

Data File : VU036605.D
Acq On : 29 Jan 2020 20:09
Operator : JC/MD
Sample : L1271-03MSD
Misc : 5.06g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GASZ4MSD

Quant Time: Jan 30 02:53:16 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	6.28	114	296725	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	295822	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	162565	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86130	38.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.50%
7) Chloroethane-d5	1.89	69	21010	11.02	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	22.04%#
11) 1,1-Dichloroethene-d2	2.56	63	151480	42.15	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.30%
21) 2-Butanone-d5	4.69	46	122438	92.81	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.81%
24) Chloroform-d	5.11	84	151197	41.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.10%
26) 1,2-Dichloroethane-d4	5.74	65	98098	43.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.50%
32) Benzene-d6	5.76	84	353903	42.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.06%
36) 1,2-Dichloropropane-d6	6.73	67	111034	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.64%
41) Toluene-d8	7.93	98	349708	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	8.21	79	53731	43.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.14%
47) 2-Hexanone-d5	8.68	63	143312	119.18	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.18%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	180838	47.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.86%
64) 1,2-Dichlorobenzene-d4	12.21	152	153090	43.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.78%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.57	96	89166	48.348	ug/L 97
13) Acetone	2.68	43	2833	2.219	ug/L 91
15) Methyl Acetate	2.99	43	2144	1.074	ug/L 97
16) Methylene chloride	3.06	84	2516	1.125	ug/L 96
27) 1,2-Dichloroethane	5.81	62	9076	3.348	ug/L # 72
33) Benzene	5.81	78	1184793	133.959	ug/L 100
34) Trichloroethene	6.57	95	104802	46.036	ug/L 98
37) 1,2-Dichloropropane	6.73	63	11270	5.014	ug/L # 87
39) cis-1,3-Dichloropropene	7.60	75	3047	0.841	ug/L # 74
42) Toluene	8.00	91	2022728	210.406	ug/L 98
45) 1,1,2-Trichloroethane	8.30	97	5201	2.307	ug/L # 18
48) 2-Hexanone	8.68	43	12967	5.974	ug/L # 67
51) Chlorobenzene	9.48	112	314832	50.185	ug/L 99
52) Ethylbenzene	9.60	91	1091591	103.655	ug/L 100
53) m,p-Xylene	9.72	106	2798858	681.409	ug/L 98
54) o-xylene	10.13	106	1248752	304.789	ug/L 99
55) Styrene	10.13	104	75239	11.316	ug/L # 1

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

Data File : VU036605.D
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Operator : JC/MD
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Quant Title : VOC Analysis
QLast Update : Thu Jan 30 02:48:11 2020
Response via : Initial Calibration

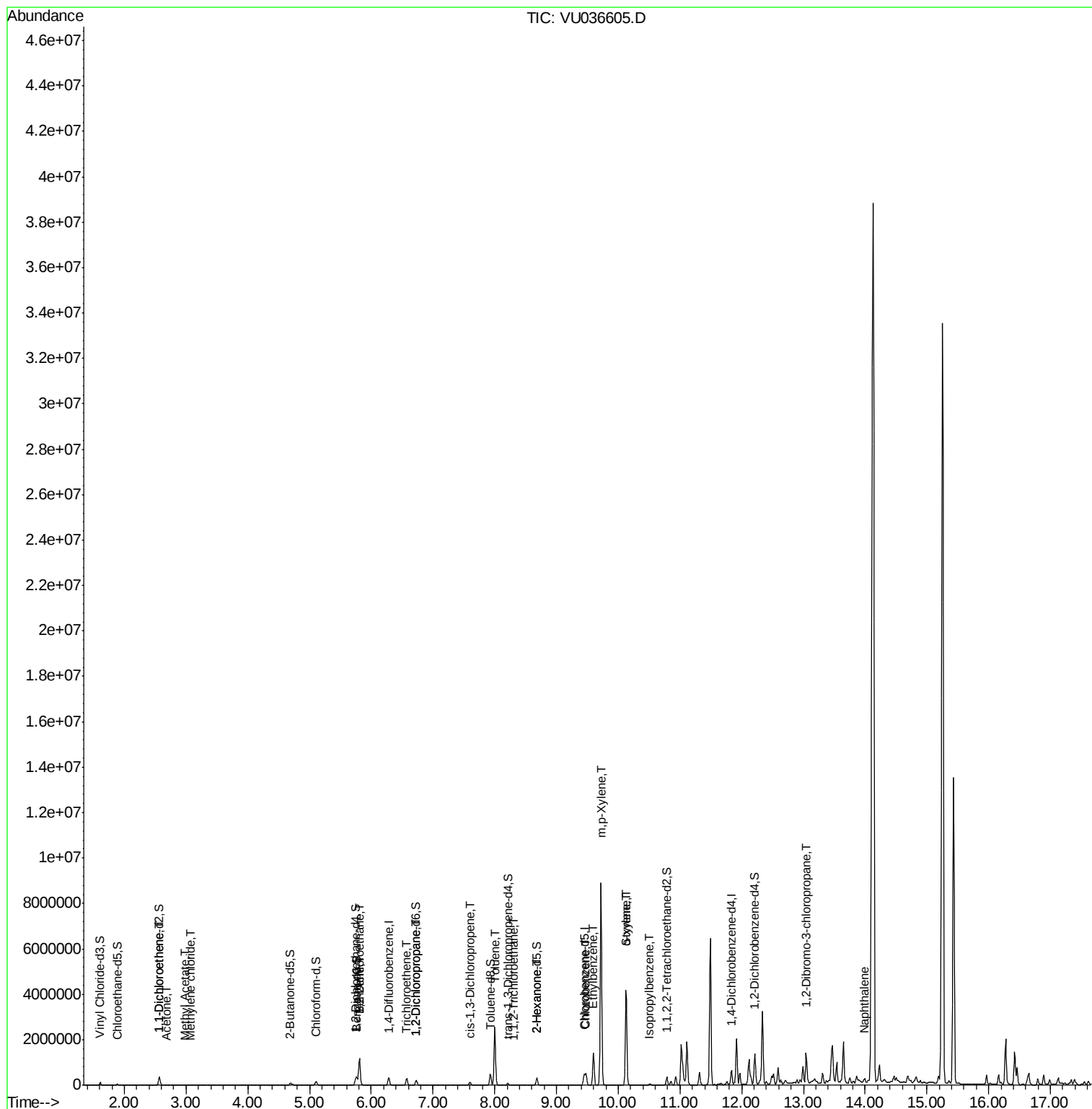
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	10.51	105	37882	3.637	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.04	75	7002	7.844	ug/L #	1
69) Naphthalene	13.98	128	7454	0.954	ug/L #	1

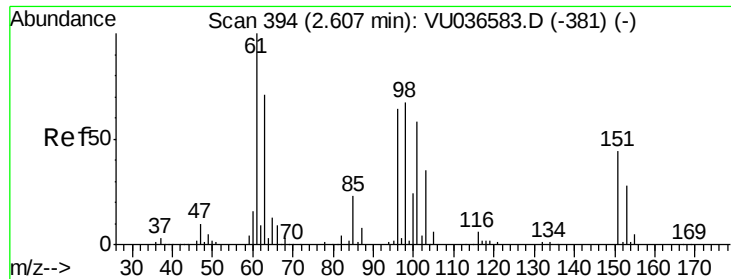
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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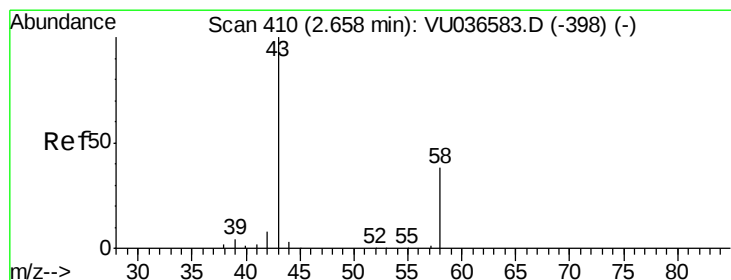
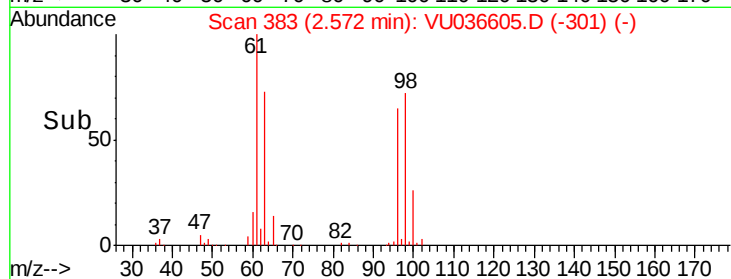
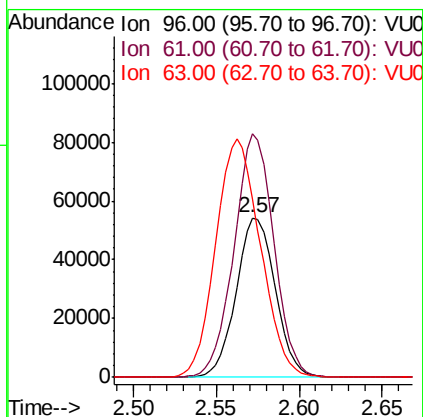
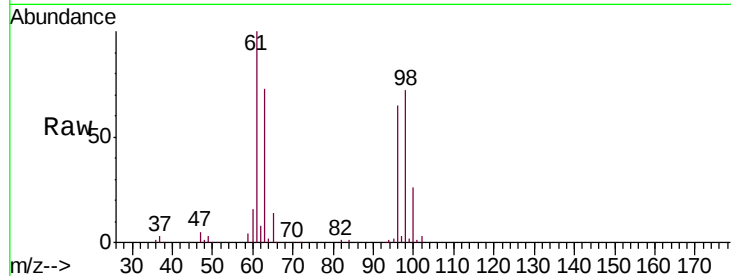




#12
 1,1-Dichloroethene
 Concen: 48.348 ug/L
 RT: 2.57 min Scan# 383
 Delta R.T. -0.03 min
 Lab File: VU036605.D
 Acq: 29 Jan 2020 20:09

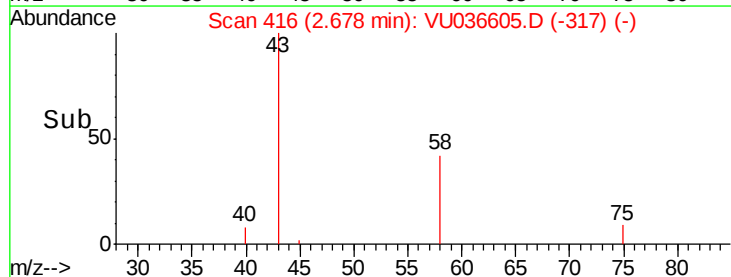
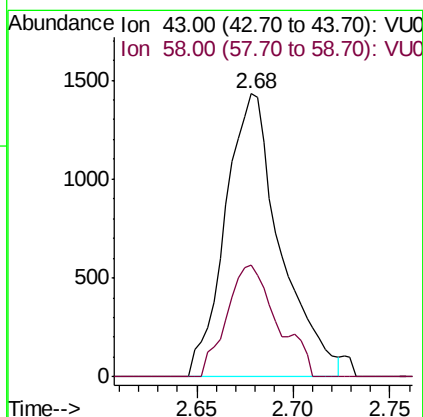
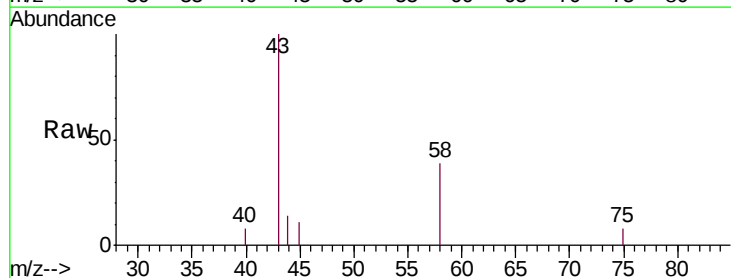
Instrument :
 MSVOA_U
 ClientSampleId :
 GASZ4MSD

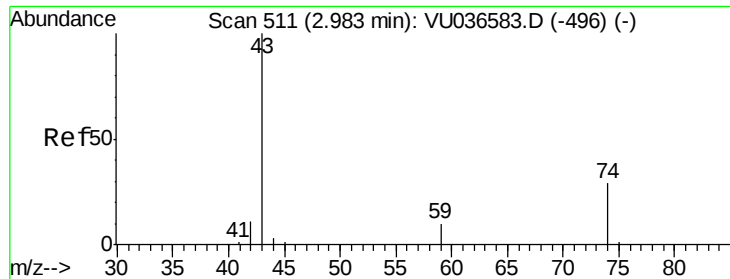
Tgt Ion: 96 Resp: 89166
 Ion Ratio Lower Upper
 96 100
 61 152.8 108.6 201.8
 63 111.6 75.0 139.2



#13
 Acetone
 Concen: 2.219 ug/L
 RT: 2.68 min Scan# 416
 Delta R.T. 0.02 min
 Lab File: VU036605.D
 Acq: 29 Jan 2020 20:09

Tgt Ion: 43 Resp: 2833
 Ion Ratio Lower Upper
 43 100
 58 32.6 0.0 75.4

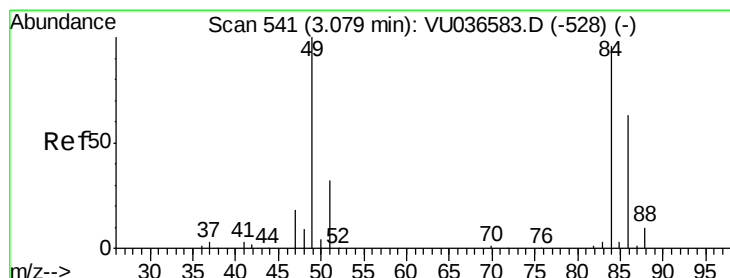
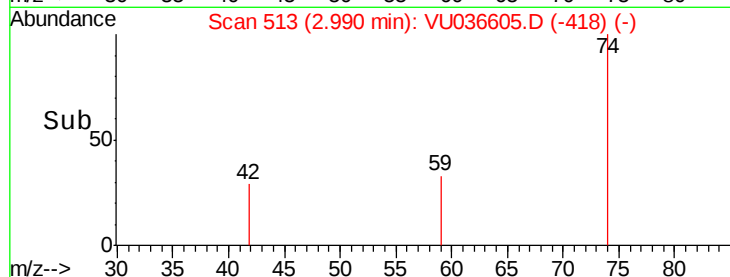
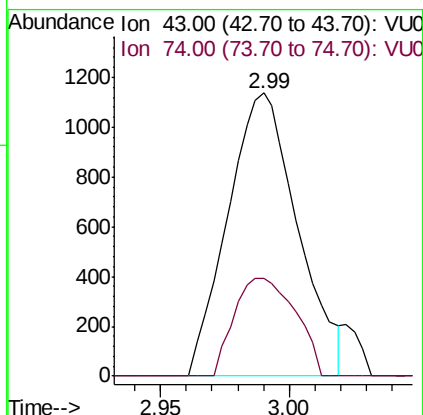
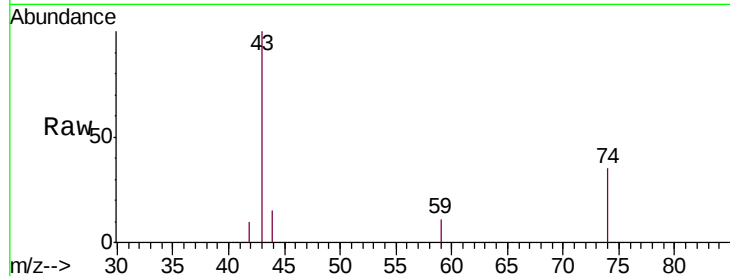




#15
Methyl Acetate
Concen: 1.074 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.01 min
Lab File: VU036605.D
Acq: 29 Jan 2020 20:09

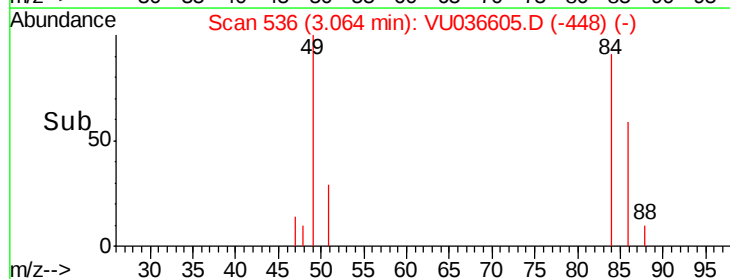
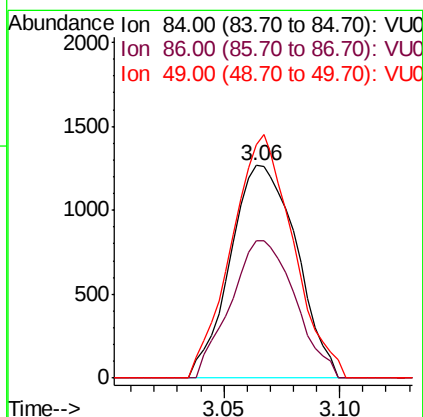
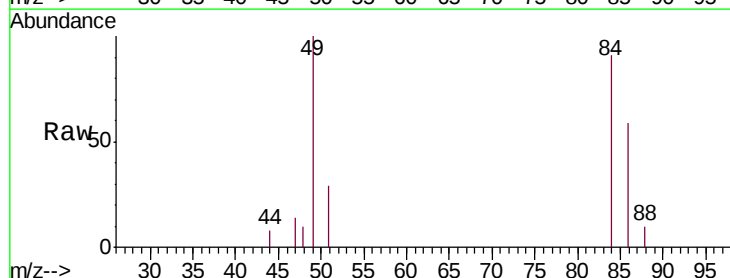
Instrument :
MSVOA_U
ClientSampleId :
GASZ4MSD

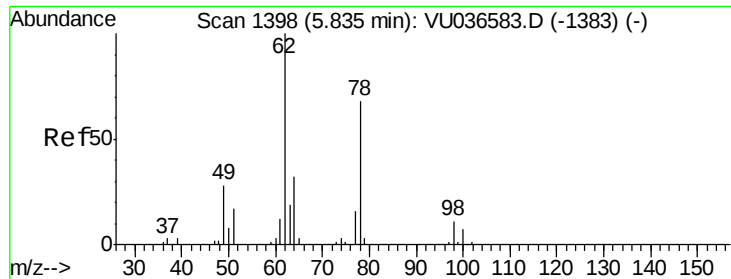
Tgt Ion: 43 Resp: 2144
Ion Ratio Lower Upper
43 100
74 30.5 23.3 34.9



#16
Methylene chloride
Concen: 1.125 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.02 min
Lab File: VU036605.D
Acq: 29 Jan 2020 20:09

Tgt Ion: 84 Resp: 2516
Ion Ratio Lower Upper
84 100
86 64.5 44.1 81.9
49 109.6 73.3 136.1

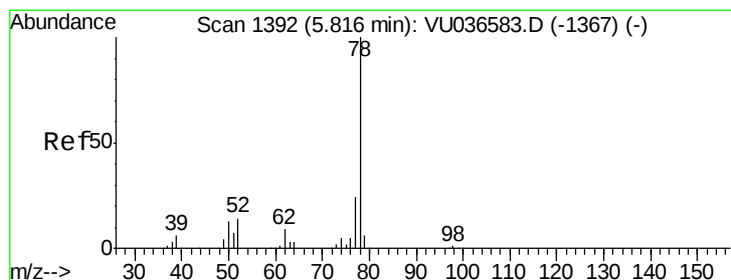
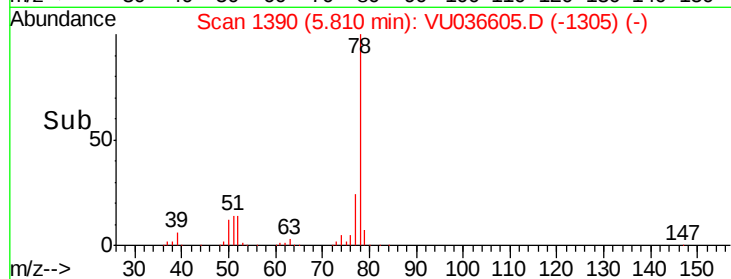
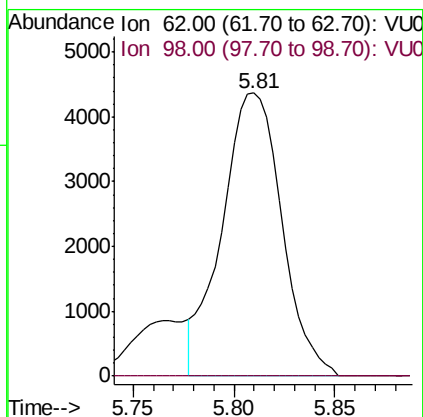
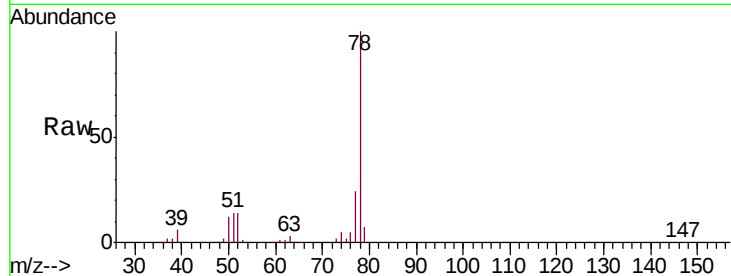




#27
 1,2-Dichloroethane
 Concen: 3.348 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.03 min
 Lab File: VU036605.D
 Acq: 29 Jan 2020 20:09

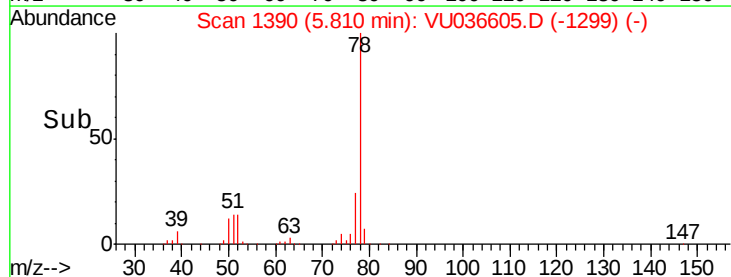
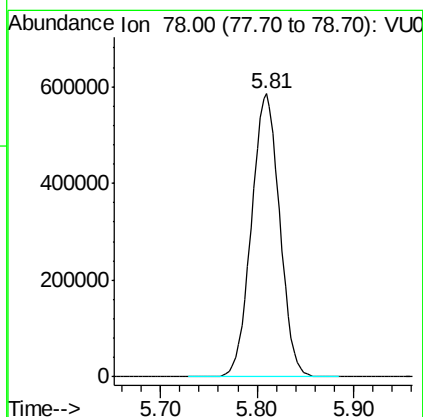
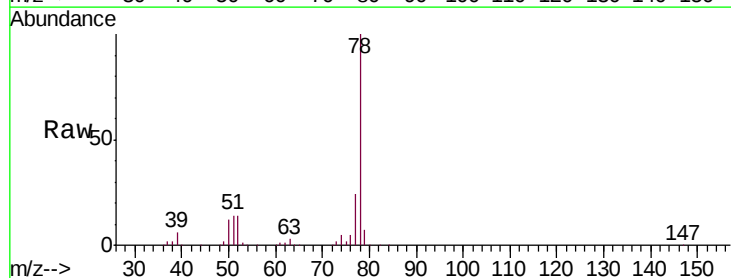
Instrument :
 MSVOA_U
 ClientSampleId :
 GASZ4MSD

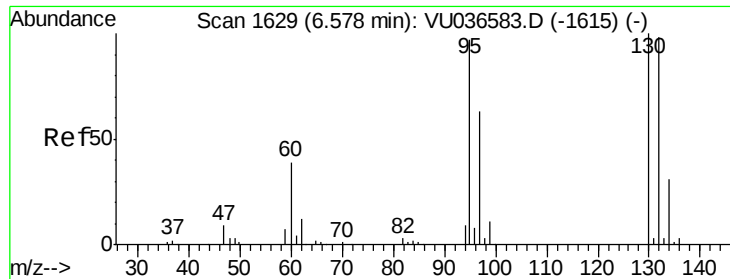
Tgt Ion: 62 Resp: 9076
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.4 12.6#



#33
 Benzene
 Concen: 133.959 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VU036605.D
 Acq: 29 Jan 2020 20:09

Tgt Ion: 78 Resp: 1184793





#34

Trichloroethene

Concen: 46.036 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036605.D

Acq: 29 Jan 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

GASZ4MSD

Tgt Ion: 95 Resp: 104802

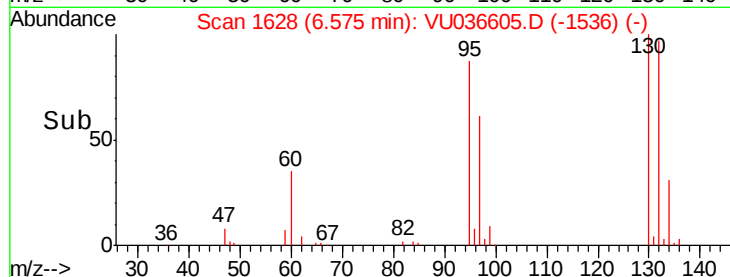
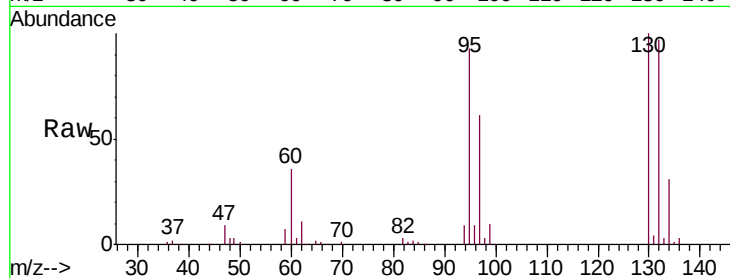
Ion Ratio Lower Upper

95 100

97 65.1 45.5 84.5

132 103.4 70.9 131.7

130 107.2 72.9 135.3

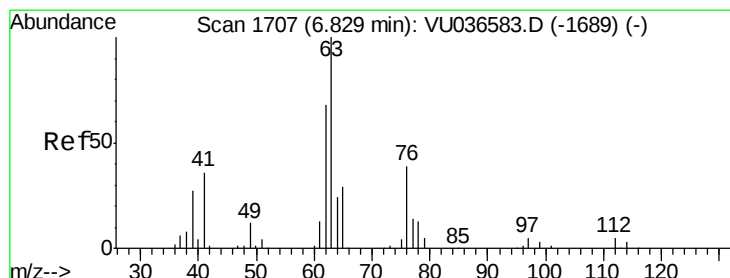
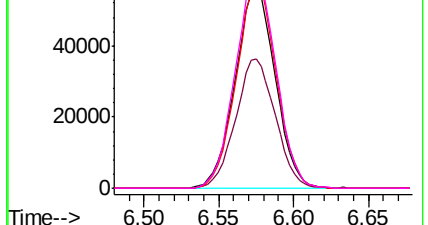


Abundance Ion 95.00 (94.70 to 95.70): VU036605.D (-1536) (-)

Ion 97.00 (96.70 to 97.70): VU036605.D (-1536) (-)

Ion 132.00 (131.70 to 132.70): VU036605.D (-1536) (-)

Ion 130.00 (129.70 to 130.70): VU036605.D (-1536) (-)



#37

1,2-Dichloropropane

Concen: 5.014 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036605.D

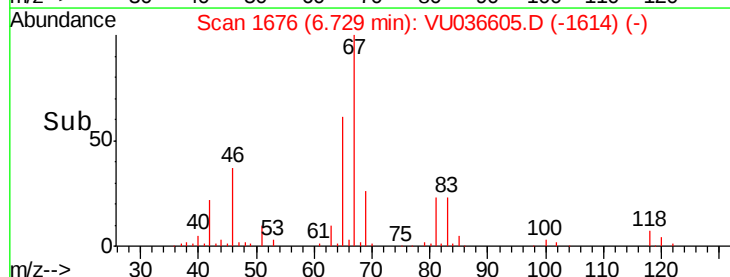
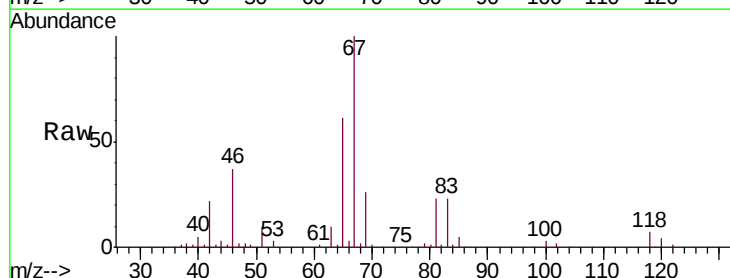
Acq: 29 Jan 2020 20:09

Tgt Ion: 63 Resp: 11270

Ion Ratio Lower Upper

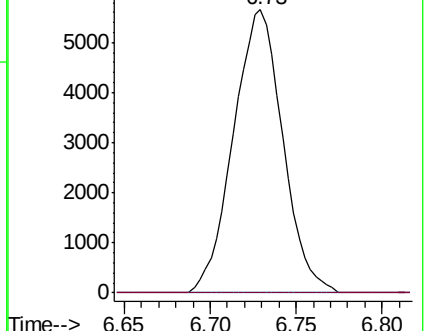
63 100

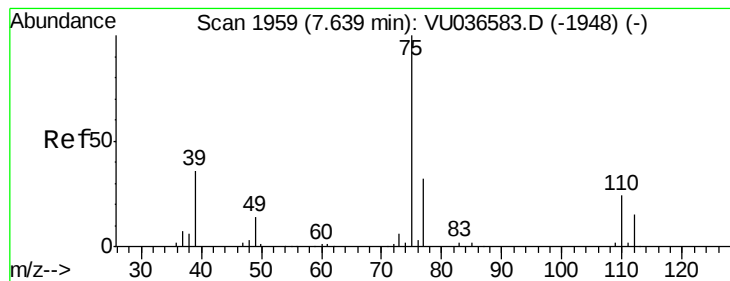
112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU036605.D (-1614) (-)

Ion 112.00 (111.70 to 112.70): VU036605.D (-1614) (-)



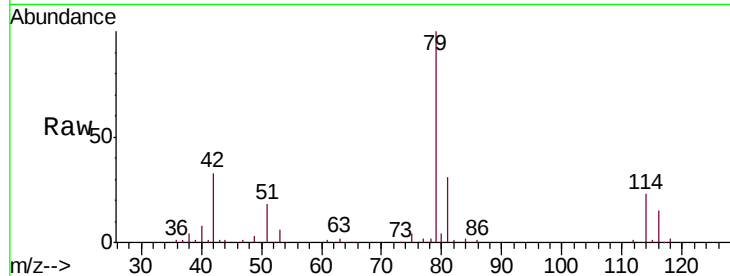


#39

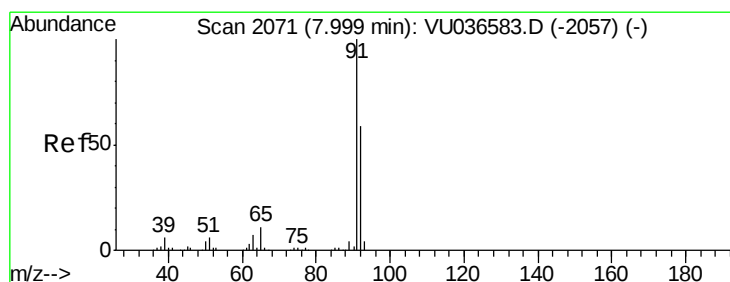
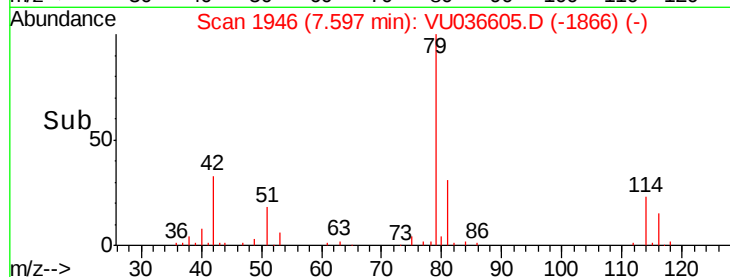
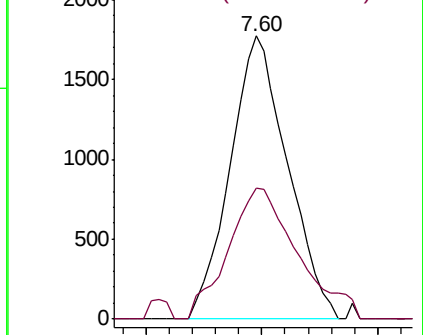
cis-1,3-Dichloropropene
Concen: 0.841 ug/L
RT: 7.60 min Scan# 1946
Delta R.T. -0.04 min
Lab File: VU036605.D
Acq: 29 Jan 2020 20:09

Instrument :
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Tgt Ion: 75 Resp: 3047
Ion Ratio Lower Upper
75 100
77 46.5 22.5 41.9#



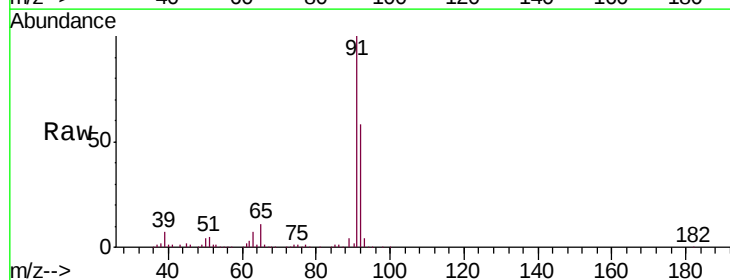
Abundance Ion 75.00 (74.70 to 75.70): VU036605.D (-1866) (-)
Ion 77.00 (76.70 to 77.70): VU036605.D (-1866) (-)



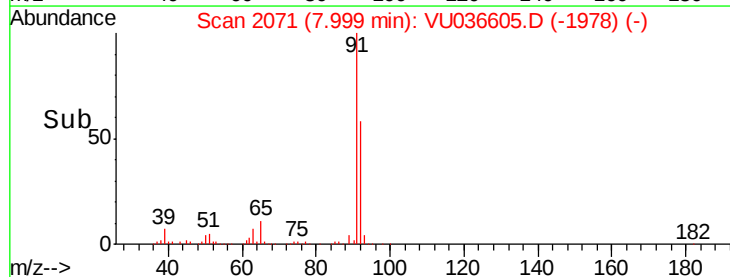
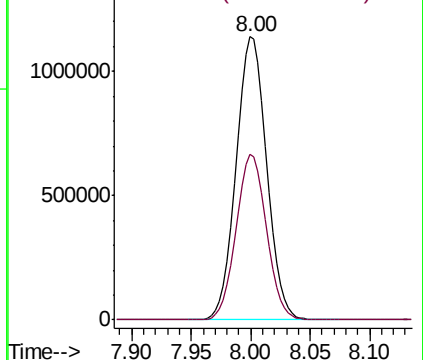
#42

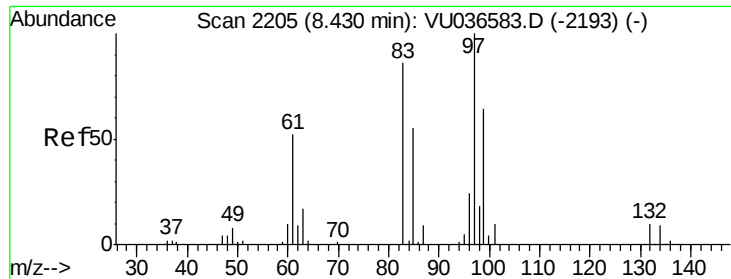
Toluene
Concen: 210.406 ug/L
RT: 8.00 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VU036605.D
Acq: 29 Jan 2020 20:09

Tgt Ion: 91 Resp: 2022728
Ion Ratio Lower Upper
91 100
92 58.3 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU036605.D (-1978) (-)
Ion 92.00 (91.70 to 92.70): VU036605.D (-1978) (-)

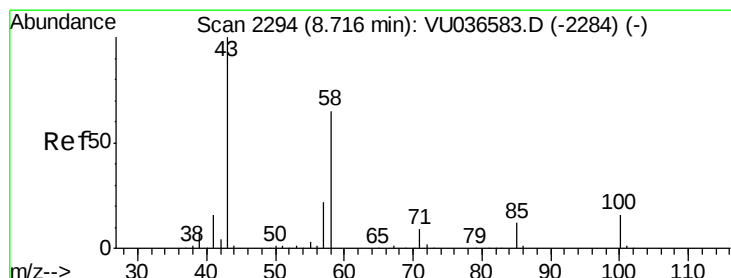
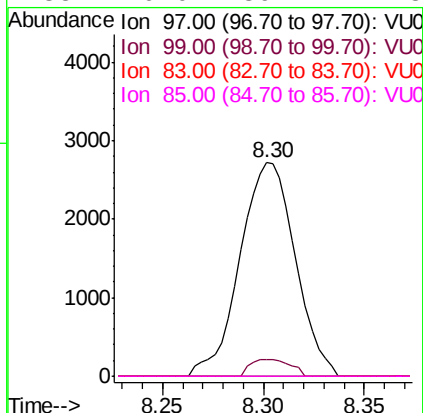
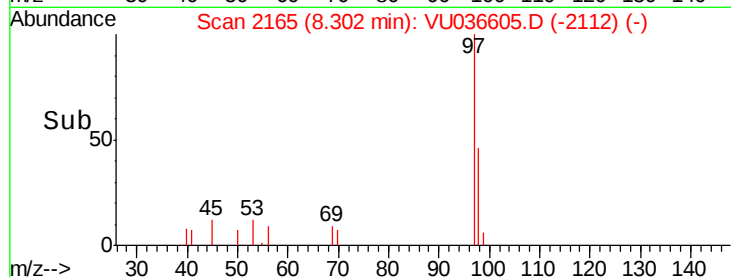
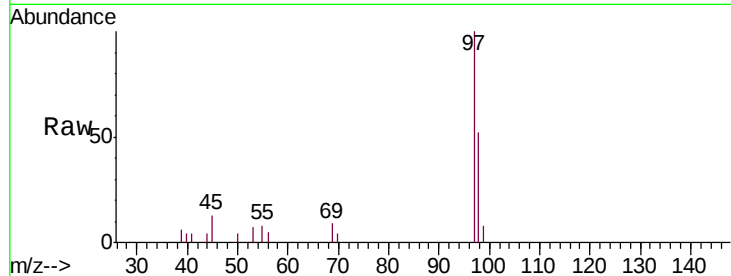




#45
 1,1,2-Trichloroethane
 Concen: 2.307 ug/L
 RT: 8.30 min Scan# 2165
 Delta R.T. -0.13 min
 Lab File: VU036605.D
 Acq: 29 Jan 2020 20:09

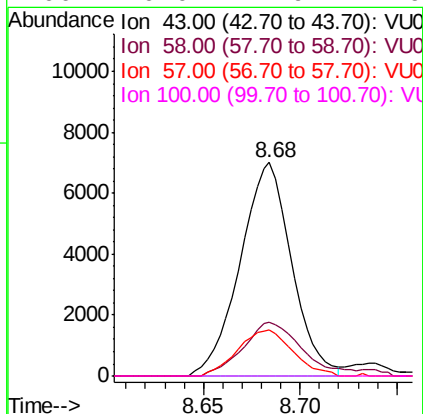
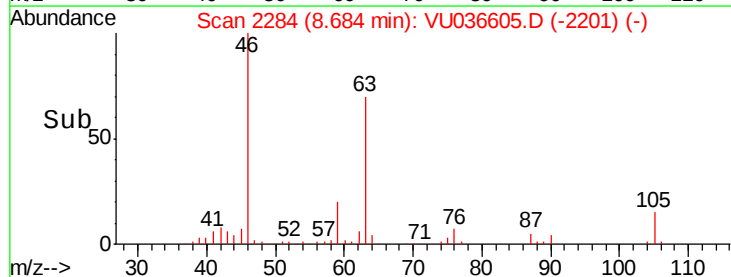
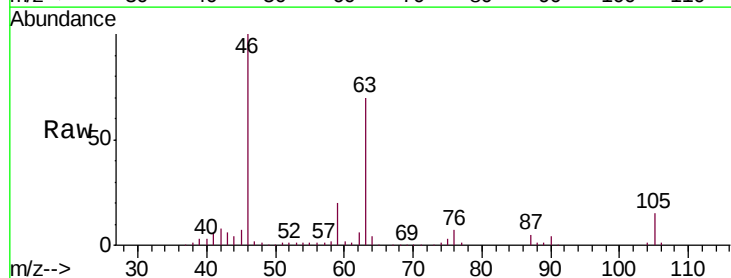
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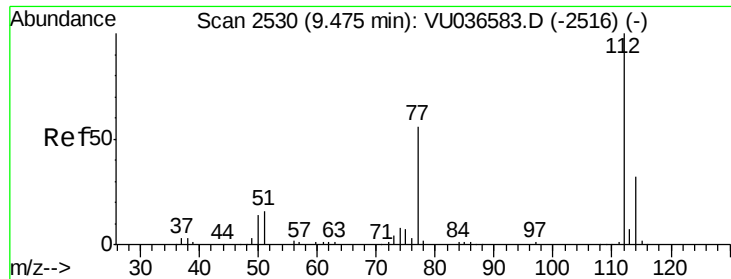
Tgt Ion:	97	Resp:	5201
Ion	Ratio	Lower	Upper
97	100		
99	7.8	44.1	81.9#
83	0.0	61.2	113.6#
85	0.0	39.2	72.8#



#48
 2-Hexanone
 Concen: 5.974 ug/L
 RT: 8.68 min Scan# 2284
 Delta R.T. -0.03 min
 Lab File: VU036605.D
 Acq: 29 Jan 2020 20:09

Tgt Ion:	43	Resp:	12967
Ion	Ratio	Lower	Upper
43	100		
58	28.7	49.4	74.0#
57	23.0	17.1	25.7
100	0.0	11.9	17.9#

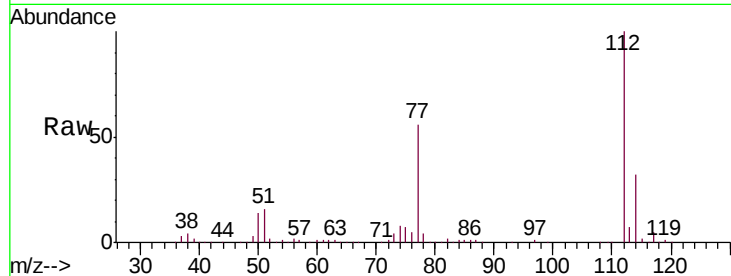




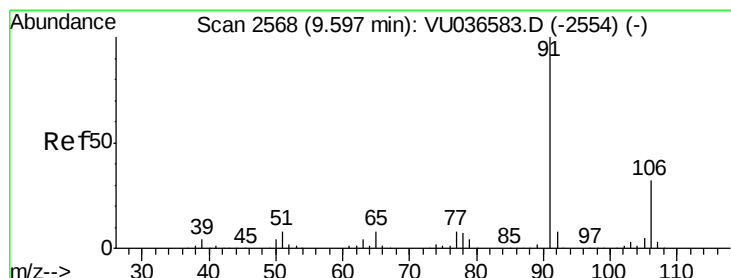
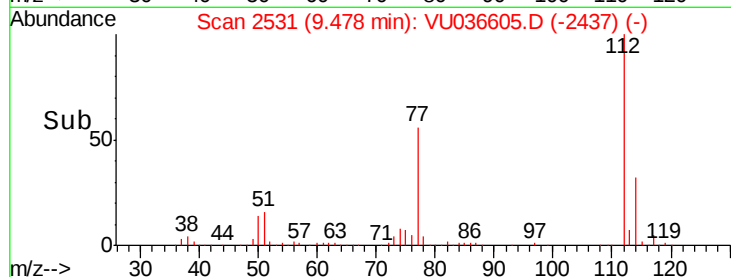
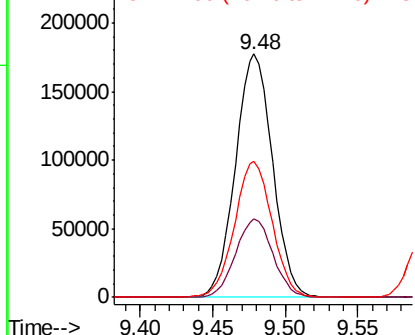
#51
Chlorobenzene
Concen: 50.185 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036605.D
Acq: 29 Jan 2020 20:09

Instrument :
MSVOA_U
ClientSampleId :
GASZ4MSD

Tgt Ion: 112 Resp: 314832
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 56.1 45.7 68.5

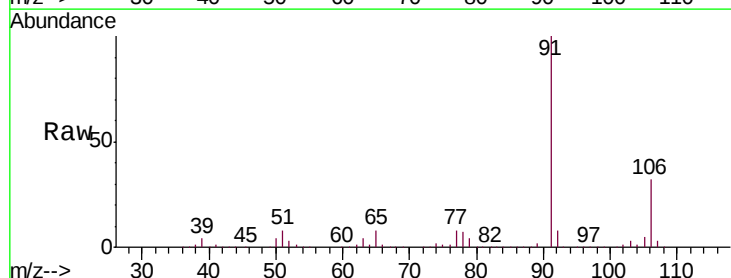


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

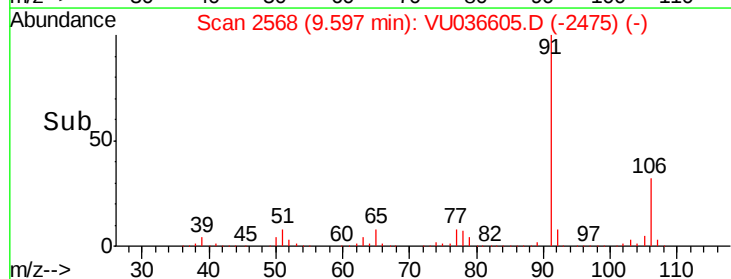
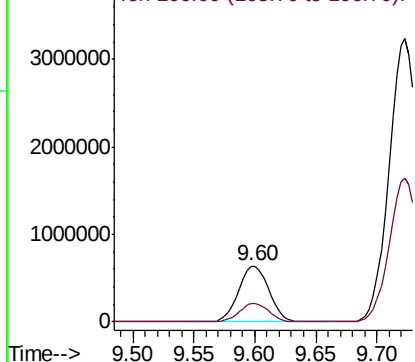


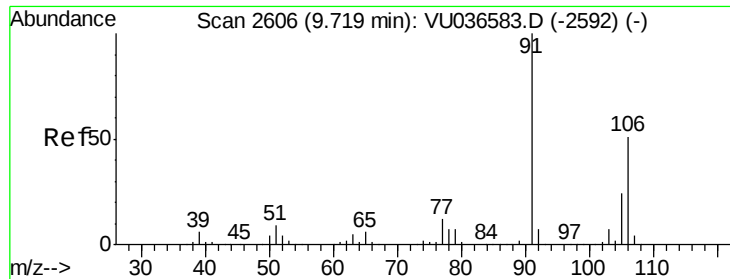
#52
Ethylbenzene
Concen: 103.655 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036605.D
Acq: 29 Jan 2020 20:09

Tgt Ion: 91 Resp: 1091591
Ion Ratio Lower Upper
91 100
106 32.4 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 681.409 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036605.D

Acq: 29 Jan 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

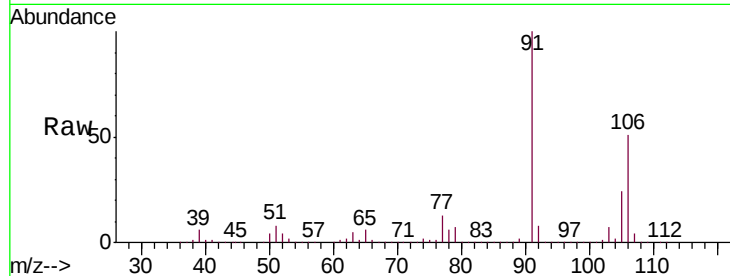
GASZ4MSD

Tgt Ion:106 Resp: 2798858

Ion Ratio Lower Upper

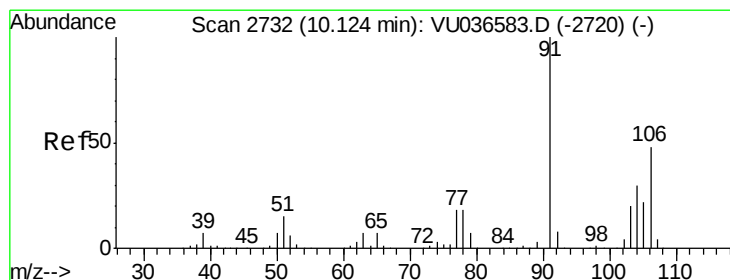
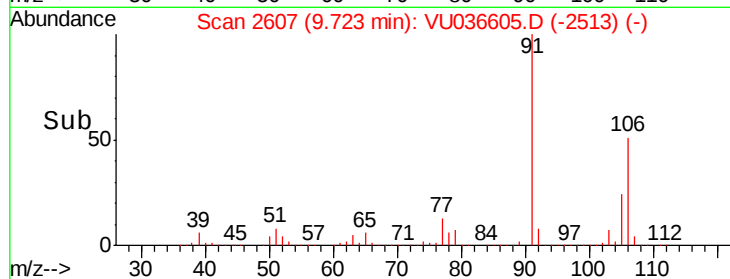
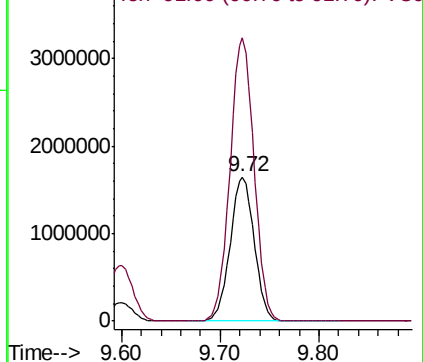
106 100

91 196.2 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 304.789 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036605.D

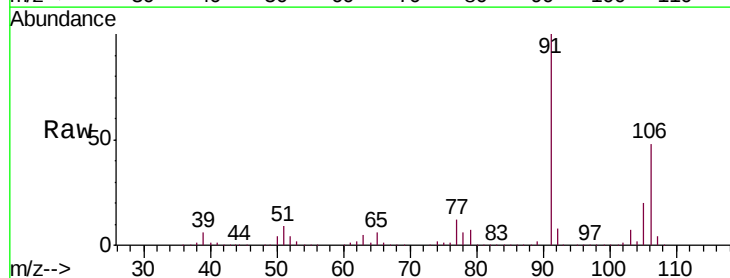
Acq: 29 Jan 2020 20:09

Tgt Ion:106 Resp: 1248752

Ion Ratio Lower Upper

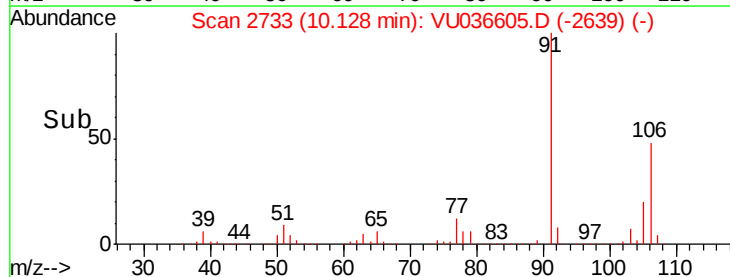
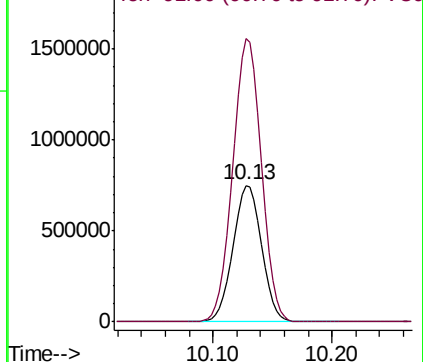
106 100

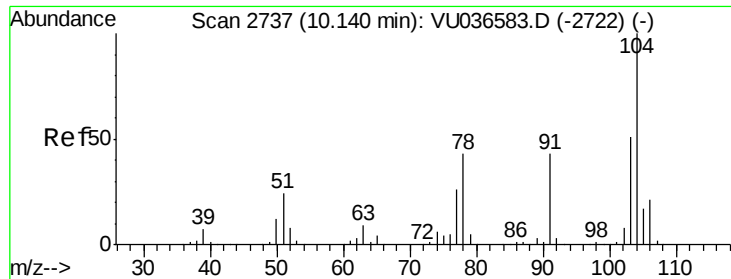
91 207.0 145.9 271.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 11.316 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.01 min

Lab File: VU036605.D

Acq: 29 Jan 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

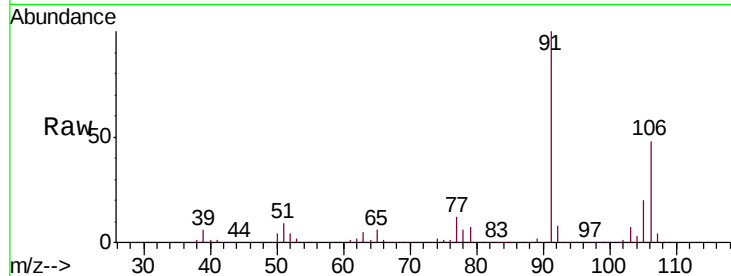
GASZ4MSD

Tgt Ion:104 Resp: 75239

Ion Ratio Lower Upper

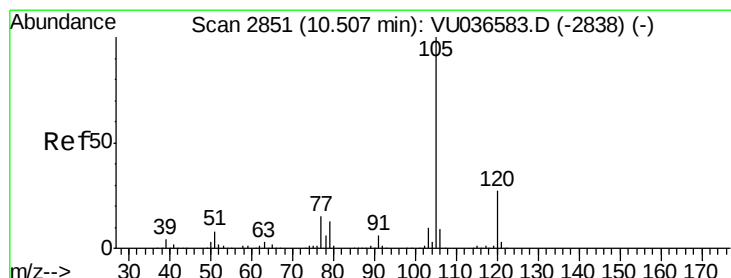
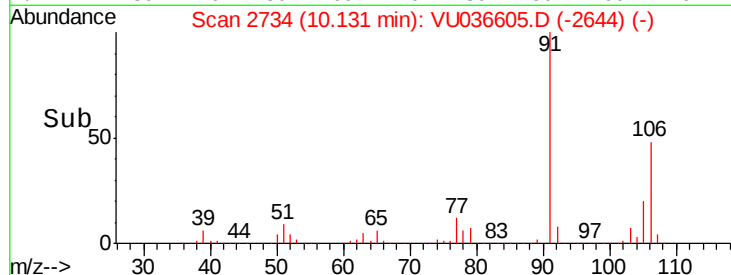
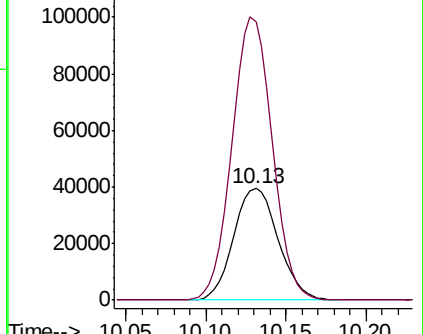
104 100

78 249.8 30.1 55.9#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 3.637 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036605.D

Acq: 29 Jan 2020 20:09

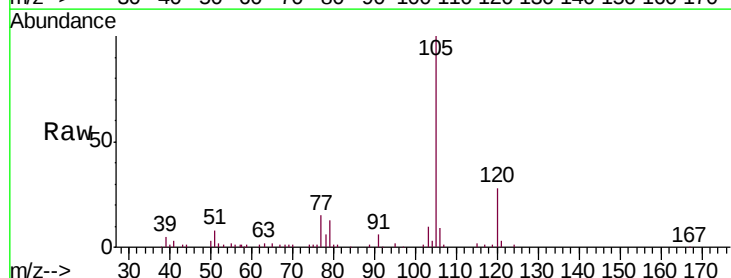
Tgt Ion:105 Resp: 37882

Ion Ratio Lower Upper

105 100

120 27.7 21.6 32.4

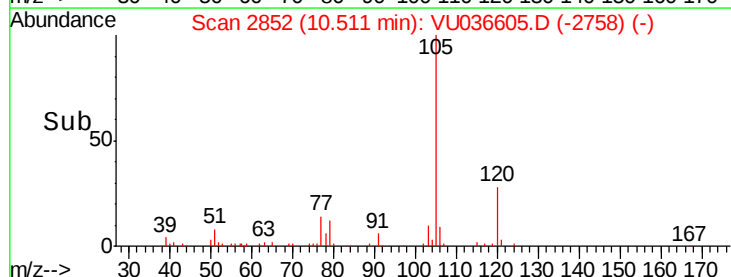
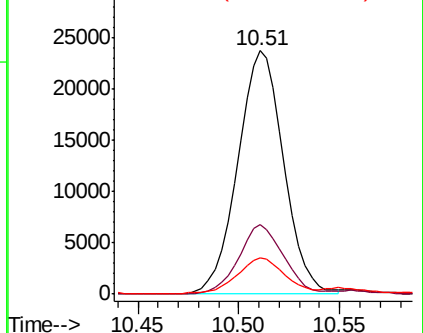
77 15.7 11.8 17.8

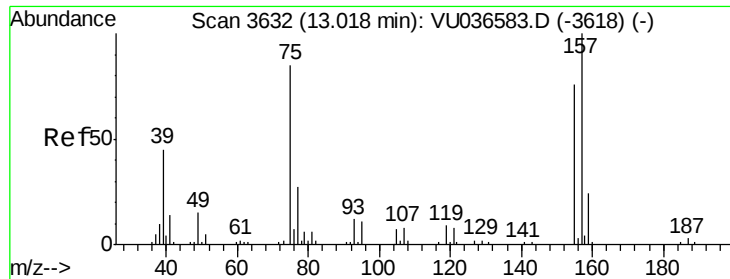


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#66

1,2-Dibromo-3-chloropropane

Concen: 7.844 ug/L

RT: 13.04 min Scan# 3640

Delta R.T. 0.03 min

Lab File: VU036605.D

Acq: 29 Jan 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

GASZ4MSD

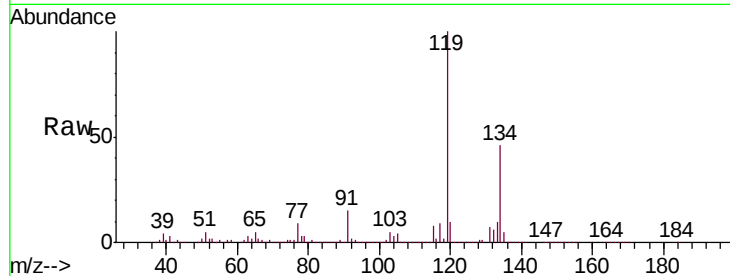
Tgt Ion: 75 Resp: 7002

Ion Ratio Lower Upper

75 100

155 3.8 73.4 110.2#

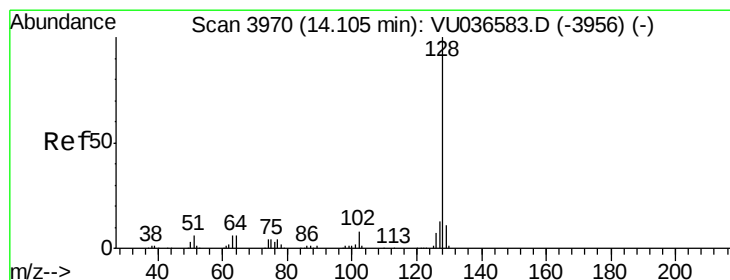
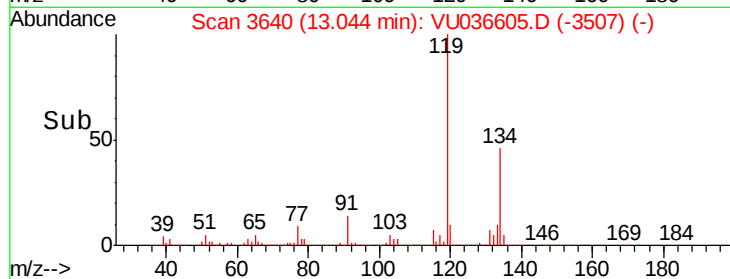
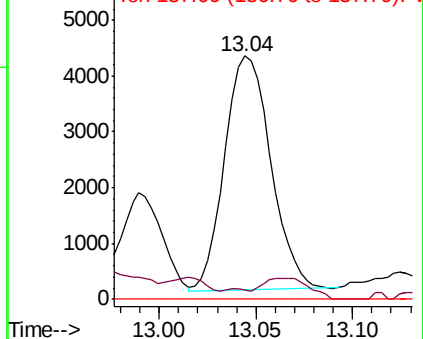
157 0.0 96.8 145.2#



Abundance Ion 75.00 (74.70 to 75.70): VU036605.D (-3507) (-)

Ion 155.00 (154.70 to 155.70): VU036605.D (-3507) (-)

Ion 157.00 (156.70 to 157.70): VU036605.D (-3507) (-)



#69

Naphthalene

Concen: 0.954 ug/L

RT: 13.98 min Scan# 3930

Delta R.T. -0.13 min

Lab File: VU036605.D

Acq: 29 Jan 2020 20:09

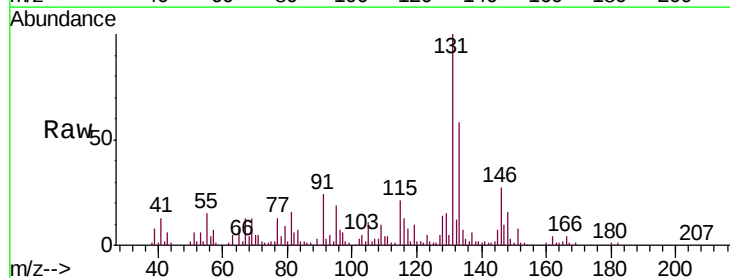
Tgt Ion: 128 Resp: 7454

Ion Ratio Lower Upper

128 100

127 28.1 10.6 15.8#

129 109.5 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU036605.D (-3348) (-)

Ion 127.00 (126.70 to 127.70): VU036605.D (-3348) (-)

Ion 129.00 (128.70 to 129.70): VU036605.D (-3348) (-)

