

Data File : VU031439.D
Acq On : 23 Apr 2019 15:36
Operator : JC/SP
Sample : K2481-17
Misc : 5.08g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHX0

Quant Time: Apr 24 06:05:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	807299	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	758587	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	363519	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	236580	36.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.32%
7) Chloroethane-d5	1.68	69	157530	31.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	63.26%#
11) 1,1-Dichloroethene-d2	2.24	63	354043	31.11	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.22%
21) 2-Butanone-d5	4.22	46	327470	66.96	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	66.96%
24) Chloroform-d	4.64	84	413871	39.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.40%
26) 1,2-Dichloroethane-d4	5.31	65	269265	43.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.24%
32) Benzene-d6	5.33	84	908914	41.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.96%
36) 1,2-Dichloropropane-d6	6.33	67	296273	42.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.02%
41) Toluene-d8	7.56	98	821538	41.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.94%
43) trans-1,3-Dichloropropene-	7.85	79	139433	43.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.78%
47) 2-Hexanone-d5	8.35	63	333398	94.36	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.36%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	386186	40.37	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	306065	41.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.38%

Target Compounds

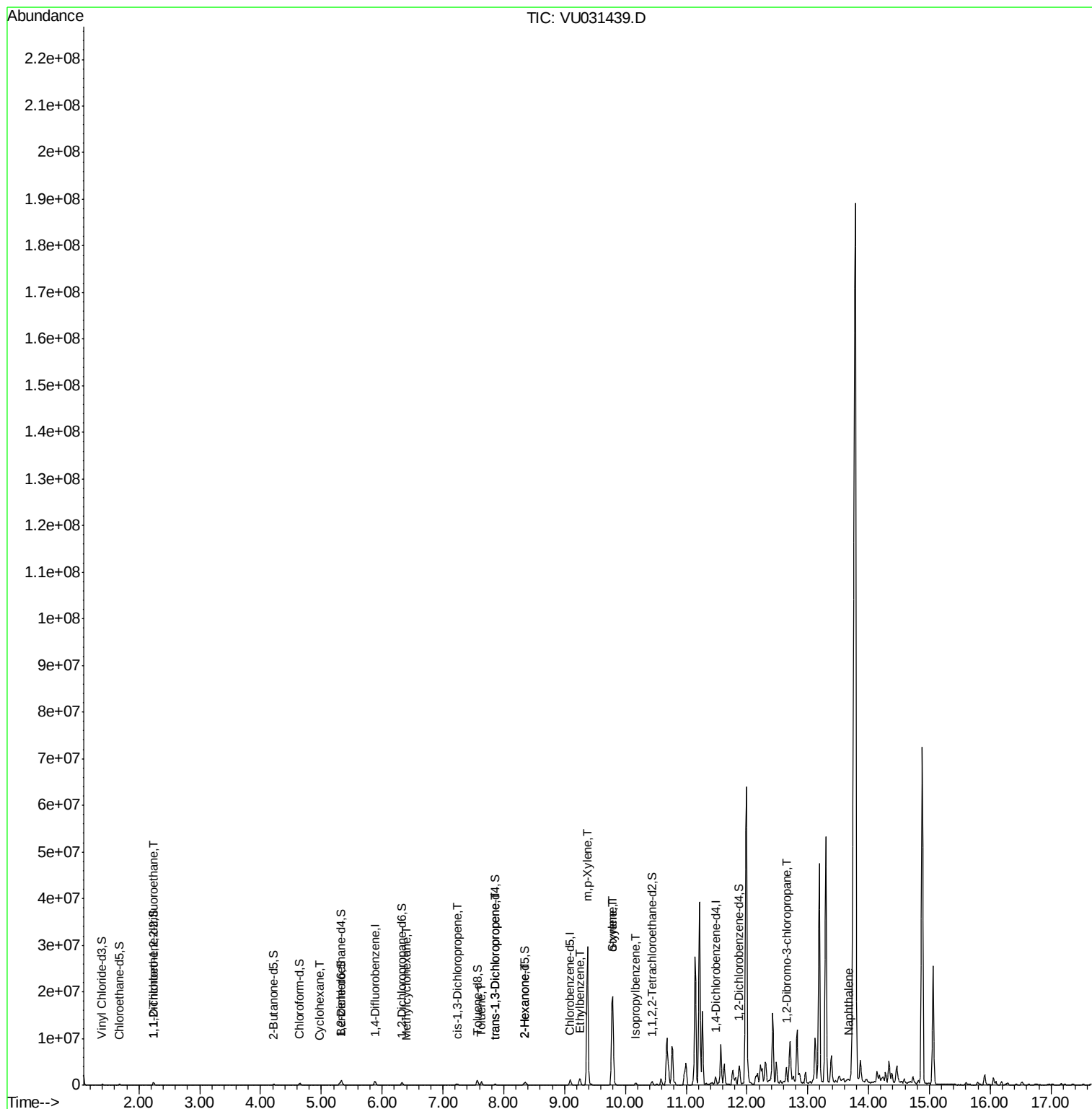
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.24	101	2971	0.594	ug/L #	20
29) Cyclohexane	4.97	56	11340	1.232	ug/L #	48
35) Methylcyclohexane	6.40	83	10576	1.243	ug/L #	73
39) cis-1,3-Dichloropropene	7.23	75	7050	0.805	ug/L #	80
42) Toluene	7.63	91	594695	26.105	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	5046	0.669	ug/L	92
48) 2-Hexanone	8.35	43	38282	5.522	ug/L #	66
52) Ethylbenzene	9.25	91	1189295	48.731	ug/L	100
53) m,p-Xylene	9.38	106	9289100	1042.857	ug/L	73
54) o-xylene	9.78	106	4008038	447.556	ug/L	100
55) Styrene	9.80	104	5675789	381.083	ug/L	98
56) Isopropylbenzene	10.17	105	268001	11.649	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	10497	5.216	ug/L #	1
69) Naphthalene	13.68	128	12945	0.590	ug/L #	1

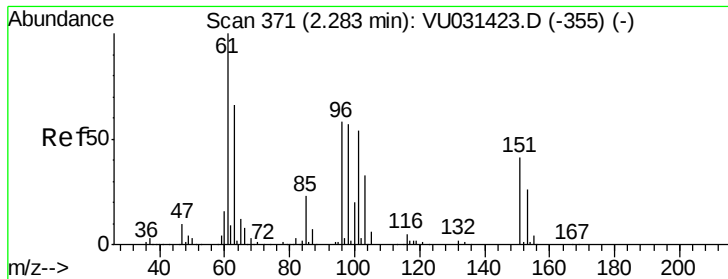
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.594 ug/L

RT: 2.24 min Scan# 357

Delta R.T. -0.04 min

Lab File: VU031439.D

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MSVOA_U

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GAHX0

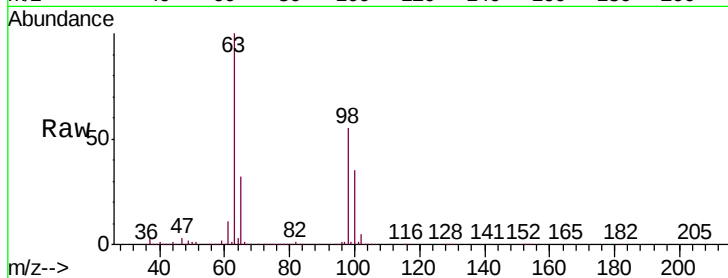
Tgt Ion: 101 Resp: 2971

Ion Ratio Lower Upper

101 100

85 0.0 33.1 49.7#

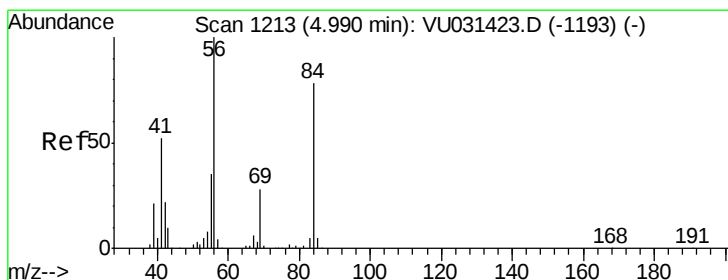
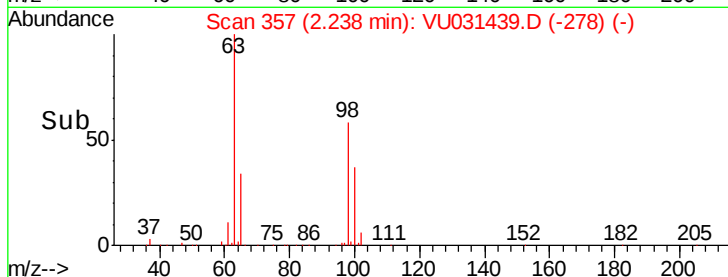
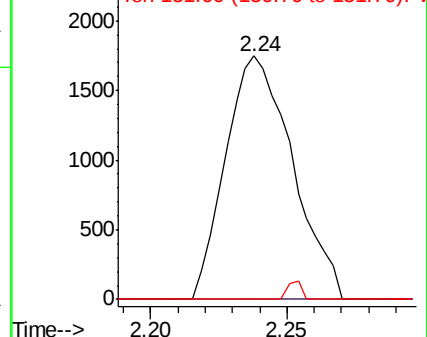
151 1.6 61.4 92.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#29

Cyclohexane

Concen: 1.232 ug/L

RT: 4.97 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VU031439.D

Acq: 23 Apr 2019 15:36

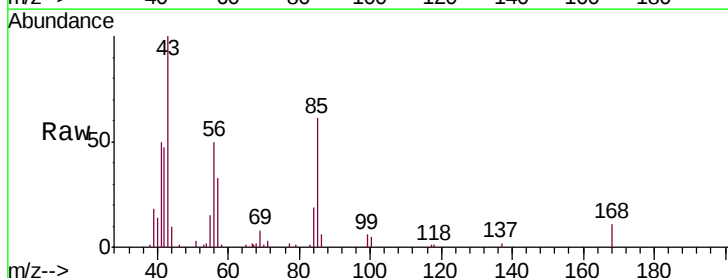
Tgt Ion: 56 Resp: 11340

Ion Ratio Lower Upper

56 100

69 15.0 23.3 34.9#

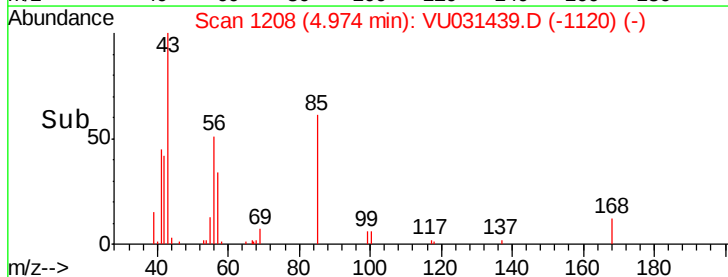
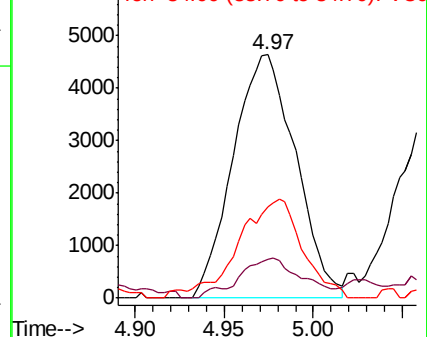
84 26.3 64.6 96.8#

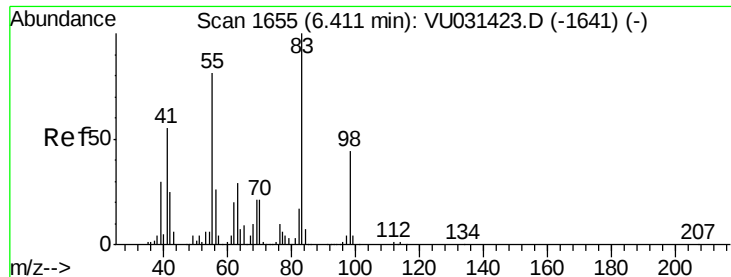


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

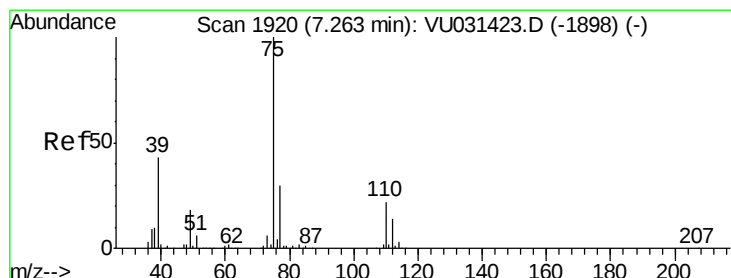
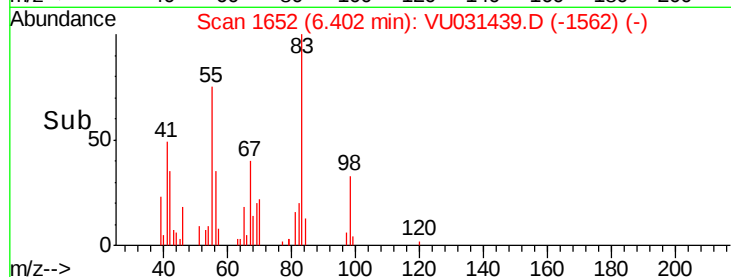
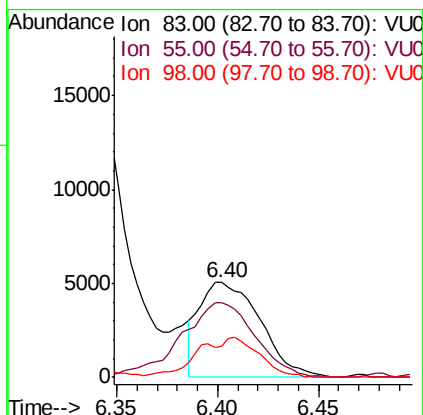
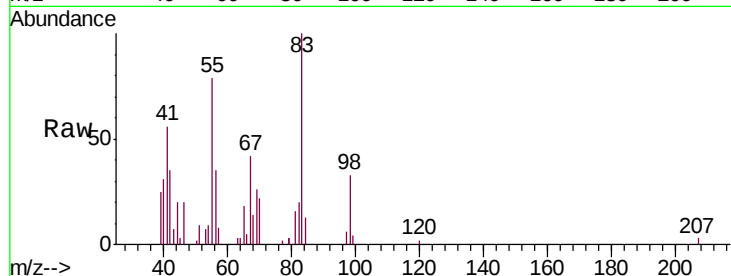




#35
Methylcyclohexane
Concen: 1.243 ug/L
RT: 6.40 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VU031439.D
Acq: 23 Apr 2019 15:36

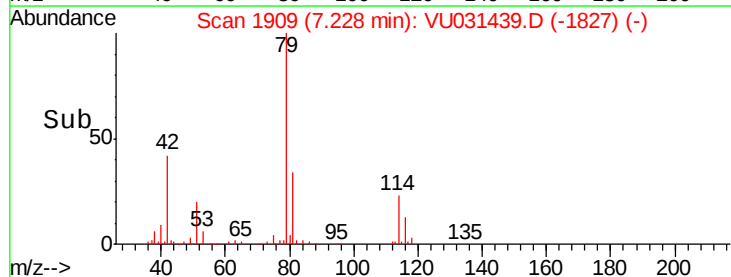
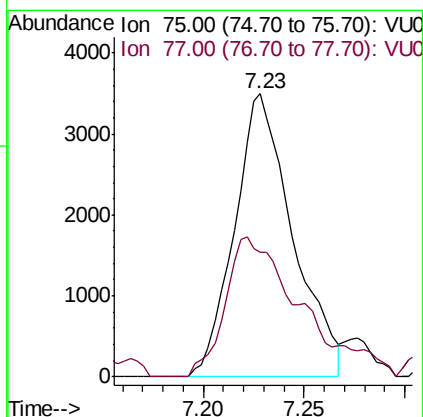
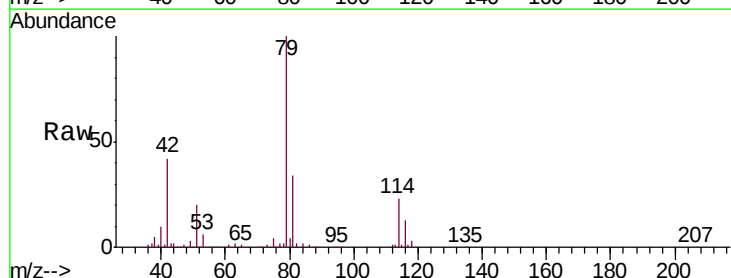
Instrument :
MSVOA_U
ClientSampleId :
GAHX0

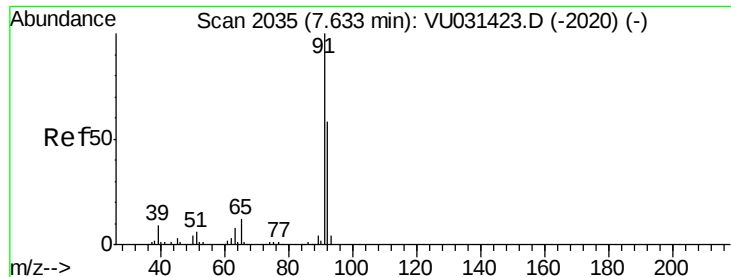
Tgt Ion: 83 Resp: 10576
Ion Ratio Lower Upper
83 100
55 96.2 65.4 98.0
98 16.3 36.8 55.2#



#39
cis-1,3-Dichloropropene
Concen: 0.805 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.04 min
Lab File: VU031439.D
Acq: 23 Apr 2019 15:36

Tgt Ion: 75 Resp: 7050
Ion Ratio Lower Upper
75 100
77 44.2 23.0 42.8#





#42

Toluene

Concen: 26.105 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031439.D

Acq: 23 Apr 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

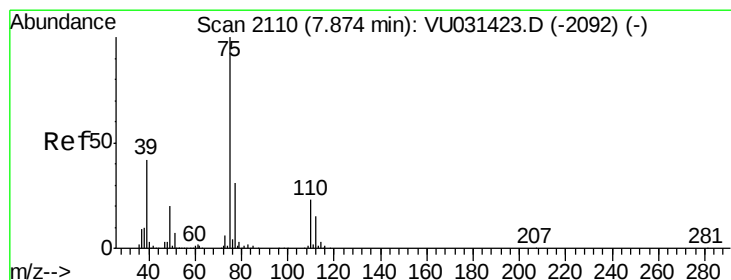
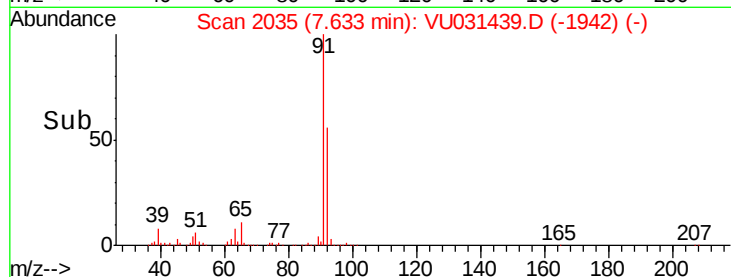
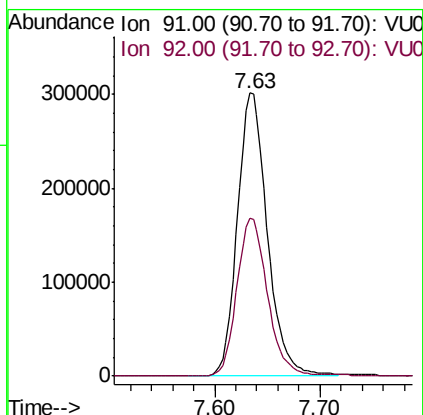
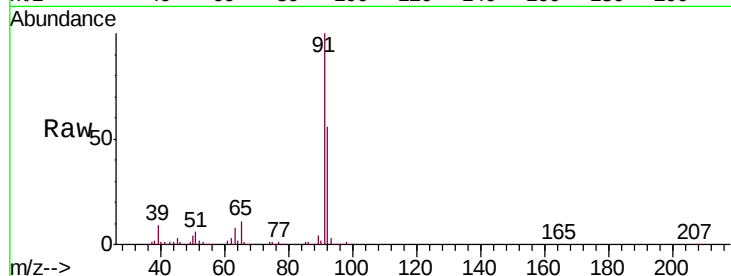
GAHX0

Tgt Ion: 91 Resp: 594695

Ion Ratio Lower Upper

91 100

92 55.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 0.669 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031439.D

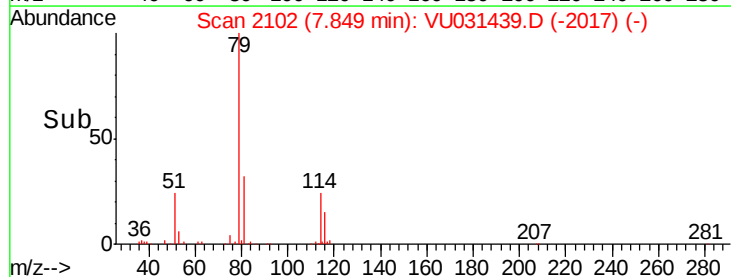
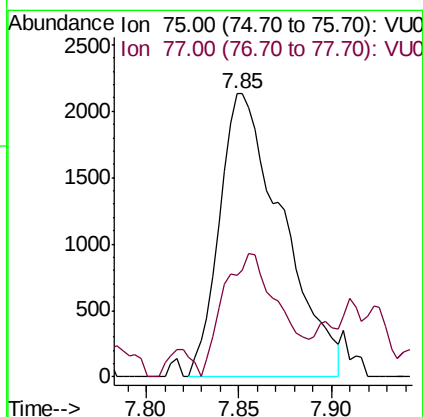
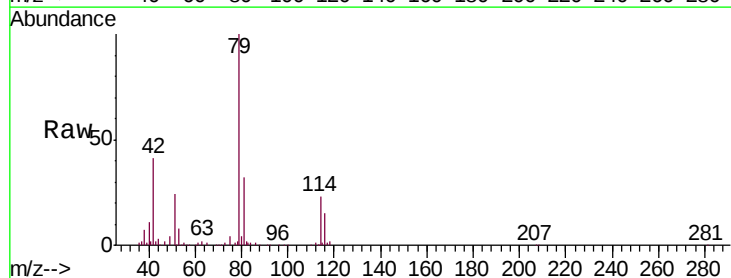
Acq: 23 Apr 2019 15:36

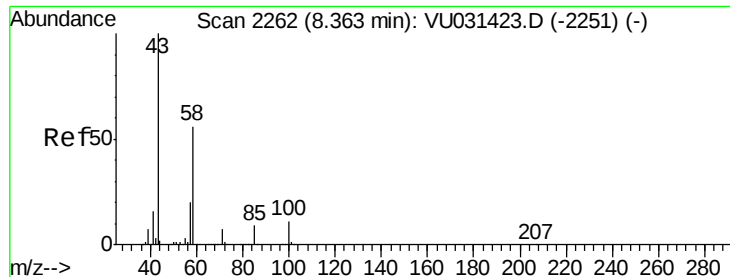
Tgt Ion: 75 Resp: 5046

Ion Ratio Lower Upper

75 100

77 36.1 22.3 41.3

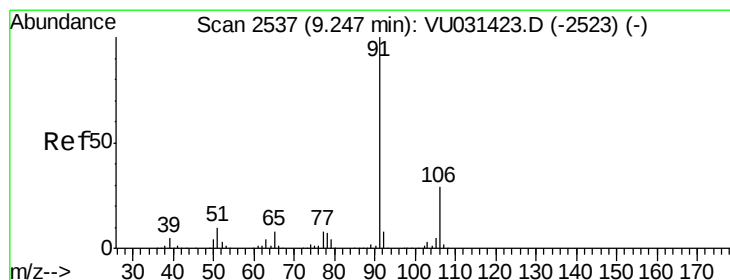
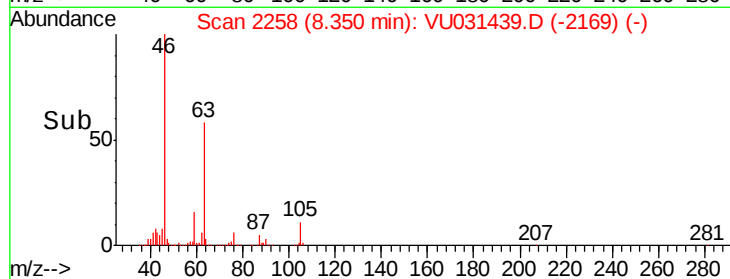
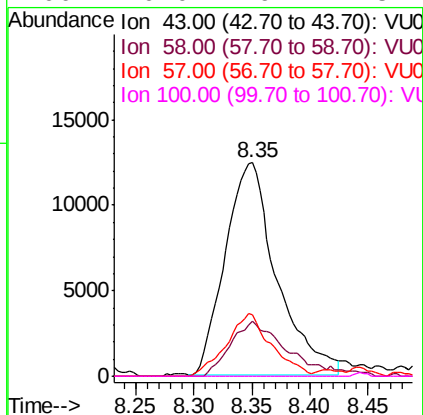
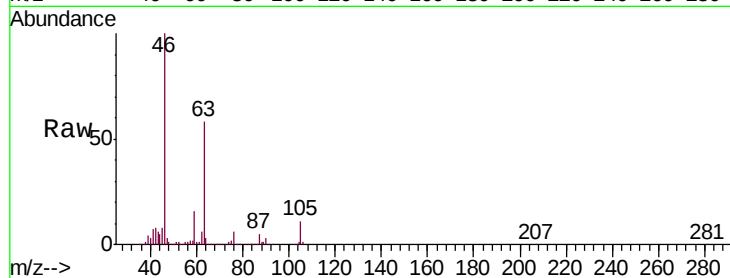




#48
2-Hexanone
Concen: 5.522 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. -0.01 min
Lab File: VU031439.D
Acq: 23 Apr 2019 15:36

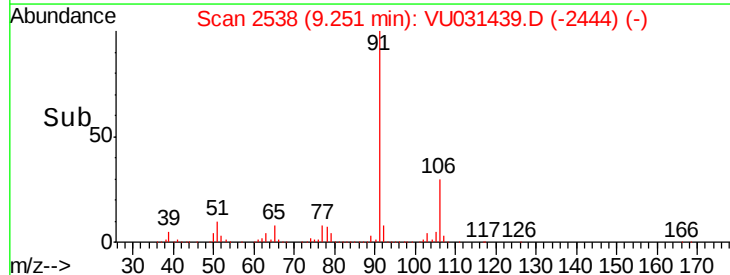
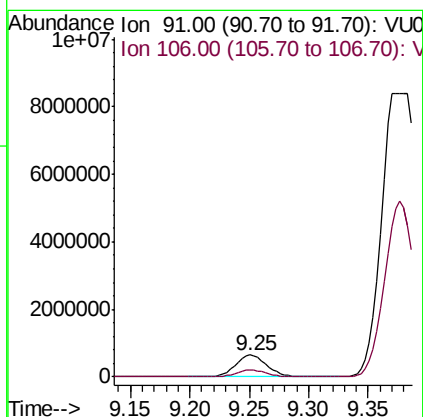
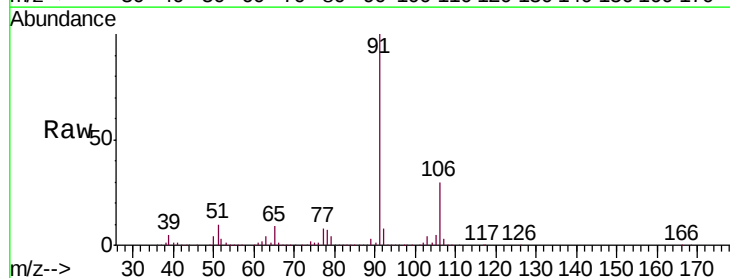
Instrument :
MSVOA_U
ClientSampleId :
GAHX0

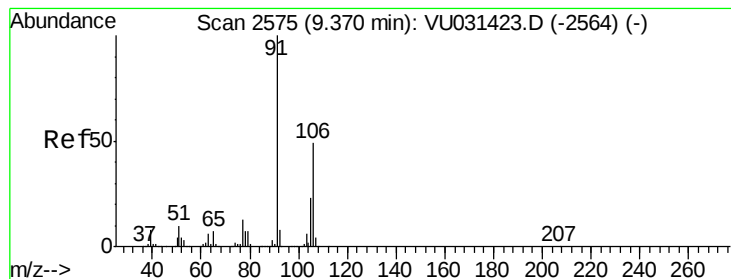
Tgt Ion: 43 Resp: 38282
Ion Ratio Lower Upper
43 100
58 25.9 45.5 68.3#
57 25.6 15.2 22.8#
100 0.0 9.1 13.7#



#52
Ethylbenzene
Concen: 48.731 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU031439.D
Acq: 23 Apr 2019 15:36

Tgt Ion: 91 Resp: 1189295
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.5





#53

m,p-Xylene

Concen: 1042.857 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.01 min

Lab File: VU031439.D

Acq: 23 Apr 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

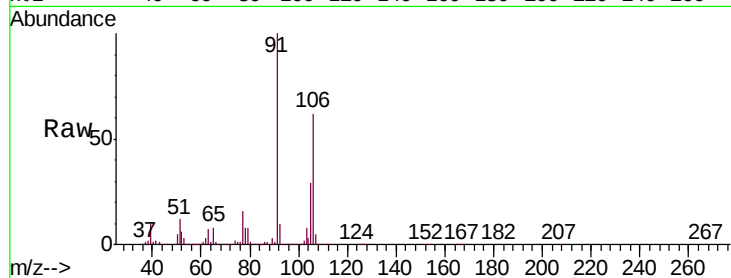
GAHX0

Tgt Ion:106 Resp: 9289100

Ion Ratio Lower Upper

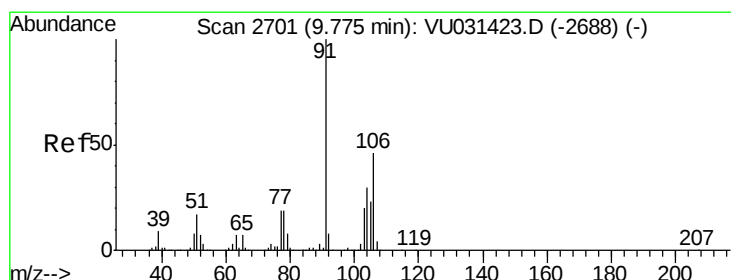
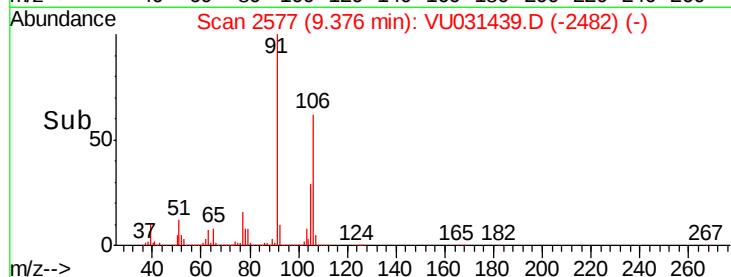
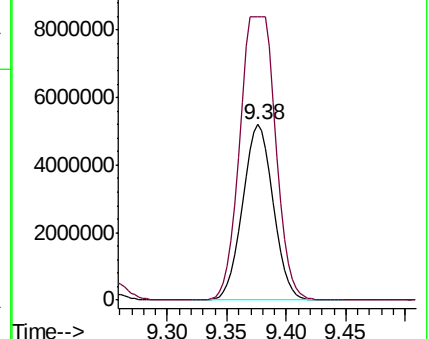
106 100

91 161.1 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 447.556 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU031439.D

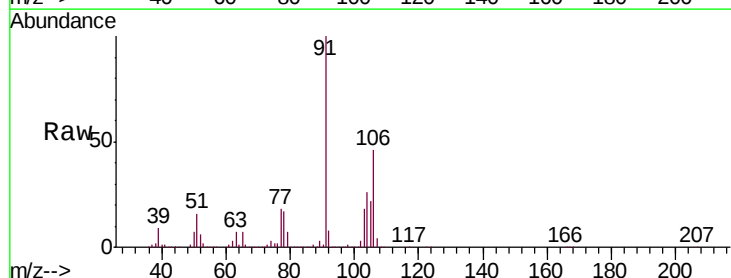
Acq: 23 Apr 2019 15:36

Tgt Ion:106 Resp: 4008038

Ion Ratio Lower Upper

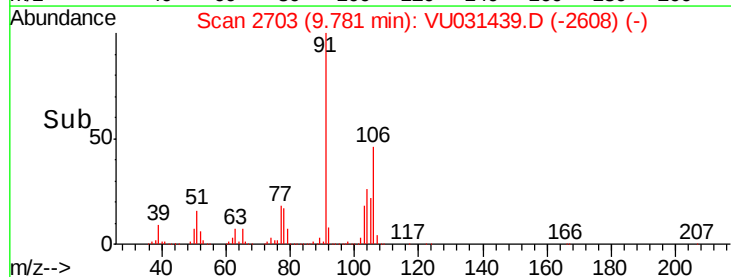
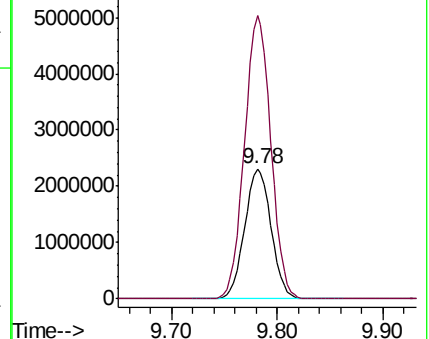
106 100

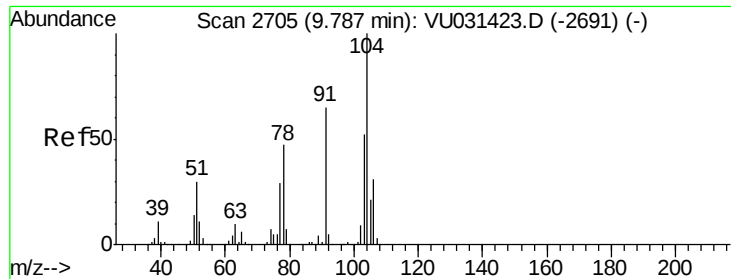
91 218.0 152.4 283.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

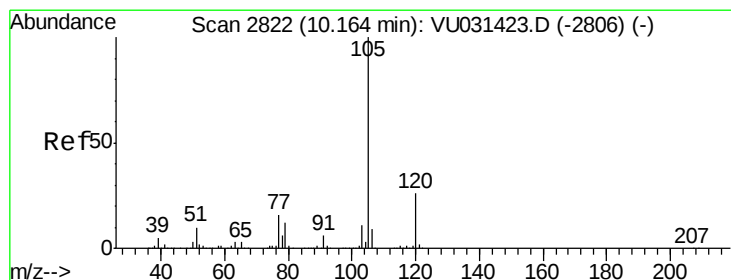
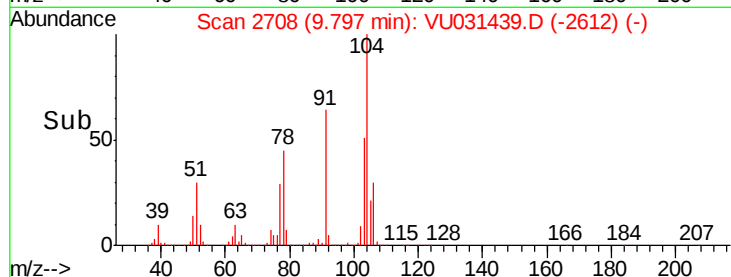
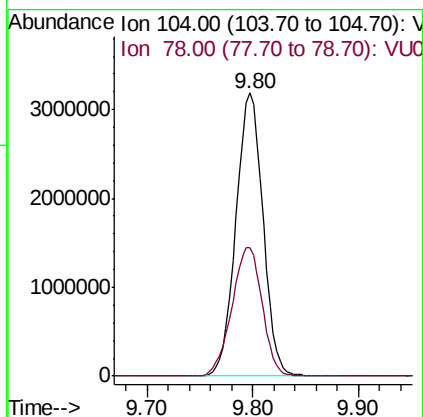
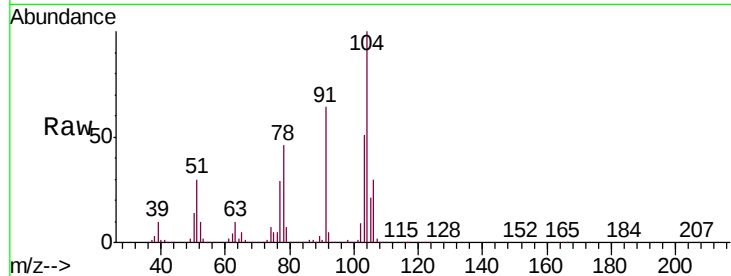




#55
Styrene
Concen: 381.083 ug/L
RT: 9.80 min Scan# 2708
Delta R.T. 0.01 min
Lab File: VU031439.D
Acq: 23 Apr 2019 15:36

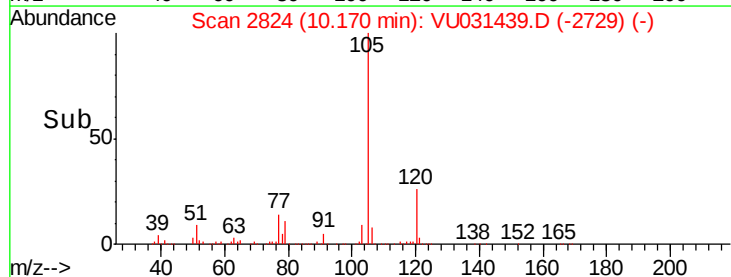
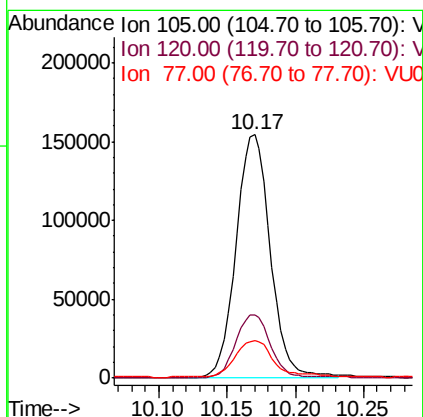
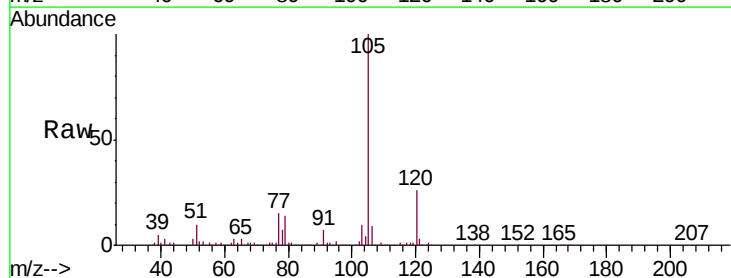
Instrument :
MSVOA_U
ClientSampleId :
GAHX0

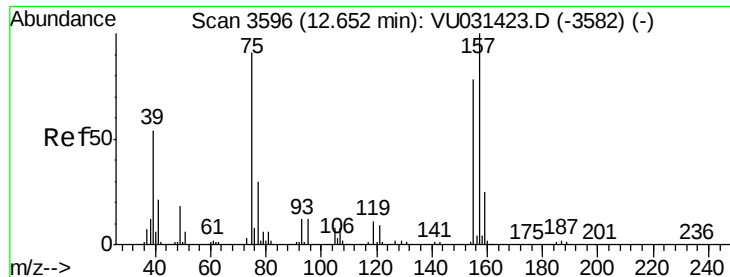
Tgt Ion:104 Resp: 5675789
Ion Ratio Lower Upper
104 100
78 45.5 31.1 57.7



#56
Isopropylbenzene
Concen: 11.649 ug/L
RT: 10.17 min Scan# 2824
Delta R.T. 0.01 min
Lab File: VU031439.D
Acq: 23 Apr 2019 15:36

Tgt Ion:105 Resp: 268001
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1
77 16.8 12.2 18.2

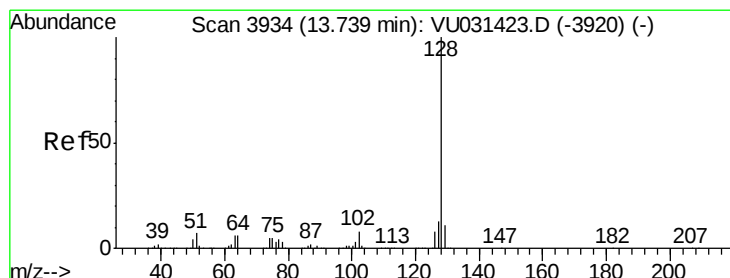
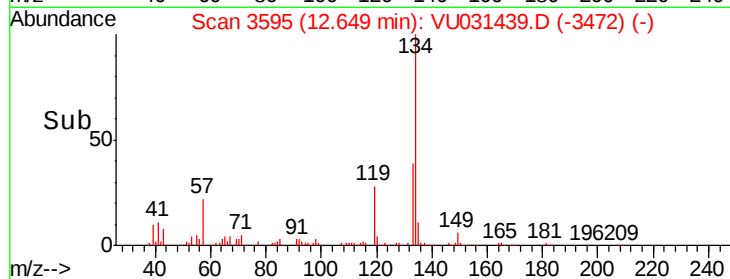
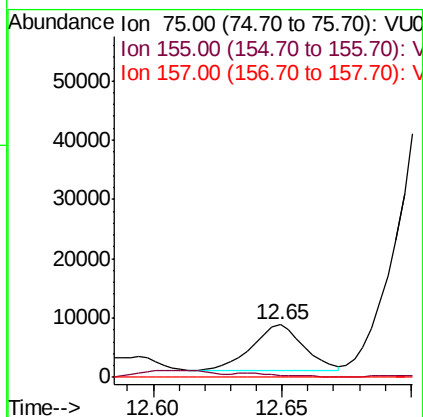
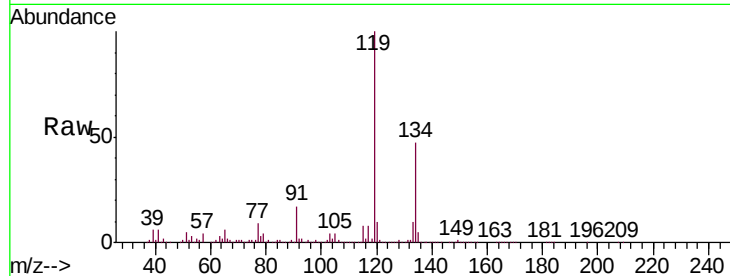




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.216 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU031439.D
 Acq: 23 Apr 2019 15:36

Instrument :
 MSVOA_U
 ClientSampled :
 GAHX0

Tgt Ion: 75 Resp: 10497
 Ion Ratio Lower Upper
 75 100
 155 4.2 68.8 103.2#
 157 0.0 91.4 137.2#



#69
 Naphthalene
 Concen: 0.590 ug/L
 RT: 13.68 min Scan# 3915
 Delta R.T. -0.06 min
 Lab File: VU031439.D
 Acq: 23 Apr 2019 15:36

Tgt Ion: 128 Resp: 12945
 Ion Ratio Lower Upper
 128 100
 127 46.1 10.2 15.4#
 129 111.6 8.6 13.0#

