

Data File : VU032310.D
Acq On : 24 May 2019 13:50
Operator : JC/SP
Sample : K3018-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0XJ6

Quant Time: May 24 23:37:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 23:32:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	795459	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	773682	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	330056	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	227784	54.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.56%
7) Chloroethane-d5	1.67	69	206185	51.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.34%
11) 1,1-Dichloroethene-d2	2.27	63	331585	40.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.42%
21) 2-Butanone-d5	4.17	46	346469	87.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.34%
24) Chloroform-d	4.64	84	472613	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.16%
26) 1,2-Dichloroethane-d4	5.30	65	292494	43.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.86%
32) Benzene-d6	5.33	84	982260	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.72%
36) 1,2-Dichloropropane-d6	6.32	67	293458	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.60%
41) Toluene-d8	7.56	98	883593	49.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	7.85	79	131725	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.36%
47) 2-Hexanone-d5	8.31	63	235027	89.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	449875	42.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.90%
64) 1,2-Dichlorobenzene-d4	11.85	152	339721	48.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.96%

Target Compounds

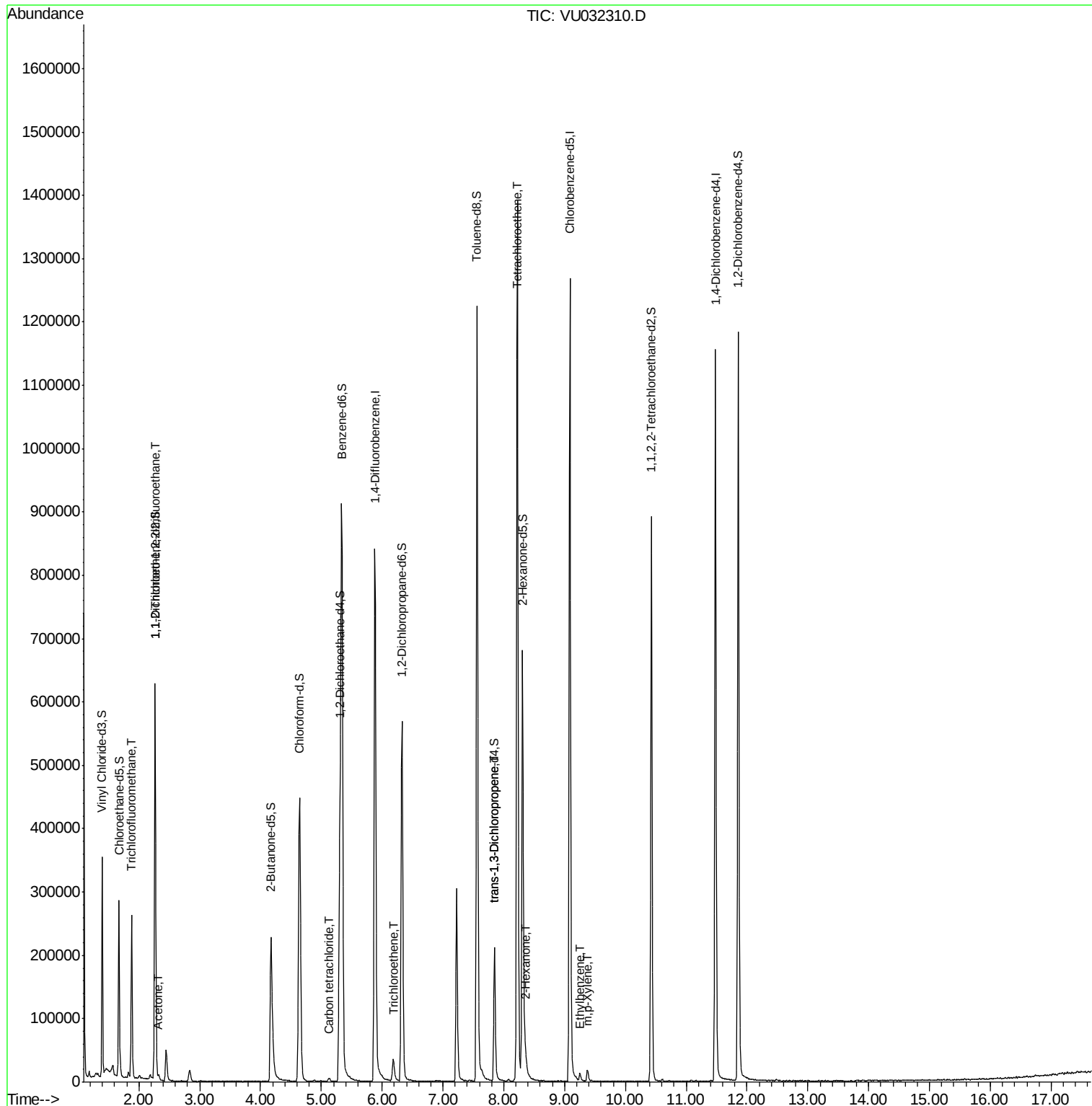
					Qvalue
9) Trichlorofluoromethane	1.88	101	156730	21.768 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	3537	0.845 ug/L #	18
13) Acetone	2.32	43	5567	1.741 ug/L	86
31) Carbon tetrachloride	5.13	117	3604	0.575 ug/L #	79
34) Trichloroethene	6.19	95	10384	1.897 ug/L	90
44) trans-1,3-Dichloropropene	7.85	75	5041	0.676 ug/L #	68
46) Tetrachloroethene	8.22	164	344323	83.742 ug/L	95
48) 2-Hexanone	8.36	43	9534	1.536 ug/L #	80
52) Ethylbenzene	9.25	91	9986	0.422 ug/L	88
53) m,p-Xylene	9.38	106	5557	0.608 ug/L	93

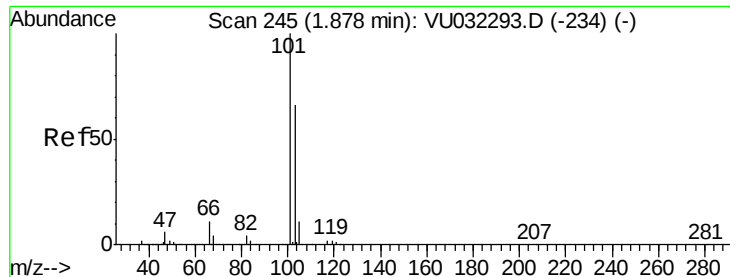
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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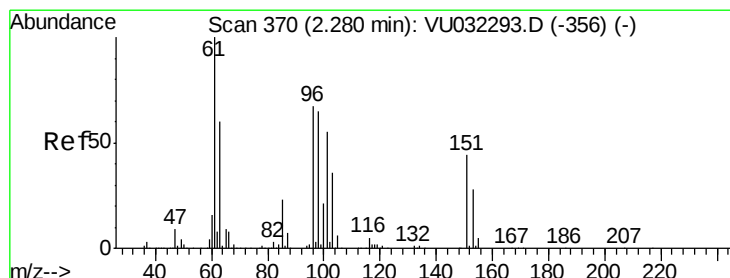
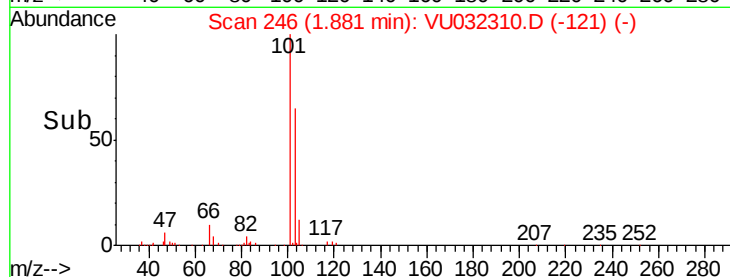
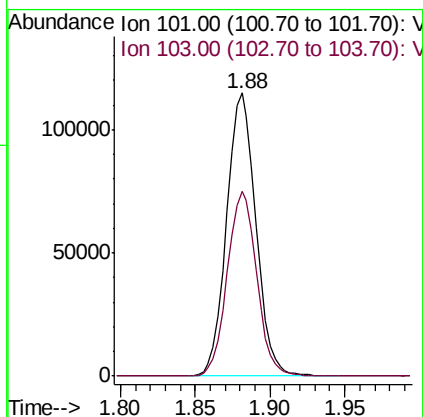
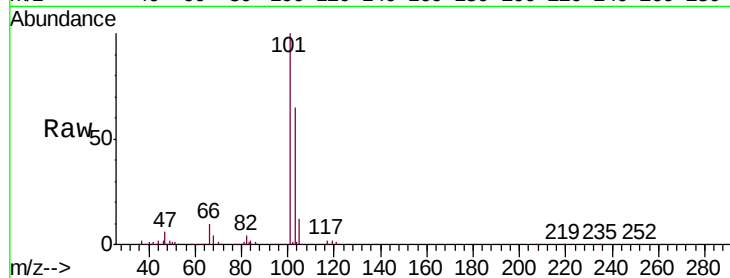


#9

Trichlorofluoromethane
 Concen: 21.768 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU032310.D
 Acq: 24 May 2019 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XJ6

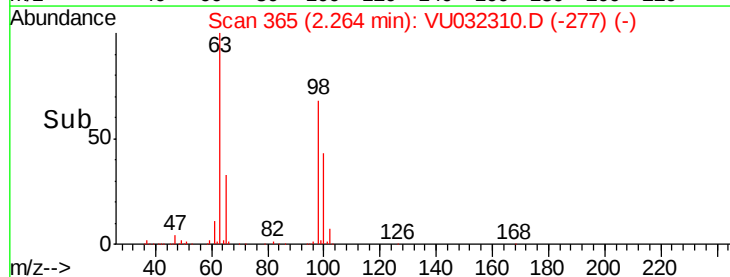
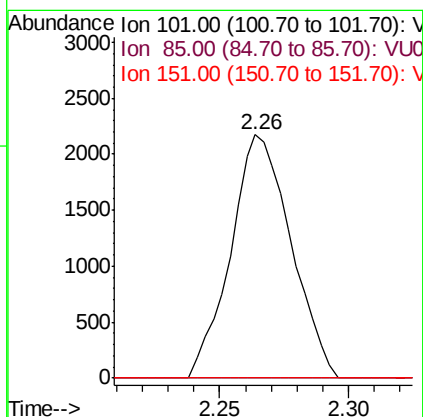
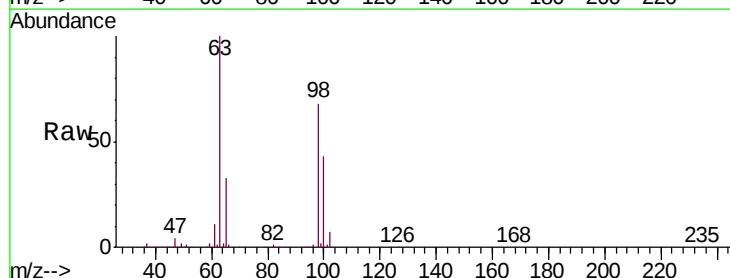
Tgt Ion:101 Resp: 156730
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.6 79.0

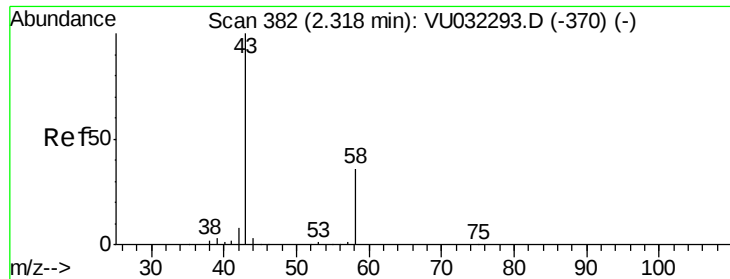


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.845 ug/L
 RT: 2.26 min Scan# 365
 Delta R.T. -0.02 min
 Lab File: VU032310.D
 Acq: 24 May 2019 13:50

Tgt Ion:101 Resp: 3537
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.8 49.2#
 151 0.0 63.5 95.3#





#13

Acetone

Concen: 1.741 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032310.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

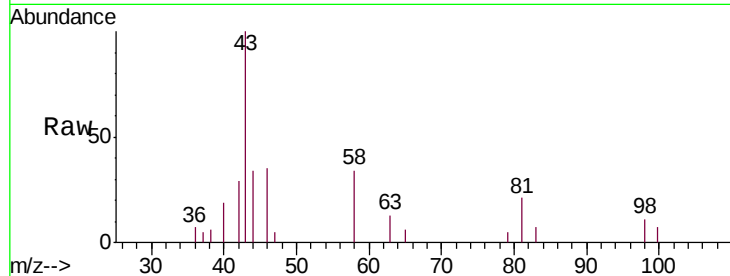
C0XJ6

Tgt Ion: 43 Resp: 5567

Ion Ratio Lower Upper

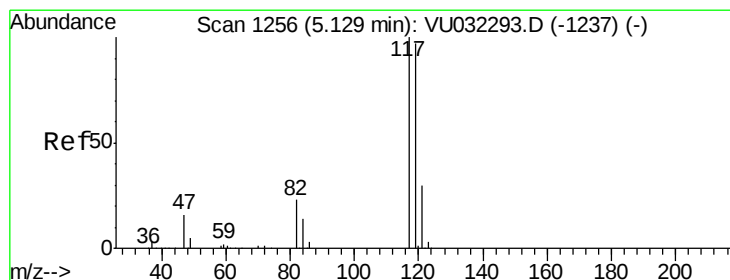
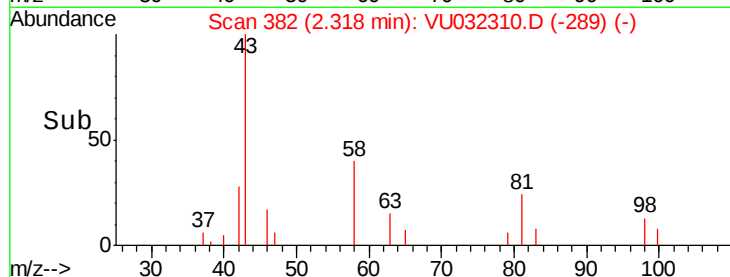
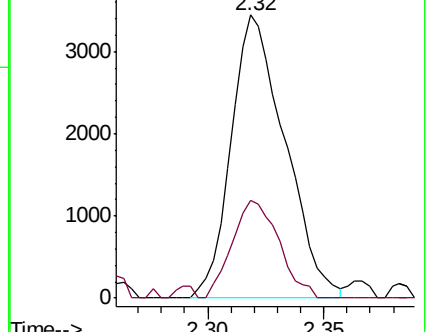
43 100

58 30.0 0.0 77.2



Abundance Ion 43.00 (42.70 to 43.70): VU032293.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU032293.D (-370) (-)



#31

Carbon tetrachloride

Concen: 0.575 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU032310.D

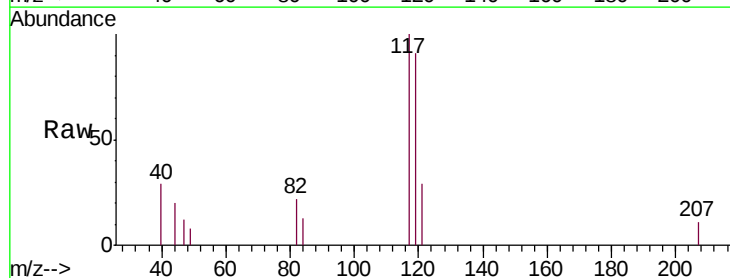
Acq: 24 May 2019 13:50

Tgt Ion: 117 Resp: 3604

Ion Ratio Lower Upper

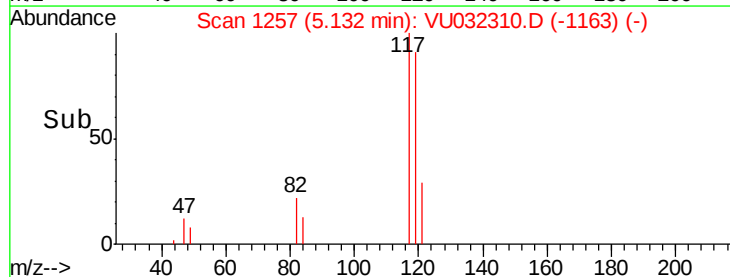
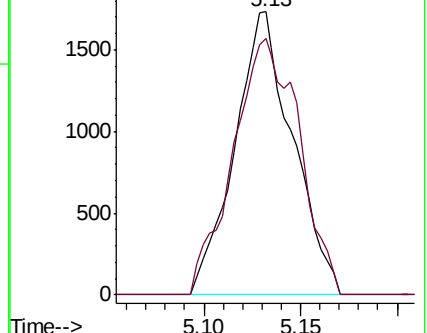
117 100

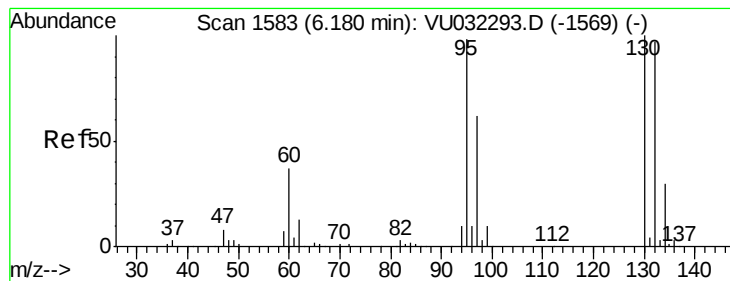
119 76.0 77.4 116.0#



Abundance Ion 117.00 (116.70 to 117.70): VU032293.D (-1237) (-)

Ion 119.00 (118.70 to 119.70): VU032293.D (-1237) (-)





#34

Trichloroethene

Concen: 1.897 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU032310.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

C0XJ6

Tgt Ion: 95 Resp: 10384

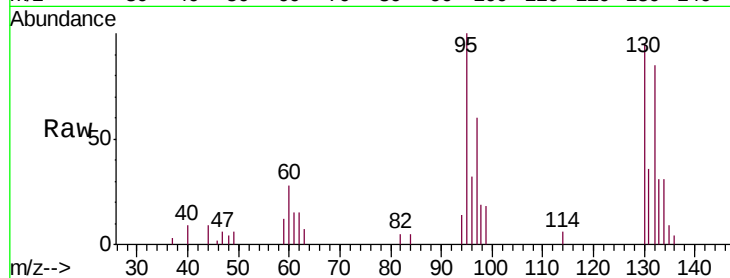
Ion Ratio Lower Upper

95 100

97 59.6 45.3 84.1

132 84.6 68.0 126.2

130 95.1 73.2 136.0

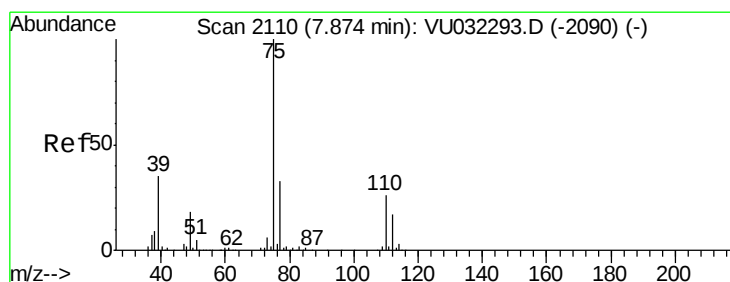
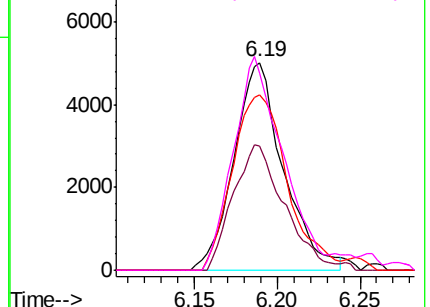
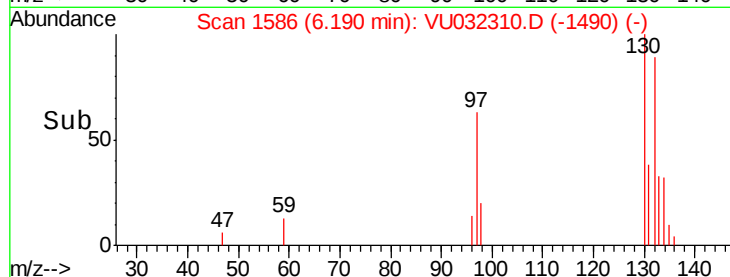


Abundance Ion 95.00 (94.70 to 95.70): VU032310.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU032310.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU032310.D (-1490) (-)

Ion 130.00 (129.70 to 130.70): VU032310.D (-1490) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.676 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032310.D

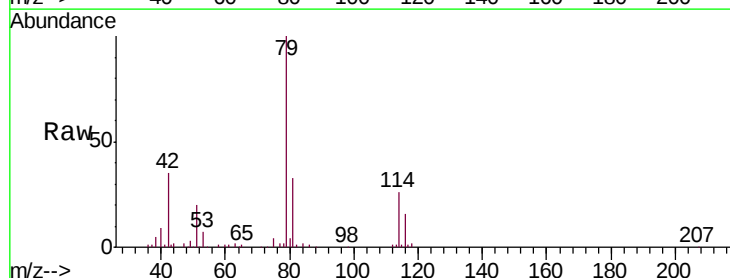
Acq: 24 May 2019 13:50

Tgt Ion: 75 Resp: 5041

Ion Ratio Lower Upper

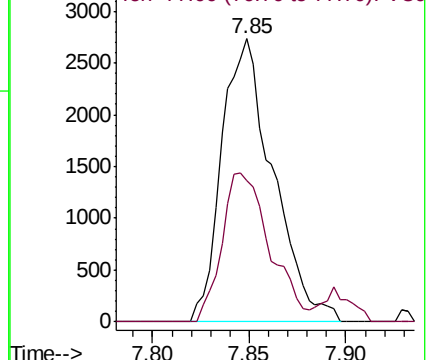
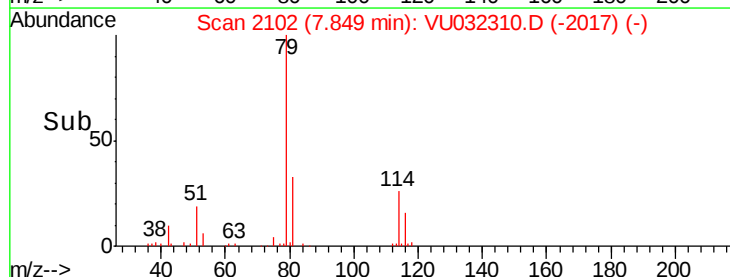
75 100

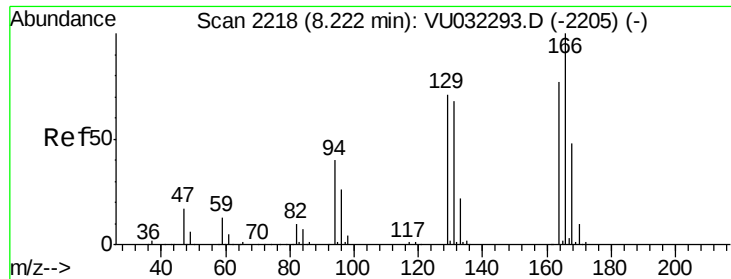
77 49.9 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU032310.D (-2017) (-)

Ion 77.00 (76.70 to 77.70): VU032310.D (-2017) (-)





#46

Tetrachloroethene

Concen: 83.742 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032310.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

C0XJ6

Tgt Ion:164 Resp: 344323

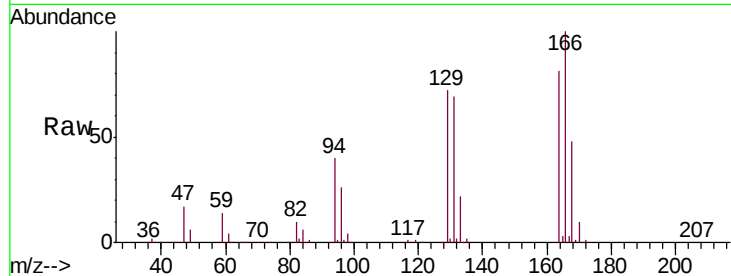
Ion Ratio Lower Upper

164 100

129 89.7 66.2 123.0

131 85.6 61.9 114.9

166 124.1 91.8 170.4

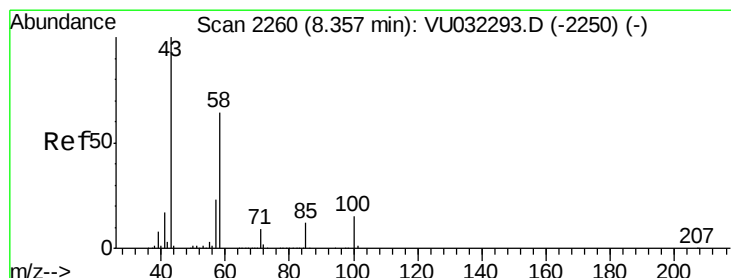
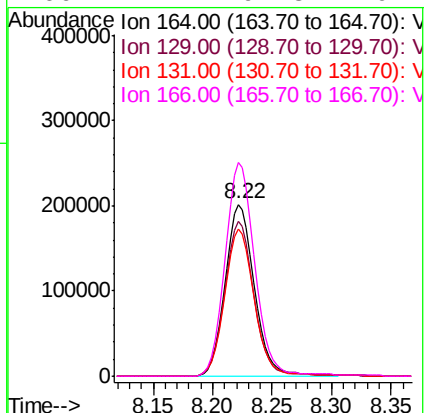
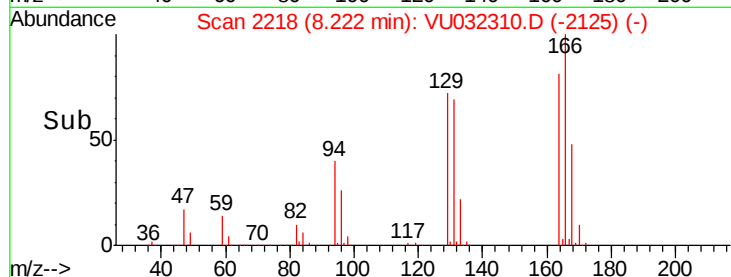


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.536 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU032310.D

Acq: 24 May 2019 13:50

Tgt Ion: 43 Resp: 9534

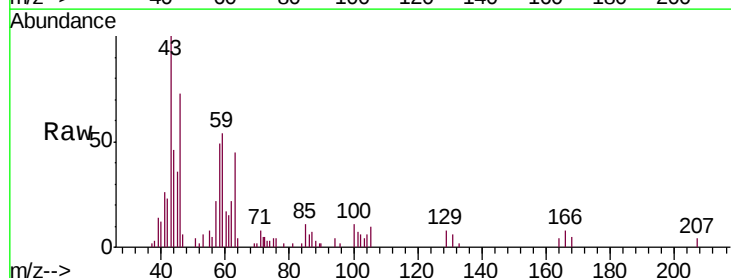
Ion Ratio Lower Upper

43 100

58 74.4 51.4 77.0

57 5.5 17.8 26.8#

100 5.6 12.8 19.2#

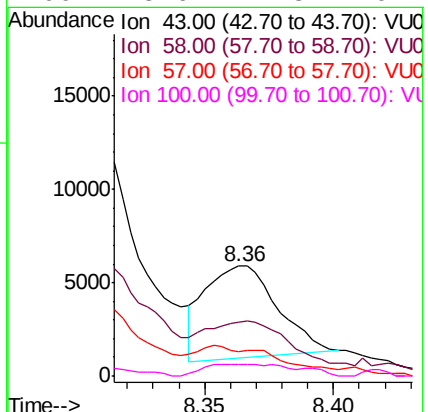
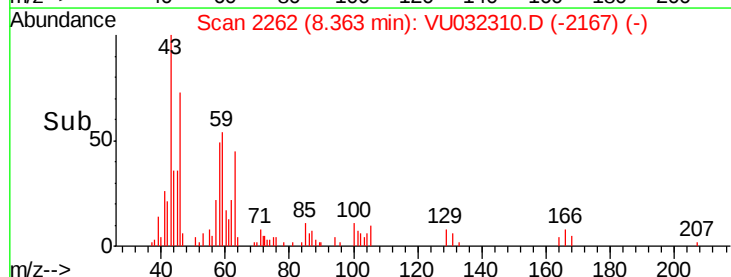


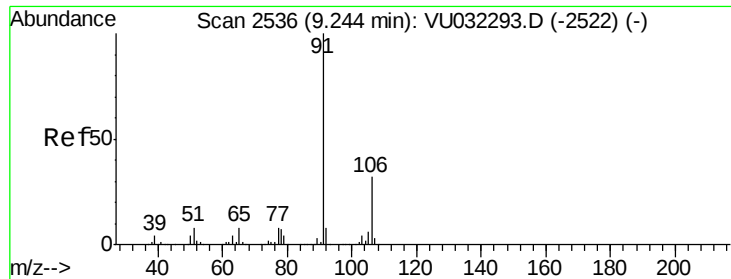
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#52

Ethylbenzene

Concen: 0.422 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

Lab File: VU032310.D

Acq: 24 May 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

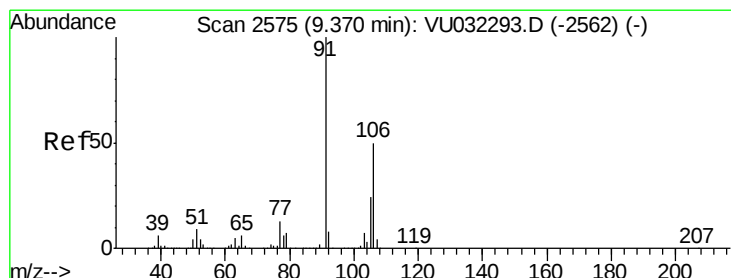
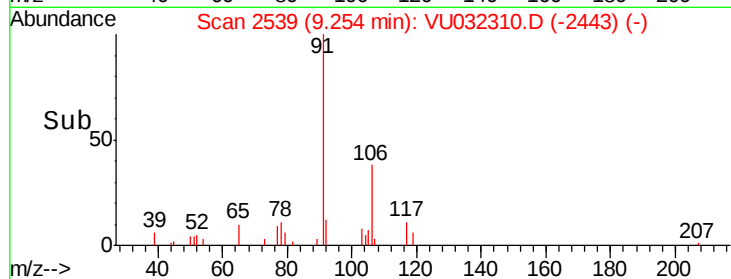
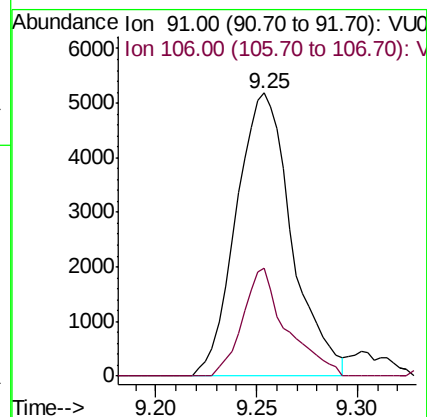
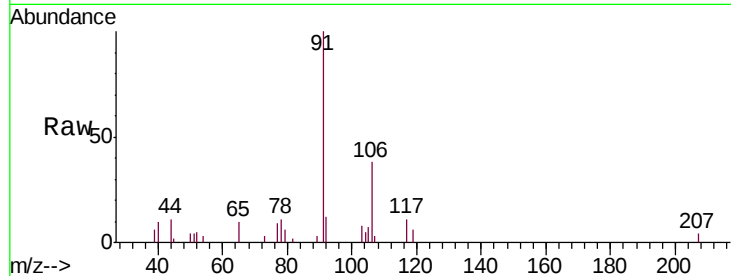
C0XJ6

Tgt Ion: 91 Resp: 9986

Ion Ratio Lower Upper

91 100

106 38.4 22.0 41.0



#53

m,p-Xylene

Concen: 0.608 ug/L

RT: 9.38 min Scan# 2578

Delta R.T. 0.01 min

Lab File: VU032310.D

Acq: 24 May 2019 13:50

Tgt Ion: 106 Resp: 5557

Ion Ratio Lower Upper

106 100

91 184.4 136.5 253.5

