

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031119\
 Data File : VU029918.D
 Acq On : 09 Mar 2019 14:32
 Operator : JC/SP
 Sample : K1818-06
 Misc : 6.60g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2L1

Quant Time: Mar 11 02:24:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 02:20:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	552554	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	550474	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	289263	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	134840	40.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.00%
7) Chloroethane-d5	1.76	69	144	0.05	ug/L	0.08
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.10%#
11) 1,1-Dichloroethene-d2	2.23	63	195796	30.81	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.62%
21) 2-Butanone-d5	4.19	46	202862	77.67	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.67%
24) Chloroform-d	4.64	84	250214	38.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.28%
26) 1,2-Dichloroethane-d4	5.30	65	153318	39.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.76%
32) Benzene-d6	5.33	84	547573	39.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.84%
36) 1,2-Dichloropropane-d6	6.32	67	166094	40.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.18%
41) Toluene-d8	7.56	98	514602	39.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.20%#
43) trans-1,3-Dichloropropene-	7.85	79	78632	39.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.44%
47) 2-Hexanone-d5	8.32	63	187106	83.93	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	279234	42.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	232599	41.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

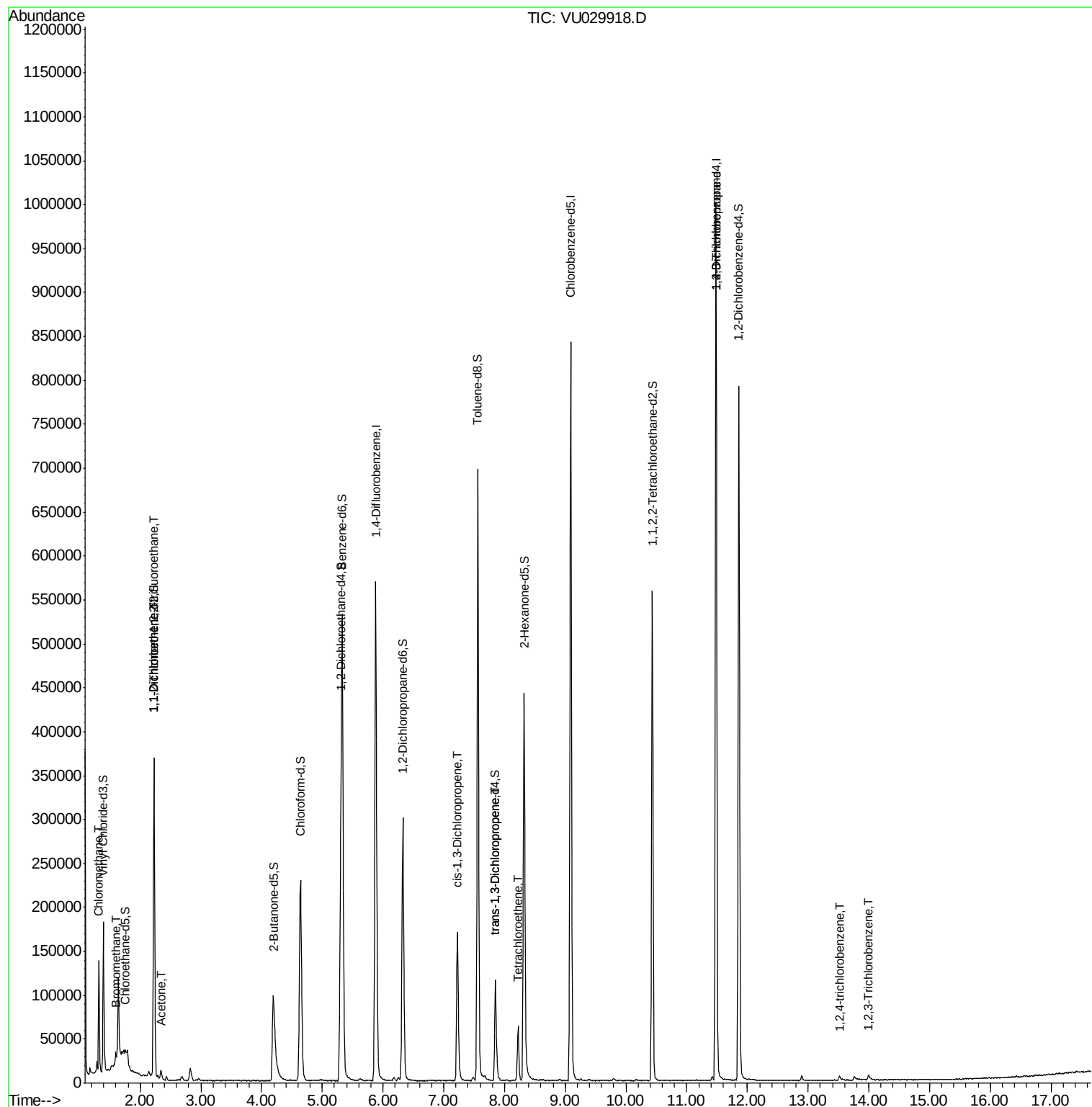
					Qvalue
3) Chloromethane	1.32	50	86307	15.474	ug/L 100
6) Bromomethane	1.60	94	4247	3.707	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	2199	0.624	ug/L # 20
12) 1,1-Dichloroethene	2.23	96	2093	0.612	ug/L # 1
13) Acetone	2.35	43	1958	0.687	ug/L 67
39) cis-1,3-Dichloropropene	7.22	75	4136	0.709	ug/L # 69
44) trans-1,3-Dichloropropene	7.85	75	3749	0.722	ug/L 94
46) Tetrachloroethene	8.22	164	15463	4.530	ug/L 95
59) 1,2,3-Trichloropropane	11.49	75	29412	5.790	ug/L 94
68) 1,2,4-trichlorobenzene	13.52	180	2699	0.451	ug/L # 81
70) 1,2,3-Trichlorobenzene	14.00	180	3034	0.483	ug/L 97

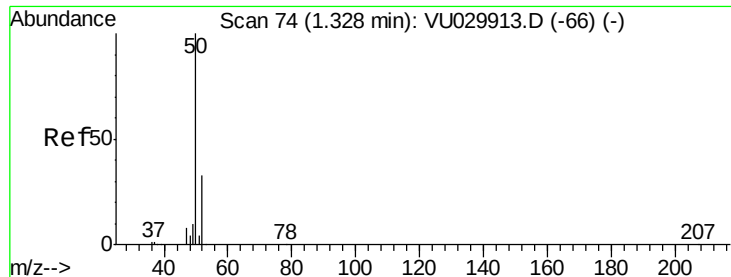
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 15.474 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.01 min

Lab File: VU029918.D

Acq: 09 Mar 2019 14:32

Instrument :

MSVOA_U

ClientSampleId :

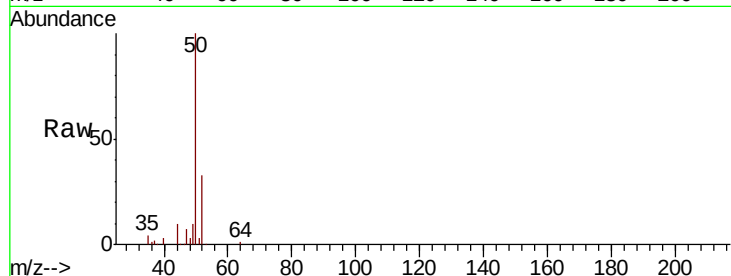
BF2L1

Tgt Ion: 50 Resp: 86307

Ion Ratio Lower Upper

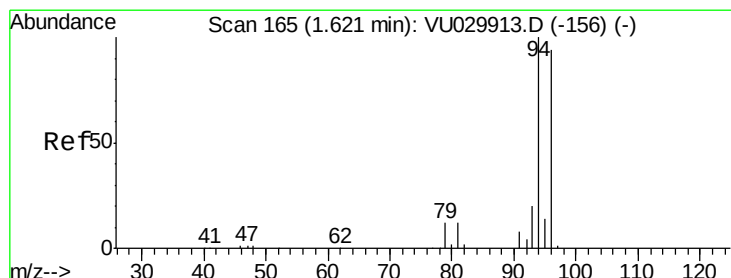
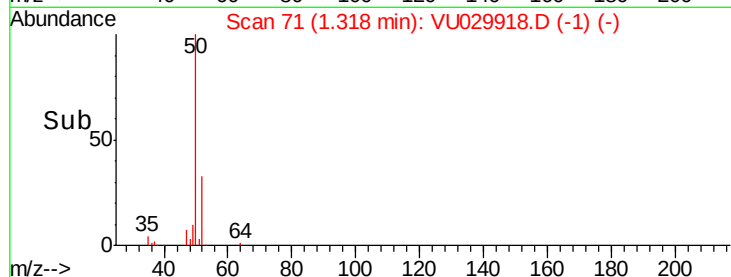
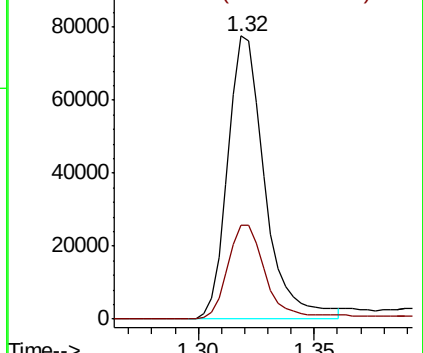
50 100

52 33.2 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#6

Bromomethane

Concen: 3.707 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU029918.D

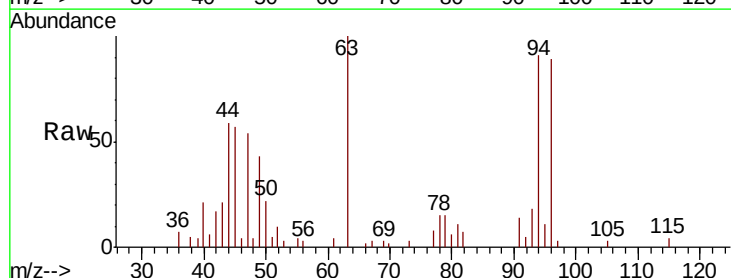
Acq: 09 Mar 2019 14:32

Tgt Ion: 94 Resp: 4247

Ion Ratio Lower Upper

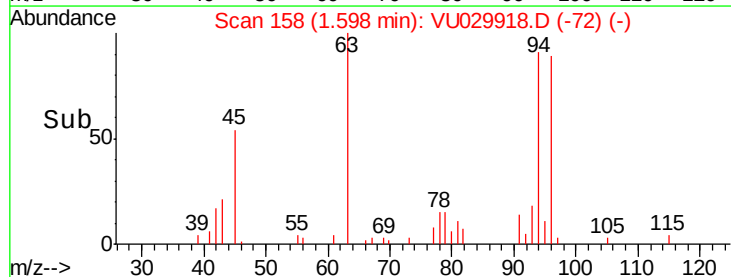
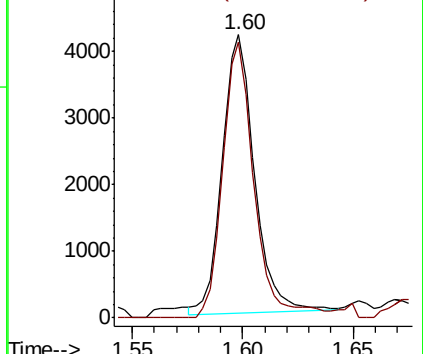
94 100

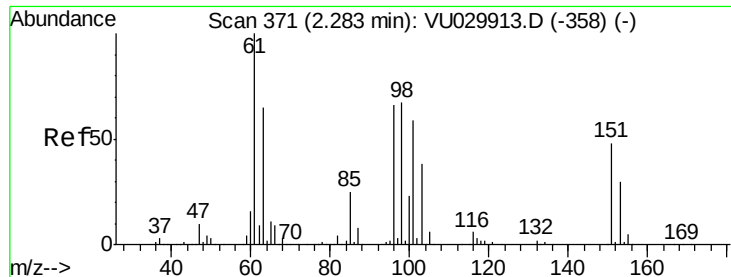
96 97.3 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#10

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

Concen: 0.624 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.05 min

Lab File: VU029918.D

Acq: 09 Mar 2019 14:32

Instrument :

MSVOA_U

ClientSampleId :

BF2L1

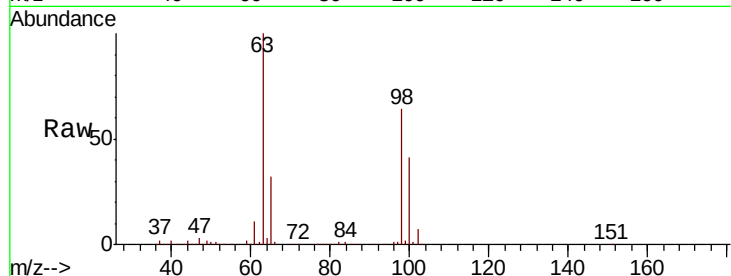
Tgt Ion: 101 Resp: 2199

Ion Ratio Lower Upper

101 100

85 1.9 33.4 50.2#

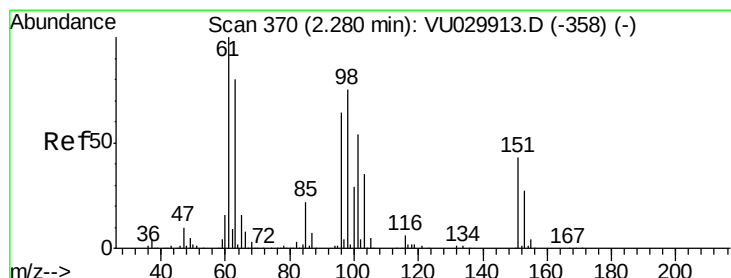
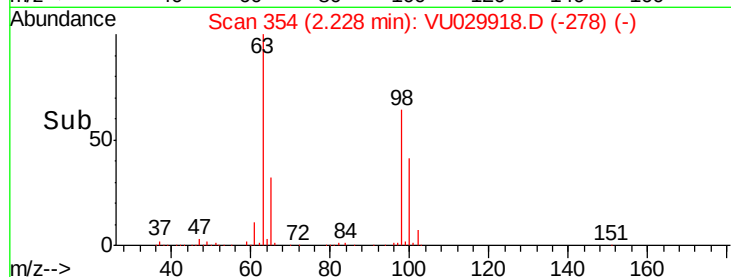
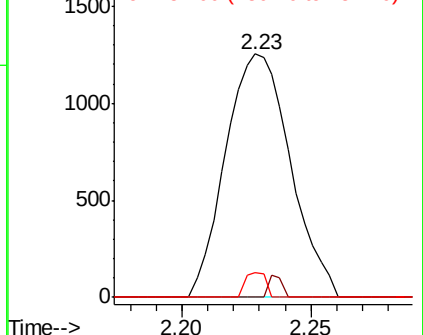
151 3.1 65.8 98.6#



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: 0.612 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.05 min

Lab File: VU029918.D

Acq: 09 Mar 2019 14:32

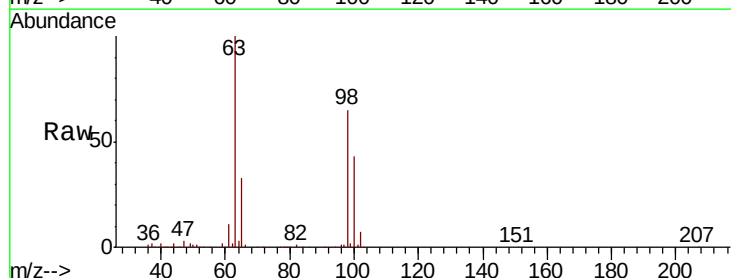
Tgt Ion: 96 Resp: 2093

Ion Ratio Lower Upper

96 100

61 1048.8 109.0 202.4#

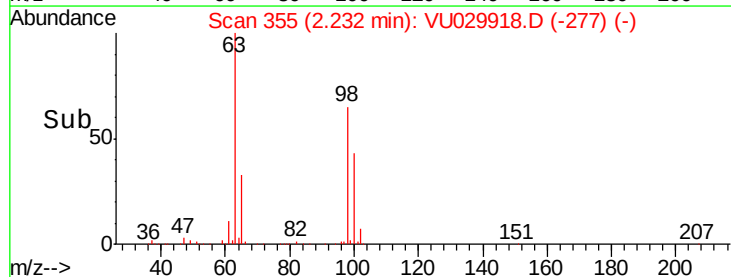
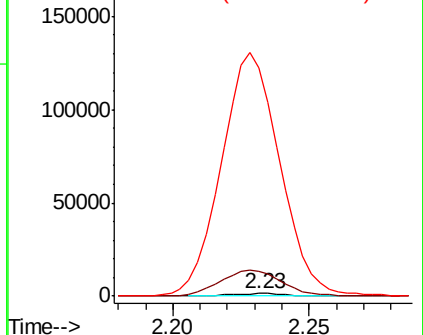
63 9451.9 88.1 163.5#

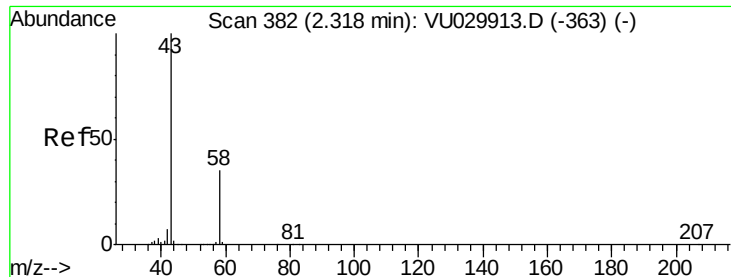


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.687 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.03 min

Lab File: VU029918.D

Acq: 09 Mar 2019 14:32

Instrument :

MSVOA_U

ClientSampleId :

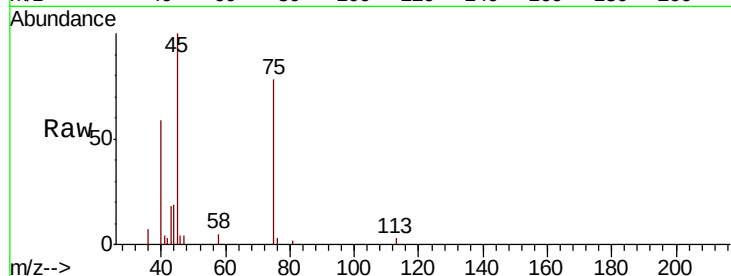
BF2L1

Tgt Ion: 43 Resp: 1958

Ion Ratio Lower Upper

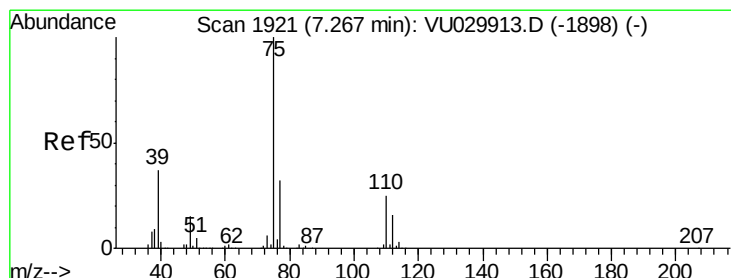
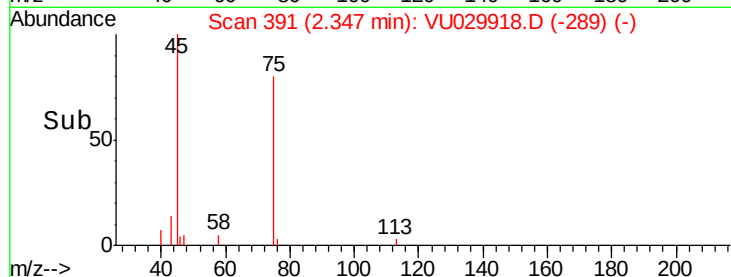
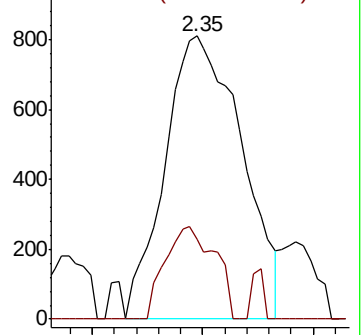
43 100

58 15.8 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.709 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029918.D

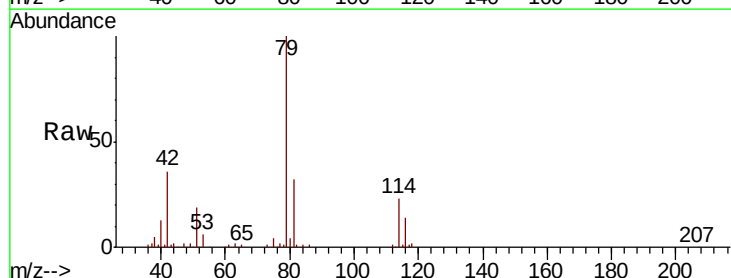
Acq: 09 Mar 2019 14:32

Tgt Ion: 75 Resp: 4136

Ion Ratio Lower Upper

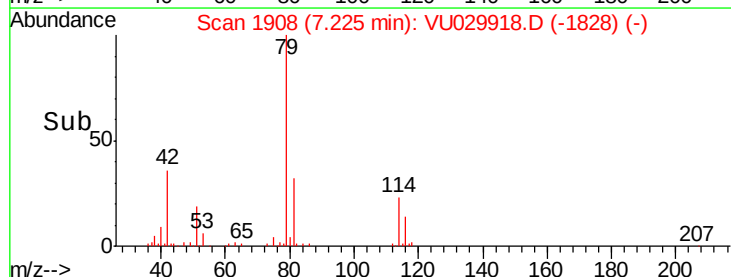
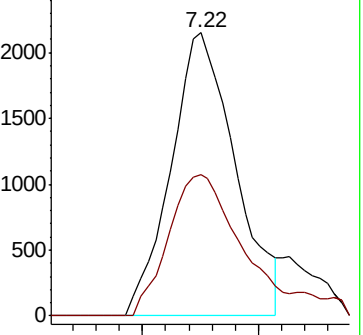
75 100

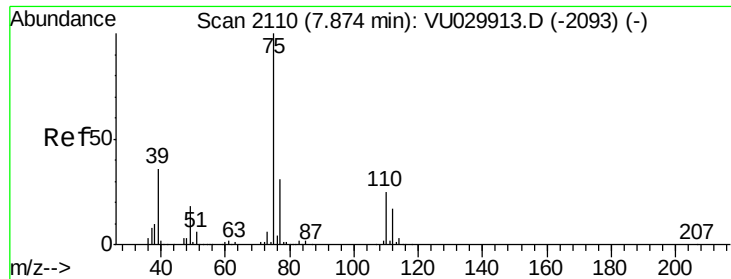
77 49.8 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

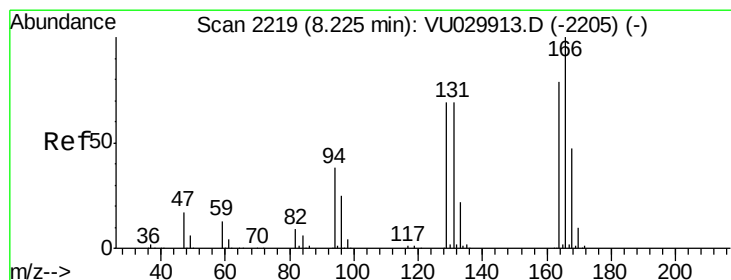
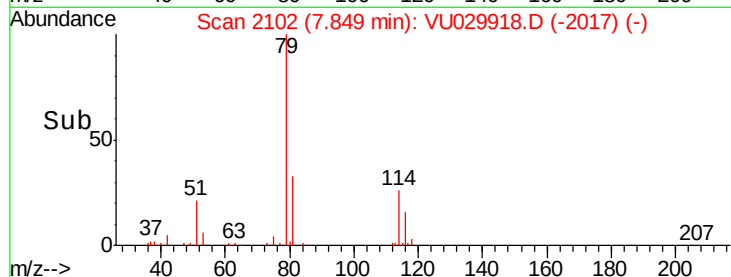
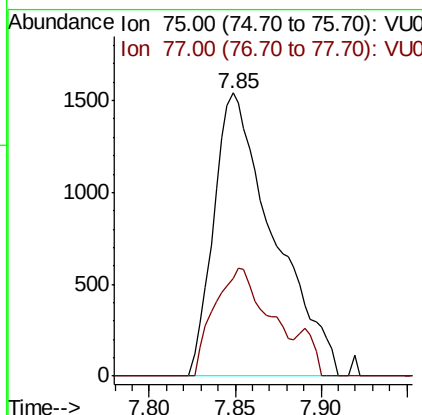
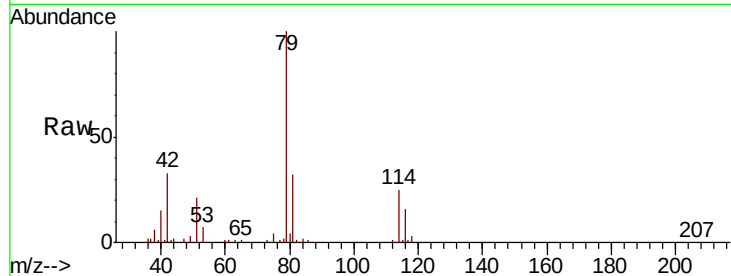




#44
 trans-1,3-Dichloropropene
 Concen: 0.722 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU029918.D
 Acq: 09 Mar 2019 14:32

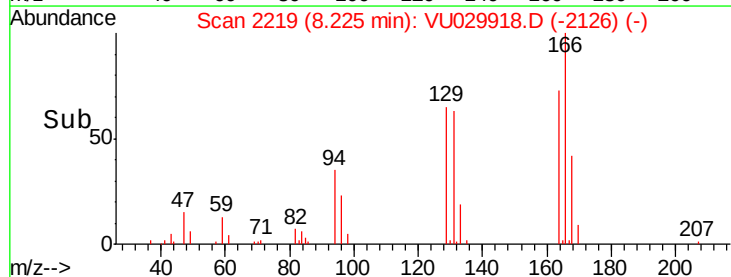
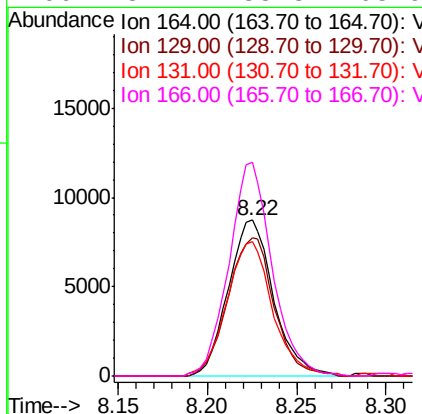
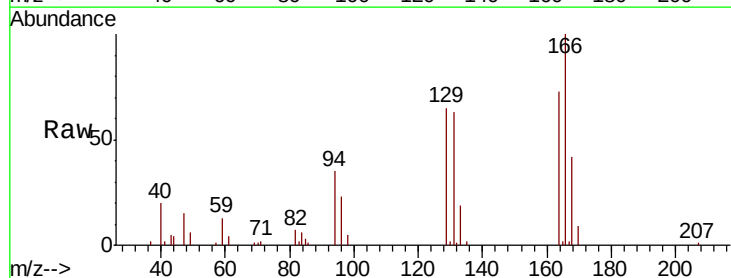
Instrument :
 MSVOA_U
 ClientSampleId :
 BF2L1

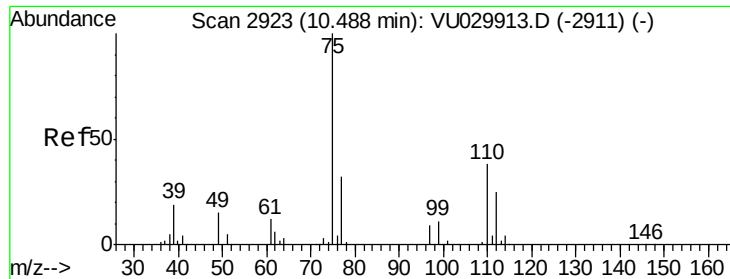
Tgt Ion: 75 Resp: 3749
 Ion Ratio Lower Upper
 75 100
 77 34.6 21.8 40.6



#46
 Tetrachloroethene
 Concen: 4.530 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029918.D
 Acq: 09 Mar 2019 14:32

Tgt Ion: 164 Resp: 15463
 Ion Ratio Lower Upper
 164 100
 129 89.2 61.0 113.2
 131 86.0 60.5 112.3
 166 137.2 88.3 163.9

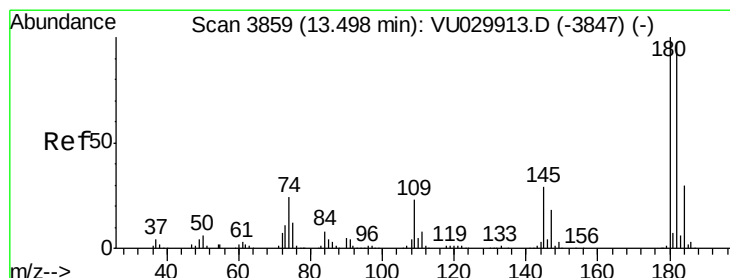
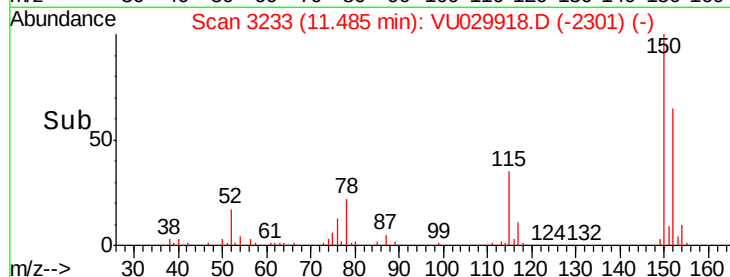
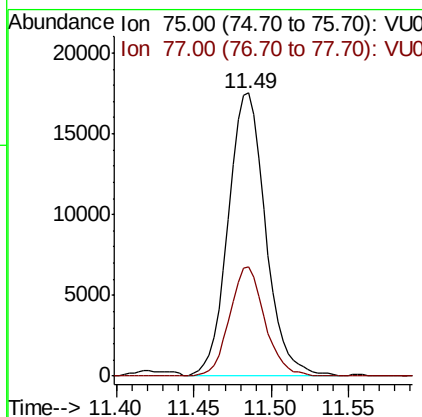
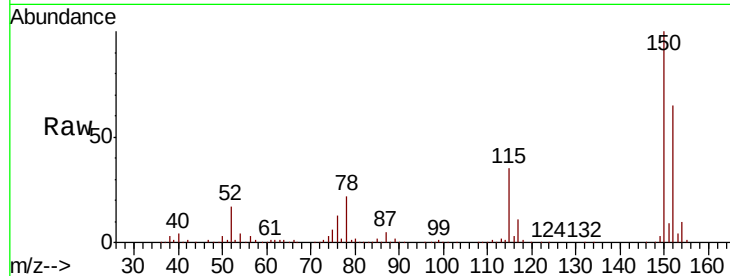




#59
 1,2,3-Trichloropropane
 Concen: 5.790 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 1.00 min
 Lab File: VU029918.D
 Acq: 09 Mar 2019 14:32

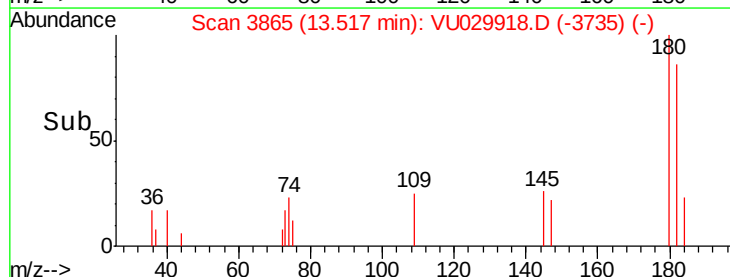
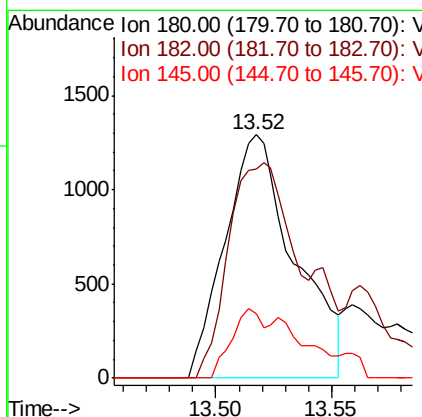
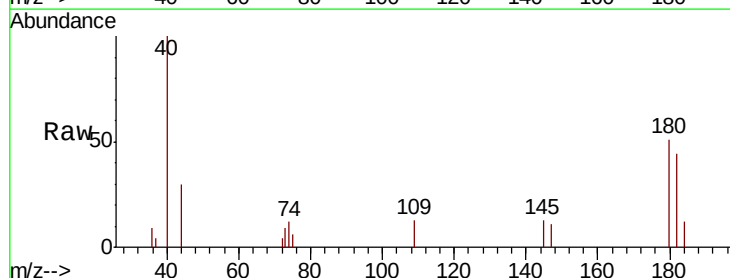
Instrument :
 MSVOA_U
 ClientSampled :
 BF2L1

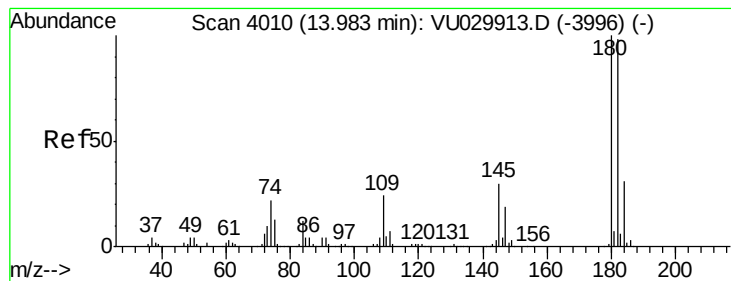
Tgt Ion: 75 Resp: 29412
 Ion Ratio Lower Upper
 75 100
 77 35.9 26.1 39.1



#68
 1,2,4-trichlorobenzene
 Concen: 0.451 ug/L
 RT: 13.52 min Scan# 3865
 Delta R.T. 0.02 min
 Lab File: VU029918.D
 Acq: 09 Mar 2019 14:32

Tgt Ion: 180 Resp: 2699
 Ion Ratio Lower Upper
 180 100
 182 79.9 76.0 114.0
 145 12.6 22.7 34.1#





#70

1,2,3-Trichlorobenzene

Concen: 0.483 ug/L

RT: 14.00 min Scan# 4014

Delta R.T. 0.01 min

Lab File: VU029918.D

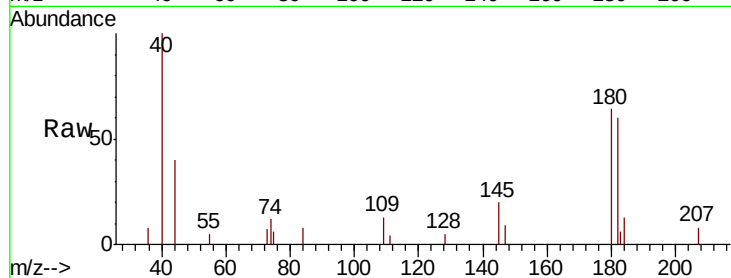
Acq: 09 Mar 2019 14:32

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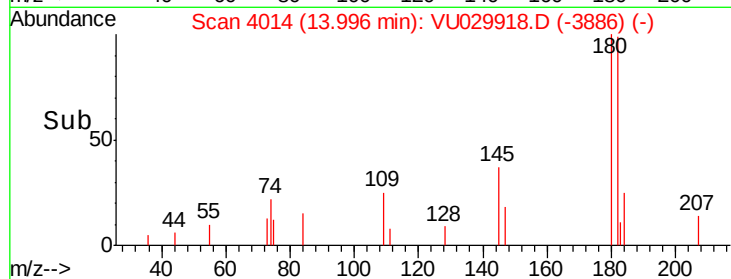
Tgt Ion:180 Resp: 3034

Ion Ratio Lower Upper

180 100

182 98.1 76.3 114.5

145 31.8 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V

2000 Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

