83 Resp: 10113
Ion Ratio Lower Upper
83 100
85 67.8 44.4 82.5



#30
Cyclohexane
Concen: 0.223 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039608.D
Acq: 21 Jul 2020 19:38

Tgt Ion: 56 Resp: 2299
Ion Ratio Lower Upper
56 100
69 14.3 24.0 36.0#
84 73.9 69.8 104.6





#33

Benzene

Concen: 0.265 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

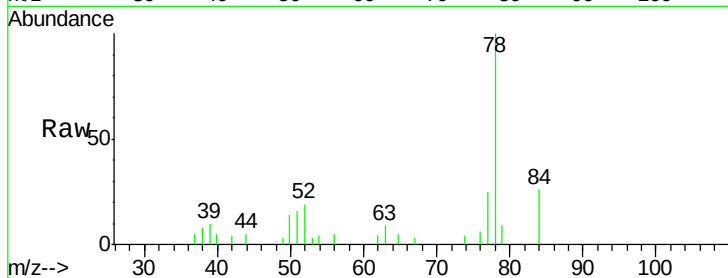
Instrument :

MSVOA_U

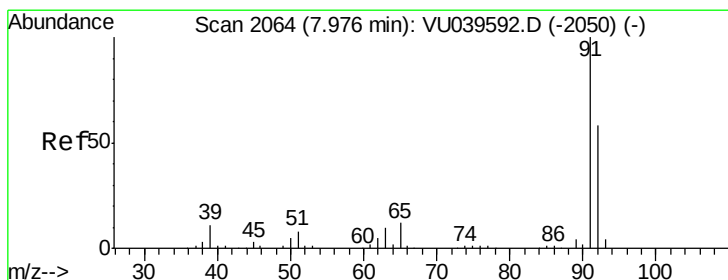
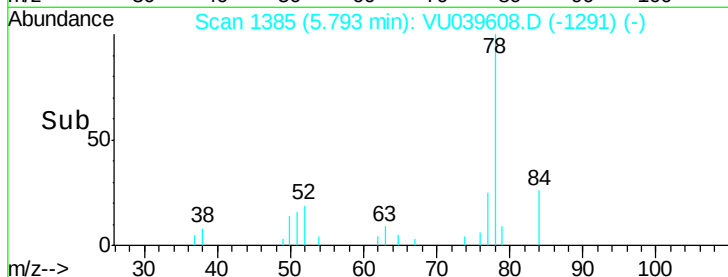
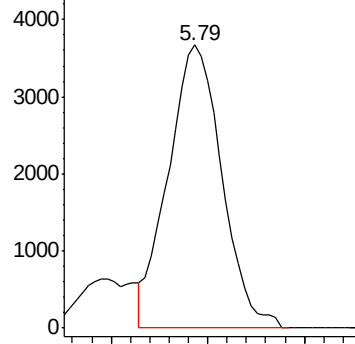
ClientSampleId :

GAY04

Tgt Ion: 78 Resp: 7069



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 0.558 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039608.D

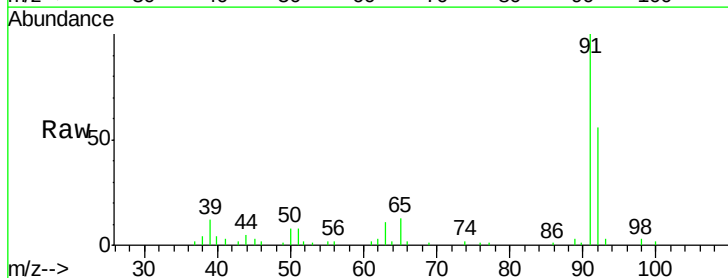
Acq: 21 Jul 2020 19:38

Tgt Ion: 91 Resp: 16282

Ion Ratio Lower Upper

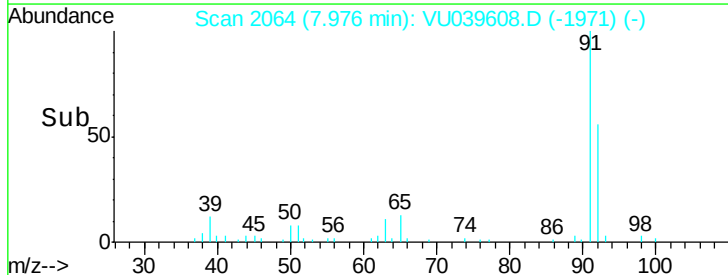
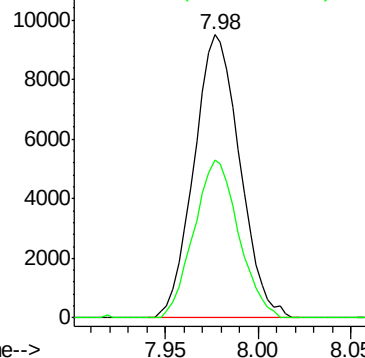
91 100

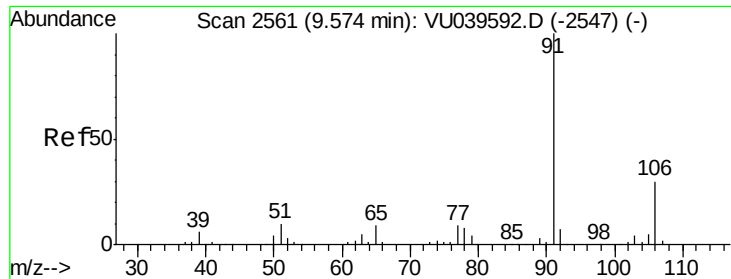
92 55.7 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#52

Ethylbenzene

Concen: 0.195 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039608.D

Acq: 21 Jul 2020 19:38

Instrument :

MSVOA_U

ClientSampleId :

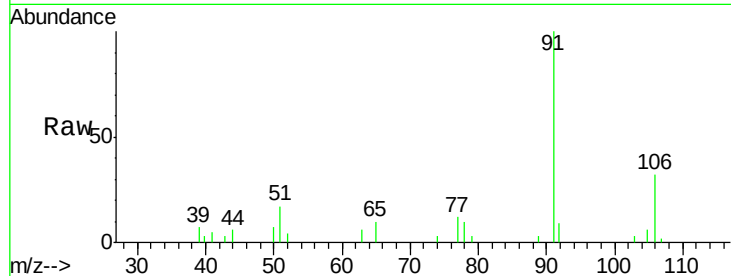
GAY04

Tgt Ion: 91 Resp: 6469

Ion Ratio Lower Upper

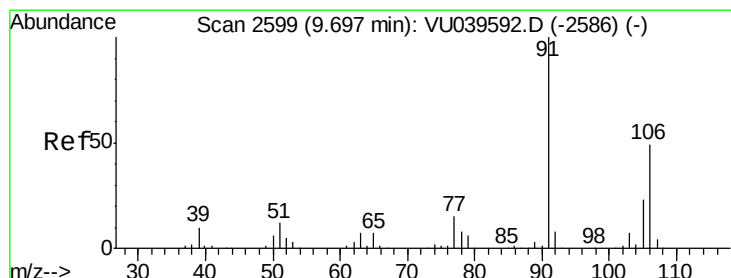
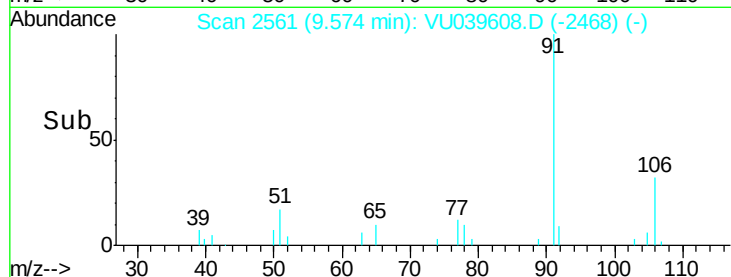
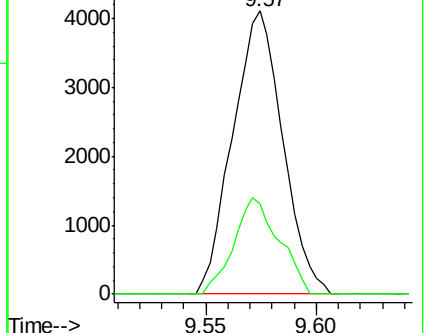
91 100

106 31.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039592.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU039592.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.690 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039608.D

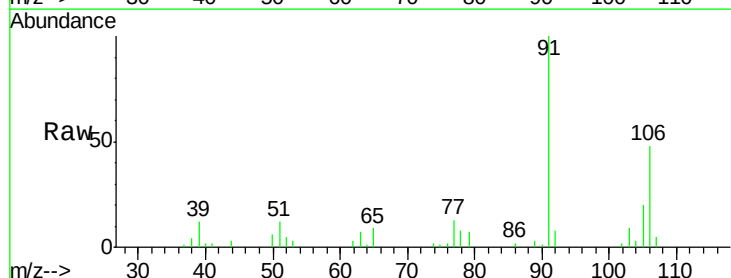
Acq: 21 Jul 2020 19:38

Tgt Ion: 106 Resp: 8548

Ion Ratio Lower Upper

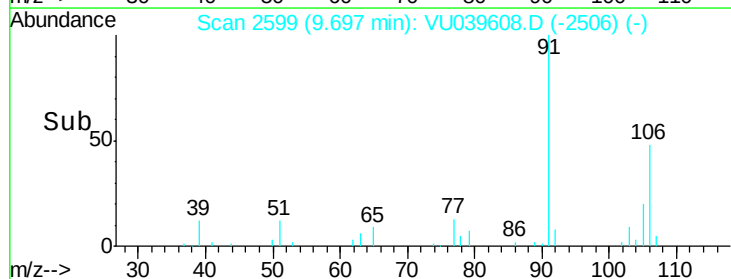
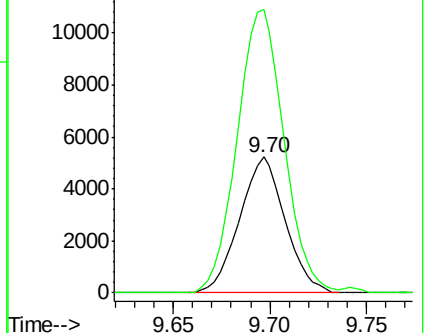
106 100

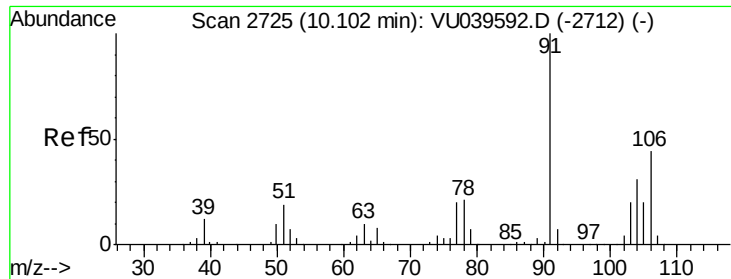
91 208.7 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039592.D (-2586) (-)

Ion 91.15 (90.85 to 91.85): VU039592.D (-2586) (-)





#54
 o-Xylene
 Concen: 0.259 ug/L
 RT: 10.10 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VU039608.D
 Acq: 21 Jul 2020 19:38

Instrument :
 MSVOA_U
 ClientSampleId :
 GAY04

Tgt Ion:106 Resp: 3129
 Ion Ratio Lower Upper
 106 100
 91 204.6 157.4 292.4

