

Data File : VU031440.D
Acq On : 23 Apr 2019 15:59
Operator : JC/SP
Sample : K2536-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X22

Quant Time: Apr 24 06:05:26 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	738312	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	680537	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	325975	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	218424	36.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.02%
7) Chloroethane-d5	1.68	69	187147	41.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.16%
11) 1,1-Dichloroethene-d2	2.27	63	328479	31.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.12%
21) 2-Butanone-d5	4.19	46	434792	97.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.21%
24) Chloroform-d	4.64	84	402061	42.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.34%
26) 1,2-Dichloroethane-d4	5.31	65	253369	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.74%
32) Benzene-d6	5.33	84	869757	44.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.48%
36) 1,2-Dichloropropane-d6	6.33	67	286462	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.56%
41) Toluene-d8	7.56	98	777476	44.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.56%
43) trans-1,3-Dichloropropene-	7.85	79	123342	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.58%
47) 2-Hexanone-d5	8.31	63	319630	100.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	404151	47.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	293127	43.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.98%

Target Compounds

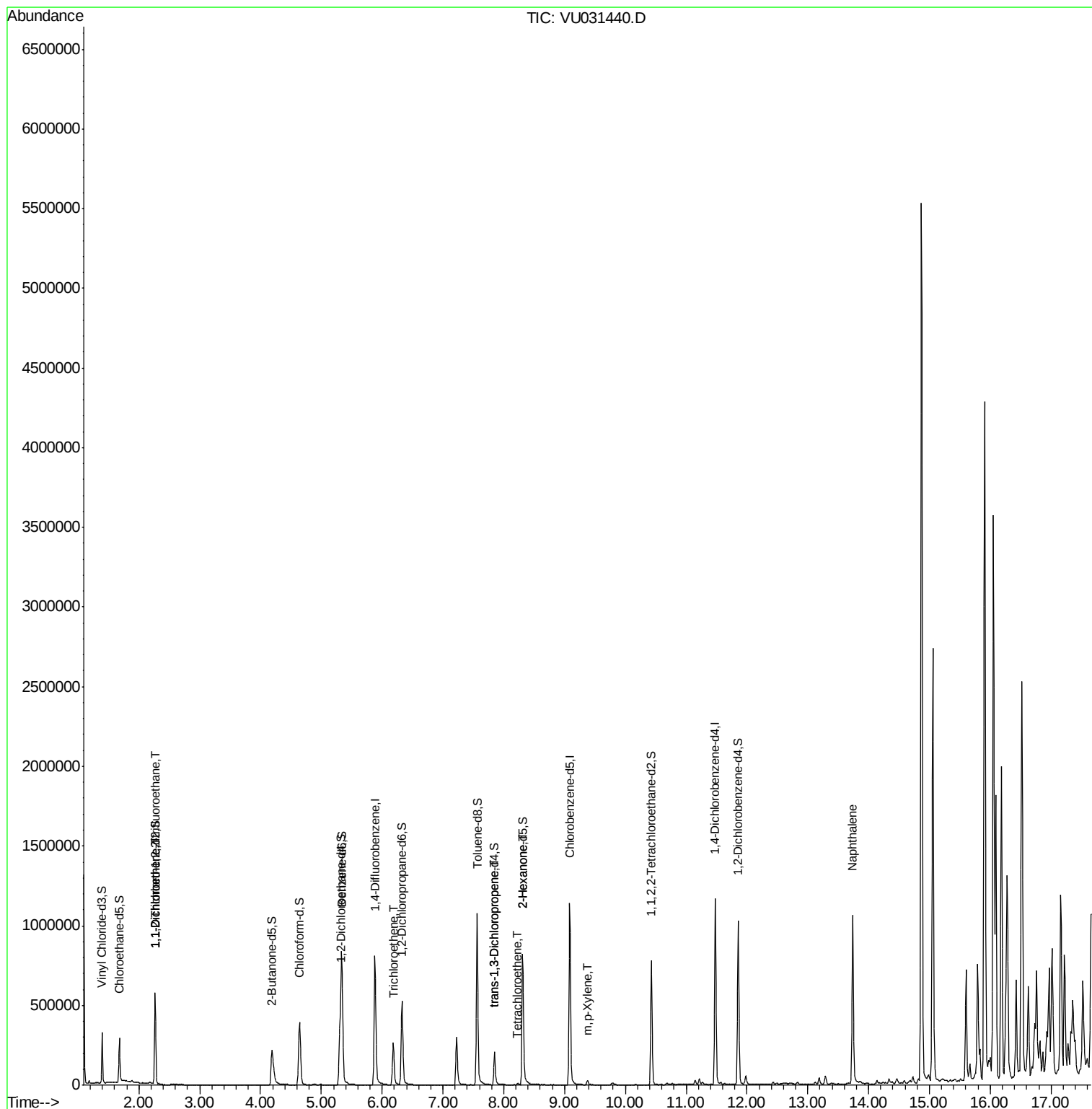
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3096	0.677	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	2681	0.596	ug/L #	1
34) Trichloroethene	6.18	95	97689	18.729	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	4374	0.646	ug/L #	35
46) Tetrachloroethene	8.22	164	2343	0.633	ug/L	96
48) 2-Hexanone	8.31	43	35404	5.692	ug/L #	69
53) m,p-Xylene	9.37	106	8680	1.086	ug/L	95
69) Naphthalene	13.74	128	920490	46.817	ug/L	99

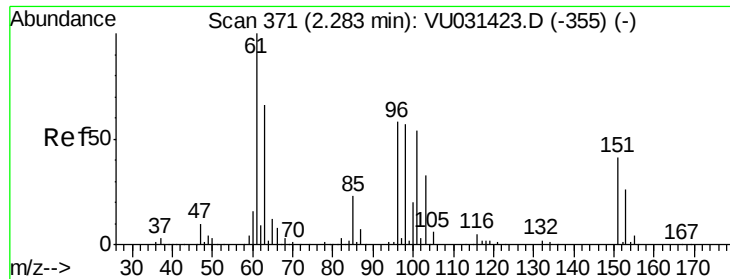
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.677 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

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ClientSampleId :

C0X22

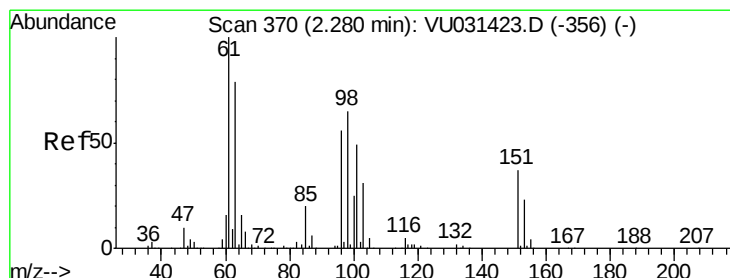
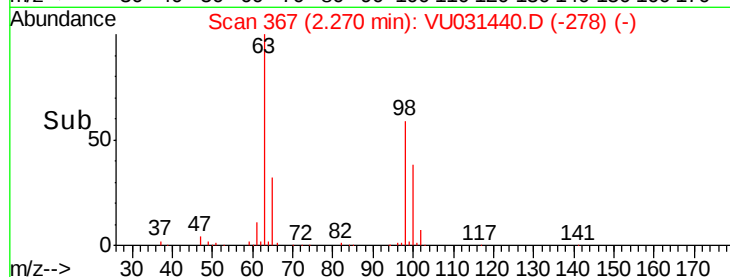
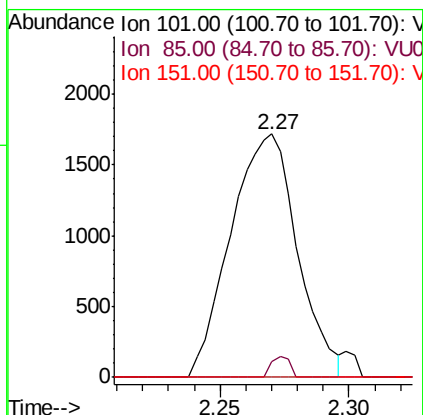
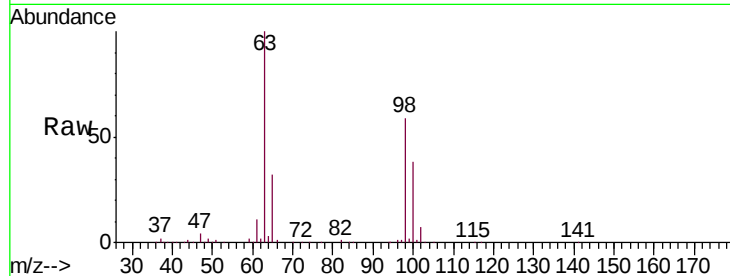
Tgt Ion:101 Resp: 3096

Ion Ratio Lower Upper

101 100

85 2.5 33.1 49.7#

151 0.0 61.4 92.0#



#12

1,1-Dichloroethene

Concen: 0.596 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU031440.D

Acq: 23 Apr 2019 15:59

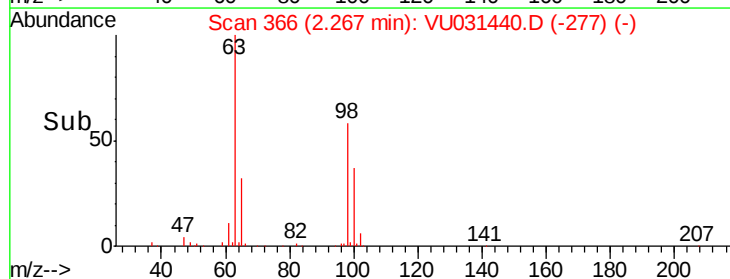
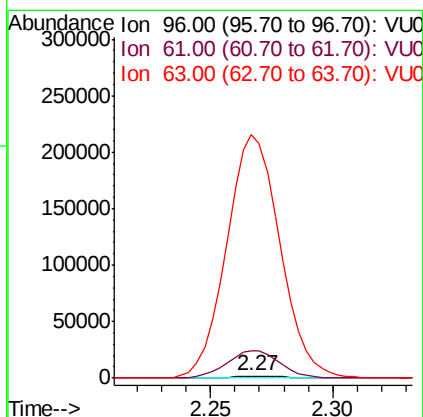
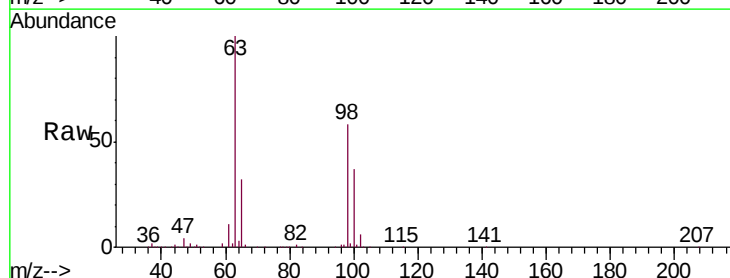
Tgt Ion: 96 Resp: 2681

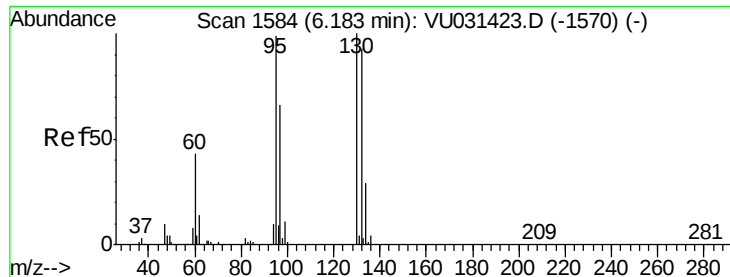
Ion Ratio Lower Upper

96 100

61 1359.4 118.9 220.9#

63 11912.0 99.3 184.3#





#34

Trichloroethene

Concen: 18.729 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU031440.D

Acq: 23 Apr 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

C0X22

Tgt Ion: 95 Resp: 97689

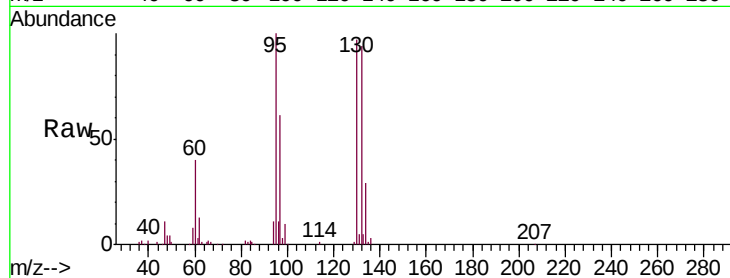
Ion Ratio Lower Upper

95 100

97 61.1 44.9 83.5

132 94.0 68.0 126.2

130 97.4 70.1 130.1

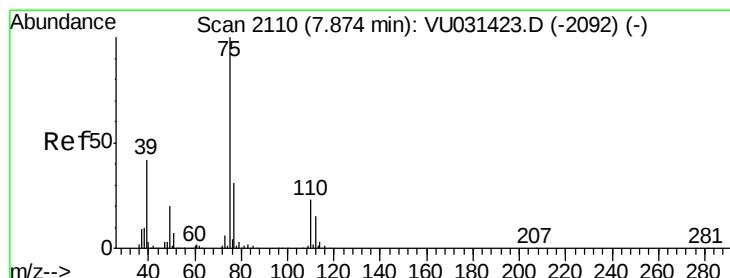
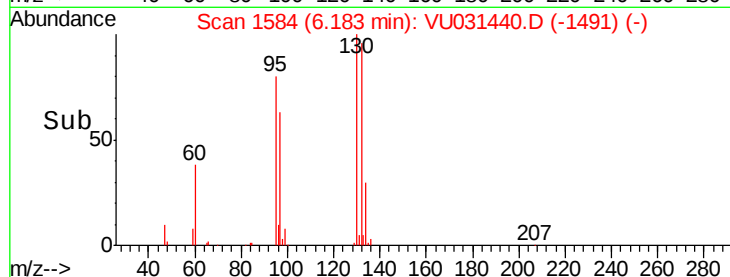
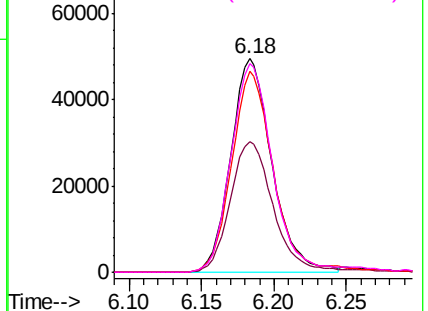


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

trans-1,3-Dichloropropene

Concen: 0.646 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031440.D

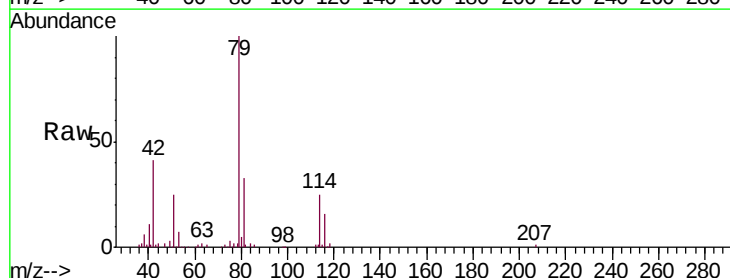
Acq: 23 Apr 2019 15:59

Tgt Ion: 75 Resp: 4374

Ion Ratio Lower Upper

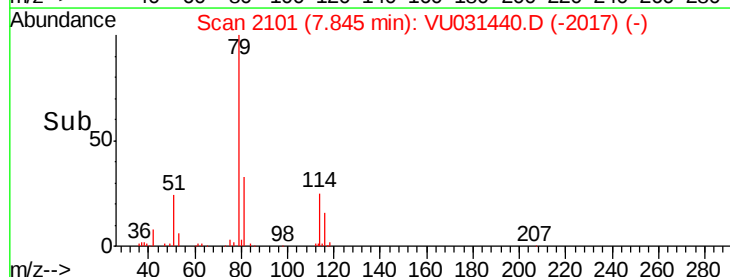
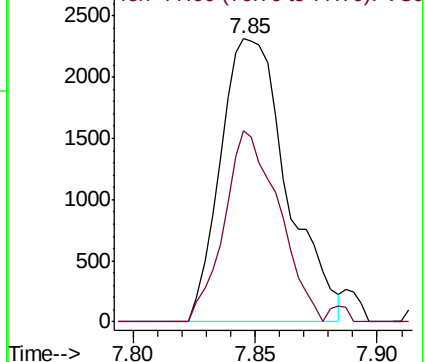
75 100

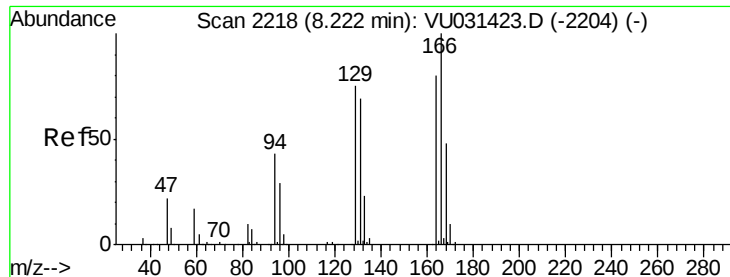
77 67.8 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

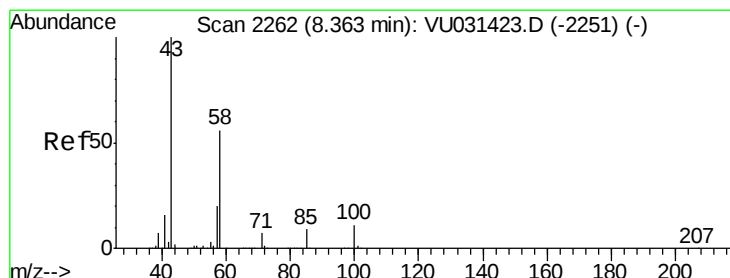
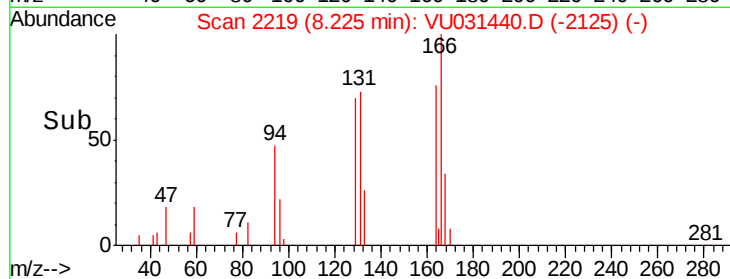
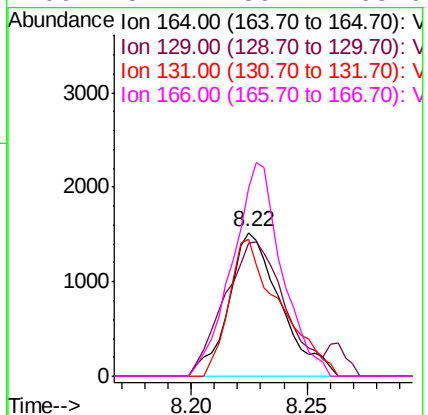
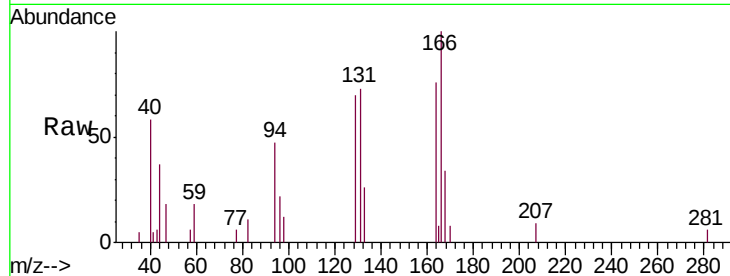




#46
Tetrachloroethene
Concen: 0.633 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031440.D
Acq: 23 Apr 2019 15:59

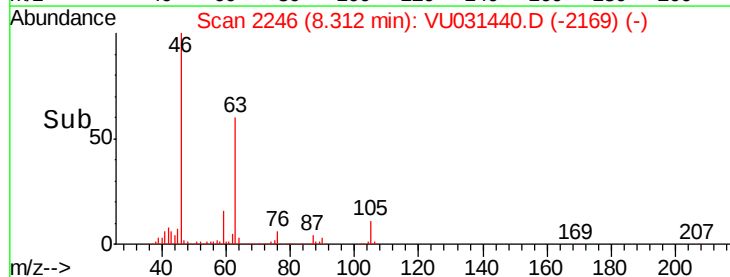
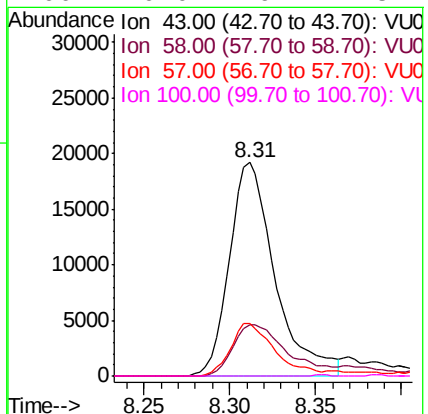
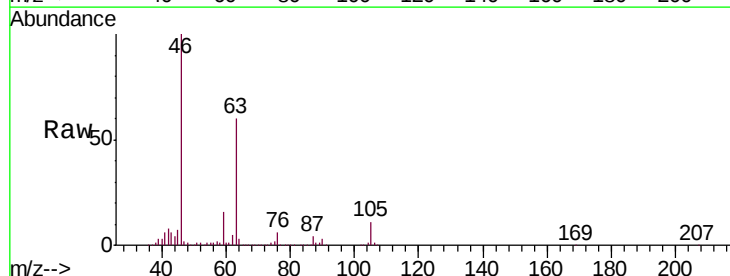
Instrument :
MSVOA_U
ClientSampleId :
C0X22

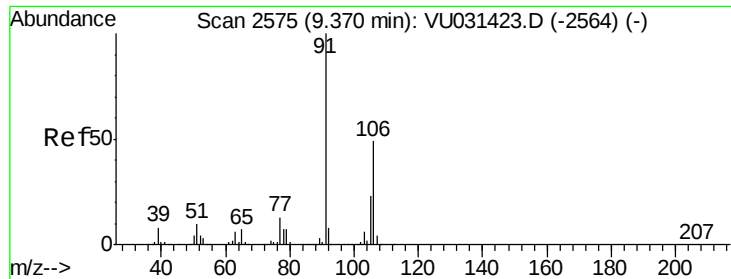
Tgt Ion:164 Resp: 2343
Ion Ratio Lower Upper
164 100
129 92.1 65.2 121.0
131 95.3 61.4 114.0
166 131.1 89.2 165.6



#48
2-Hexanone
Concen: 5.692 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU031440.D
Acq: 23 Apr 2019 15:59

Tgt Ion: 43 Resp: 35404
Ion Ratio Lower Upper
43 100
58 28.7 45.5 68.3#
57 23.7 15.2 22.8#
100 0.0 9.1 13.7#





#53

m,p-Xylene

Concen: 1.086 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031440.D

Acq: 23 Apr 2019 15:59

Instrument :

MSVOA_U

ClientSampleId :

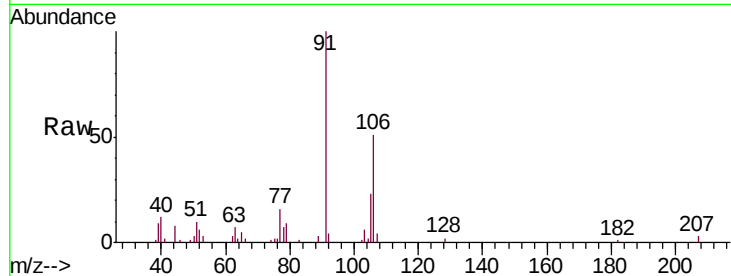
C0X22

Tgt Ion:106 Resp: 8680

Ion Ratio Lower Upper

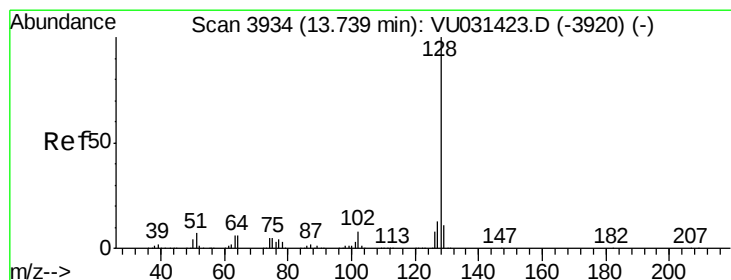
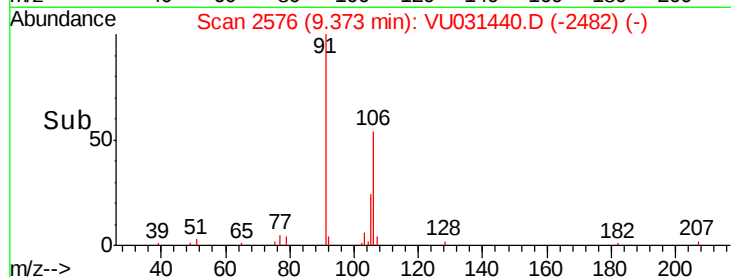
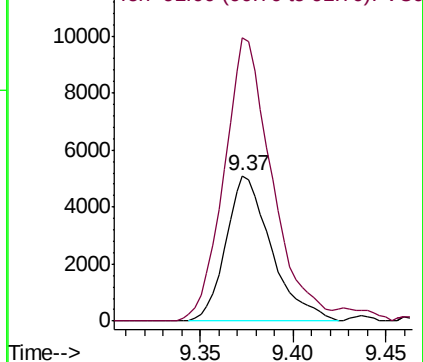
106 100

91 194.6 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

Naphthalene

Concen: 46.817 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU031440.D

Acq: 23 Apr 2019 15:59

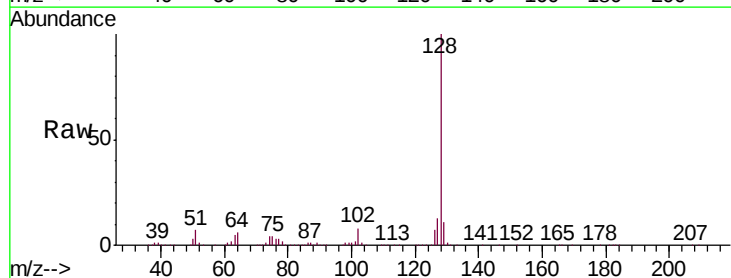
Tgt Ion:128 Resp: 920490

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

