

Data File : VU030360.D
Acq On : 24 Mar 2019 11:06
Operator : JC/SP
Sample : K2083-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1A3

Quant Time: Mar 25 03:23:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	440064	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	414552	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	171028	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	138241	39.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.06%
7) Chloroethane-d5	1.67	69	123747	44.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.16%
11) 1,1-Dichloroethene-d2	2.27	63	212807	31.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.36%
21) 2-Butanone-d5	4.17	46	296720	89.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.13%
24) Chloroform-d	4.64	84	274138	44.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.86%
26) 1,2-Dichloroethane-d4	5.31	65	186645	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
32) Benzene-d6	5.34	84	576370	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.96%
36) 1,2-Dichloropropane-d6	6.33	67	202305	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.48%
41) Toluene-d8	7.56	98	496198	46.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.94%
43) trans-1,3-Dichloropropene-	7.85	79	87178	45.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.16%
47) 2-Hexanone-d5	8.31	63	203281	92.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	271636	46.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	168651	49.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.42%

Target Compounds

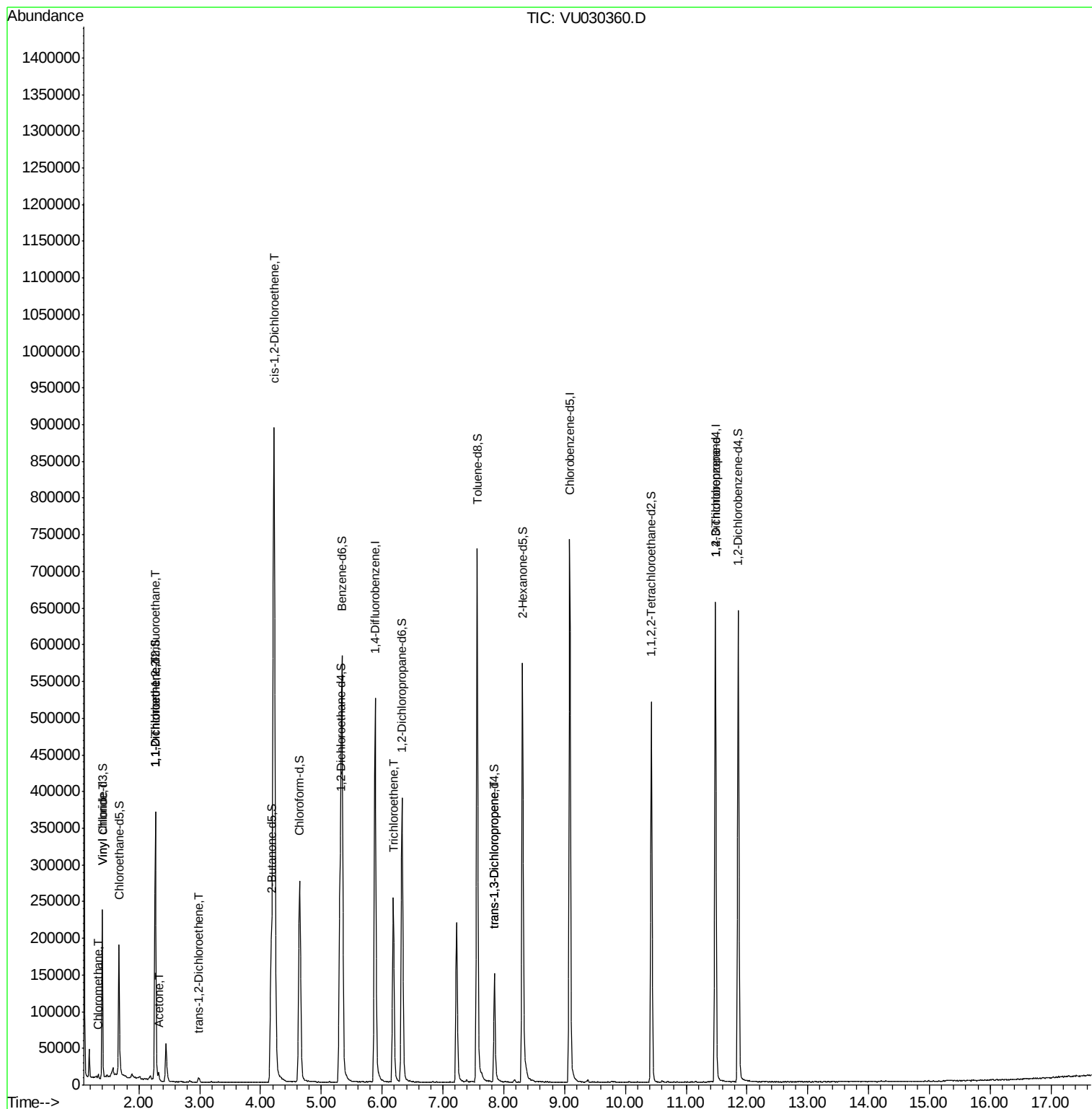
						Qvalue
3) Chloromethane	1.33	50	4149	0.764	ug/L	88
5) Vinyl chloride	1.40	62	6585	1.279	ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3430	1.068	ug/L #	47
12) 1,1-Dichloroethene	2.28	96	3385	1.075	ug/L #	1
13) Acetone	2.32	43	8174	2.428	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	2546	0.771	ug/L	94
20) cis-1,2-Dichloroethene	4.22	96	483877	130.617	ug/L	100
34) Trichloroethene	6.18	95	91540	26.387	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3437	0.679	ug/L	90
59) 1,2,3-Trichloropropane	11.48	75	22636	4.644	ug/L	93

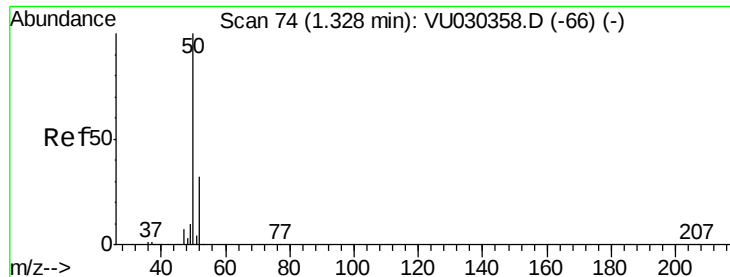
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.764 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030360.D

Acq: 24 Mar 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

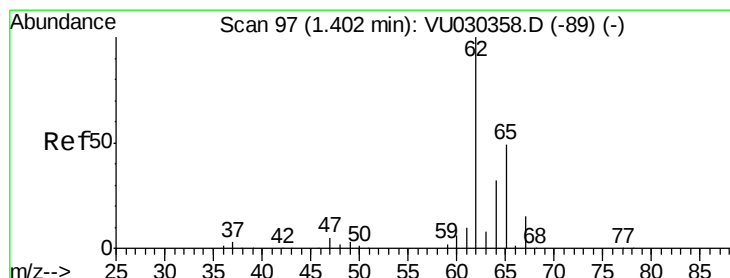
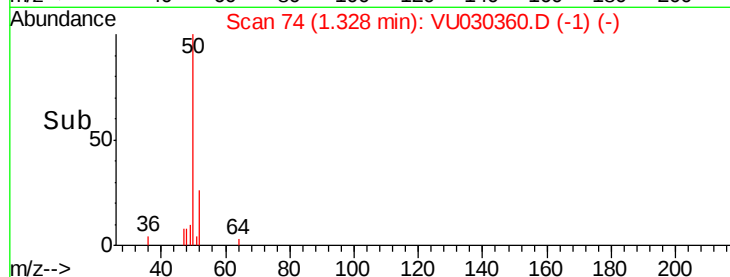
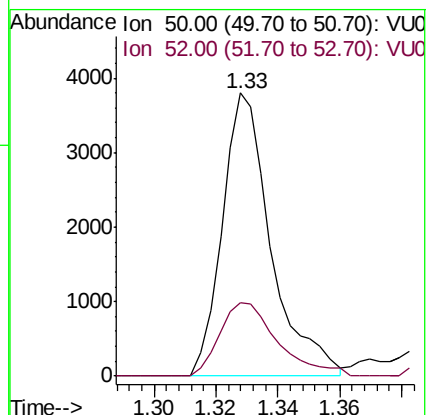
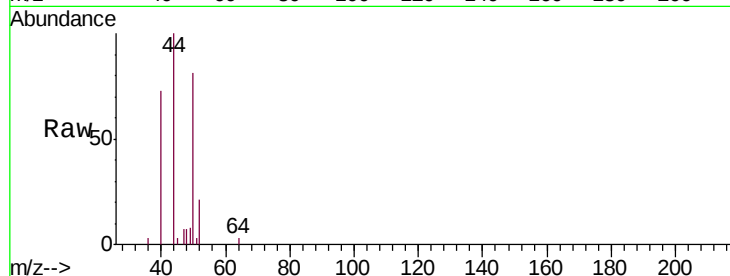
BF1A3

Tgt Ion: 50 Resp: 4149

Ion Ratio Lower Upper

50 100

52 26.2 23.0 42.6



#5

Vinyl chloride

Concen: 1.279 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030360.D

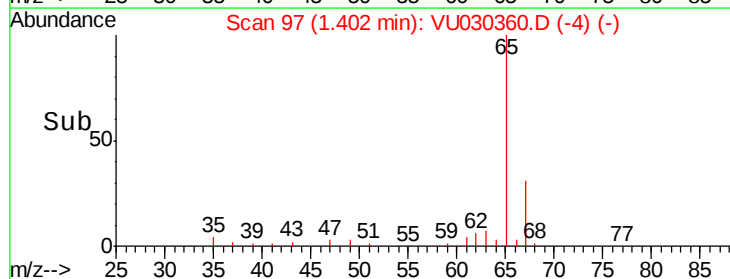
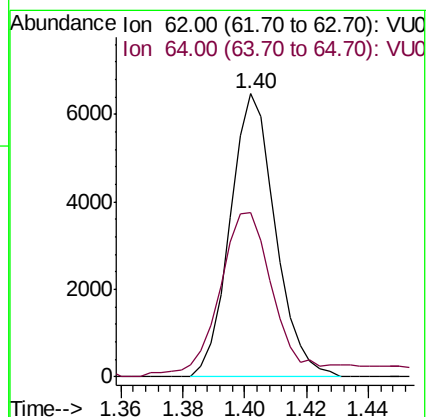
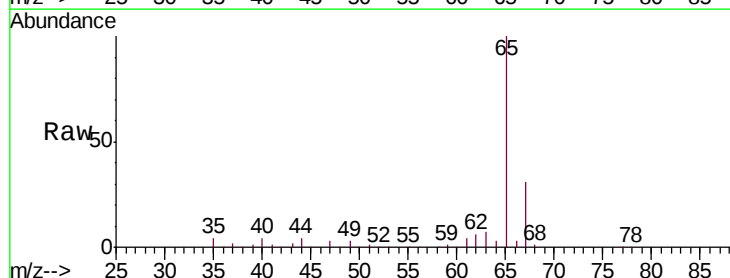
Acq: 24 Mar 2019 11:06

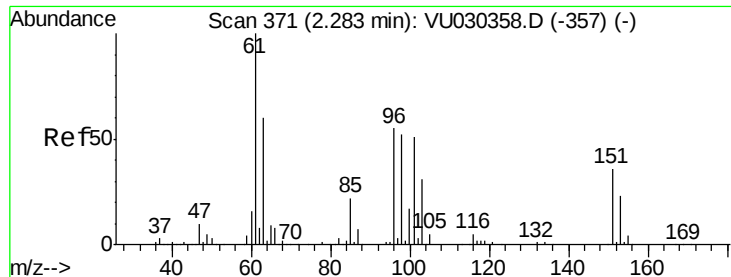
Tgt Ion: 62 Resp: 6585

Ion Ratio Lower Upper

62 100

64 57.8 22.6 42.0#





#10

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

Concen: 1.068 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030360.D

Acq: 24 Mar 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

BF1A3

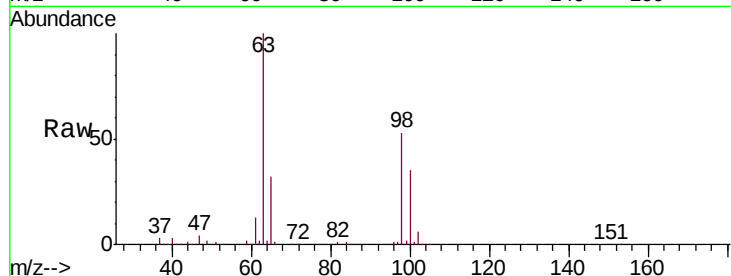
Tgt Ion: 101 Resp: 3430

Ion Ratio Lower Upper

101 100

85 15.1 34.8 52.2#

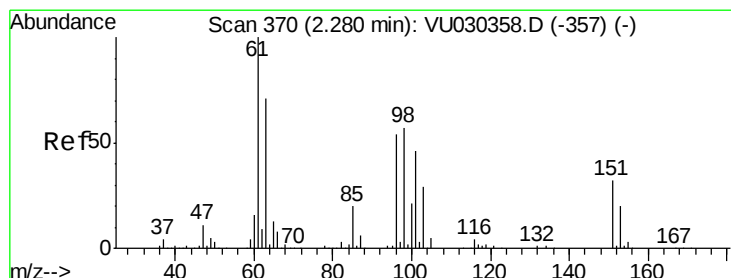
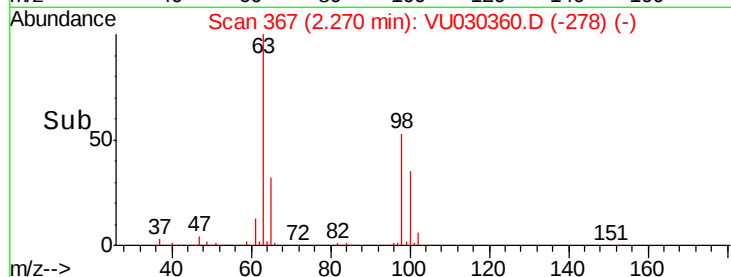
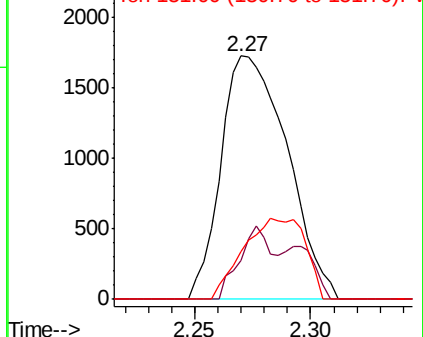
151 22.0 56.6 85.0#



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: 1.075 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030360.D

Acq: 24 Mar 2019 11:06

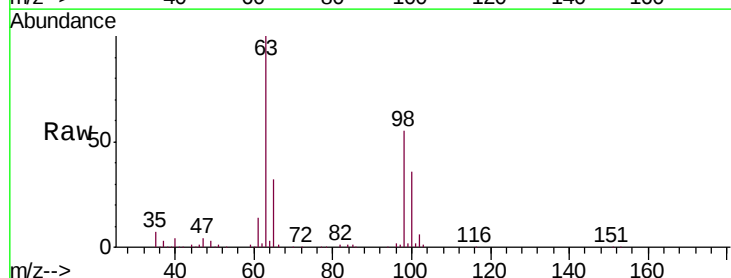
Tgt Ion: 96 Resp: 3385

Ion Ratio Lower Upper

96 100

61 833.6 131.0 243.4#

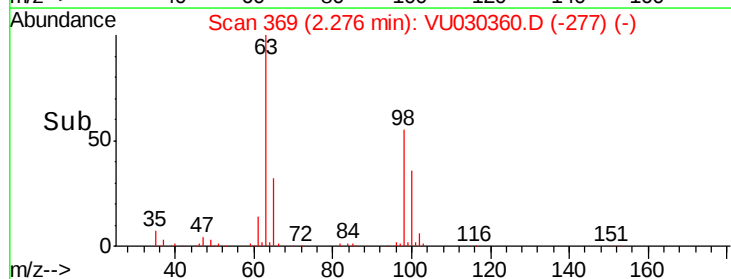
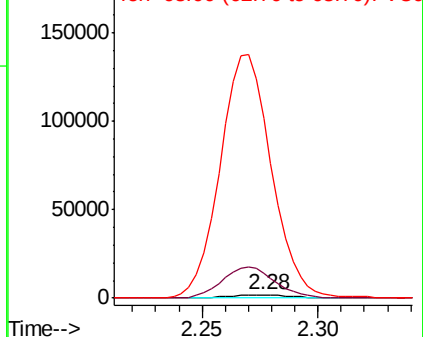
63 5996.7 92.4 171.6#

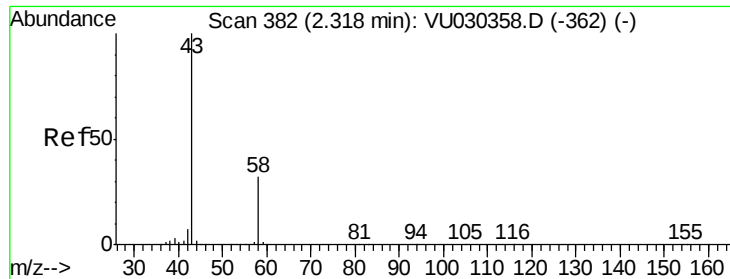


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.428 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030360.D

Acq: 24 Mar 2019 11:06

Instrument :

MSVOA_U

ClientSampled :

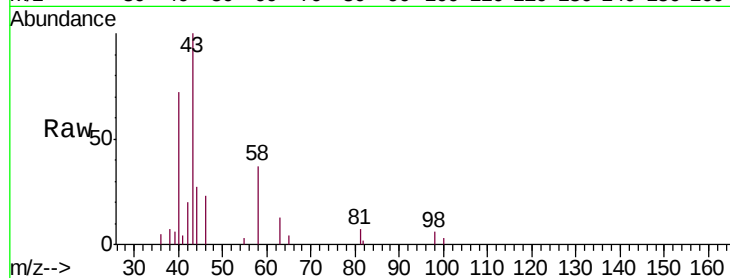
BF1A3

Tgt Ion: 43 Resp: 8174

Ion Ratio Lower Upper

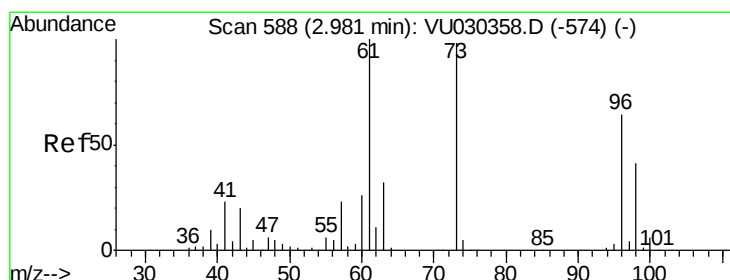
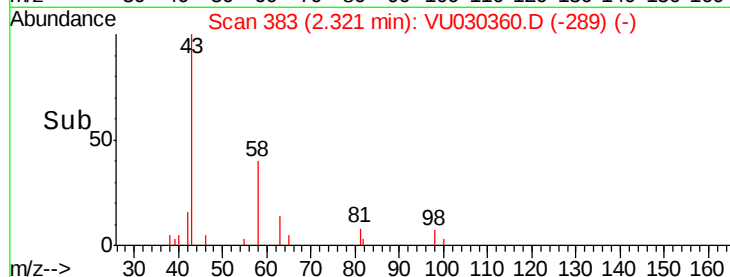
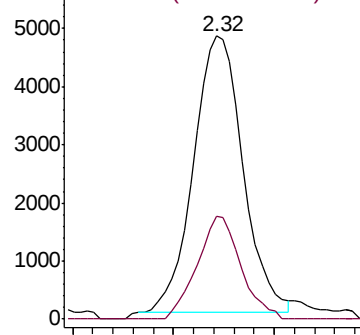
43 100

58 32.9 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030358.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030358.D (-362) (-)



#17

trans-1,2-Dichloroethene

Concen: 0.771 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU030360.D

Acq: 24 Mar 2019 11:06

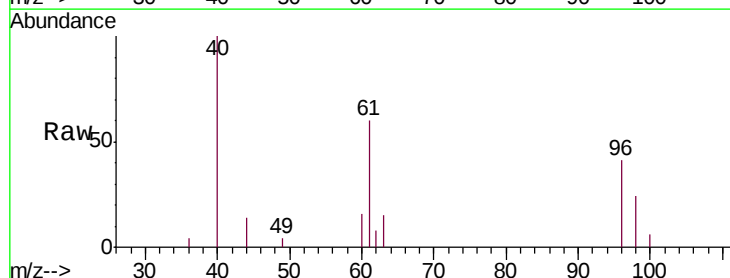
Tgt Ion: 96 Resp: 2546

Ion Ratio Lower Upper

96 100

61 145.5 108.6 201.8

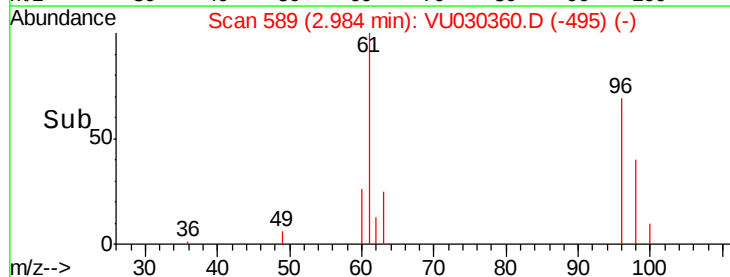
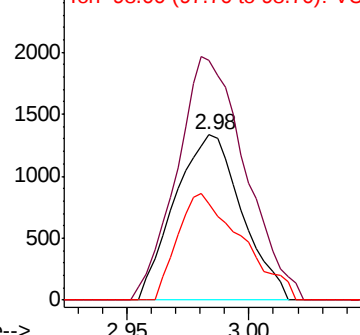
98 58.3 42.3 78.5

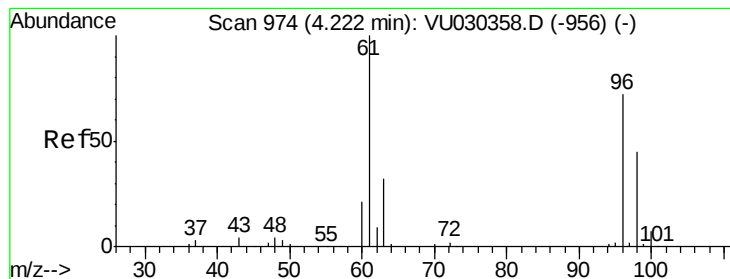


Abundance Ion 96.00 (95.70 to 96.70): VU030358.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU030358.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU030358.D (-574) (-)



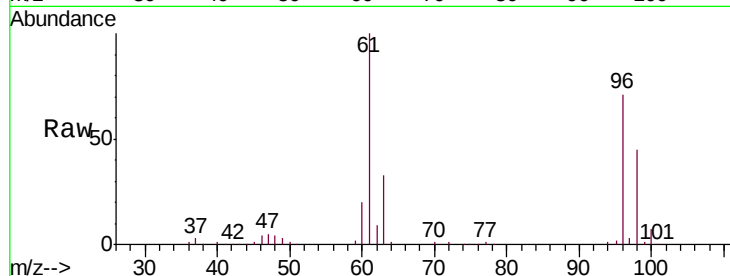


#20

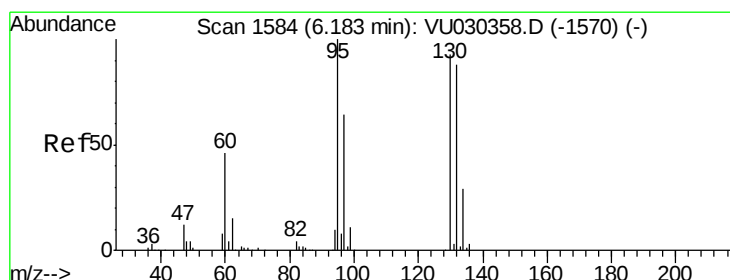
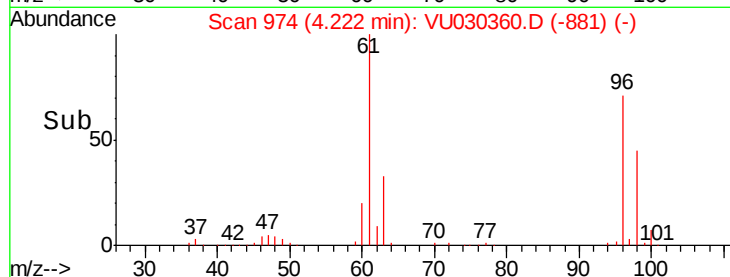
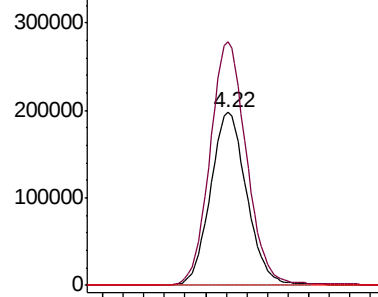
cis-1,2-Dichloroethene
Concen: 130.617 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU030360.D
Acq: 24 Mar 2019 11:06

Instrument :
MSVOA_U
ClientSampleId :
BF1A3

Tgt Ion: 96 Resp: 483877
Ion Ratio Lower Upper
96 100
61 140.9 98.4 182.8
68 0.0 0.0 0.0



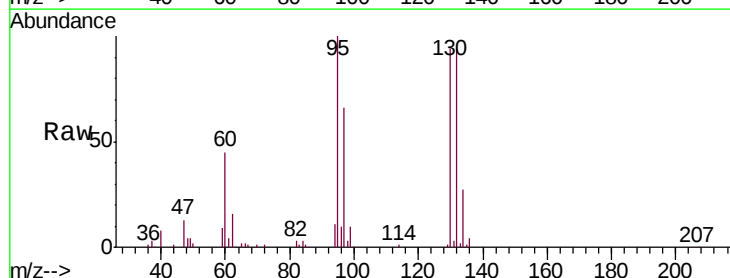
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



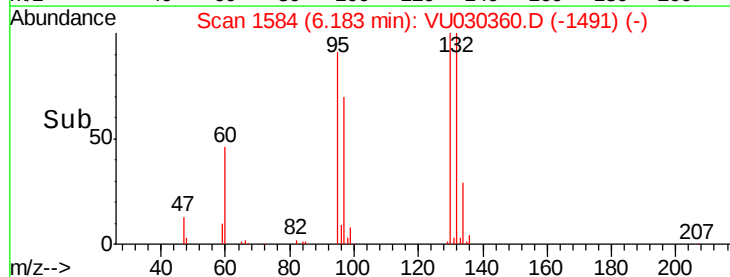
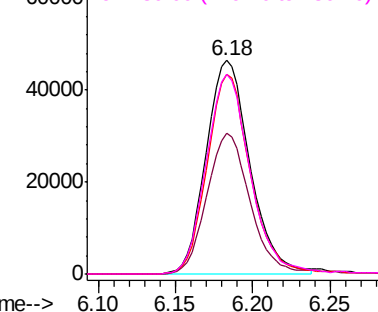
#34

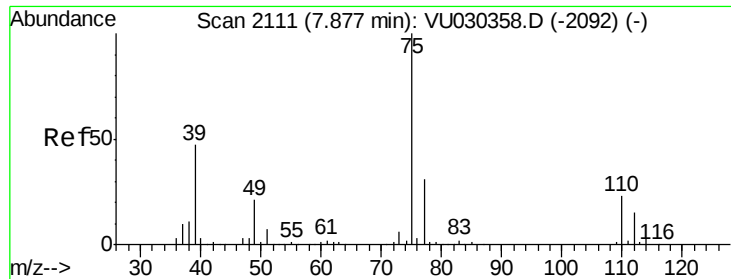
Trichloroethene
Concen: 26.387 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU030360.D
Acq: 24 Mar 2019 11:06

Tgt Ion: 95 Resp: 91540
Ion Ratio Lower Upper
95 100
97 65.9 45.7 84.9
132 93.6 63.8 118.4
130 93.8 65.7 121.9



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





#44

trans-1,3-Dichloropropene

Concen: 0.679 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030360.D

Acq: 24 Mar 2019 11:06

Instrument :

MSVOA_U

ClientSampleId :

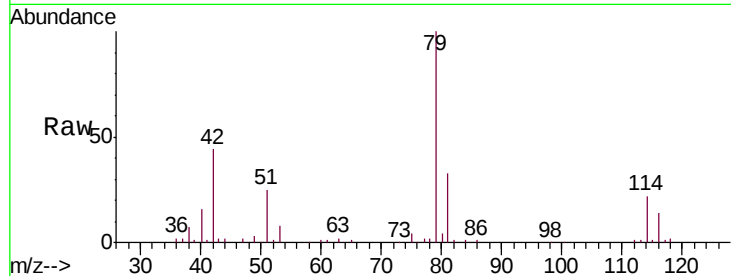
BF1A3

Tgt Ion: 75 Resp: 3437

Ion Ratio Lower Upper

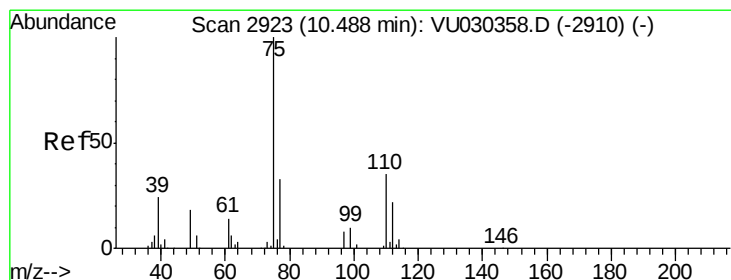
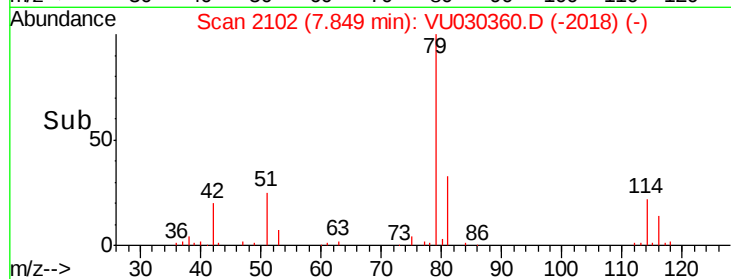
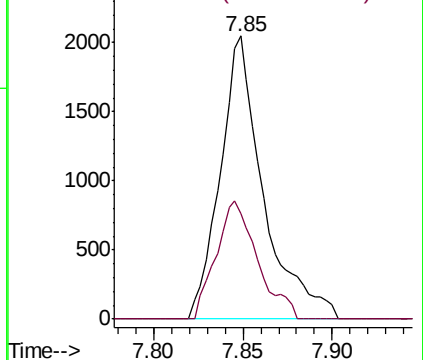
75 100

77 37.1 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 4.644 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030360.D

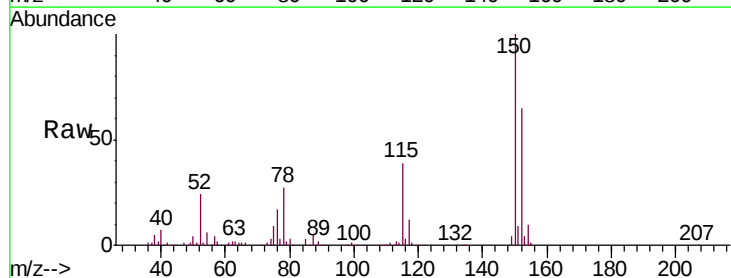
Acq: 24 Mar 2019 11:06

Tgt Ion: 75 Resp: 22636

Ion Ratio Lower Upper

75 100

77 35.6 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

