

Data File : VU036588.D
Acq On : 29 Jan 2020 12:57
Operator : JC/MD
Sample : L1271-02
Misc : 5.09g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GASZ4MS

Quant Time: Jan 30 02:51:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 30 02:48:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	301394	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	302013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	163443	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	88682	39.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.56%
7) Chloroethane-d5	1.89	69	22329	11.53	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	23.06%#
11) 1,1-Dichloroethene-d2	2.57	63	114869	31.47	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.94%
21) 2-Butanone-d5	4.68	46	108660	81.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.09%
24) Chloroform-d	5.10	84	152700	41.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.62%
26) 1,2-Dichloroethane-d4	5.74	65	99093	43.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.02%
32) Benzene-d6	5.76	84	358907	42.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.50%
36) 1,2-Dichloropropane-d6	6.73	67	111496	42.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.24%
41) Toluene-d8	7.93	98	354361	43.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.72%
43) trans-1,3-Dichloropropene-	8.21	79	54642	43.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.80%
47) 2-Hexanone-d5	8.68	63	123521	100.62	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.62%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	174028	44.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.42%
64) 1,2-Dichlorobenzene-d4	12.21	152	150822	43.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.00%

Target Compounds

					Qvalue
13) Acetone	2.67	43	2177	1.678 ug/L	94
15) Methyl Acetate	2.99	43	1978	0.975 ug/L	98
27) 1,2-Dichloroethane	5.81	62	3523	1.279 ug/L #	72
33) Benzene	5.81	78	455203	50.413 ug/L	100
37) 1,2-Dichloropropane	6.73	63	11093	4.834 ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2984	0.807 ug/L #	48
42) Toluene	8.00	91	1306866	133.155 ug/L	98
45) 1,1,2-Trichloroethane	8.30	97	3778	1.641 ug/L #	17
48) 2-Hexanone	8.68	43	10965	4.948 ug/L #	64
52) Ethylbenzene	9.60	91	931076	86.600 ug/L	99
53) m,p-Xylene	9.72	106	2432486	580.073 ug/L	99
54) o-xylene	10.13	106	1092138	261.100 ug/L	100
55) Styrene	10.13	104	60018	8.842 ug/L #	1
56) Isopropylbenzene	10.51	105	35213	3.311 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	2786	3.104 ug/L #	1
69) Naphthalene	13.98	128	7590	0.966 ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU012920\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

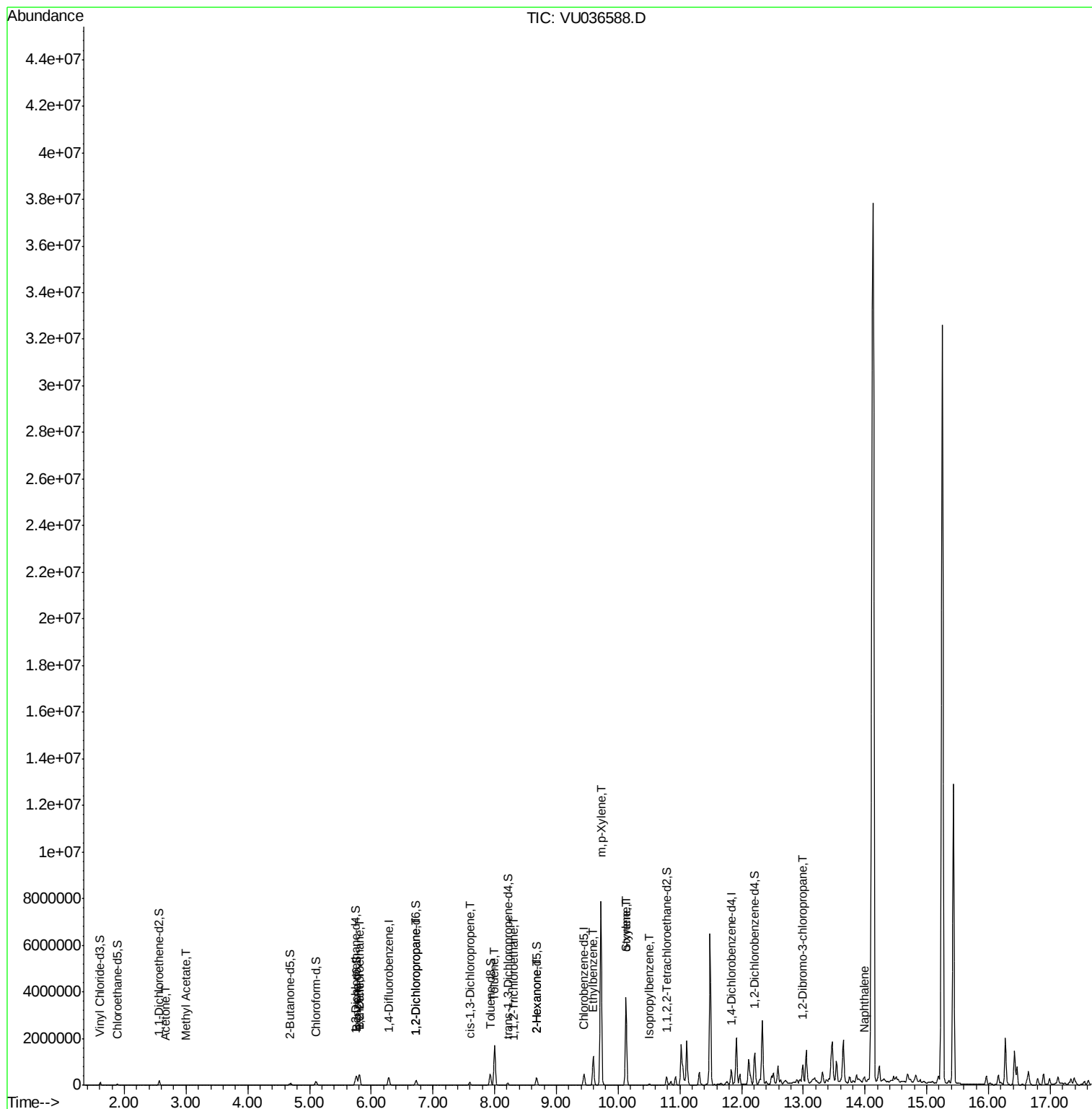
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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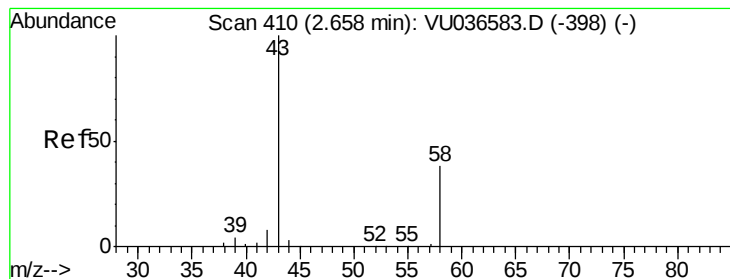
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
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#13

Acetone

Concen: 1.678 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.02 min

Lab File: VU036588.D

Acq: 29 Jan 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

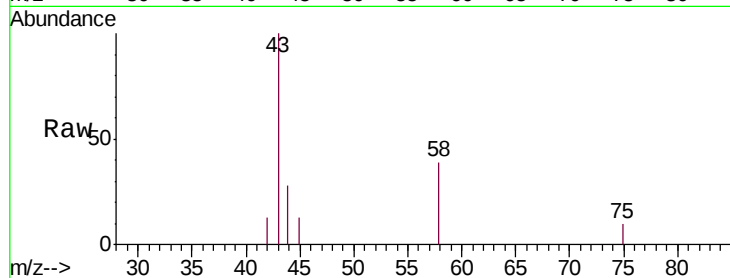
GASZ4MS

Tgt Ion: 43 Resp: 2177

Ion Ratio Lower Upper

43 100

58 34.3 0.0 75.4



Abundance Ion 43.00 (42.70 to 43.70): VU036588.D (-415) (-)

Ion 58.00 (57.70 to 58.70): VU036588.D (-415) (-)

2.67

1200

1000

800

600

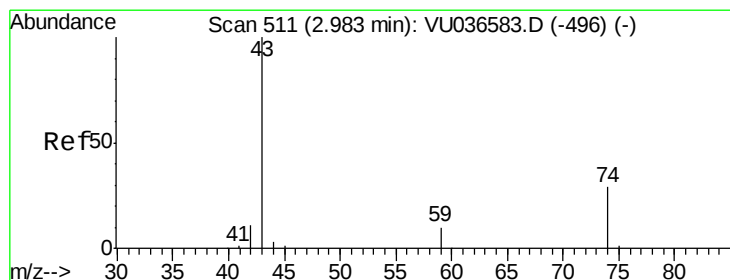
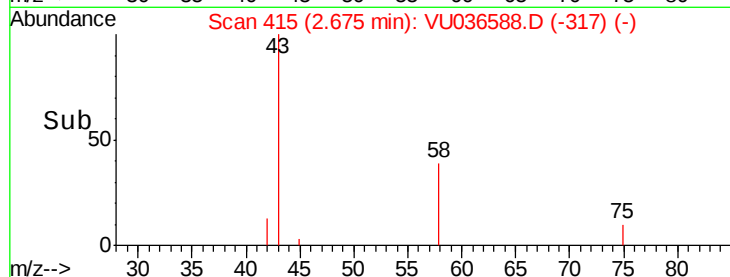
400

200

0

2.65 2.70

Time-->



#15

Methyl Acetate

Concen: 0.975 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.01 min

Lab File: VU036588.D

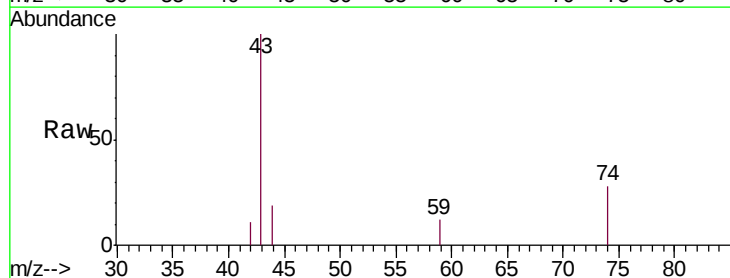
Acq: 29 Jan 2020 12:57

Tgt Ion: 43 Resp: 1978

Ion Ratio Lower Upper

43 100

74 27.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VU036588.D (-513) (-)

Ion 74.00 (73.70 to 74.70): VU036588.D (-513) (-)

2.99

1200

1000

800

600

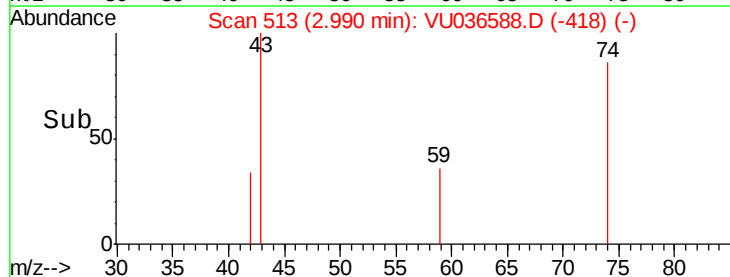
400

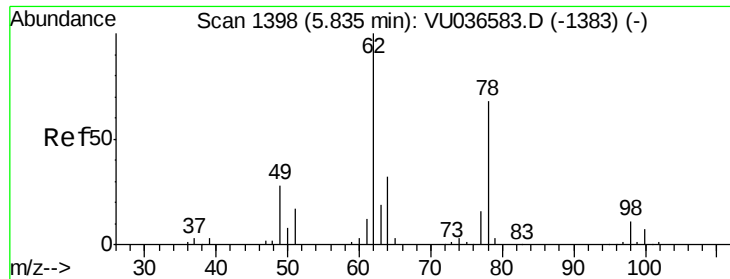
200

0

2.95 3.00

Time-->

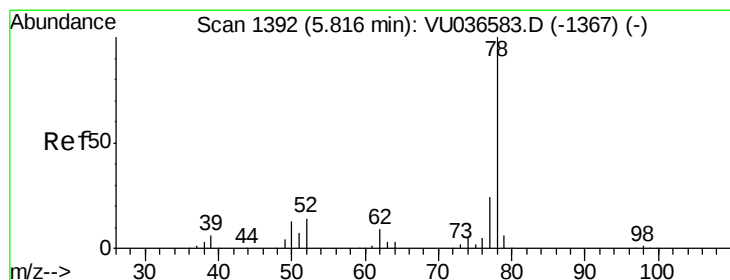
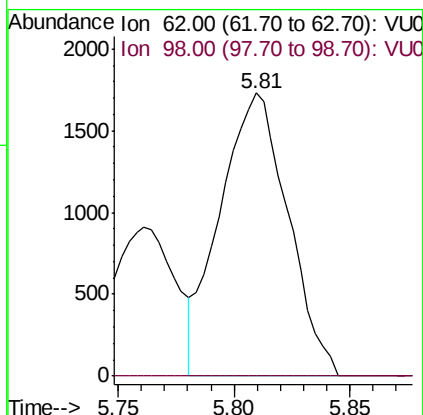
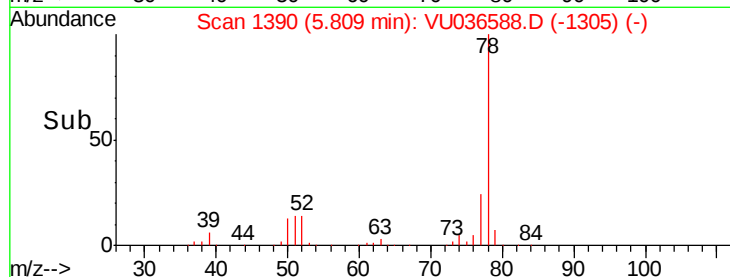
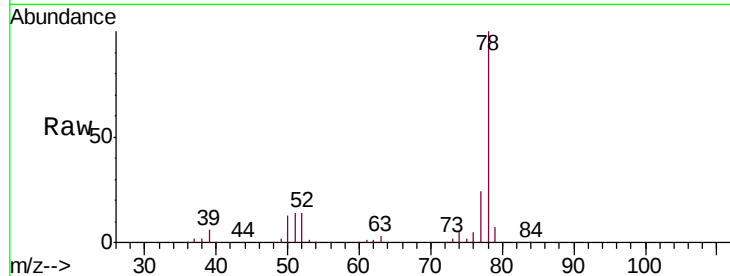




#27
1,2-Dichloroethane
Concen: 1.279 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.03 min
Lab File: VU036588.D
Acq: 29 Jan 2020 12:57

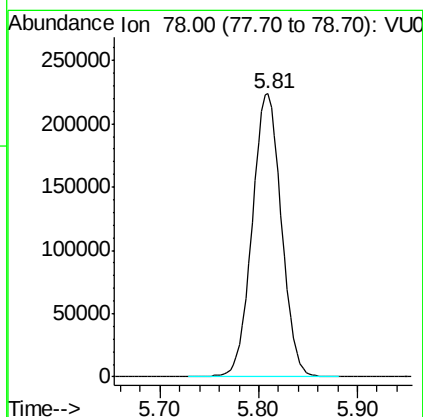
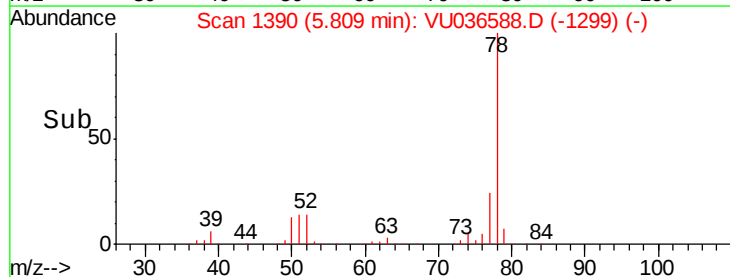
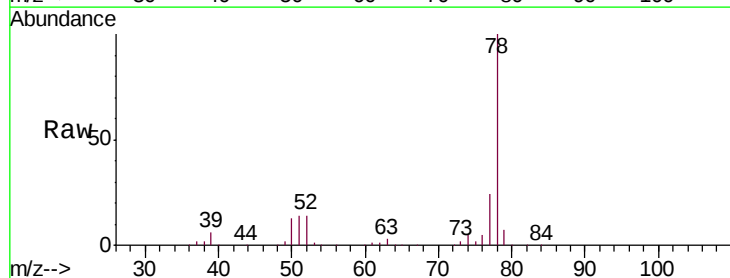
Instrument :
MSVOA_U
ClientSampleId :
GASZ4MS

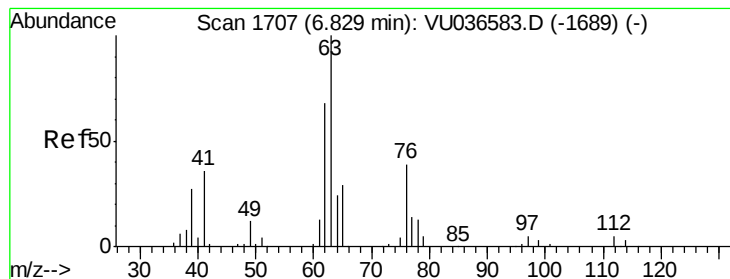
Tgt Ion: 62 Resp: 3523
Ion Ratio Lower Upper
62 100
98 0.0 8.4 12.6#



#33
Benzene
Concen: 50.413 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VU036588.D
Acq: 29 Jan 2020 12:57

Tgt Ion: 78 Resp: 455203





#37

1,2-Dichloropropane

Concen: 4.834 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.10 min

Lab File: VU036588.D

Acq: 29 Jan 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

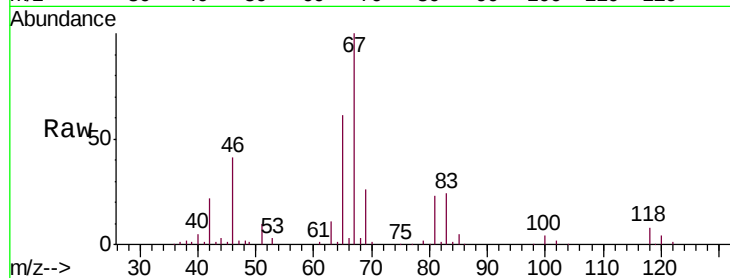
GASZ4MS

Tgt Ion: 63 Resp: 11093

Ion Ratio Lower Upper

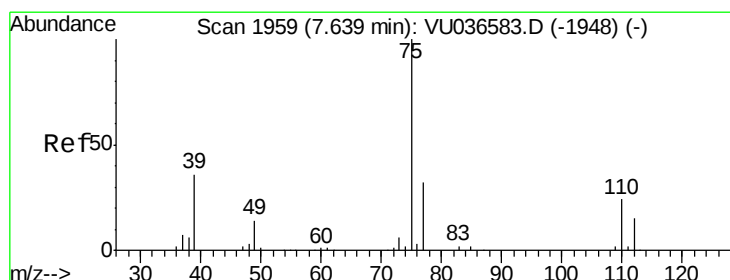
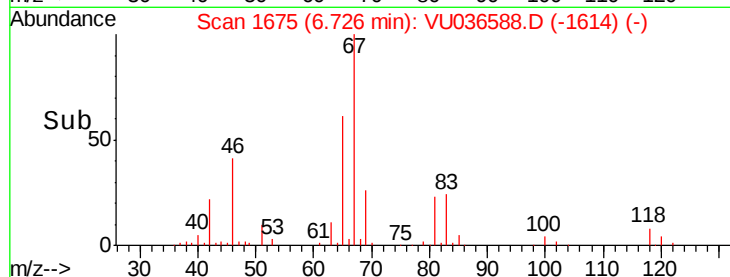
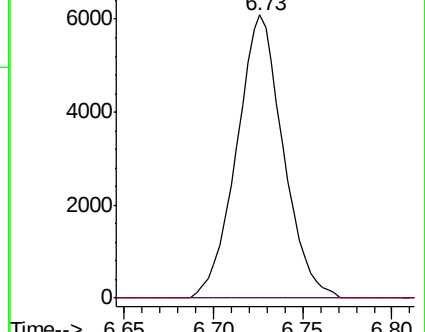
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU036583.D (-1689) (-)

Ion 112.00 (111.70 to 112.70): VU036583.D (-1689) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.807 ug/L

RT: 7.60 min Scan# 1946

Delta R.T. -0.04 min

Lab File: VU036588.D

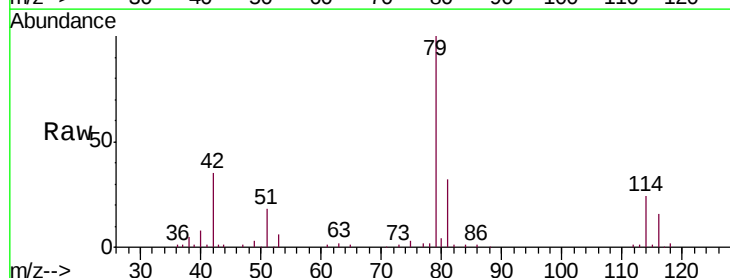
Acq: 29 Jan 2020 12:57

Tgt Ion: 75 Resp: 2984

Ion Ratio Lower Upper

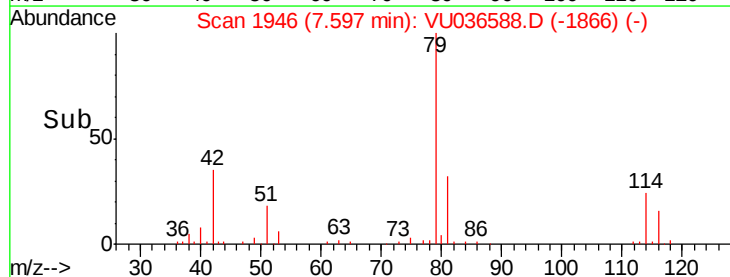
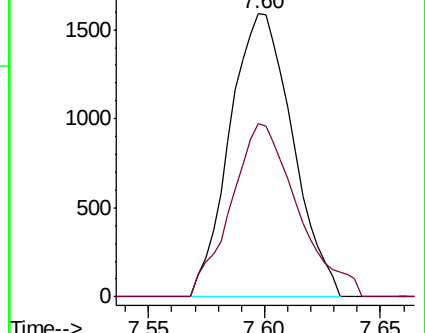
75 100

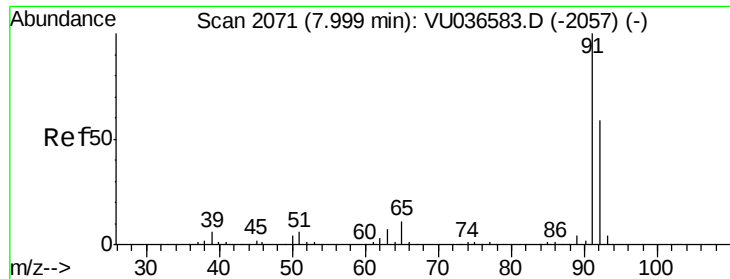
77 61.2 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VU036583.D (-1948) (-)

Ion 77.00 (76.70 to 77.70): VU036583.D (-1948) (-)





#42

Toluene

Concen: 133.155 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036588.D

Acq: 29 Jan 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

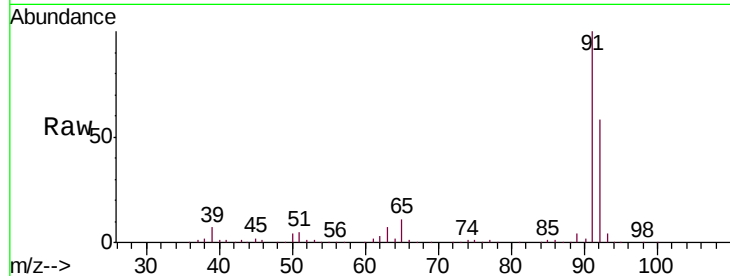
GASZ4MS

Tgt Ion: 91 Resp: 1306866

Ion Ratio Lower Upper

91 100

92 58.1 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036583.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036583.D (-2057) (-)

8.00

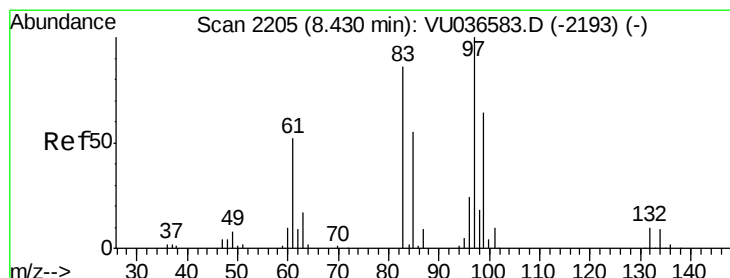
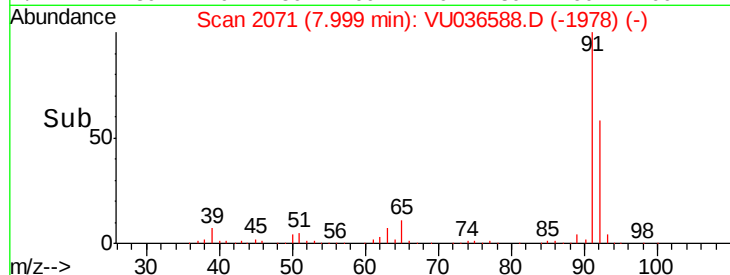
600000

400000

200000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 1.641 ug/L

RT: 8.30 min Scan# 2165

Delta R.T. -0.13 min

Lab File: VU036588.D

Acq: 29 Jan 2020 12:57

Tgt Ion: 97 Resp: 3778

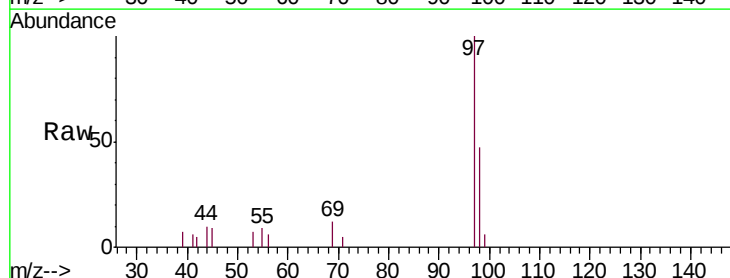
Ion Ratio Lower Upper

97 100

99 5.6 44.1 81.9#

83 0.0 61.2 113.6#

85 0.0 39.2 72.8#



Abundance Ion 97.00 (96.70 to 97.70): VU036583.D (-2193) (-)

Ion 99.00 (98.70 to 99.70): VU036583.D (-2193) (-)

Ion 83.00 (82.70 to 83.70): VU036583.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU036583.D (-2193) (-)

8.30

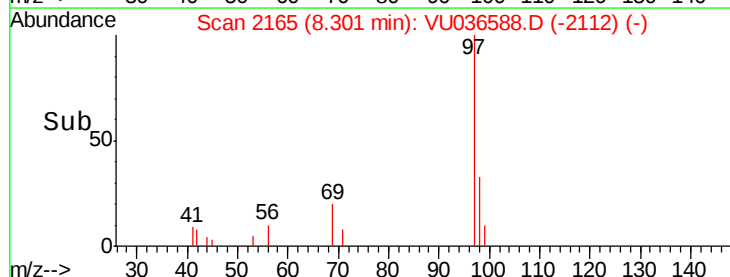
3000

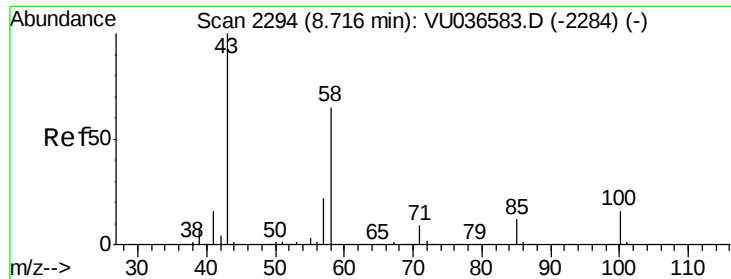
2000

1000

0

Time-->

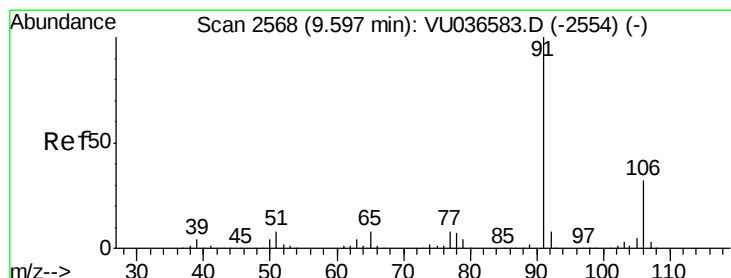
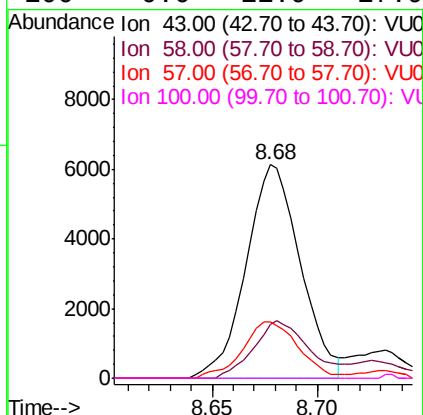
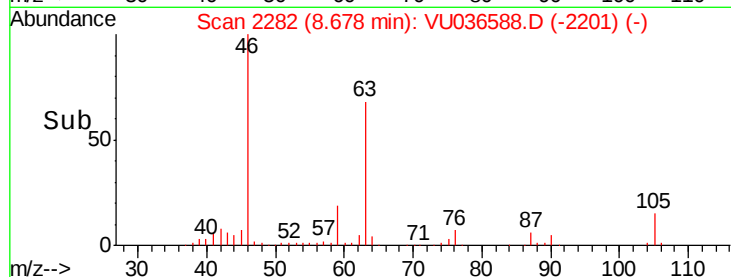
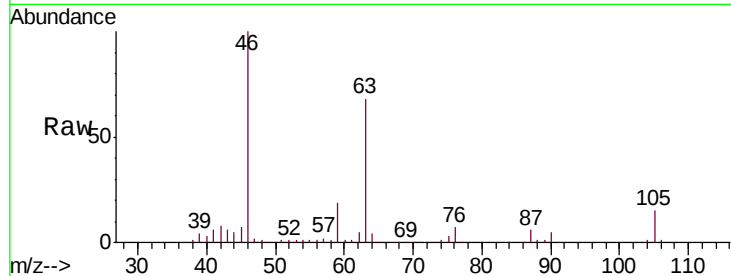




#48
2-Hexanone
Concen: 4.948 ug/L
RT: 8.68 min Scan# 2282
Delta R.T. -0.04 min
Lab File: VU036588.D
Acq: 29 Jan 2020 12:57

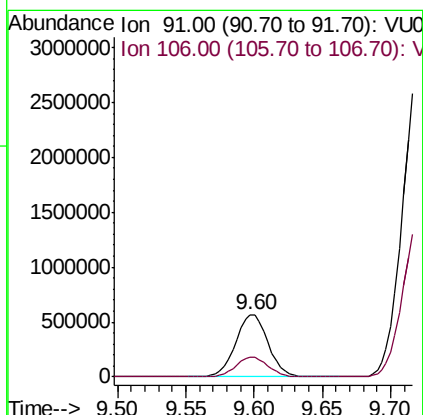
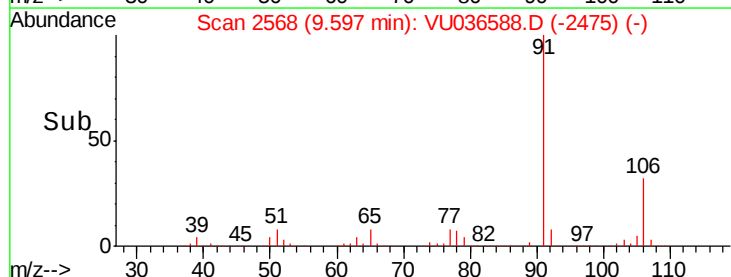
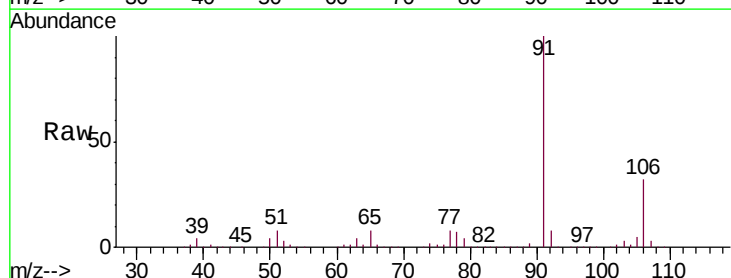
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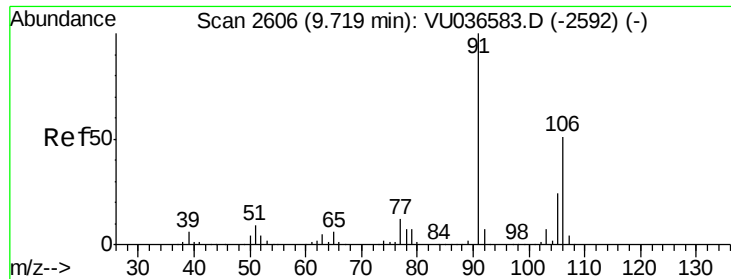
Tgt Ion: 43 Resp: 10965
Ion Ratio Lower Upper
43 100
58 27.6 49.4 74.0#
57 27.1 17.1 25.7#
100 0.0 11.9 17.9#



#52
Ethylbenzene
Concen: 86.600 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036588.D
Acq: 29 Jan 2020 12:57

Tgt Ion: 91 Resp: 931076
Ion Ratio Lower Upper
91 100
106 32.0 22.6 42.0





#53

m,p-Xylene

Concen: 580.073 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036588.D

Acq: 29 Jan 2020 12:57

Instrument :

MSVOA_U

ClientSampleId :

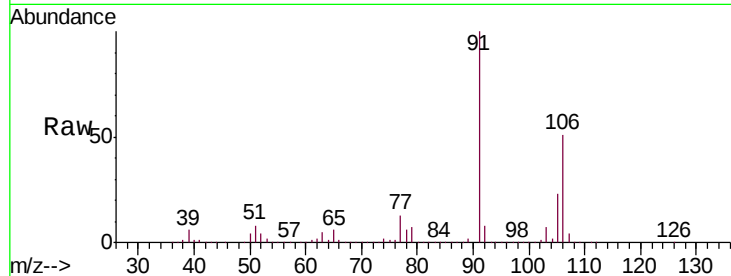
GASZ4MS

Tgt Ion:106 Resp: 2432486

Ion Ratio Lower Upper

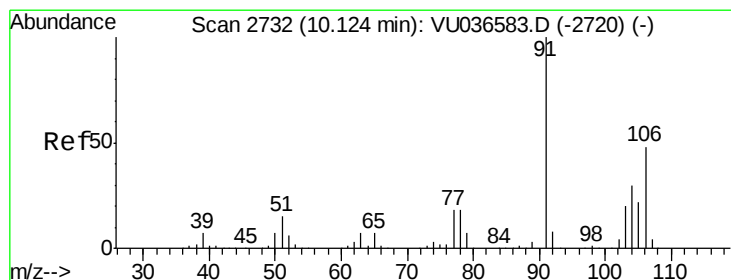
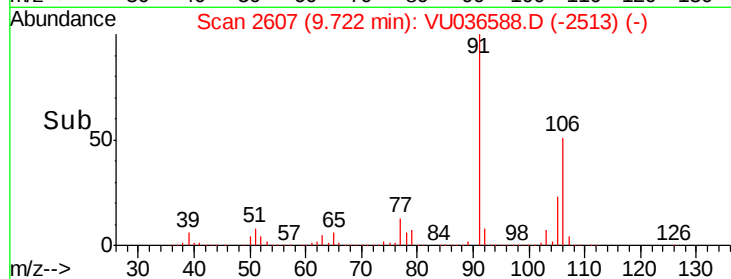
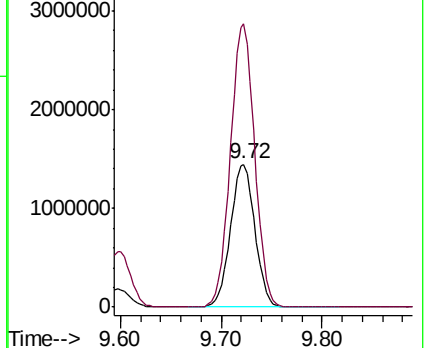
106 100

91 197.6 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 261.100 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036588.D

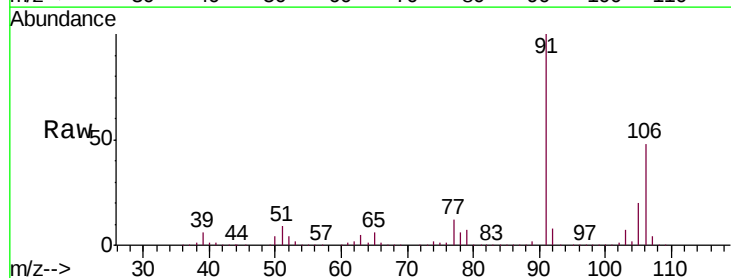
Acq: 29 Jan 2020 12:57

Tgt Ion:106 Resp: 1092138

Ion Ratio Lower Upper

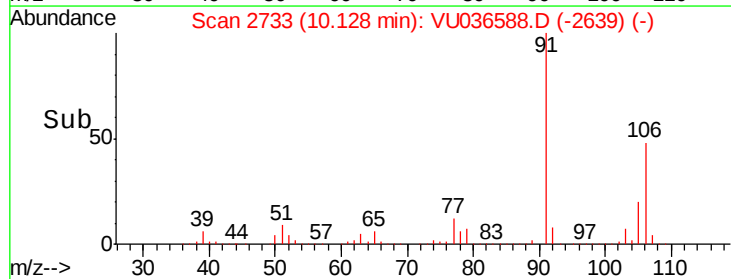
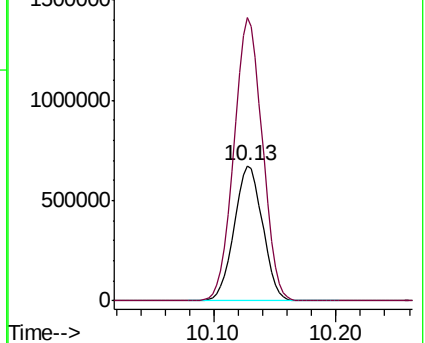
106 100

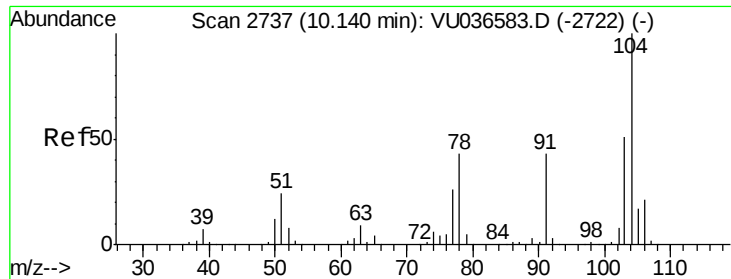
91 209.1 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

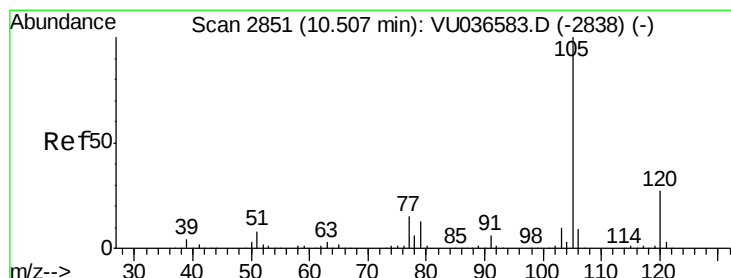
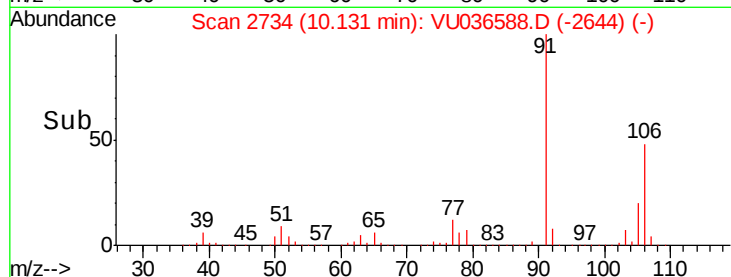
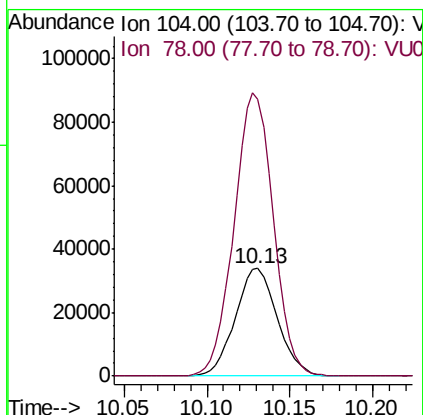
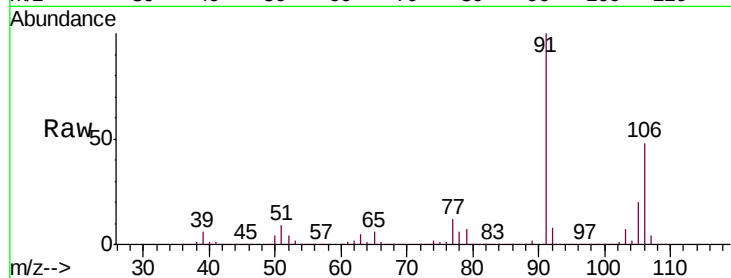




#55
Styrene
Concen: 8.842 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.01 min
Lab File: VU036588.D
Acq: 29 Jan 2020 12:57

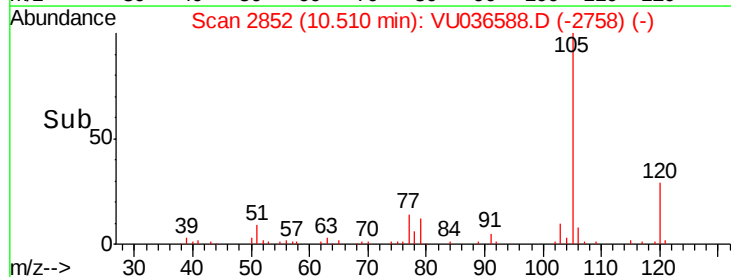
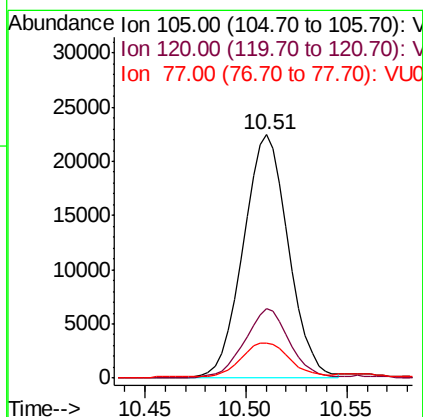
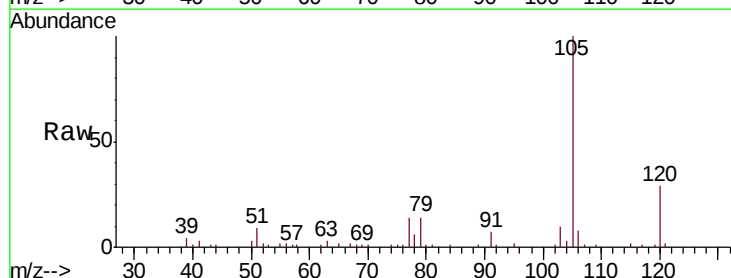
Instrument :
MSVOA_U
ClientSampleId :
GASZ4MS

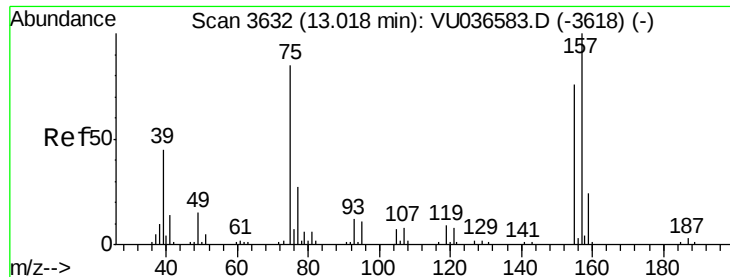
Tgt Ion:104 Resp: 60018
Ion Ratio Lower Upper
104 100
78 257.0 30.1 55.9#



#56
Isopropylbenzene
Concen: 3.311 ug/L
RT: 10.51 min Scan# 2852
Delta R.T. 0.00 min
Lab File: VU036588.D
Acq: 29 Jan 2020 12:57

Tgt Ion:105 Resp: 35213
Ion Ratio Lower Upper
105 100
120 28.2 21.6 32.4
77 15.1 11.8 17.8

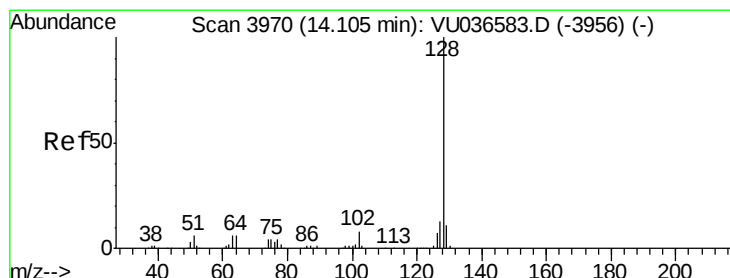
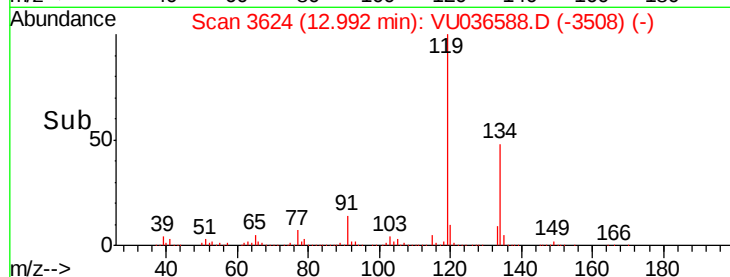
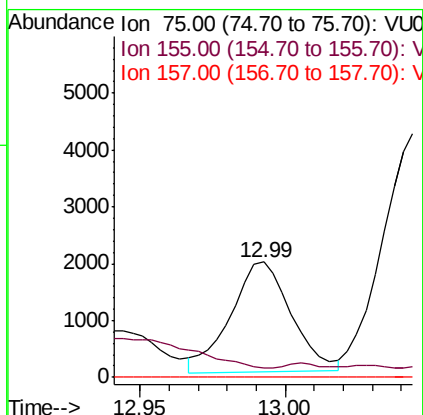
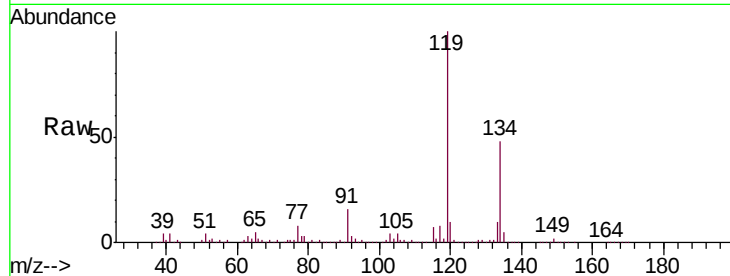




#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.104 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. -0.03 min
 Lab File: VU036588.D
 Acq: 29 Jan 2020 12:57

Instrument :
 MSVOA_U
 ClientSampleId :
 GASZ4MS

Tgt Ion: 75 Resp: 2786
 Ion Ratio Lower Upper
 75 100
 155 8.1 73.4 110.2#
 157 0.0 96.8 145.2#



#69
 Naphthalene
 Concen: 0.966 ug/L
 RT: 13.98 min Scan# 3930
 Delta R.T. -0.13 min
 Lab File: VU036588.D
 Acq: 29 Jan 2020 12:57

Tgt Ion: 128 Resp: 7590
 Ion Ratio Lower Upper
 128 100
 127 29.2 10.6 15.8#
 129 127.8 8.6 12.8#

