

Data File : VU031718.D
Acq On : 02 May 2019 17:38
Operator : JC/SP
Sample : K2661-05 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0B25

Quant Time: May 03 07:28:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 03 07:25:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	947686	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	879581	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	365391	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	369976	46.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.30%
7) Chloroethane-d5	1.68	69	290638	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.84%
11) 1,1-Dichloroethene-d2	2.40	63	259	0.02	ug/L	0.13
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	4.19	46	699529	97.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.34%
24) Chloroform-d	4.64	84	598901	41.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.46%
26) 1,2-Dichloroethane-d4	5.31	65	394705	41.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.18%
32) Benzene-d6	5.33	84	1274387	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.36%
36) 1,2-Dichloropropane-d6	6.32	67	431971	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.92%
41) Toluene-d8	7.56	98	1087604	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%
43) trans-1,3-Dichloropropene-	7.85	79	186679	45.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.52%
47) 2-Hexanone-d5	8.31	63	455026	110.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.63%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	544276	42.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	353323	45.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.96%

Target Compounds

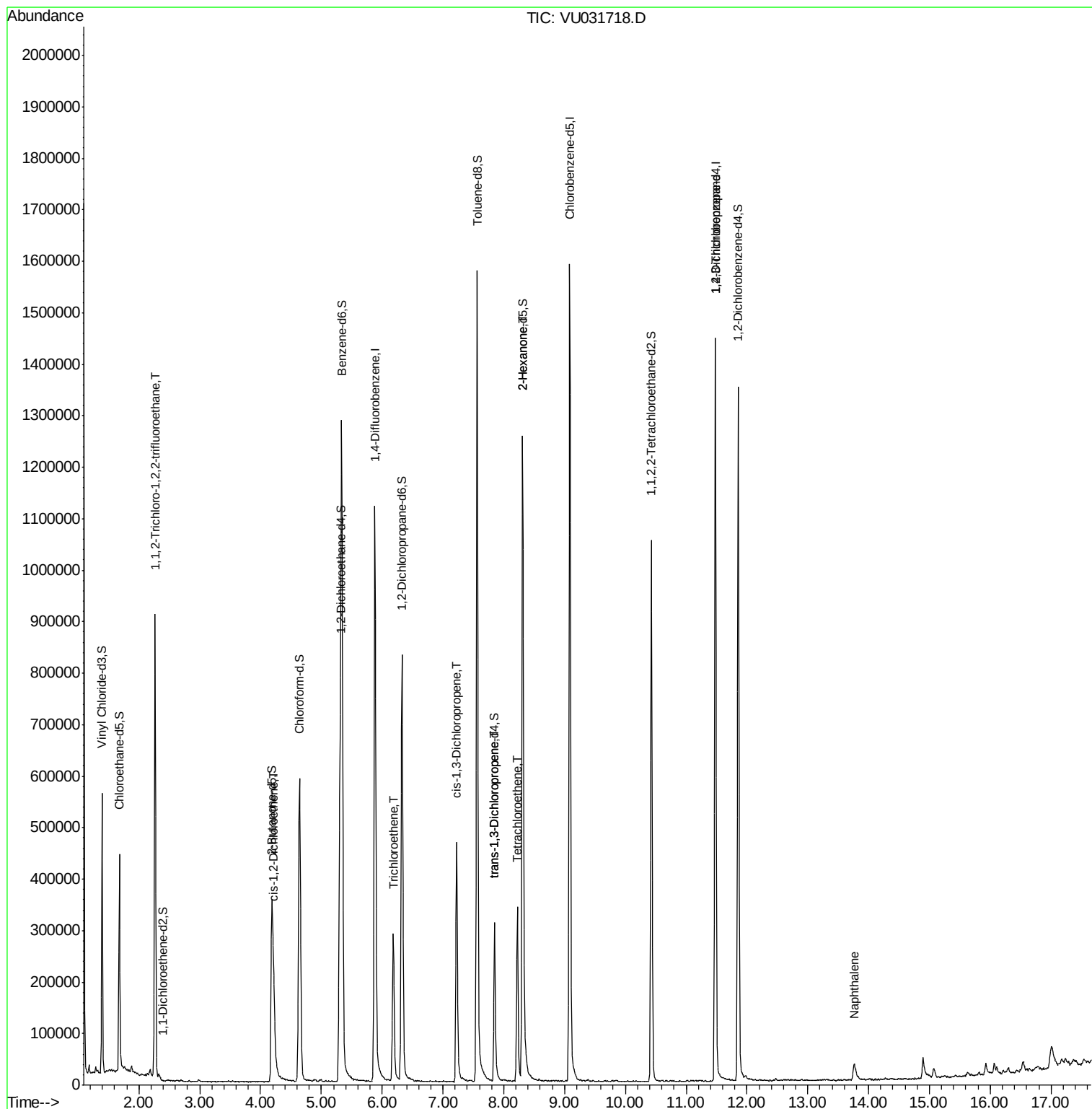
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5221	0.687	ug/L #	22
20) cis-1,2-Dichloroethene	4.22	96	30316	3.668	ug/L	98
34) Trichloroethene	6.18	95	107699	13.739	ug/L	97
39) cis-1,3-Dichloropropene	7.22	75	10225	0.843	ug/L	83
44) trans-1,3-Dichloropropene	7.85	75	7123	0.647	ug/L	89
46) Tetrachloroethene	8.22	164	78000	14.595	ug/L	96
48) 2-Hexanone	8.31	43	55534	4.861	ug/L #	77
59) 1,2,3-Trichloropropane	11.48	75	48395	4.446	ug/L	93
69) Naphthalene	13.77	128	43649	1.785	ug/L #	96

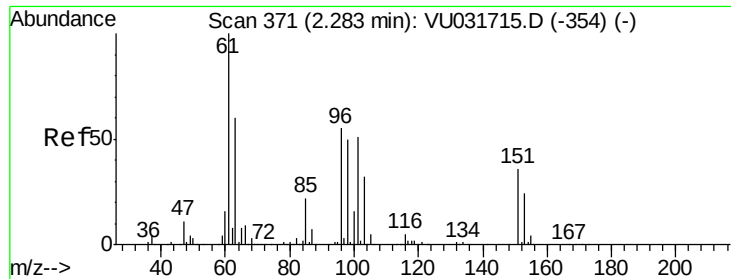
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.687 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

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Instrument :

MSVOA_U

ClientSampleId :

C0B25

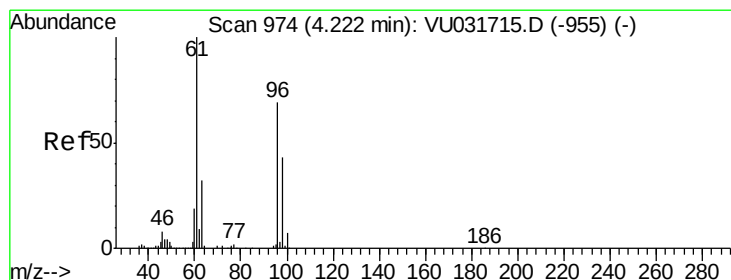
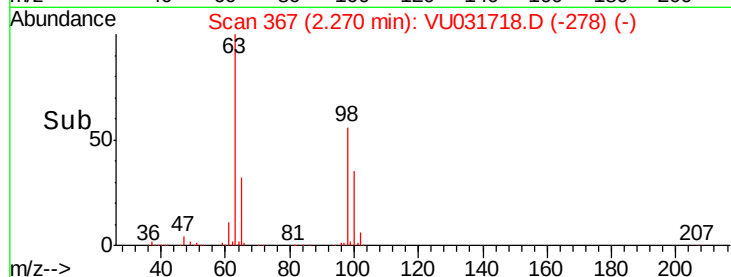
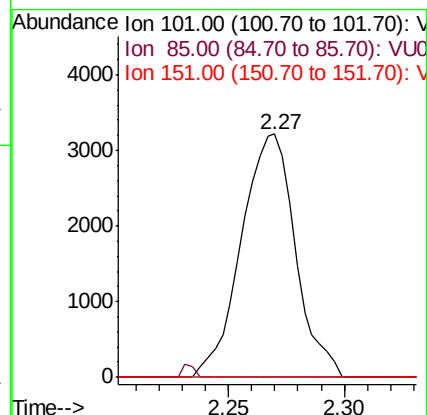
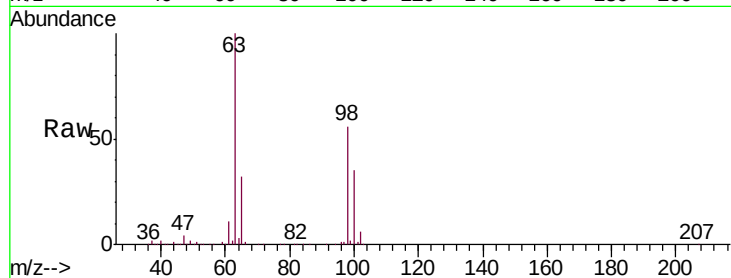
Tgt Ion: 101 Resp: 5221

Ion Ratio Lower Upper

101 100

85 1.1 36.1 54.1#

151 0.8 56.1 84.1#



#20

cis-1,2-Dichloroethene

Concen: 3.668 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031718.D

Acq: 02 May 2019 17:38

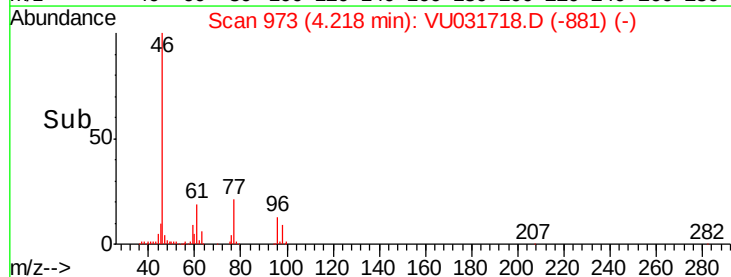
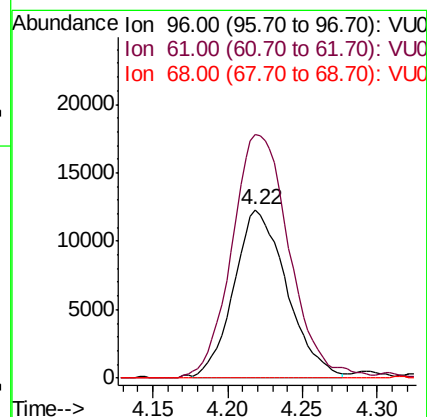
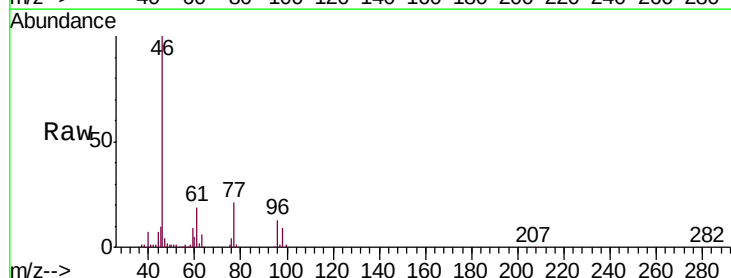
Tgt Ion: 96 Resp: 30316

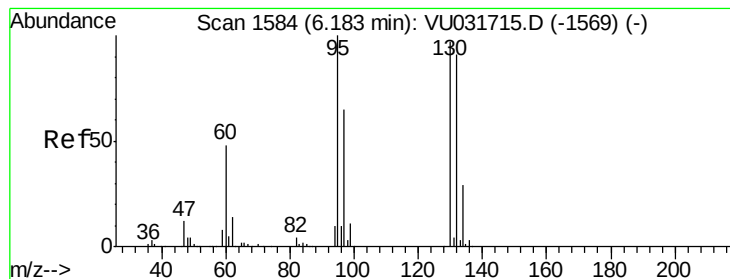
Ion Ratio Lower Upper

96 100

61 144.8 99.5 184.7

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 13.739 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031718.D

Acq: 02 May 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

C0B25

Tgt Ion: 95 Resp: 107699

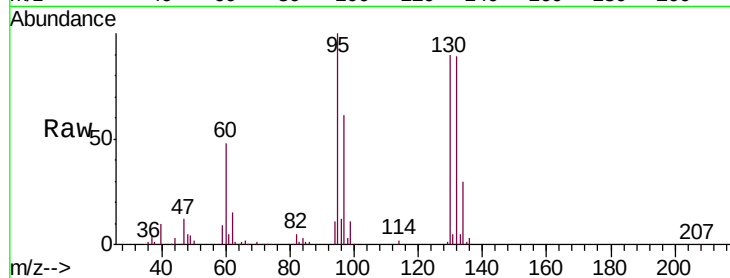
Ion Ratio Lower Upper

95 100

97 60.9 44.8 83.2

132 89.4 63.1 117.1

130 89.6 66.5 123.5

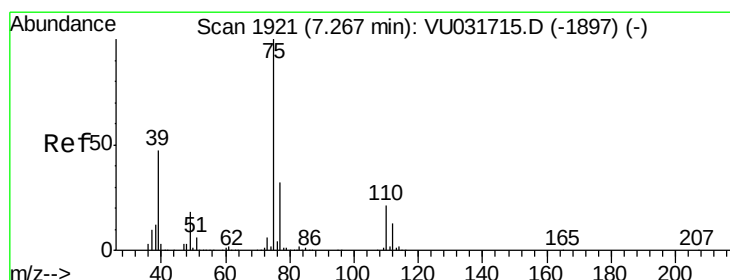
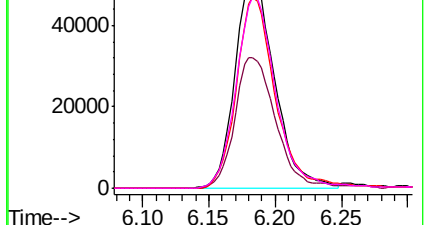
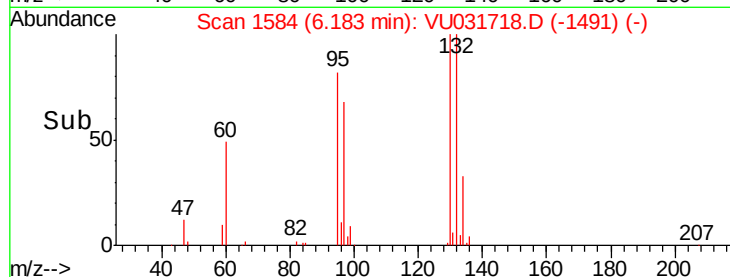


Abundance Ion 95.00 (94.70 to 95.70): VU031718.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU031718.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU031718.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU031718.D (-1569) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.843 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031718.D

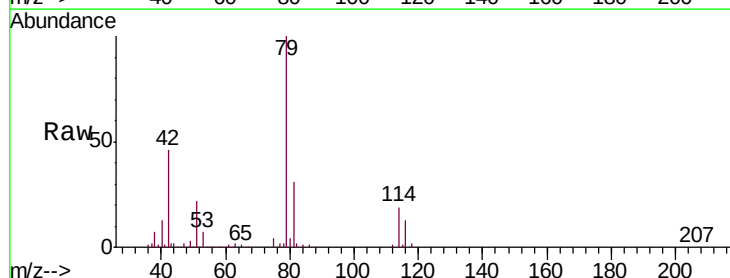
Acq: 02 May 2019 17:38

Tgt Ion: 75 Resp: 10225

Ion Ratio Lower Upper

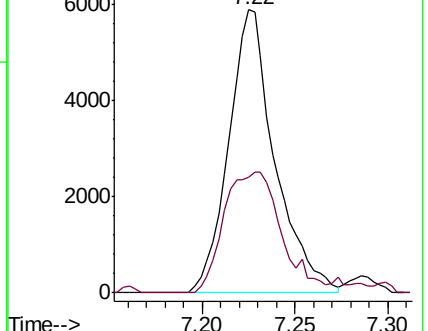
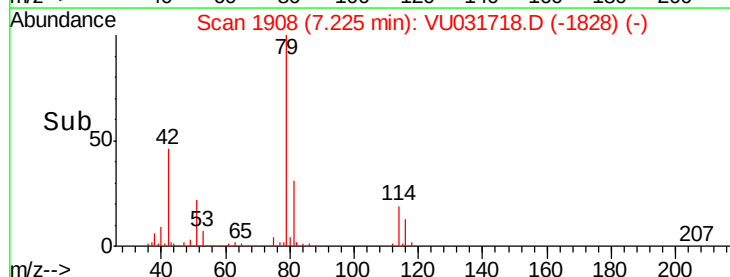
75 100

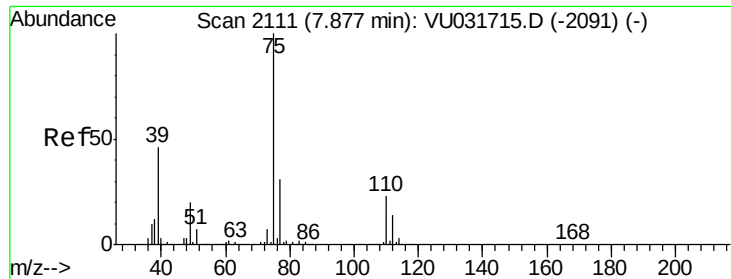
77 40.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031718.D (-1897) (-)

Ion 77.00 (76.70 to 77.70): VU031718.D (-1897) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.647 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031718.D

Acq: 02 May 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

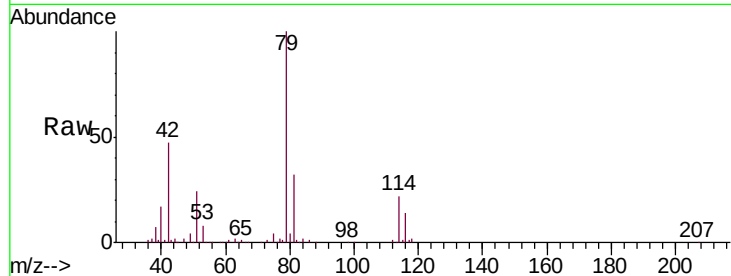
C0B25

Tgt Ion: 75 Resp: 7123

Ion Ratio Lower Upper

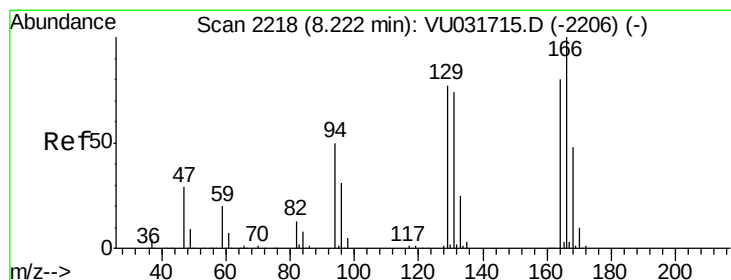
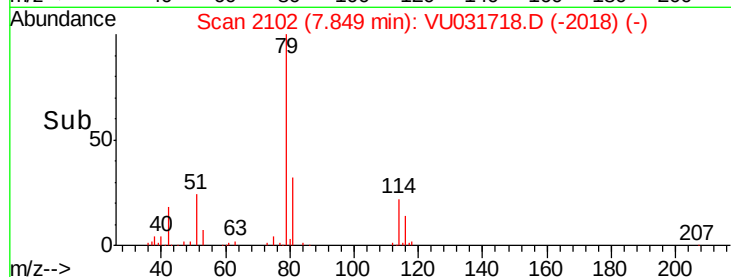
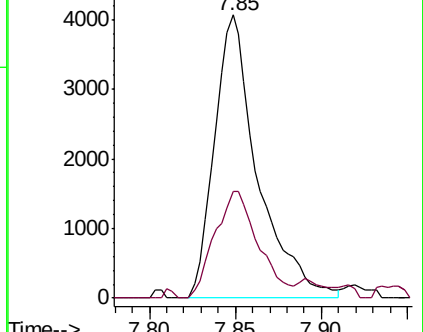
75 100

77 37.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031715.D (-2091) (-)

Ion 77.00 (76.70 to 77.70): VU031715.D (-2091) (-)



#46

Tetrachloroethene

Concen: 14.595 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031718.D

Acq: 02 May 2019 17:38

Tgt Ion: 164 Resp: 78000

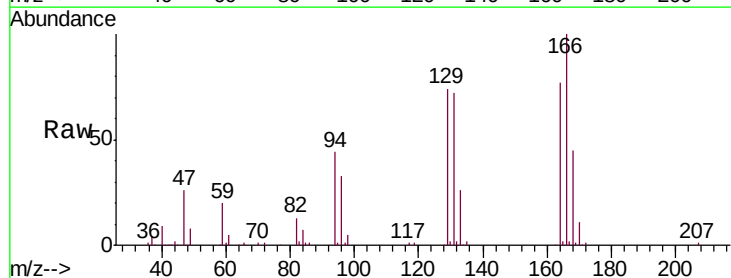
Ion Ratio Lower Upper

164 100

129 96.7 71.5 132.9

131 93.6 69.0 128.2

166 129.9 93.7 173.9

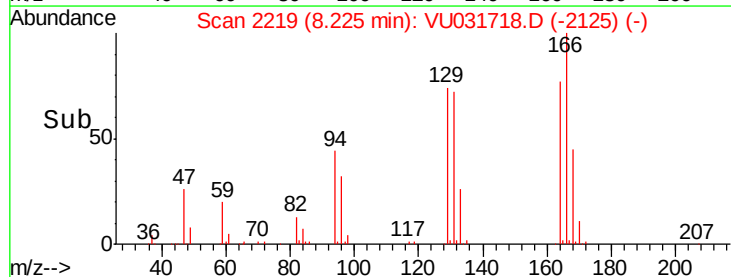
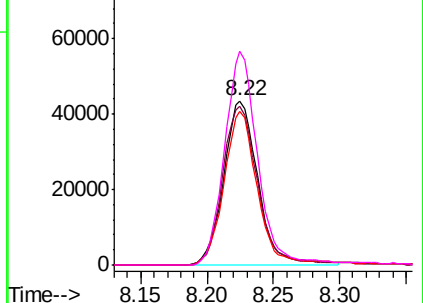


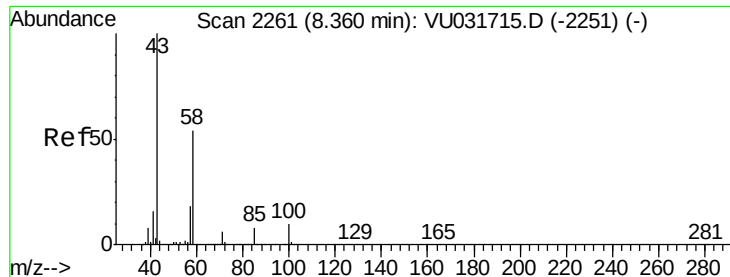
Abundance Ion 164.00 (163.70 to 164.70): VU031715.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU031715.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU031715.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU031715.D (-2206) (-)





#48

2-Hexanone

Concen: 4.861 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU031718.D

Acq: 02 May 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

C0B25

Tgt Ion: 43 Resp: 55534

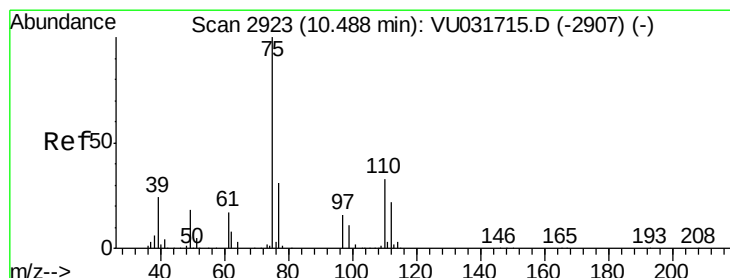
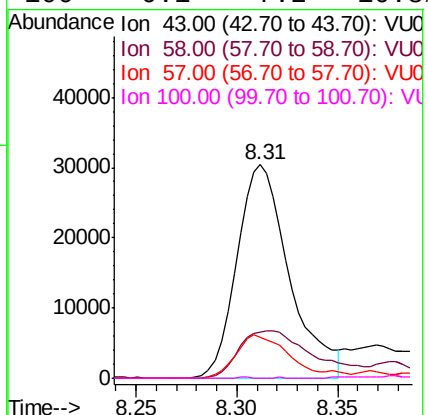
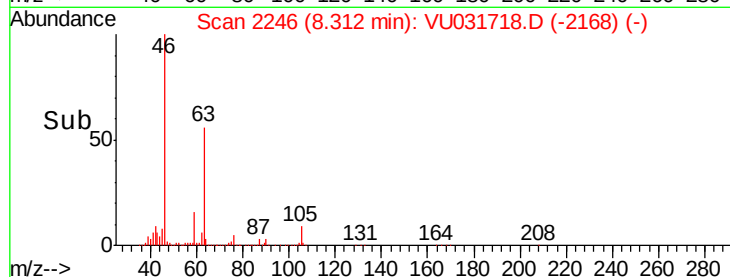
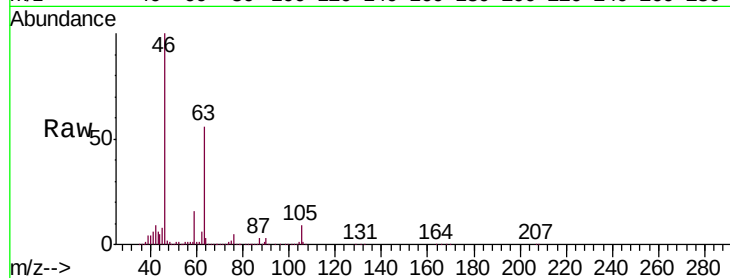
Ion Ratio Lower Upper

43 100

58 32.0 42.1 63.1#

57 20.1 14.6 22.0

100 0.1 7.2 10.8#



#59

1,2,3-Trichloropropane

Concen: 4.446 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031718.D

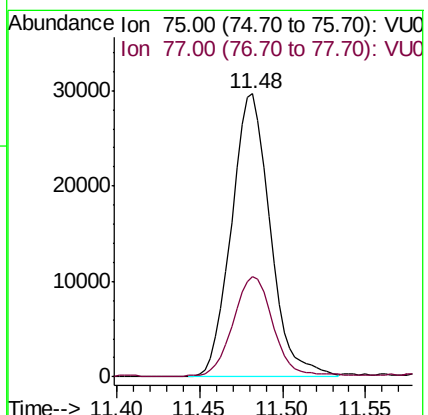
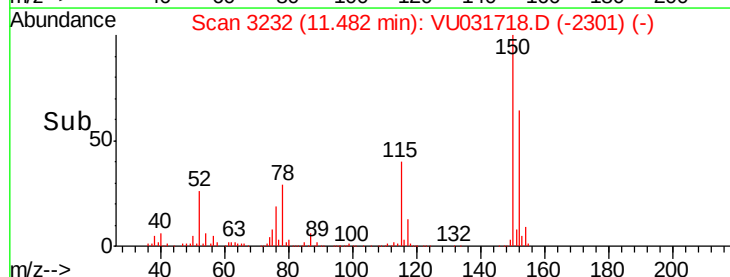
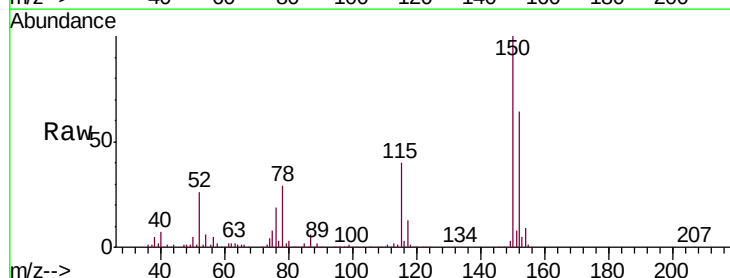
Acq: 02 May 2019 17:38

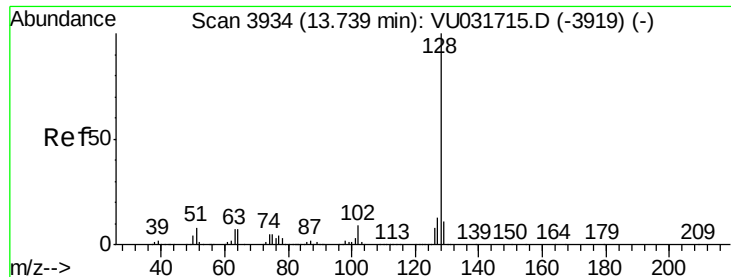
Tgt Ion: 75 Resp: 48395

Ion Ratio Lower Upper

75 100

77 36.4 25.9 38.9





#69

Naphthalene

Concen: 1.785 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.03 min

Lab File: VU031718.D

Acq: 02 May 2019 17:38

Instrument :

MSVOA_U

ClientSampleId :

C0B25

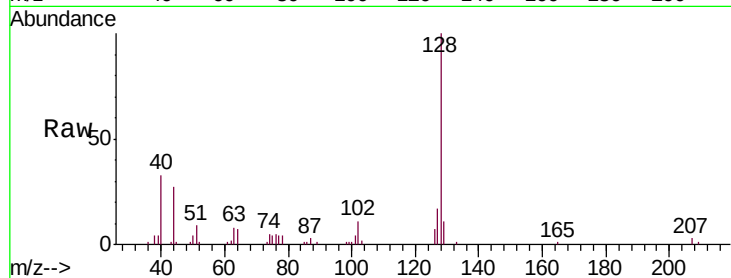
Tgt Ion:128 Resp: 43649

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

129 7.9 8.7 13.1#



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

