

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061819\
 Data File : VU032815.D
 Acq On : 18 Jun 2019 11:43
 Operator : JC/SP
 Sample : K3363-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JQ3

Quant Time: Jun 19 01:58:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 01:26:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	237895	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	230489	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68306	42.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.02%
7) Chloroethane-d5	1.68	69	58674	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.50%
11) 1,1-Dichloroethene-d2	2.27	63	109908	33.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.12%
21) 2-Butanone-d5	4.17	46	141852	104.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.83%
24) Chloroform-d	4.64	84	146181	46.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.50%
26) 1,2-Dichloroethane-d4	5.30	65	101342	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.28%
32) Benzene-d6	5.33	84	290693	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
36) 1,2-Dichloropropane-d6	6.32	67	93418	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.62%
41) Toluene-d8	7.56	98	269901	47.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.94%
43) trans-1,3-Dichloropropene-	7.84	79	47387	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.18%
47) 2-Hexanone-d5	8.31	63	98028	109.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	138883	46.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.88%
64) 1,2-Dichlorobenzene-d4	11.85	152	110702	48.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.96%

Target Compounds

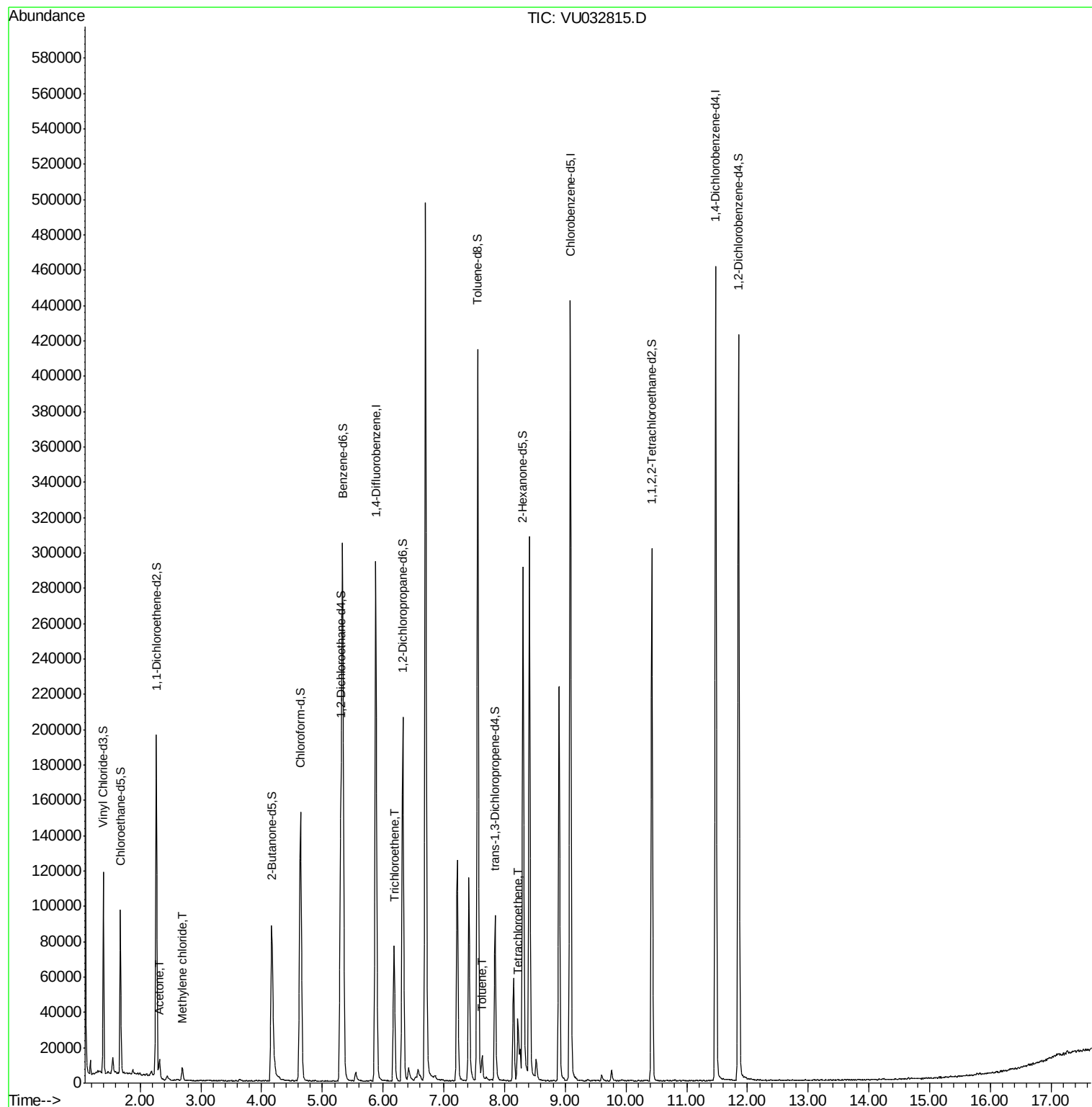
					Ovalue
13) Acetone	2.32	43	10792	5.774	ug/L 95
16) Methylene chloride	2.69	84	3051	1.736	ug/L 91
34) Trichloroethene	6.18	95	25347	14.288	ug/L 96
42) Toluene	7.63	91	9116	1.269	ug/L 99
46) Tetrachloroethene	8.22	164	6867	4.724	ug/L 95

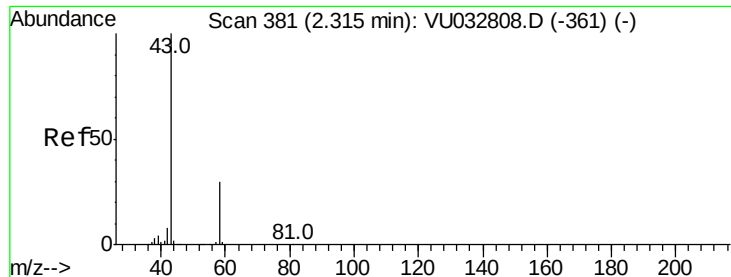
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.774 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

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Acq: 18 Jun 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

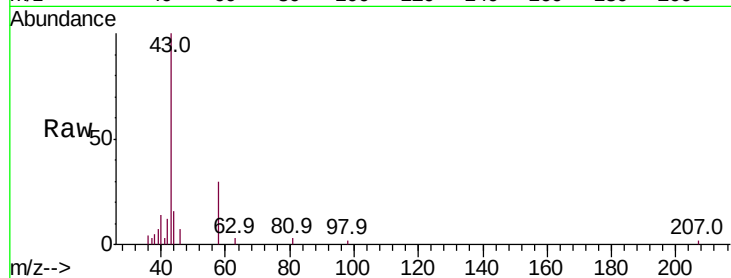
C0JQ3

Tot Ion: 43 Resp: 10792

Ion Ratio Lower Upper

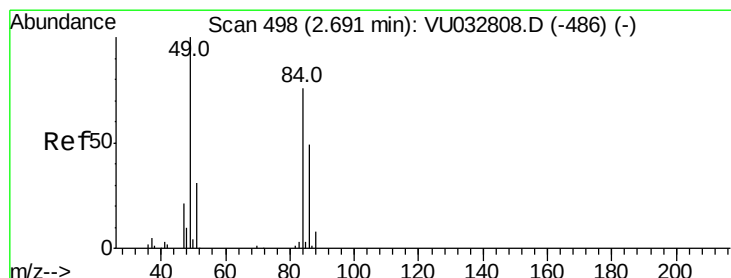
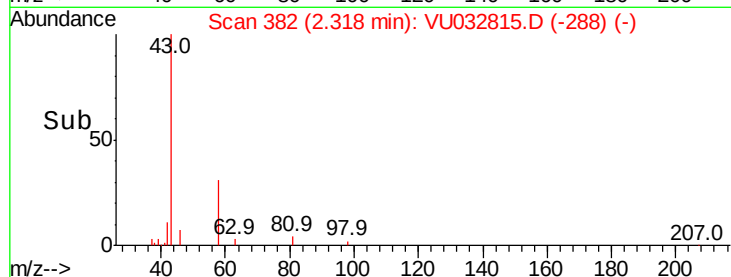
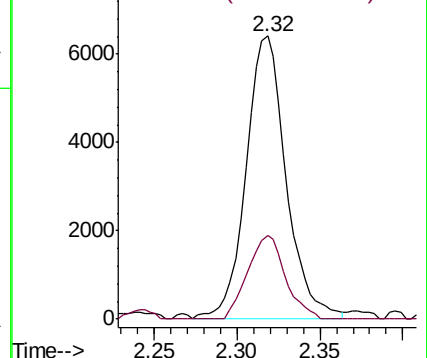
43 100

58 27.8 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#16

Methylene chloride

Concen: 1.736 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

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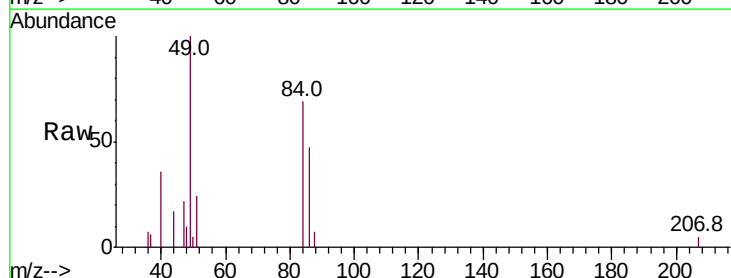
Tgt Ion: 84 Resp: 3051

Ion Ratio Lower Upper

84 100

86 68.6 45.5 84.5

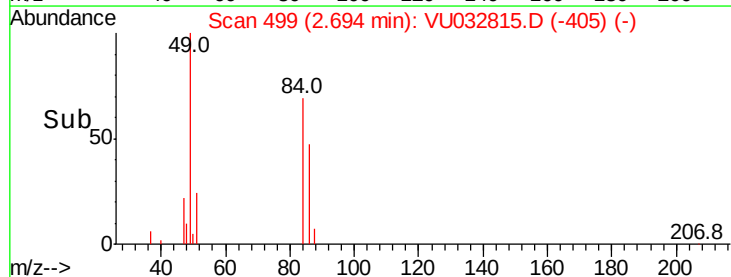
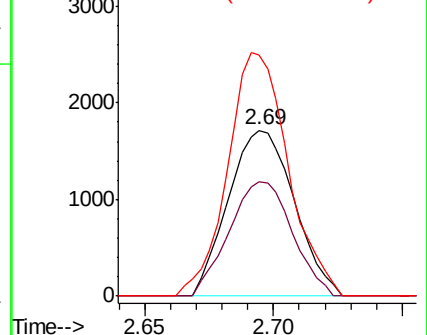
49 145.0 92.1 171.1

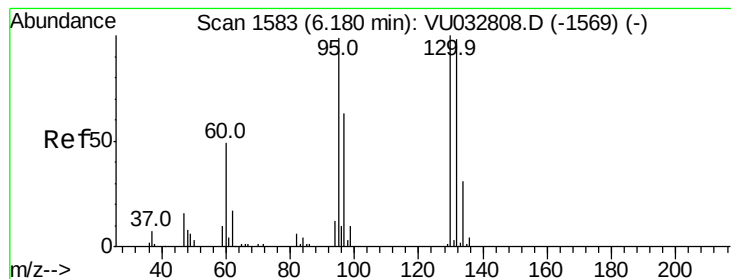


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#34

Trichloroethene

Concen: 14.288 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

C0JQ3

Tot Ion: 95 Resp: 25347

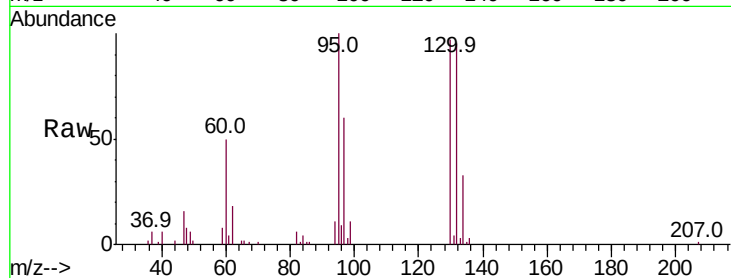
Ion Ratio Lower Upper

95 100

97 60.0 45.9 85.3

132 94.9 68.5 127.3

130 97.2 70.8 131.4

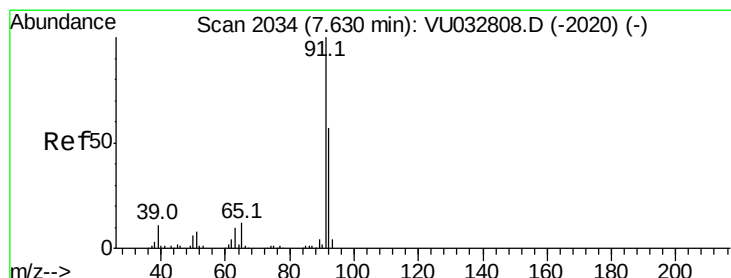
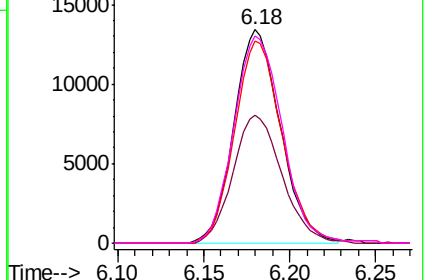
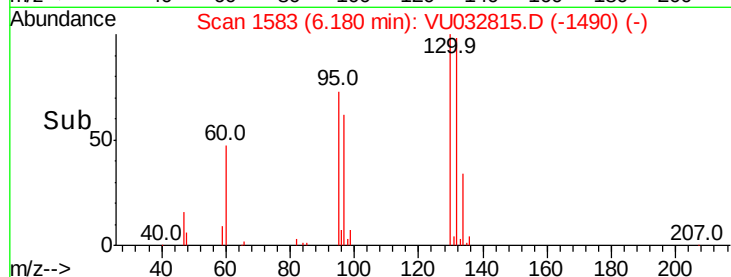


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 1.269 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032815.D

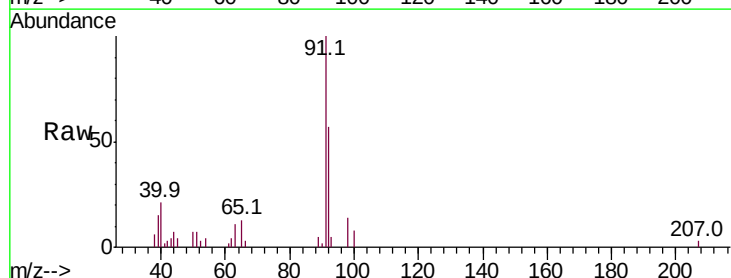
Acq: 18 Jun 2019 11:43

Tgt Ion: 91 Resp: 9116

Ion Ratio Lower Upper

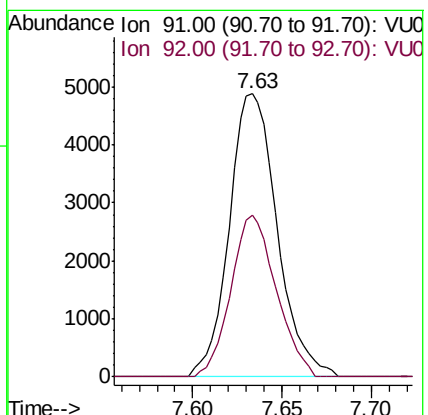
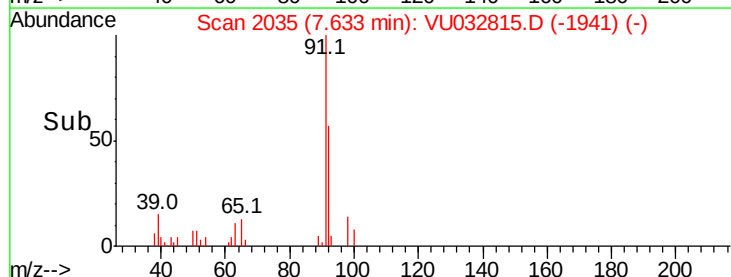
91 100

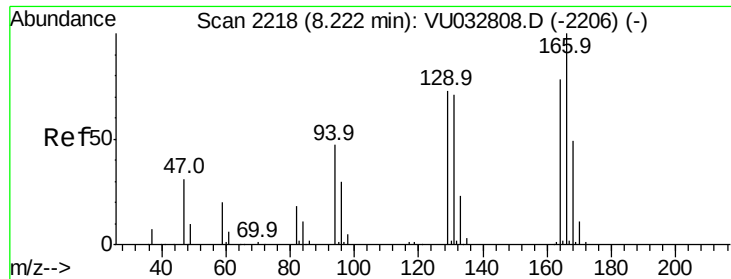
92 56.9 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 4.724 ug/L

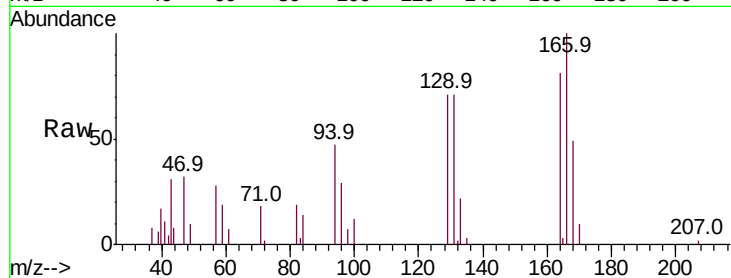
RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032815.D

Acq: 18 Jun 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
C0JQ3



Tot Ion:164 Resp: 6867

Ion Ratio Lower Upper

164 100

129 87.5 64.8 120.3

131 88.1 64.5 119.7

166 123.6 91.3 169.6

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

