

Data File : VU031410.D
Acq On : 22 Apr 2019 23:15
Operator : JC/SP
Sample : K2455-11DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X35

Quant Time: Apr 23 04:07:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	689569	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	656338	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	339225	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	236865	42.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.78%
7) Chloroethane-d5	1.68	69	194331	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.36%
11) 1,1-Dichloroethene-d2	2.27	63	335886	34.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.12%
21) 2-Butanone-d5	4.20	46	380608	91.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.11%
24) Chloroform-d	4.64	84	388851	43.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.34%
26) 1,2-Dichloroethane-d4	5.31	65	243545	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.32%
32) Benzene-d6	5.33	84	827234	43.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.26%
36) 1,2-Dichloropropane-d6	6.32	67	262260	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.96%
41) Toluene-d8	7.56	98	741287	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%
43) trans-1,3-Dichloropropene-	7.85	79	117455	42.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.50%
47) 2-Hexanone-d5	8.31	63	272072	89.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.00%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	352967	42.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	294052	42.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.80%

Target Compounds

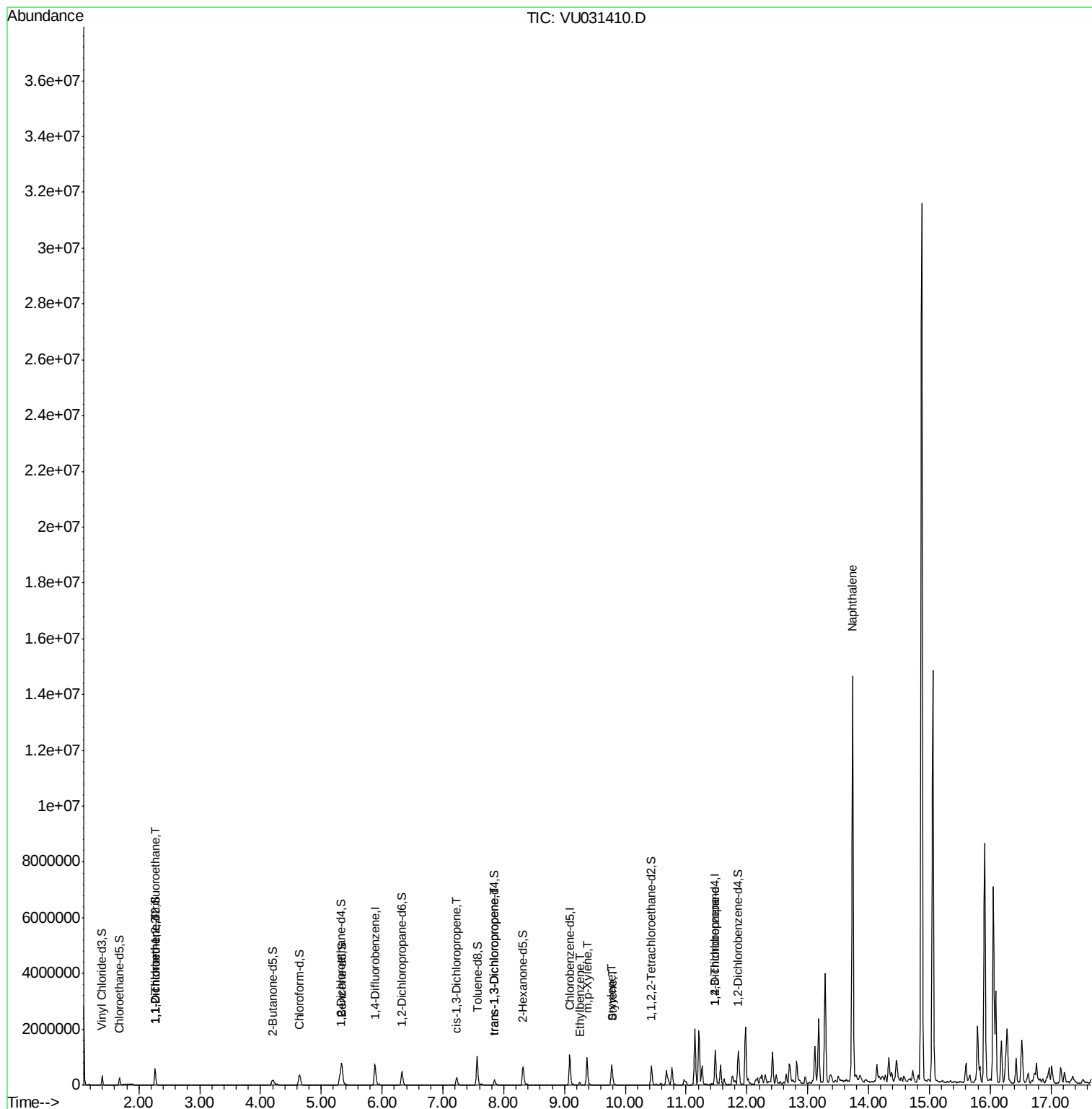
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3356	0.786	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2884	0.687	ug/L #	1
39) cis-1,3-Dichloropropene	7.23	75	5645	0.745	ug/L #	63
44) trans-1,3-Dichloropropene	7.85	75	3718	0.570	ug/L	97
52) Ethylbenzene	9.25	91	82392	3.902	ug/L	97
53) m,p-Xylene	9.37	106	299735	38.893	ug/L	99
54) o-xylene	9.77	106	185127	23.893	ug/L	100
55) Styrene	9.79	104	99536	7.724	ug/L	89
59) 1,2,3-Trichloropropane	11.48	75	37219	5.960	ug/L	96
69) Naphthalene	13.74	128	11139473	544.439	ug/L	99

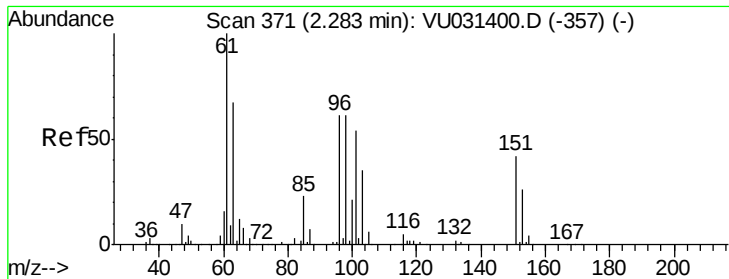
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.786 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031410.D

Acq: 22 Apr 2019 23:15

Instrument :

MSVOA_U

ClientSampled :

C0X35

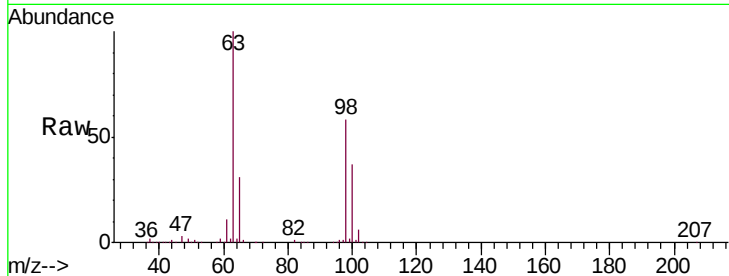
Tgt Ion: 101 Resp: 3356

Ion Ratio Lower Upper

101 100

85 2.8 33.1 49.7#

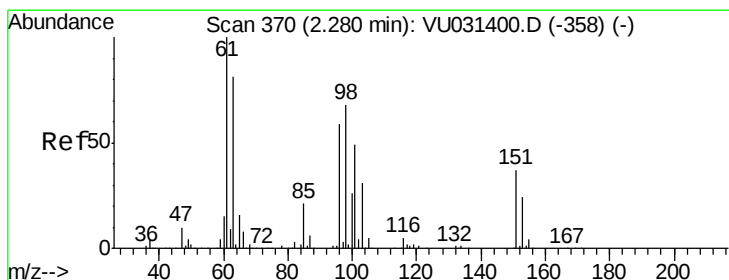
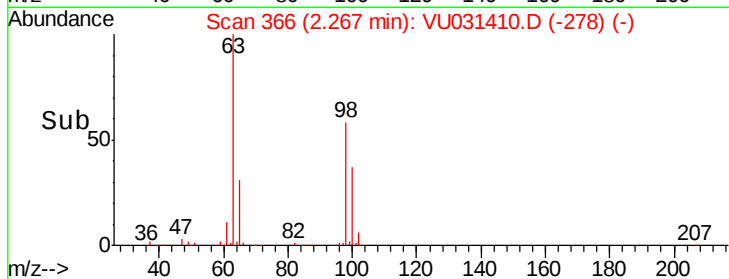
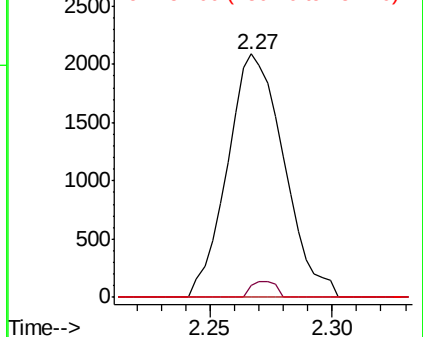
151 0.0 61.4 92.0#



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: 0.687 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031410.D

Acq: 22 Apr 2019 23:15

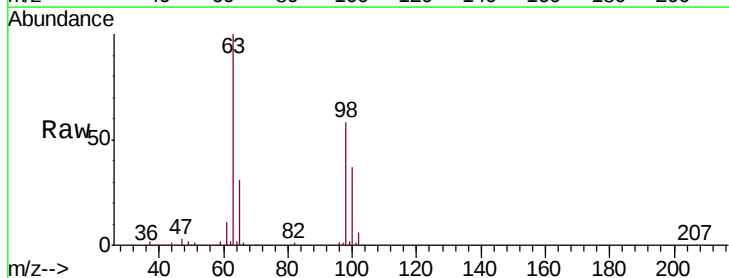
Tgt Ion: 96 Resp: 2884

Ion Ratio Lower Upper

96 100

61 1309.6 118.9 220.9#

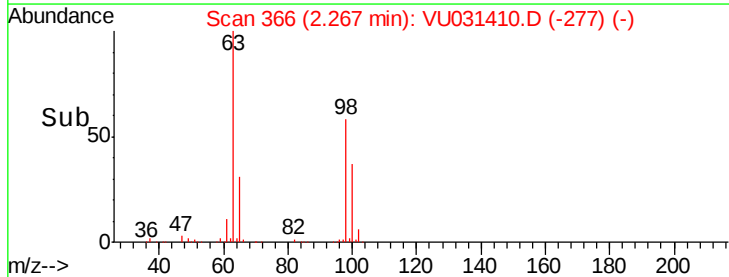
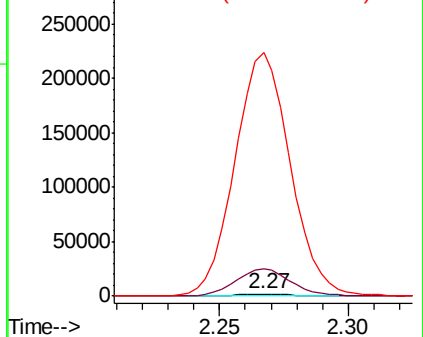
63 11695.4 99.3 184.3#

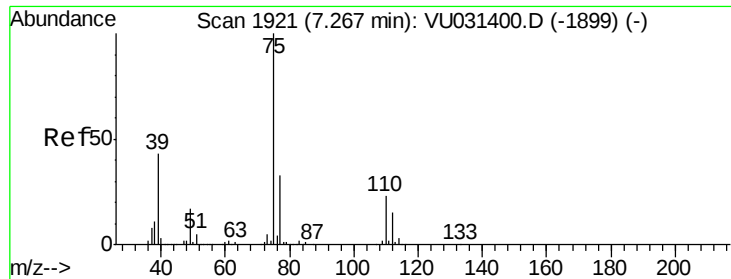


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#39

cis-1,3-Dichloropropene

Concen: 0.745 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU031410.D

Acq: 22 Apr 2019 23:15

Instrument :

MSVOA_U

ClientSampleId :

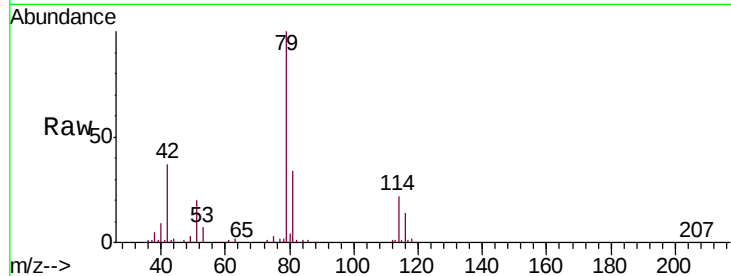
C0X35

Tgt Ion: 75 Resp: 5645

Ion Ratio Lower Upper

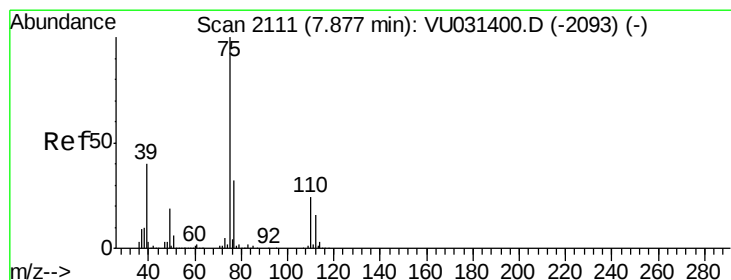
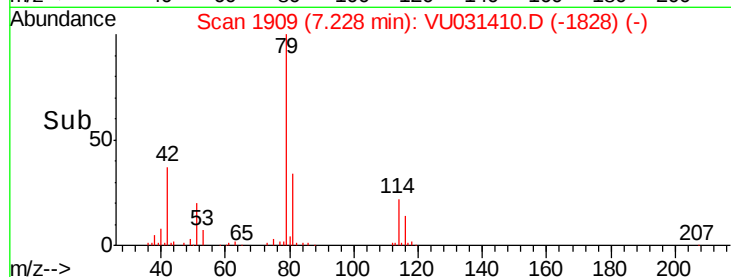
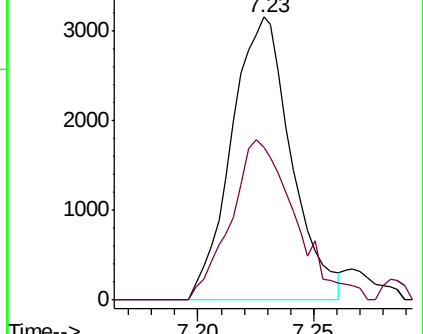
75 100

77 54.1 23.0 42.8#



Abundance Ion 75.00 (74.70 to 75.70): VU031410.D (-1899) (-)

Ion 77.00 (76.70 to 77.70): VU031410.D (-1899) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.570 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU031410.D

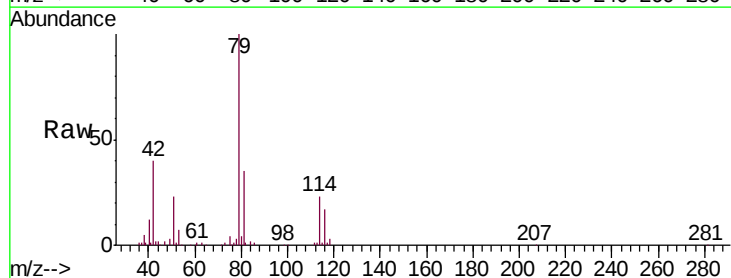
Acq: 22 Apr 2019 23:15

Tgt Ion: 75 Resp: 3718

Ion Ratio Lower Upper

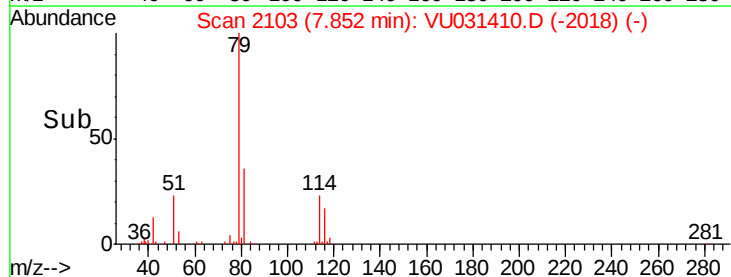
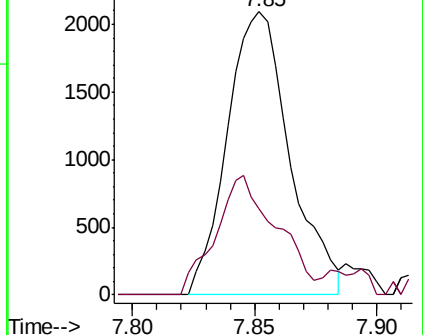
75 100

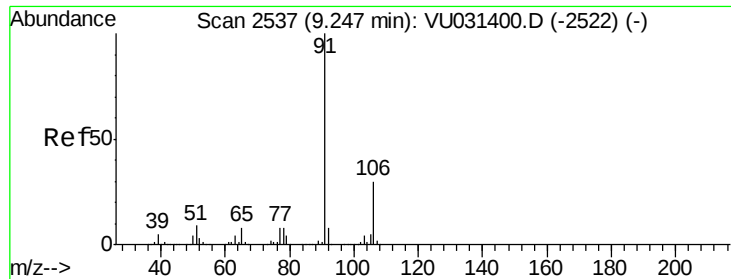
77 30.3 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU031410.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU031410.D (-2093) (-)





#52

Ethylbenzene

Concen: 3.902 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031410.D

Acq: 22 Apr 2019 23:15

Instrument :

MSVOA_U

ClientSampleId :

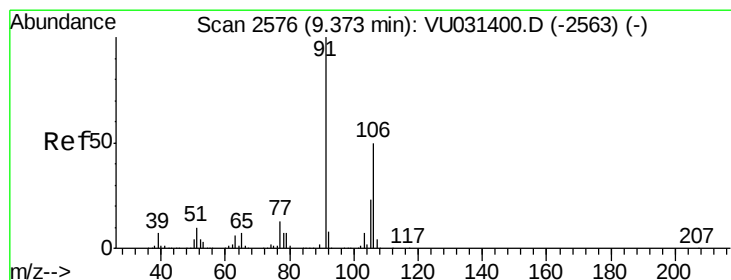
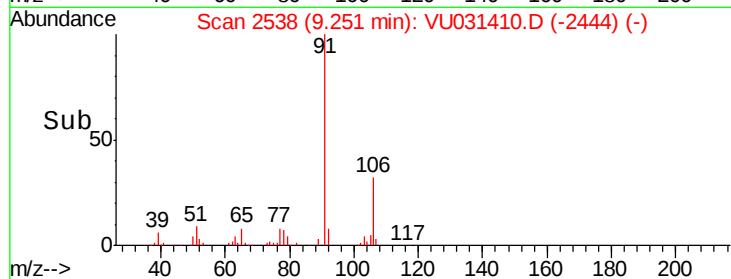
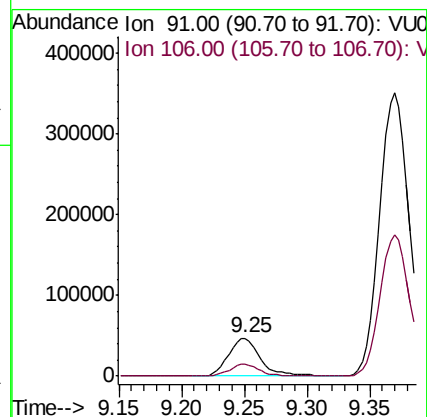
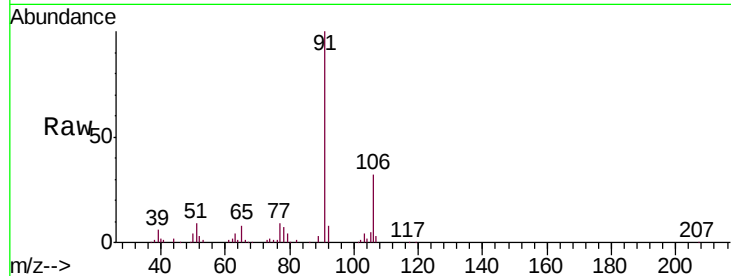
C0X35

Tgt Ion: 91 Resp: 82392

Ion Ratio Lower Upper

91 100

106 32.3 21.3 39.5



#53

m,p-Xylene

Concen: 38.893 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031410.D

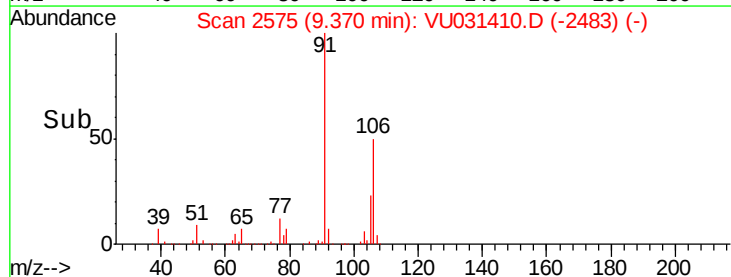
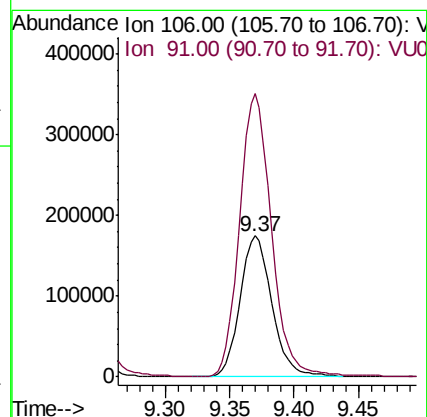
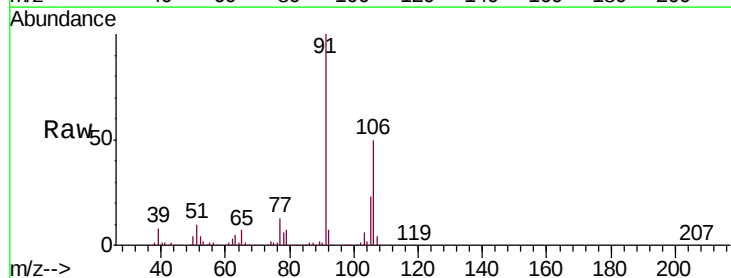
Acq: 22 Apr 2019 23:15

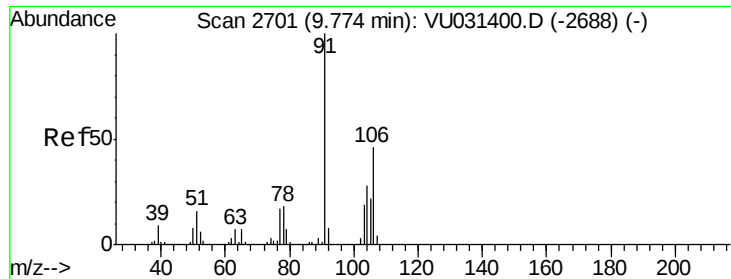
Tgt Ion: 106 Resp: 299735

Ion Ratio Lower Upper

106 100

91 201.1 141.5 262.7





#54

o-xylene

Concen: 23.893 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031410.D

Acq: 22 Apr 2019 23:15

Instrument :

MSVOA_U

ClientSampleId :

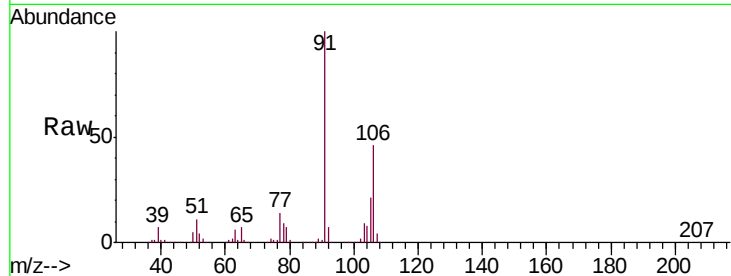
C0X35

Tgt Ion:106 Resp: 185127

Ion Ratio Lower Upper

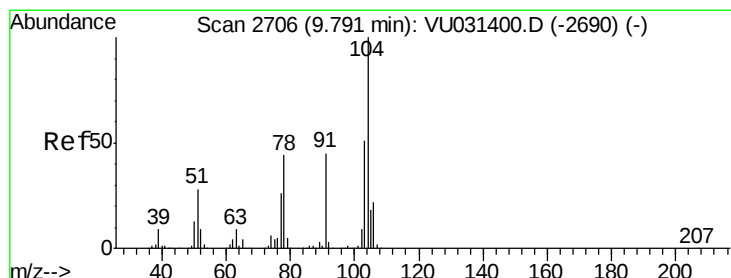
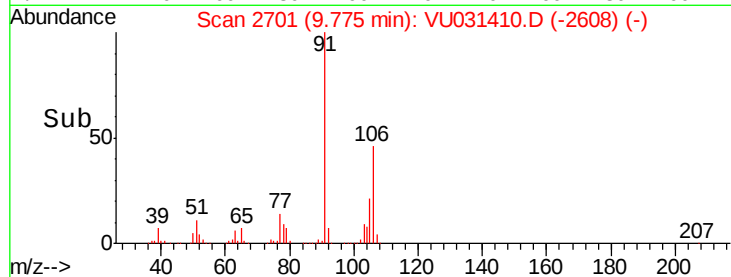
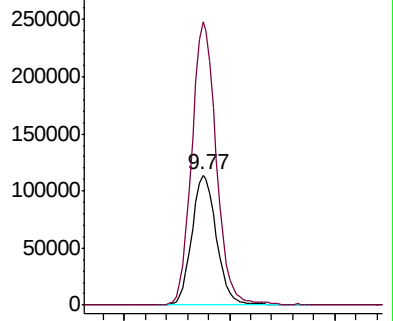
106 100

91 217.1 152.4 283.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 7.724 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031410.D

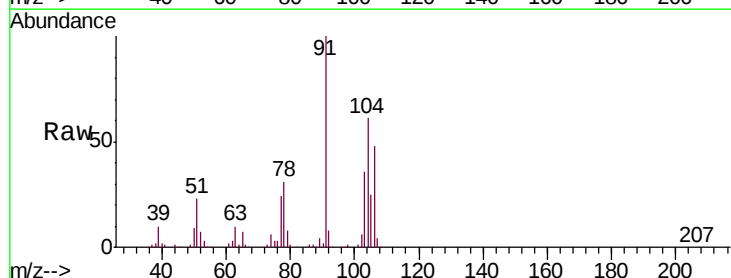
Acq: 22 Apr 2019 23:15

Tgt Ion:104 Resp: 99536

Ion Ratio Lower Upper

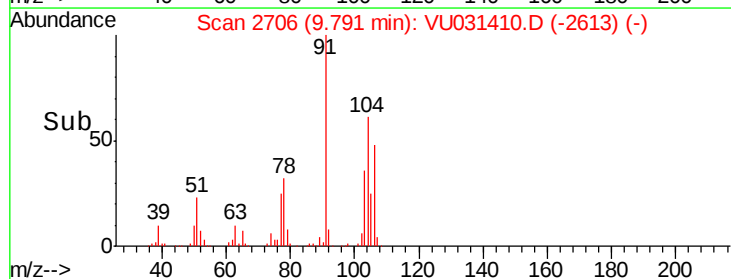
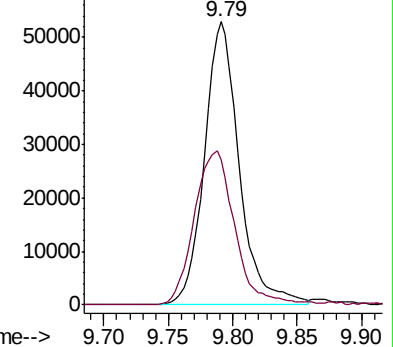
104 100

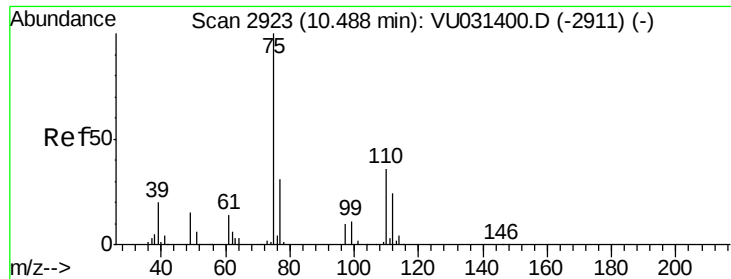
78 51.4 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

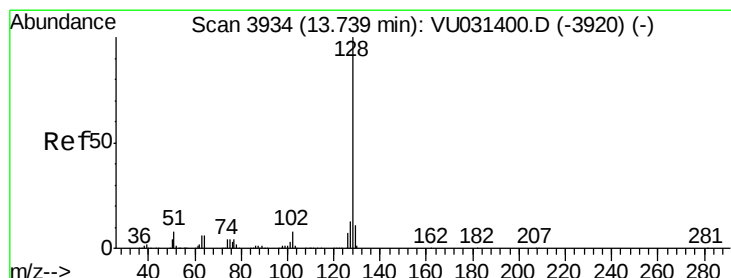
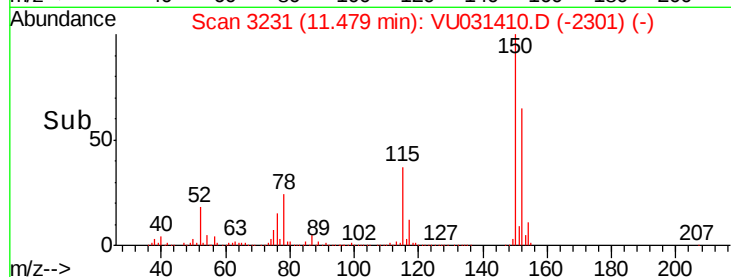
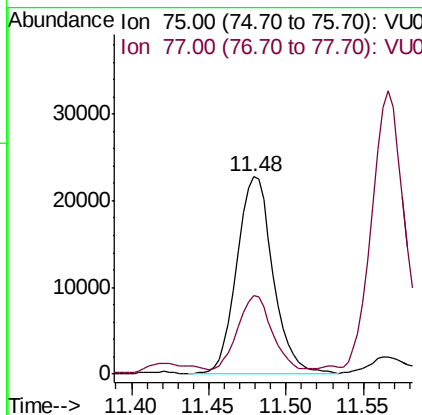
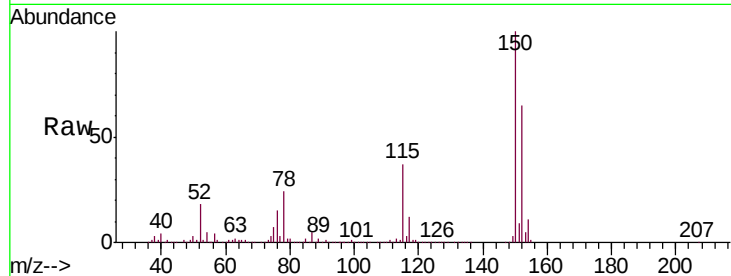




#59
 1,2,3-Trichloropropane
 Concen: 5.960 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU031410.D
 Acq: 22 Apr 2019 23:15

Instrument :
 MSVOA_U
 ClientSampled :
 C0X35

Tgt Ion: 75 Resp: 37219
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.6 38.4



#69
 Naphthalene
 Concen: 544.439 ug/L
 RT: 13.74 min Scan# 3933
 Delta R.T. -0.00 min
 Lab File: VU031410.D
 Acq: 22 Apr 2019 23:15

Tgt Ion: 128 Resp: 11139473
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.2 15.4
 129 10.9 8.6 13.0

