

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032296.D
 Acq On : 24 May 2019 08:17
 Operator : JC/SP
 Sample : K3018-08 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 24 09:55:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 07:24:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	769397	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	770729	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	322509	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	241960	60.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	120.32%
7) Chloroethane-d5	1.67	69	217848	56.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.88%
11) 1,1-Dichloroethene-d2	2.26	63	340403	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.36%
21) 2-Butanone-d5	4.17	46	364195	94.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.92%
24) Chloroform-d	4.64	84	483013	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
26) 1,2-Dichloroethane-d4	5.30	65	298970	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
32) Benzene-d6	5.33	84	1017151	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.66%
36) 1,2-Dichloropropane-d6	6.32	67	308968	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.92%
41) Toluene-d8	7.56	98	909469	50.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.26%
43) trans-1,3-Dichloropropene-	7.85	79	126385	43.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.98%
47) 2-Hexanone-d5	8.31	63	244886	93.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	473425	45.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.74%
64) 1,2-Dichlorobenzene-d4	11.85	152	357696	52.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.54%

Target Compounds

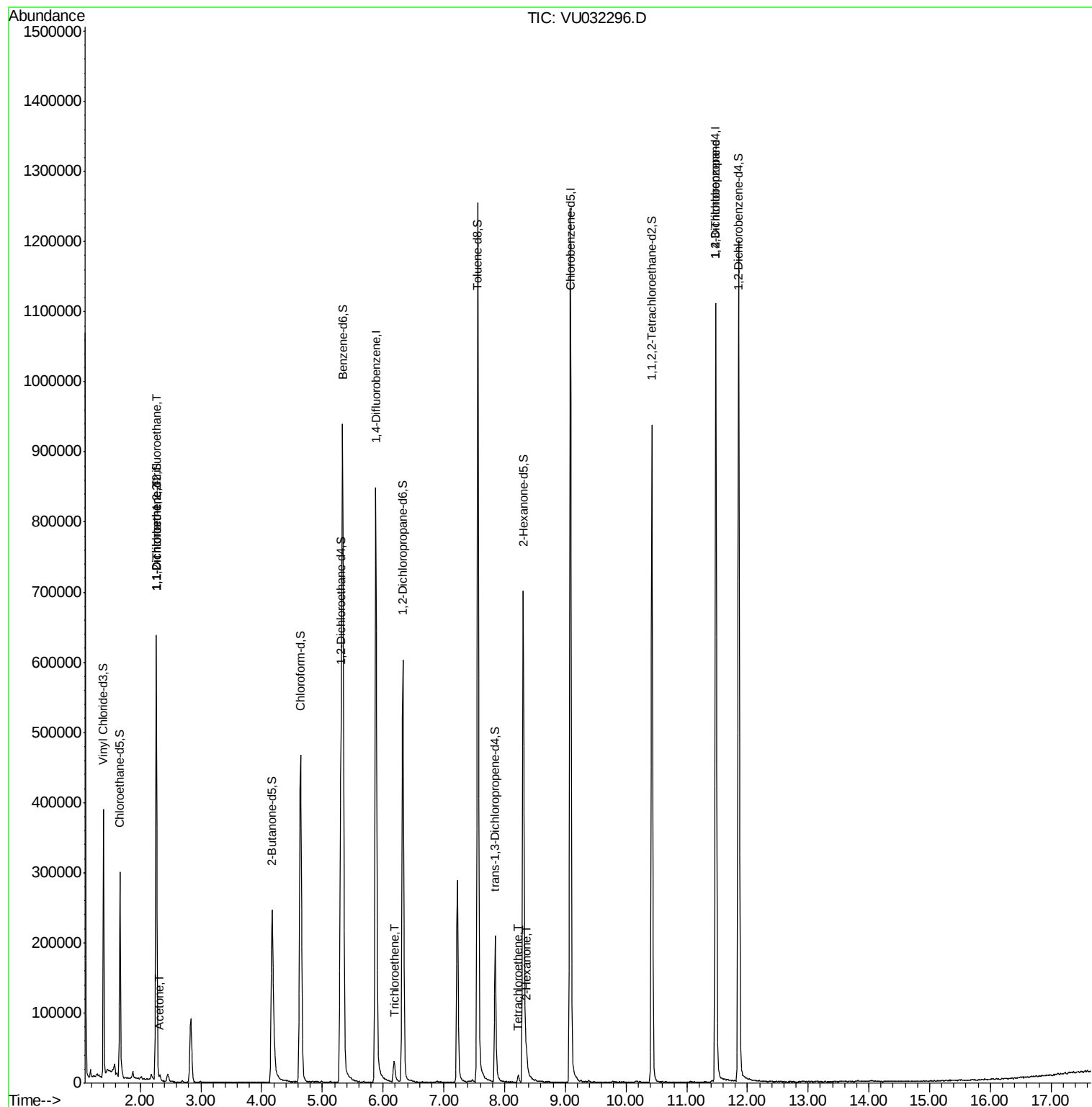
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	4045	1.000 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	3133	0.695 ug/L #	1
13) Acetone	2.32	43	4918	1.590 ug/L	86
34) Trichloroethene	6.19	95	7202	1.321 ug/L	92
46) Tetrachloroethene	8.22	164	2808	0.686 ug/L	86
48) 2-Hexanone	8.37	43	12992	2.101 ug/L #	92
59) 1,2,3-Trichloropropane	11.48	75	34290	4.040 ug/L	91

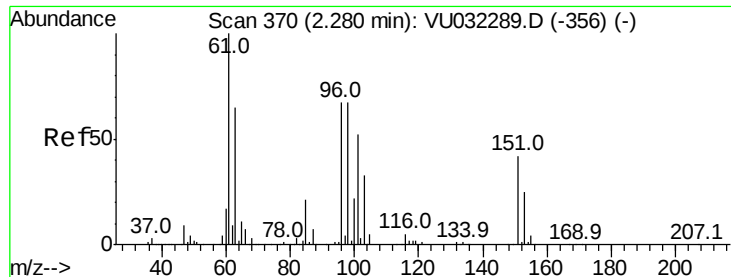
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 24 07:24:18 2019
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#10

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

Concen: 1.000 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032296.D

Acq: 24 May 2019 08:17

Instrument :

MSVOA_U

ClientSampleId :

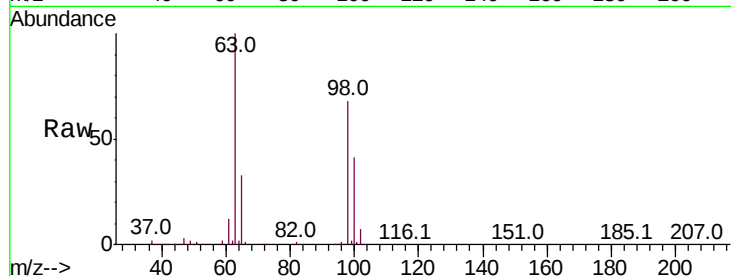
Tot Ion:101 Resp: 4045

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

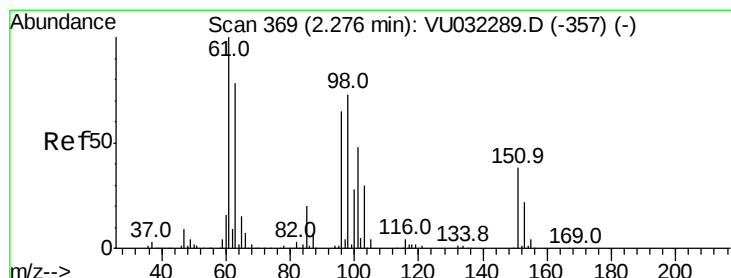
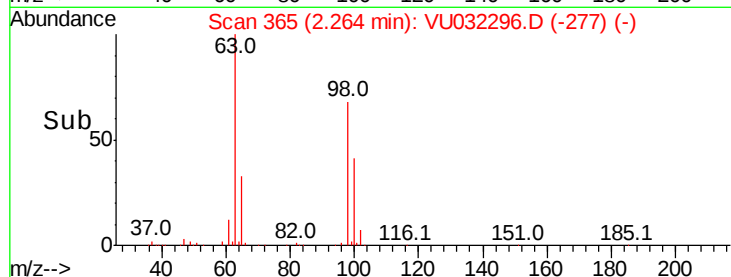
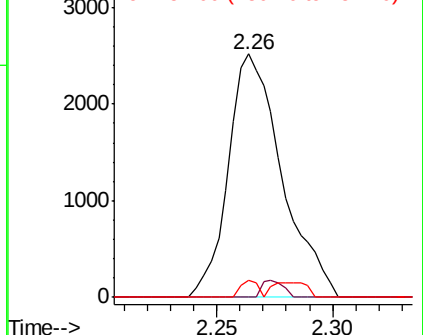
151 2.1 63.5 95.3#



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: 0.695 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032296.D

Acq: 24 May 2019 08:17

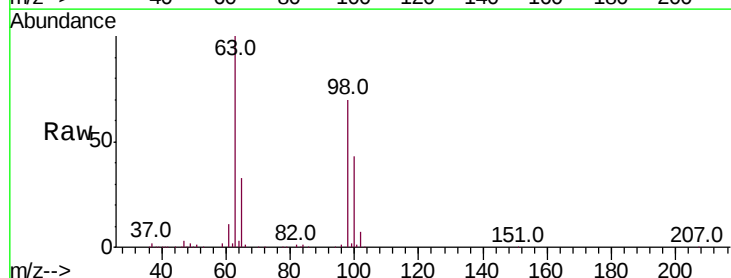
Tgt Ion: 96 Resp: 3133

Ion Ratio Lower Upper

96 100

61 1337.7 108.0 200.6#

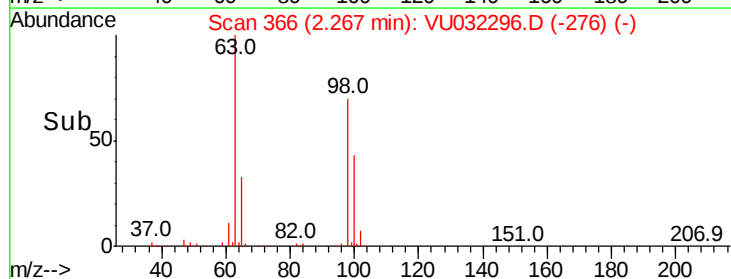
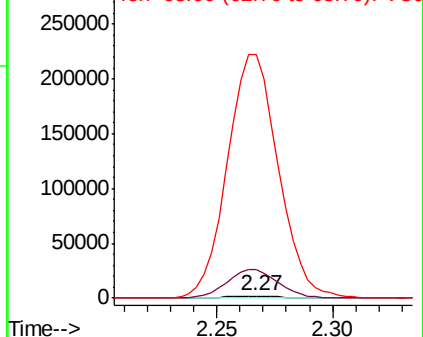
63 11633.3 85.5 158.7#

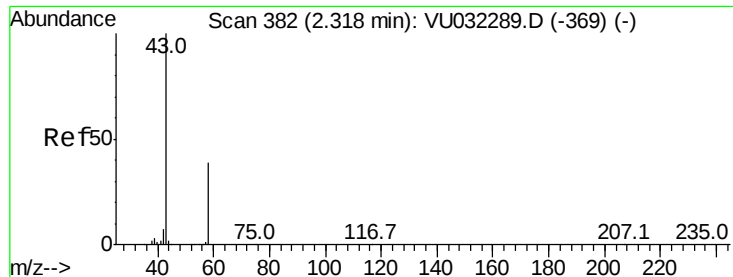


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.590 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032296.D

Acq: 24 May 2019 08:17

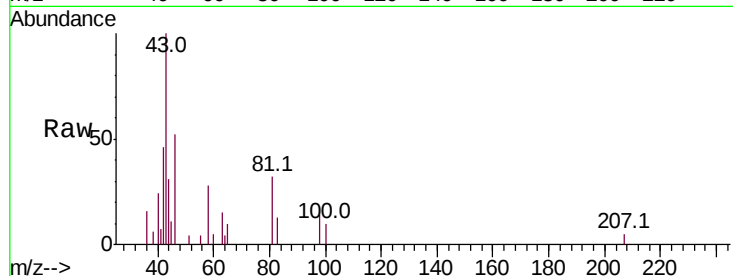
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 4918

Ion Ratio Lower Upper

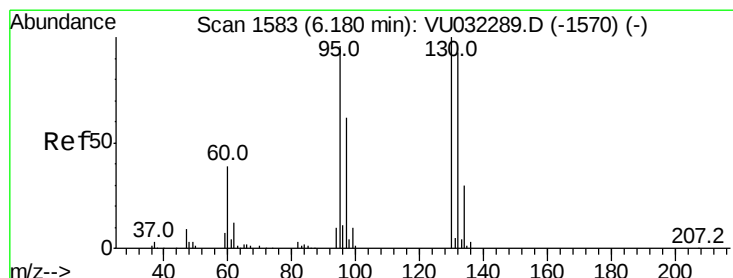
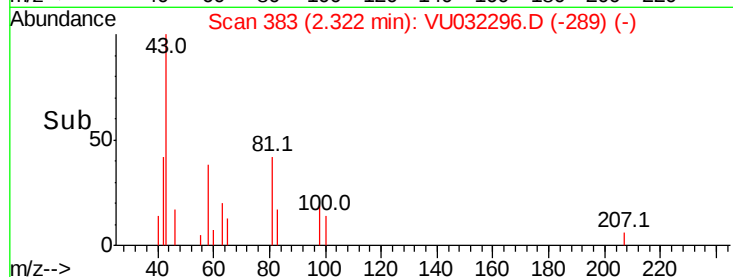
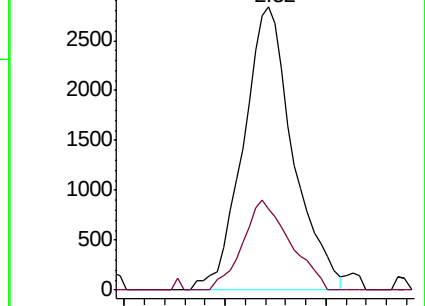
43 100

58 30.1 0.0 77.2



Abundance Ion 43.00 (42.70 to 43.70): VU032289.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VU032289.D (-369) (-)



#34

Trichloroethene

Concen: 1.321 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU032296.D

Acq: 24 May 2019 08:17

Tgt Ion: 95 Resp: 7202

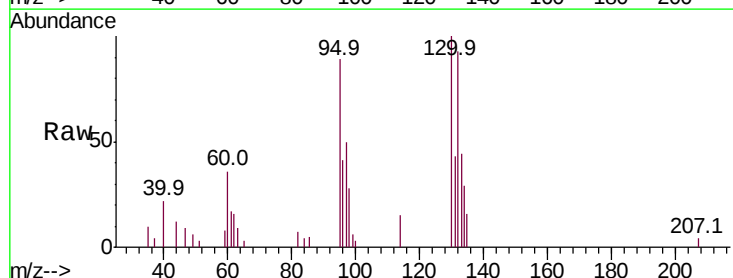
Ion Ratio Lower Upper

95 100

97 56.4 45.3 84.1

132 104.0 68.0 126.2

130 111.8 73.2 136.0

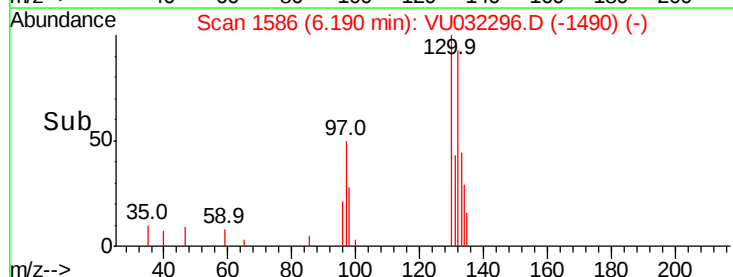
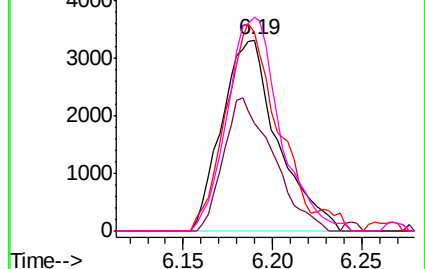


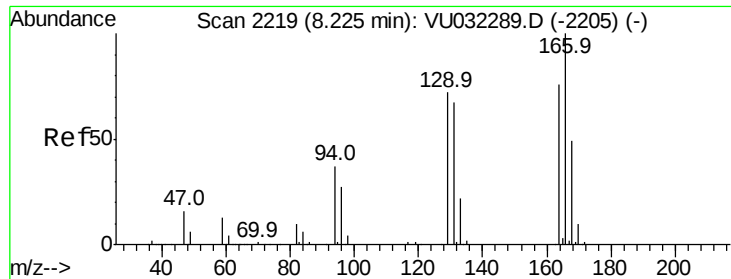
Abundance Ion 95.00 (94.70 to 95.70): VU032289.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032289.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032289.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032289.D (-1570) (-)





#46

Tetrachloroethene

Concen: 0.686 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032296.D

Acq: 24 May 2019 08:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 2808

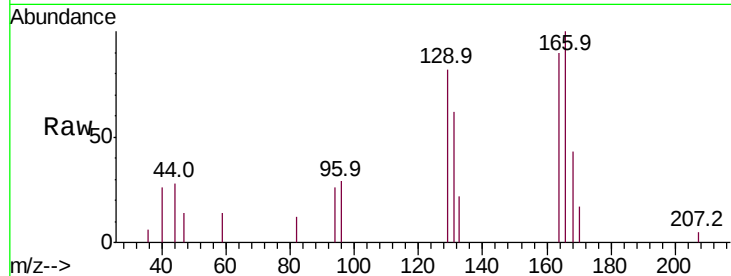
Ion Ratio Lower Upper

164 100

129 91.0 66.2 123.0

131 68.4 61.9 114.9

166 110.9 91.8 170.4



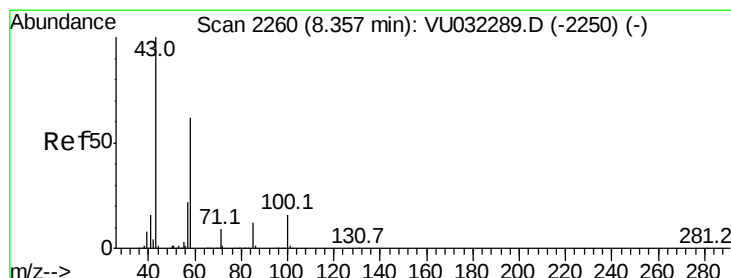
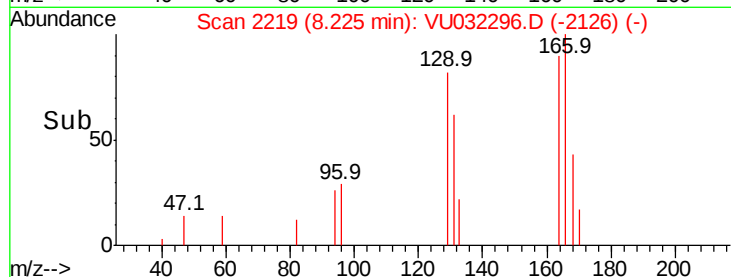
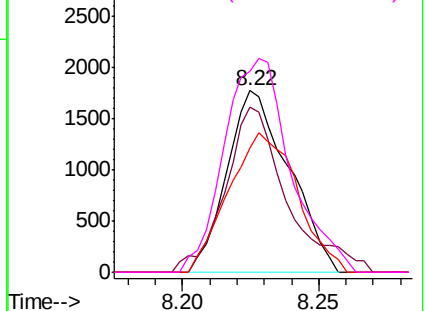
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 2.101 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU032296.D

Acq: 24 May 2019 08:17

Tgt Ion: 43 Resp: 12992

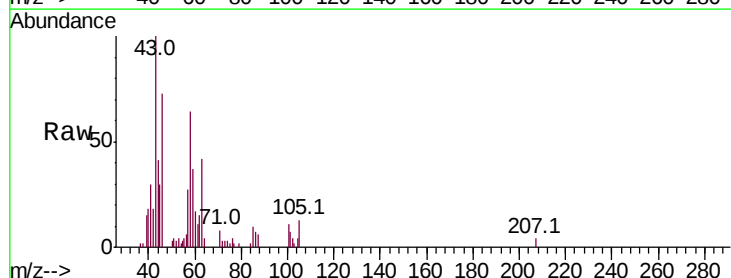
Ion Ratio Lower Upper

43 100

58 66.0 51.4 77.0

57 13.3 17.8 26.8#

100 10.2 12.8 19.2#



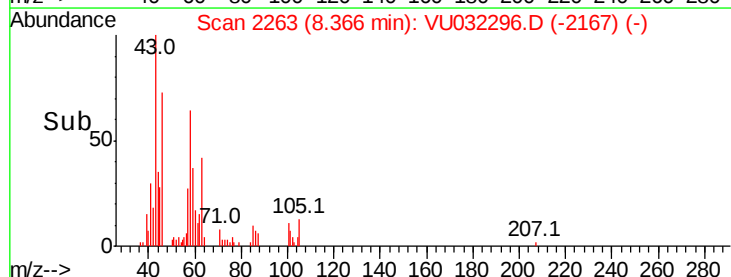
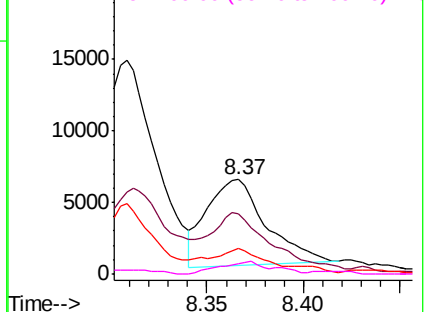
Abundance

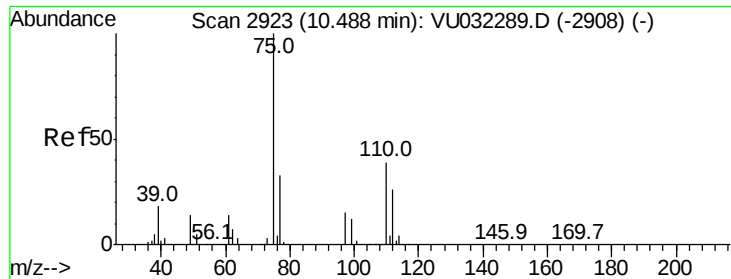
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.040 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032296.D

Acq: 24 May 2019 08:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 34290

Ion Ratio Lower Upper

75 100

77 37.0 25.7 38.5

