

Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

Quant Time: Apr 24 06:04:49 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	731521	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	691283	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	349368	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	230038	38.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.62%
7) Chloroethane-d5	1.68	69	184658	40.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.82%
11) 1,1-Dichloroethene-d2	2.26	63	335863	32.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.14%
21) 2-Butanone-d5	4.20	46	407299	91.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.91%
24) Chloroform-d	4.64	84	397590	42.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.18%
26) 1,2-Dichloroethane-d4	5.31	65	253096	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.46%
32) Benzene-d6	5.34	84	843467	42.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.48%
36) 1,2-Dichloropropane-d6	6.33	67	278499	43.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.68%
41) Toluene-d8	7.56	98	739168	41.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.88%
43) trans-1,3-Dichloropropene-	7.85	79	120907	41.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.58%
47) 2-Hexanone-d5	8.32	63	287253	89.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	358158	41.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	293409	41.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.16%

Target Compounds

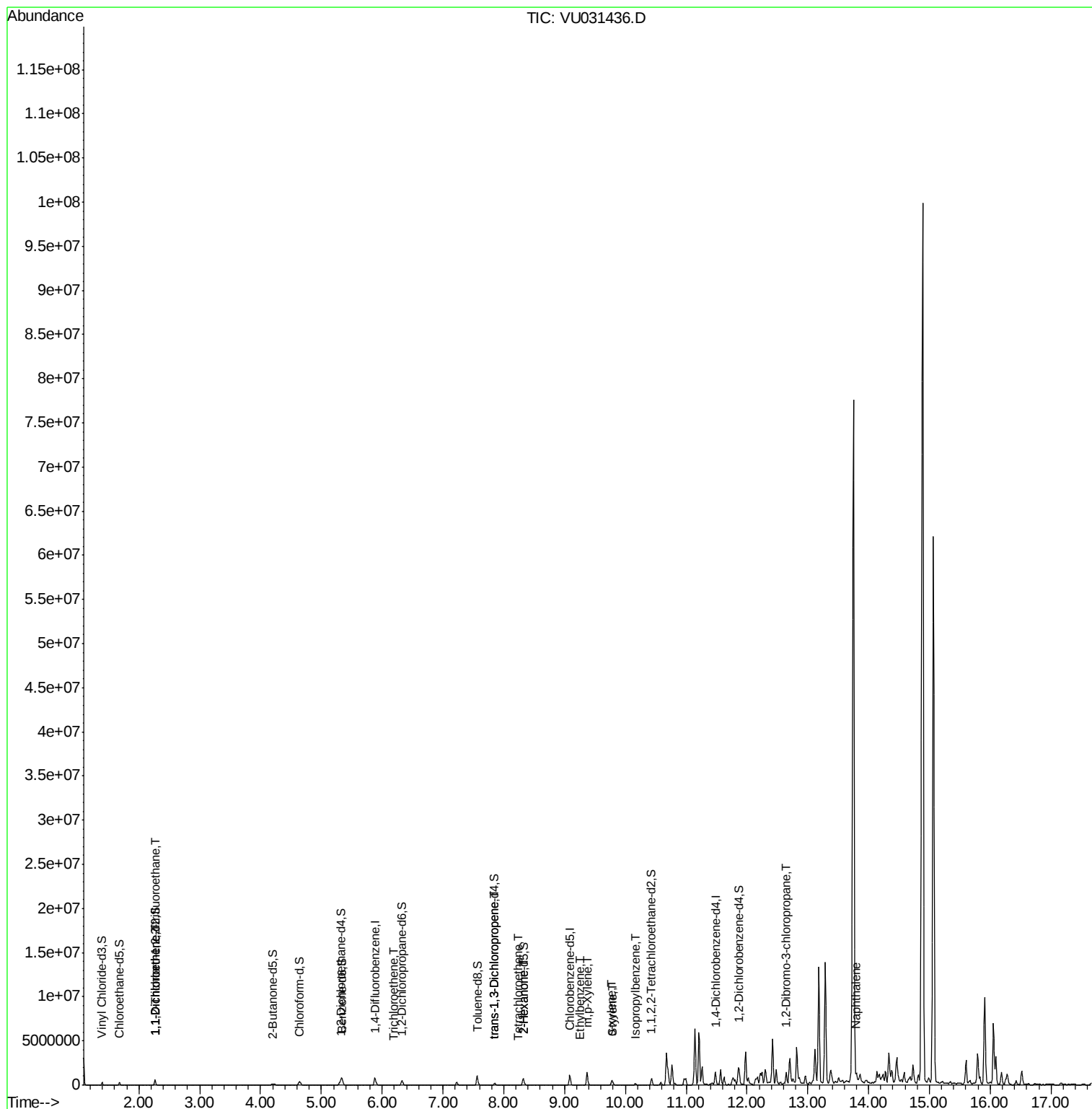
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2994	0.661	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	2467	0.554	ug/L #	1
34) Trichloroethene	6.18	95	4734	0.894	ug/L	92
44) trans-1,3-Dichloropropene	7.85	75	4318	0.628	ug/L	93
46) Tetrachloroethene	8.22	164	2947	0.784	ug/L	85
48) 2-Hexanone	8.32	43	31026	4.911	ug/L #	70
52) Ethylbenzene	9.25	91	15015	0.675	ug/L	90
53) m,p-Xylene	9.37	106	390174	48.068	ug/L	100
54) o-xylene	9.78	106	131759	16.145	ug/L	96
55) Styrene	9.79	104	89167	6.570	ug/L	92
56) Isopropylbenzene	10.16	105	105897	5.051	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	4227	2.185	ug/L #	1
69) Naphthalene	13.80	128	216928	10.294	ug/L #	25

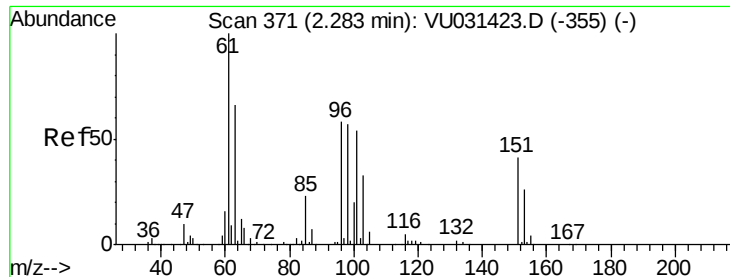
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU031436.D
Acq On : 23 Apr 2019 14:26
Operator : JC/SP
Sample : K2481-06 5X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHW1

Quant Time: Apr 24 06:04:49 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





#10

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

Concen: 0.661 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031436.D

Acq: 23 Apr 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

GAHW1

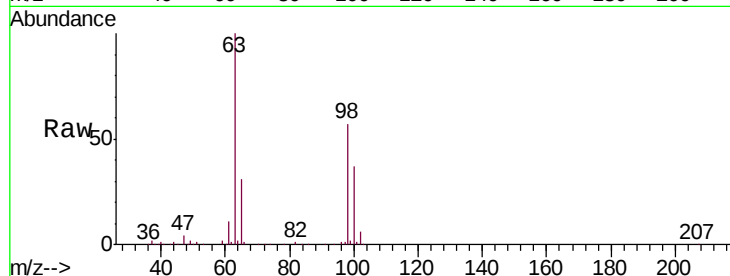
Tgt Ion: 101 Resp: 2994

Ion Ratio Lower Upper

101 100

85 0.0 33.1 49.7#

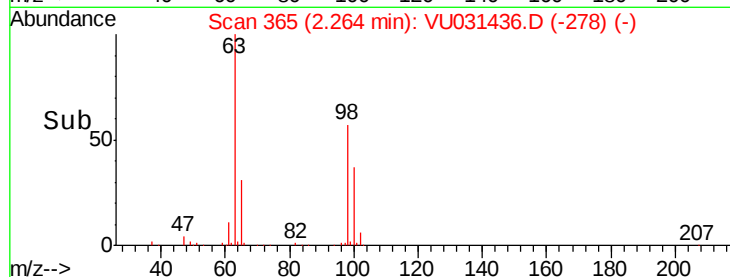
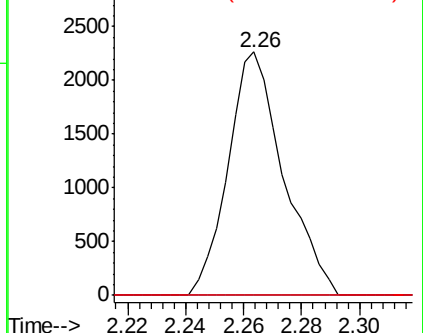
151 0.0 61.4 92.0#



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



#12

1,1-Dichloroethene

Concen: 0.554 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031436.D

Acq: 23 Apr 2019 14:26

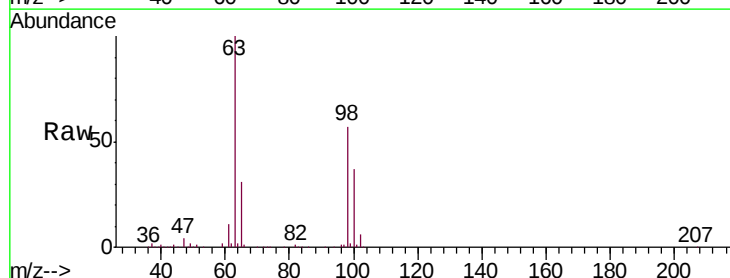
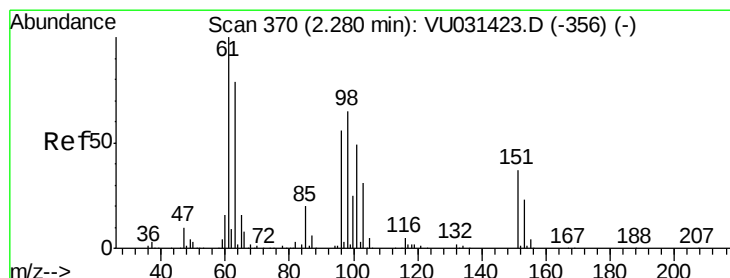
Tgt Ion: 96 Resp: 2467

Ion Ratio Lower Upper

96 100

61 1433.6 118.9 220.9#

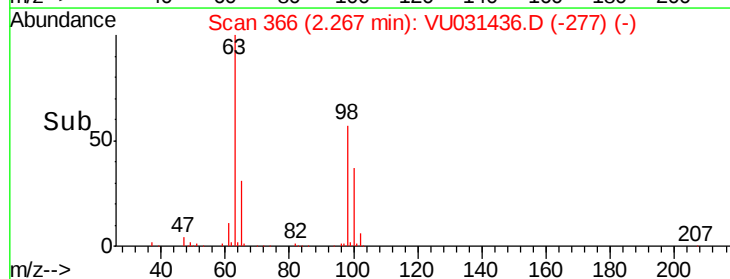
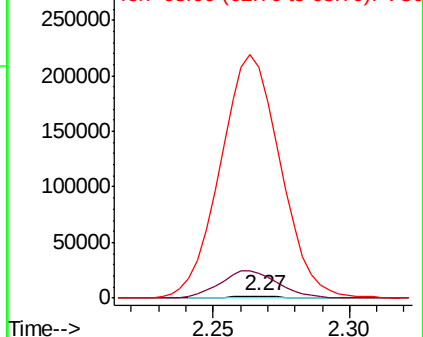
63 13190.8 99.3 184.3#

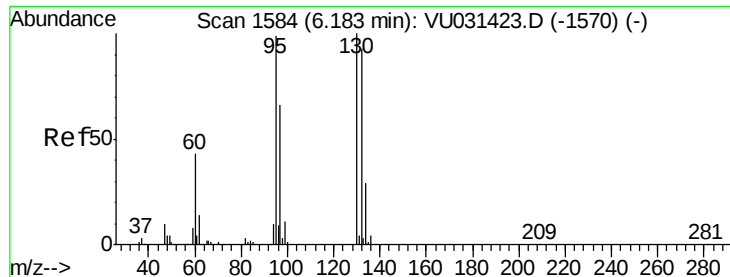


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#34

Trichloroethene

Concen: 0.894 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU031436.D

Acq: 23 Apr 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

GAHW1

Tgt Ion: 95 Resp: 4734

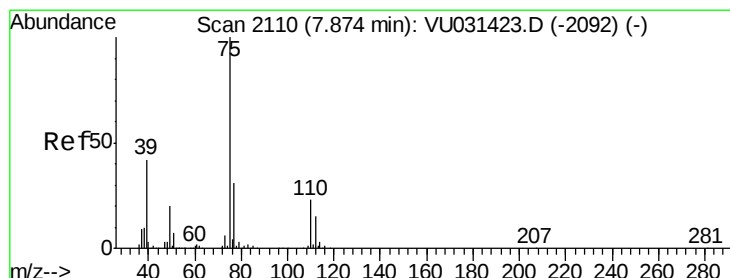
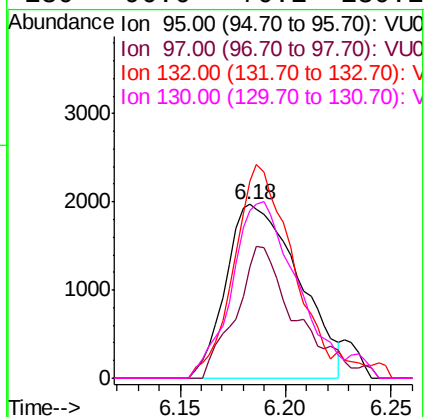
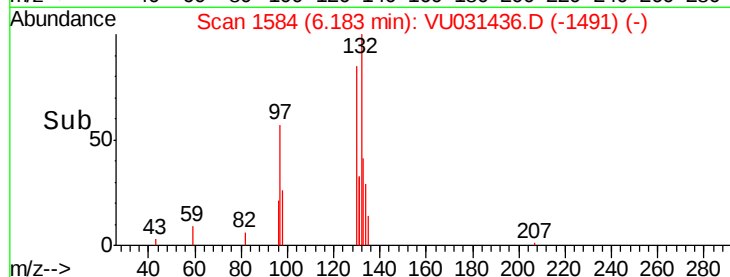
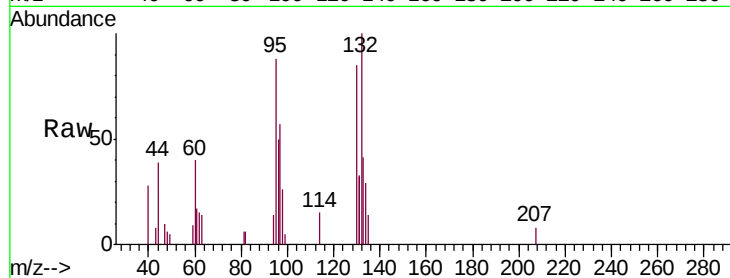
Ion Ratio Lower Upper

95 100

97 64.4 44.9 83.5

132 113.5 68.0 126.2

130 96.6 70.1 130.1



#44

trans-1,3-Dichloropropene

Concen: 0.628 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031436.D

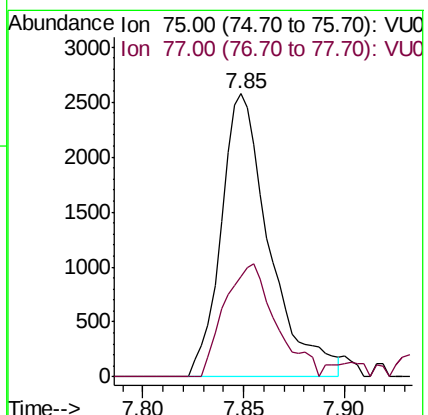
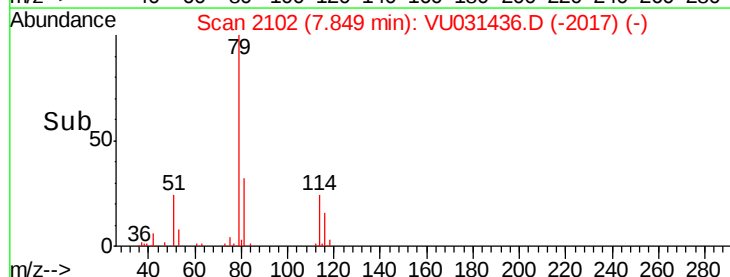
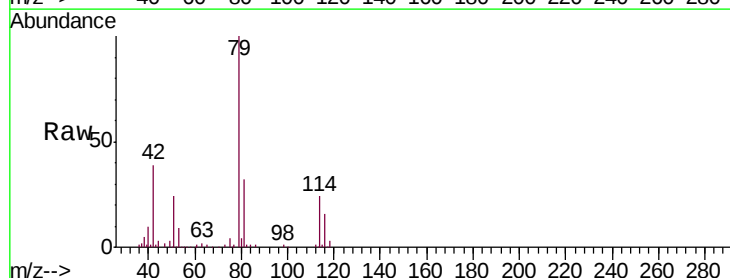
Acq: 23 Apr 2019 14:26

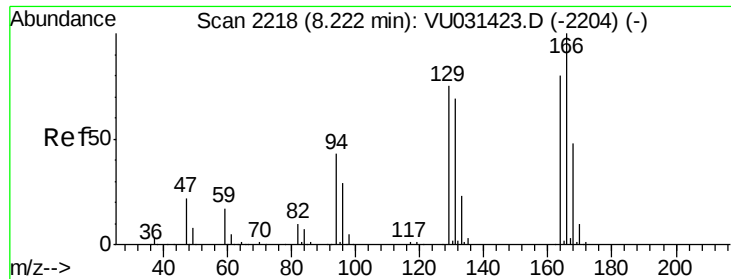
Tgt Ion: 75 Resp: 4318

Ion Ratio Lower Upper

75 100

77 35.5 22.3 41.3

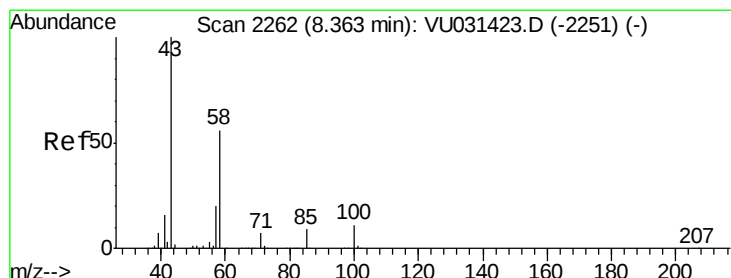
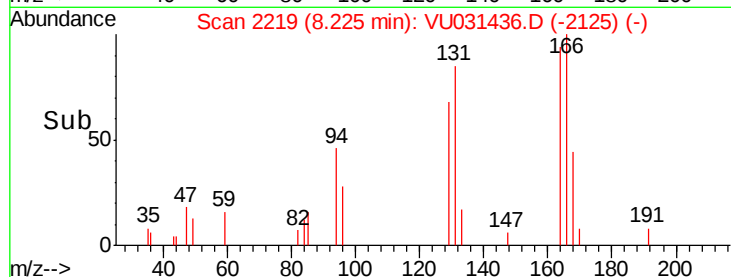
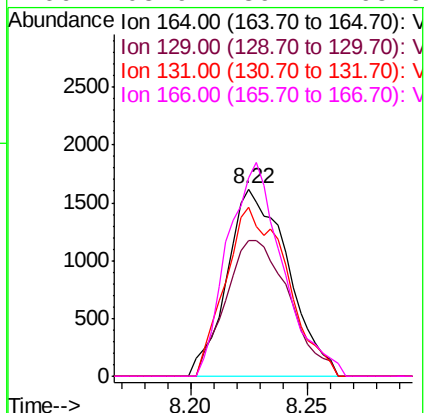
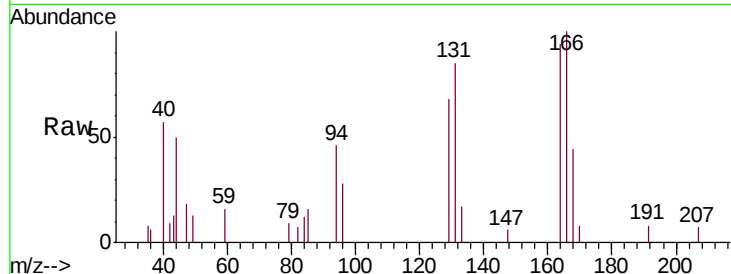




#46
Tetrachloroethene
Concen: 0.784 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031436.D
Acq: 23 Apr 2019 14:26

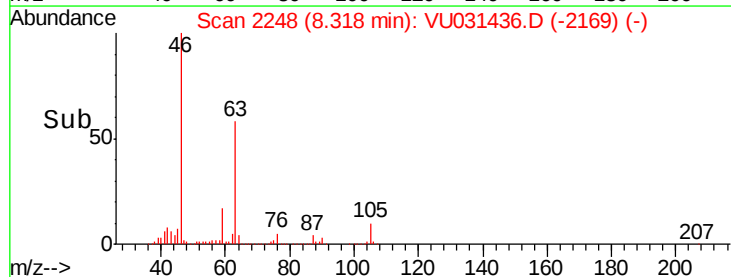
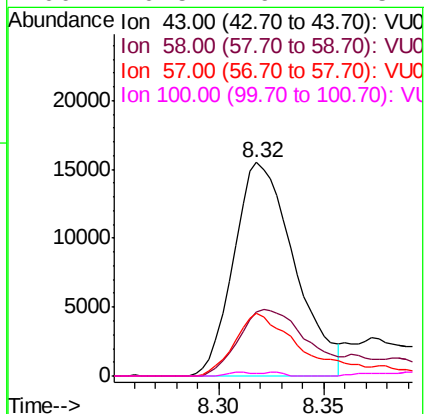
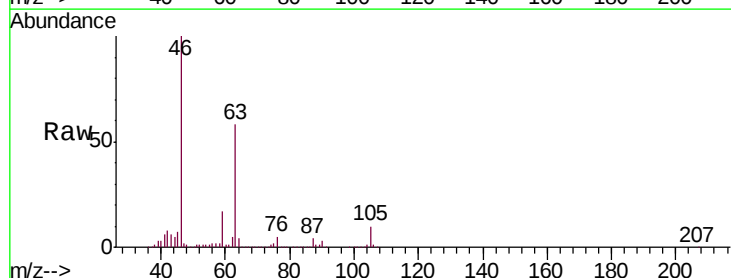
Instrument :
MSVOA_U
ClientSampleId :
GAHW1

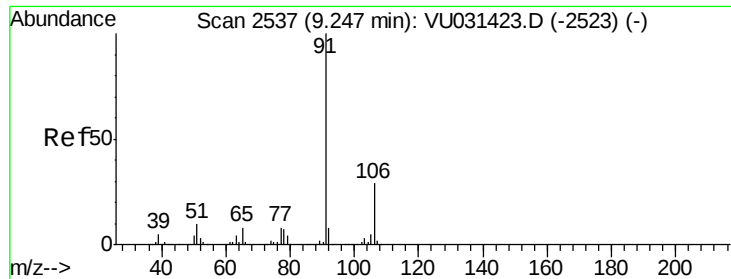
Tgt Ion:164 Resp: 2947
Ion Ratio Lower Upper
164 100
129 72.5 65.2 121.0
131 90.4 61.4 114.0
166 105.9 89.2 165.6



#48
2-Hexanone
Concen: 4.911 ug/L
RT: 8.32 min Scan# 2248
Delta R.T. -0.05 min
Lab File: VU031436.D
Acq: 23 Apr 2019 14:26

Tgt Ion: 43 Resp: 31026
Ion Ratio Lower Upper
43 100
58 34.6 45.5 68.3#
57 31.6 15.2 22.8#
100 0.5 9.1 13.7#





#52

Ethylbenzene

Concen: 0.675 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

Lab File: VU031436.D

Acq: 23 Apr 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

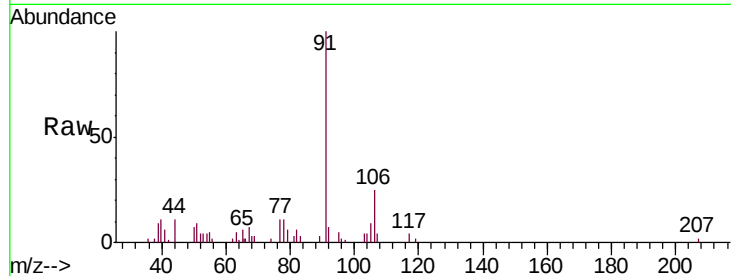
GAHW1

Tgt Ion: 91 Resp: 15015

Ion Ratio Lower Upper

91 100

106 25.2 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VU031423.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU031436.D (-2444) (-)

9.25

8000

6000

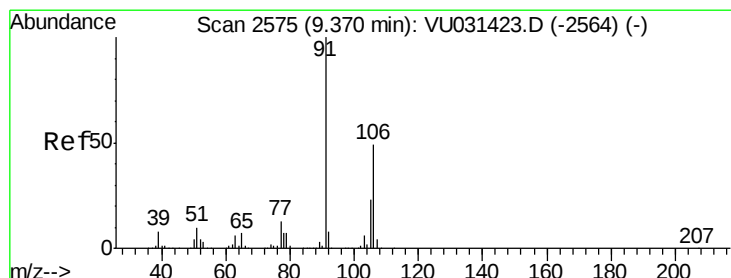
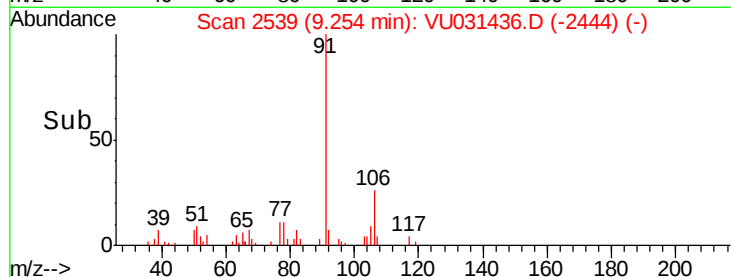
4000

2000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 48.068 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031436.D

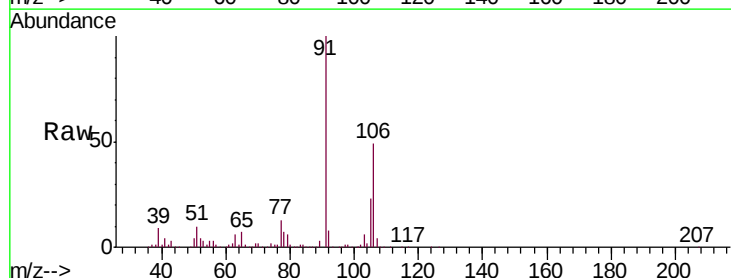
Acq: 23 Apr 2019 14:26

Tgt Ion: 106 Resp: 390174

Ion Ratio Lower Upper

106 100

91 202.3 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): VU031423.D (-2564) (-)

Ion 91.00 (90.70 to 91.70): VU031436.D (-2482) (-)

9.37

500000

400000

300000

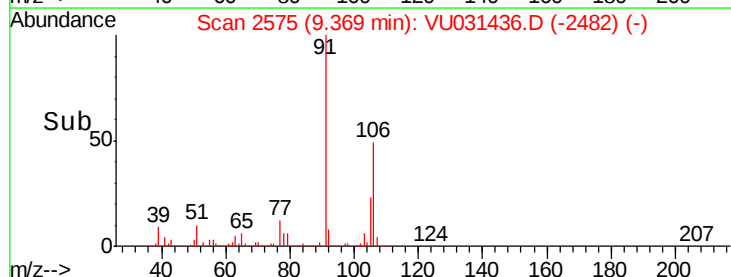
200000

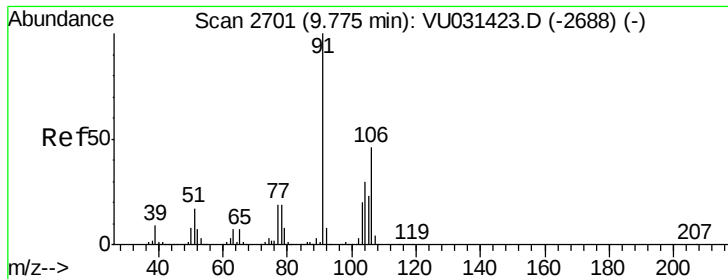
100000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 16.145 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031436.D

Acq: 23 Apr 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

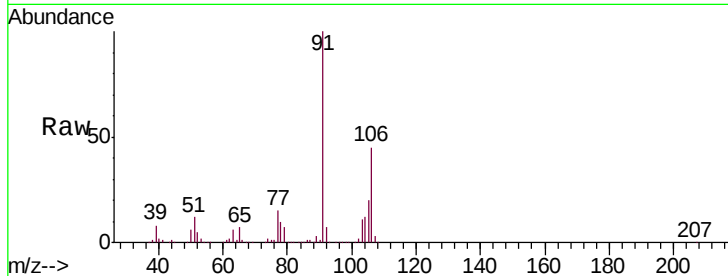
GAHW1

Tgt Ion:106 Resp: 131759

Ion Ratio Lower Upper

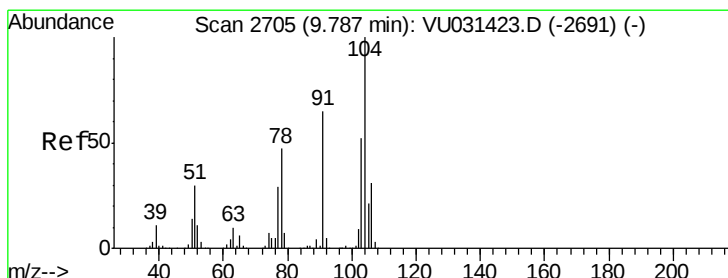
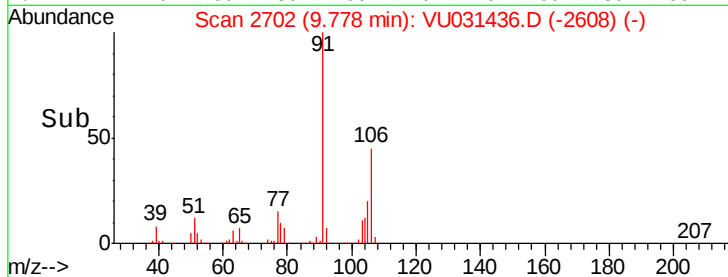
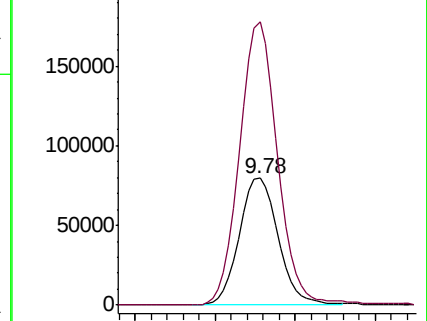
106 100

91 223.6 152.4 283.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 6.570 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031436.D

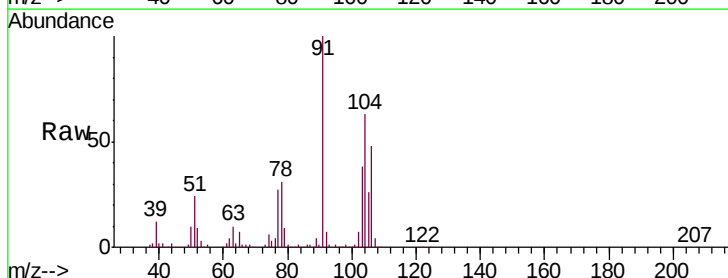
Acq: 23 Apr 2019 14:26

Tgt Ion:104 Resp: 89167

Ion Ratio Lower Upper

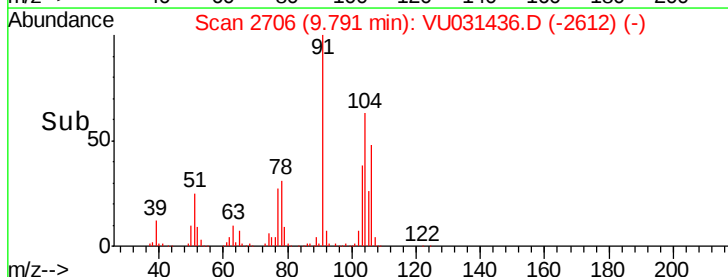
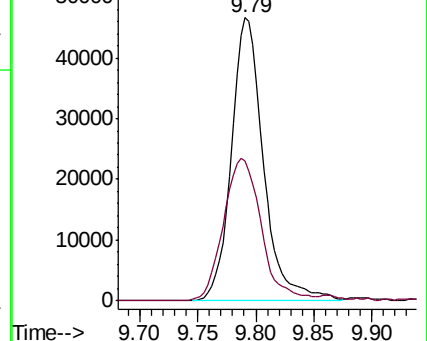
104 100

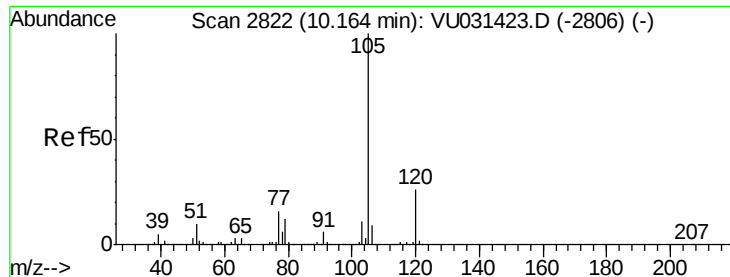
78 49.5 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 5.051 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031436.D

Acq: 23 Apr 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

GAHW1

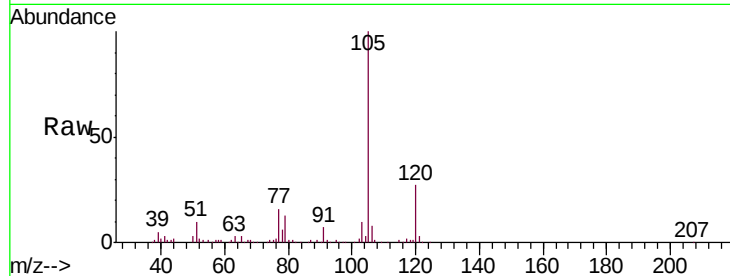
Tgt Ion:105 Resp: 105897

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

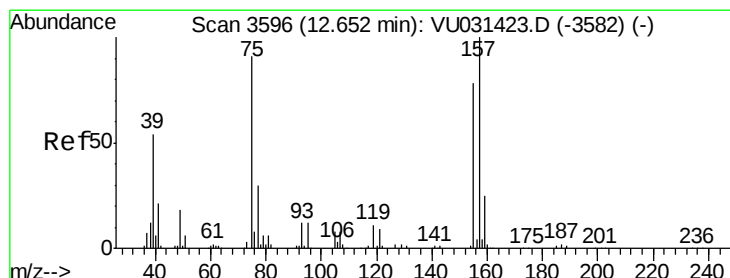
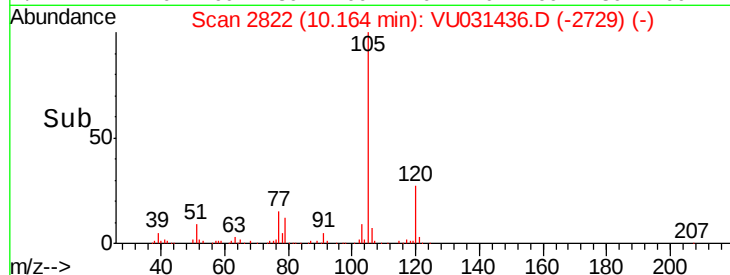
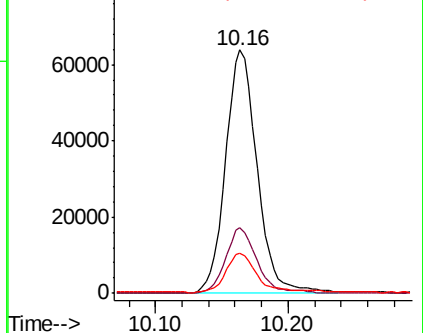
77 15.8 12.2 18.2



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): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.185 ug/L

RT: 12.65 min Scan# 3594

Delta R.T. -0.01 min

Lab File: VU031436.D

Acq: 23 Apr 2019 14:26

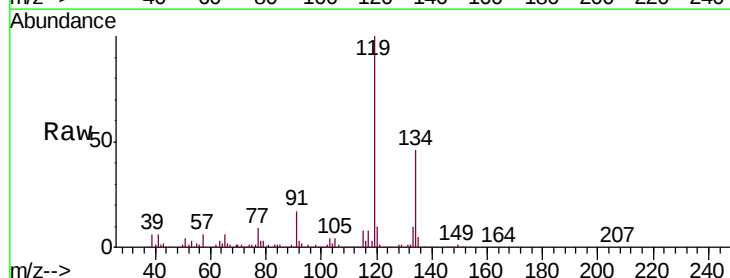
Tgt Ion: 75 Resp: 4227

Ion Ratio Lower Upper

75 100

155 0.0 68.8 103.2#

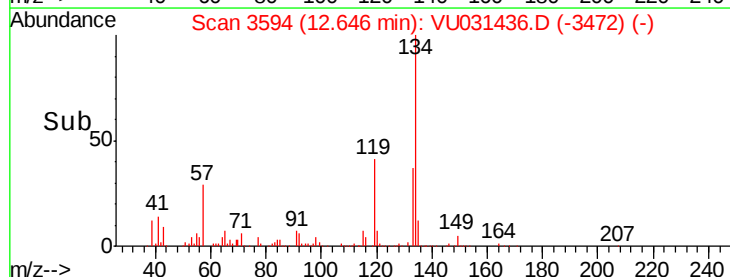
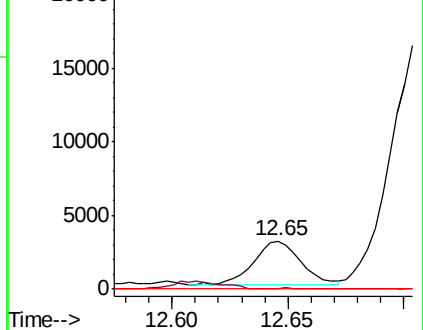
157 0.0 91.4 137.2#

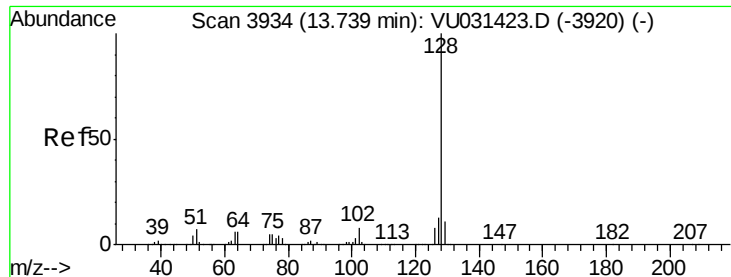


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

Naphthalene

Concen: 10.294 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.06 min

Lab File: VU031436.D

Acq: 23 Apr 2019 14:26

Instrument :

MSVOA_U

ClientSampleId :

GAHW1

Tgt Ion:128 Resp: 216928

Ion Ratio Lower Upper

128 100

127 25.4 10.2 15.4#

129 58.7 8.6 13.0#

