

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
 Data File : VU031248.D
 Acq On : 17 Apr 2019 10:37
 Operator : JC/SP
 Sample : K2409-04DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC27DL

Quant Time: Apr 18 04:53:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 04:50:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	509661	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	492912	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	198268	50.00	ug/L	0.00

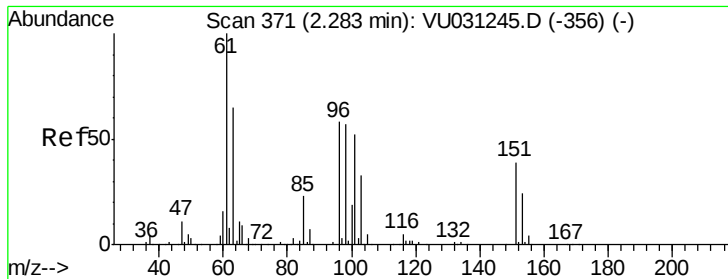
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	193078	41.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.28%
7) Chloroethane-d5	1.68	69	163527	40.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.26%
11) 1,1-Dichloroethene-d2	2.27	63	290820	31.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.56%
21) 2-Butanone-d5	4.20	46	296171	86.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.64%
24) Chloroform-d	4.64	84	318949	40.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.46%
26) 1,2-Dichloroethane-d4	5.31	65	214605	44.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.00%
32) Benzene-d6	5.34	84	656178	42.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.22%
36) 1,2-Dichloropropane-d6	6.33	67	218774	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.52%
41) Toluene-d8	7.56	98	577971	42.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.30%
43) trans-1,3-Dichloropropene-	7.85	79	97501	40.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.66%
47) 2-Hexanone-d5	8.31	63	207051	86.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.73%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	293576	41.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	199812	43.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2543	0.626	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	10232	2.569	ug/L #	1
13) Acetone	2.35	43	12625	4.799	ug/L	56
19) 1,1-Dichloroethane	3.45	63	5600	0.776	ug/L #	93
20) cis-1,2-Dichloroethene	4.22	96	3626	0.858	ug/L	99
34) Trichloroethene	6.18	95	118696	28.614	ug/L	93
39) cis-1,3-Dichloropropene	7.22	75	5573	0.847	ug/L	95
44) trans-1,3-Dichloropropene	7.85	75	3487	0.610	ug/L	90
59) 1,2,3-Trichloropropane	11.48	75	22606	4.329	ug/L	89

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



#10

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

Concen: 0.626 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031248.D

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MSVOA_U

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BFC27DL

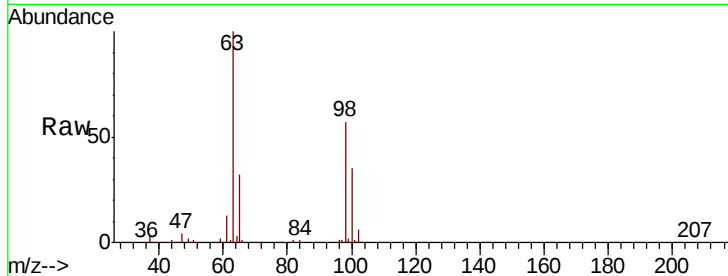
Tgt Ion:101 Resp: 2543

Ion Ratio Lower Upper

101 100

85 1.9 35.4 53.0#

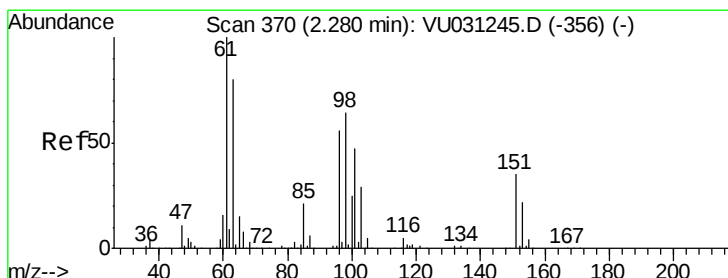
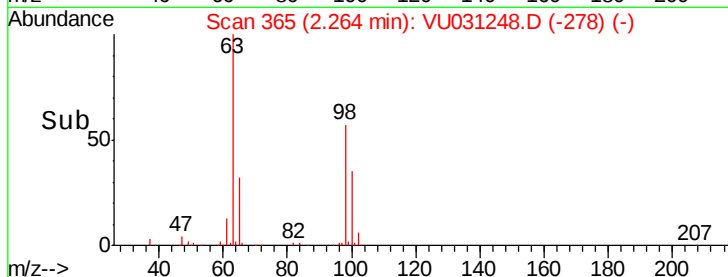
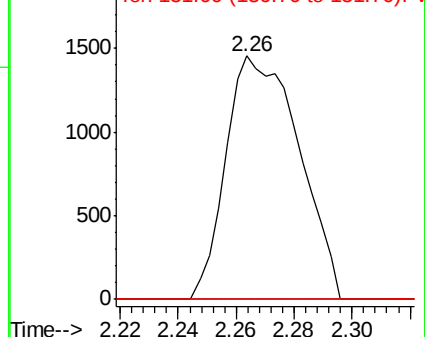
151 0.0 59.8 89.8#



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: 2.569 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031248.D

Acq: 17 Apr 2019 10:37

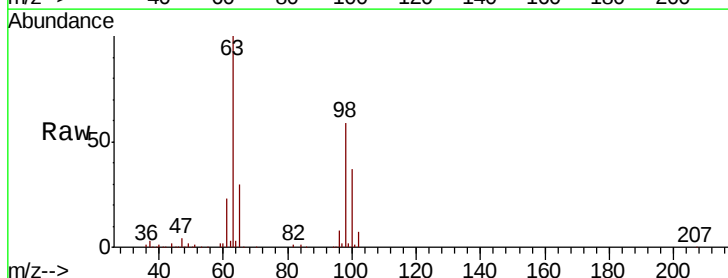
Tgt Ion: 96 Resp: 10232

Ion Ratio Lower Upper

96 100

61 289.0 130.4 242.2#

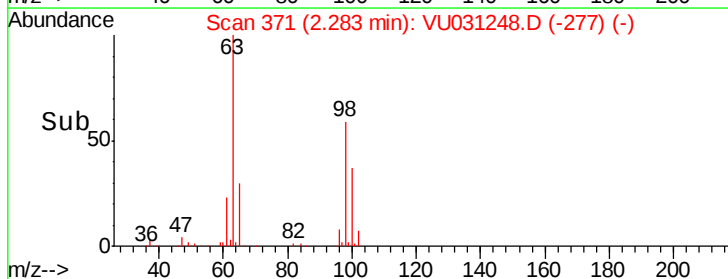
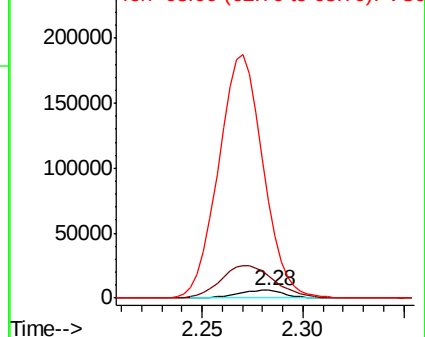
63 1265.6 108.9 202.3#

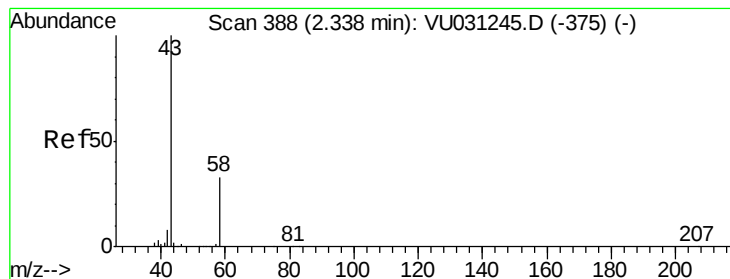


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.799 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.01 min

Lab File: VU031248.D

Acq: 17 Apr 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

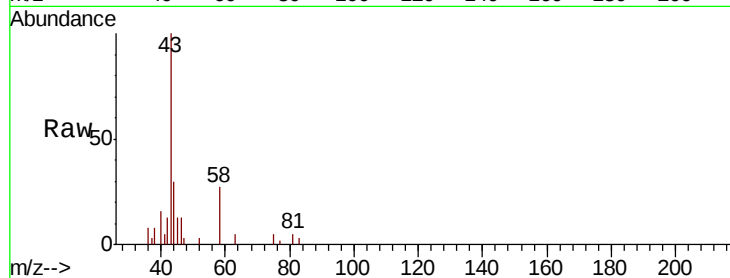
BFC27DL

Tgt Ion: 43 Resp: 12625

Ion Ratio Lower Upper

43 100

58 8.1 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU031248.D (-391) (-)

Ion 58.00 (57.70 to 58.70): VU031248.D (-391) (-)

2.35

4000

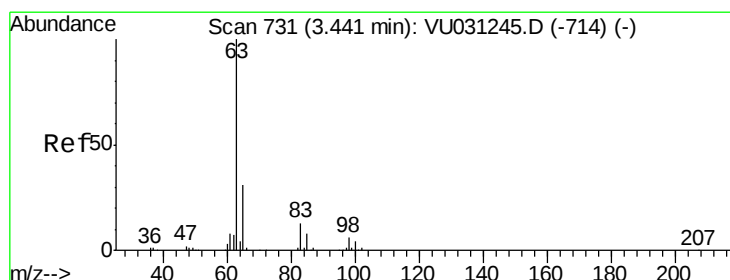
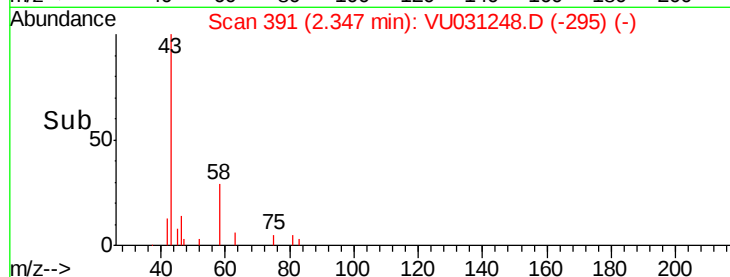
3000

2000

1000

0

Time--> 2.25 2.30 2.35 2.40 2.45



#19

1,1-Dichloroethane

Concen: 0.776 ug/L

RT: 3.45 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU031248.D

Acq: 17 Apr 2019 10:37

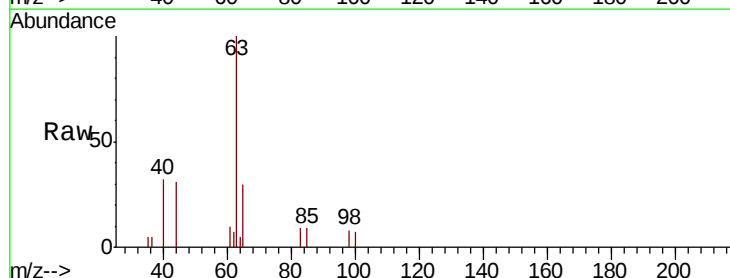
Tgt Ion: 63 Resp: 5600

Ion Ratio Lower Upper

63 100

65 30.1 22.8 42.4

83 8.8 9.7 17.9#



Abundance Ion 63.00 (62.70 to 63.70): VU031248.D (-733) (-)

Ion 65.00 (64.70 to 65.70): VU031248.D (-733) (-)

Ion 83.00 (82.70 to 83.70): VU031248.D (-733) (-)

3.45

3000

2500

2000

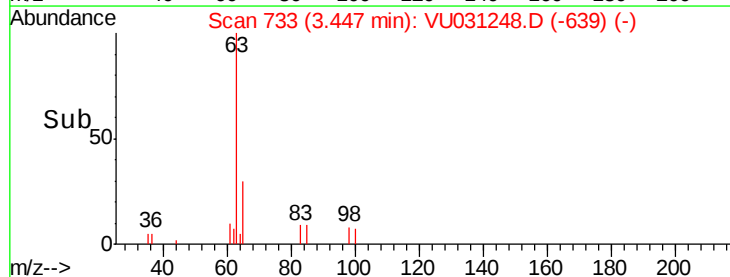
1500

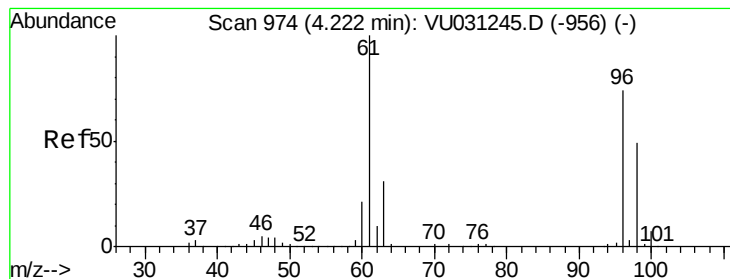
1000

500

0

Time--> 3.40 3.45 3.50



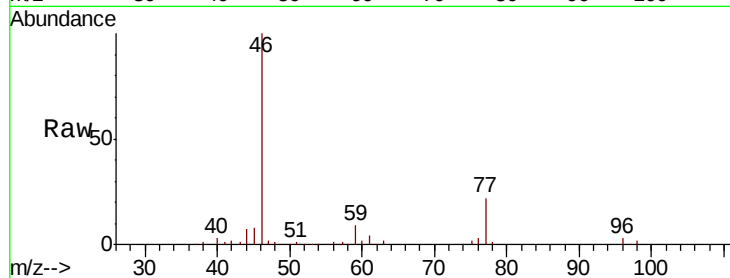


#20

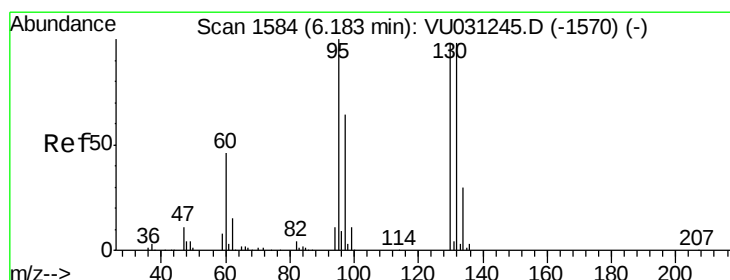
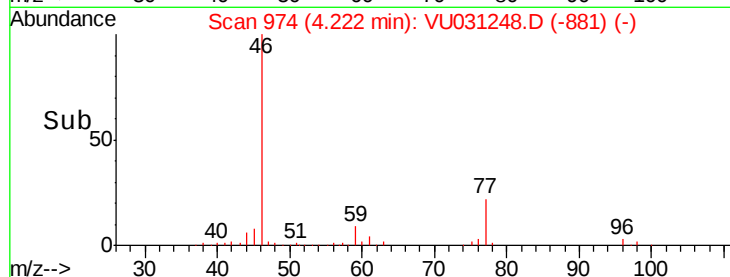
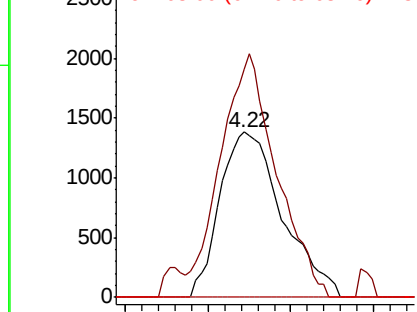
cis-1,2-Dichloroethene
Concen: 0.858 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU031248.D
Acq: 17 Apr 2019 10:37

Instrument :
MSVOA_U
ClientSampleId :
BFC27DL

Tgt Ion: 96 Resp: 3626
Ion Ratio Lower Upper
96 100
61 138.7 98.2 182.4
68 0.0 0.0 0.0



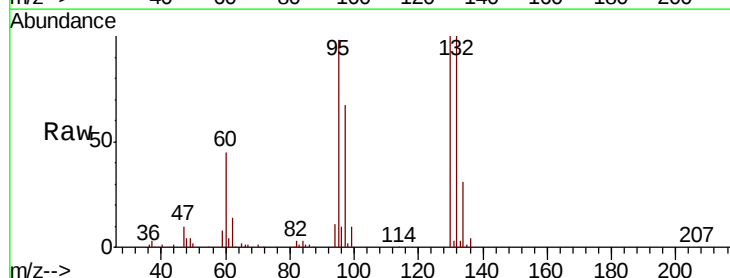
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



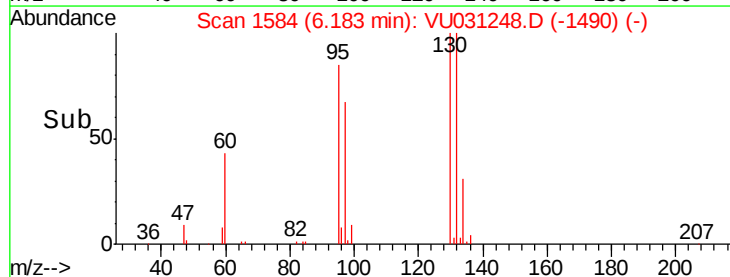
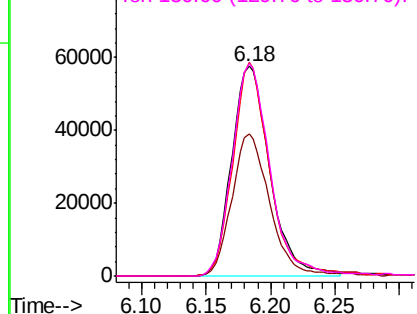
#34

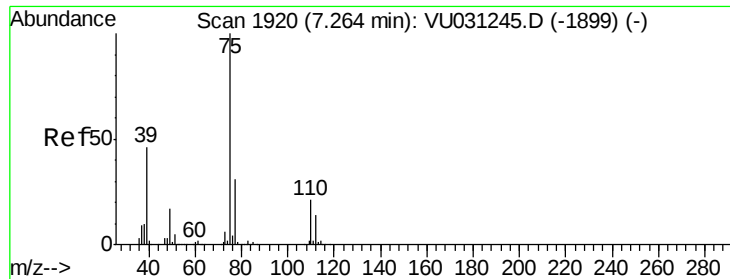
Trichloroethene
Concen: 28.614 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU031248.D
Acq: 17 Apr 2019 10:37

Tgt Ion: 95 Resp: 118696
Ion Ratio Lower Upper
95 100
97 68.1 43.6 81.0
132 102.0 64.5 119.7
130 101.5 68.0 126.2



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



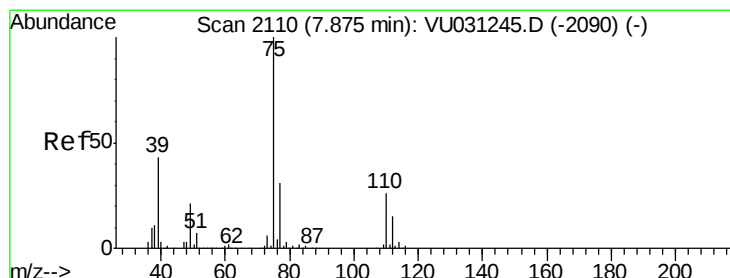
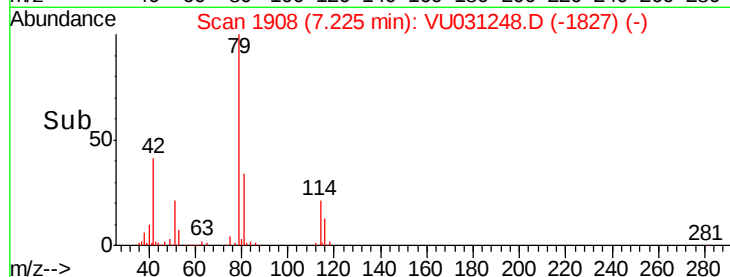
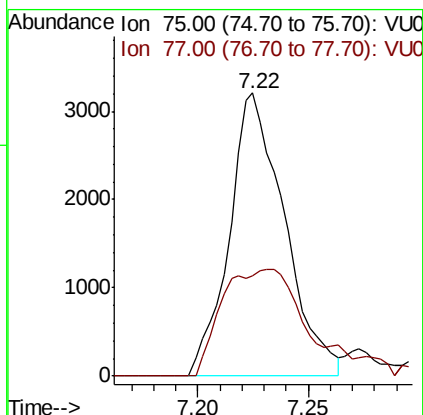
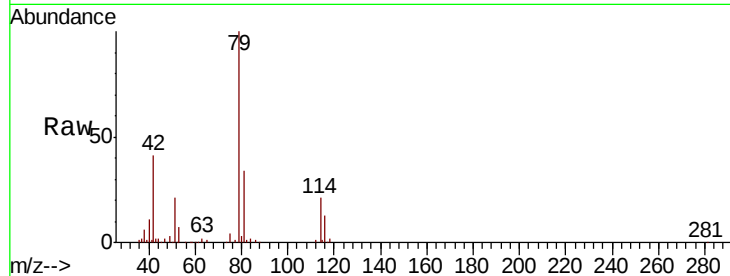


#39

cis-1,3-Dichloropropene
Concen: 0.847 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU031248.D
Acq: 17 Apr 2019 10:37

Instrument :
MSVOA_U
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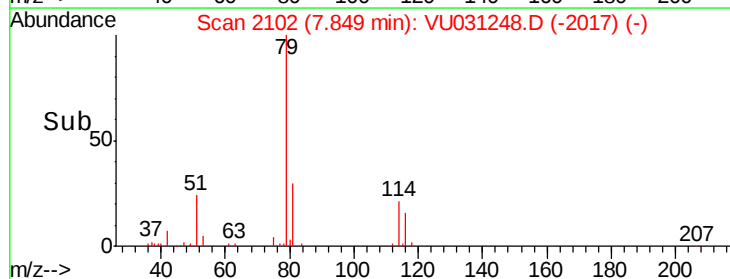
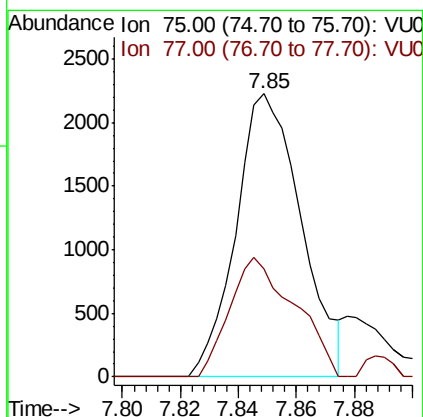
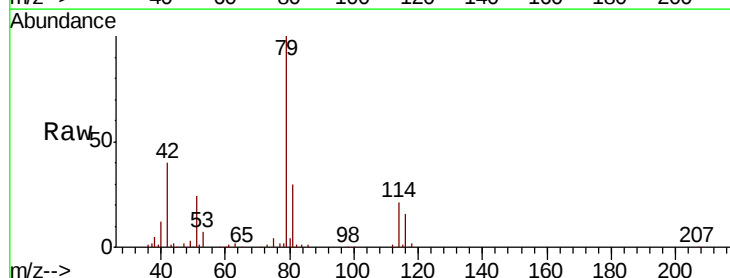
Tgt Ion: 75 Resp: 5573
Ion Ratio Lower Upper
75 100
77 35.5 22.7 42.1

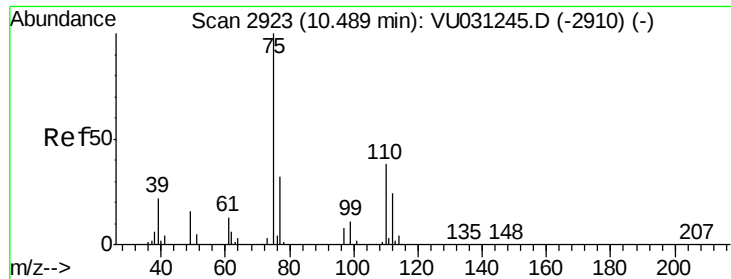


#44

trans-1,3-Dichloropropene
Concen: 0.610 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU031248.D
Acq: 17 Apr 2019 10:37

Tgt Ion: 75 Resp: 3487
Ion Ratio Lower Upper
75 100
77 38.1 22.8 42.4





#59

1,2,3-Trichloropropane

Concen: 4.329 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031248.D

Acq: 17 Apr 2019 10:37

Instrument :

MSVOA_U

ClientSampleId :

BFC27DL

Tgt Ion: 75 Resp: 22606

Ion Ratio Lower Upper

75 100

77 38.1 25.4 38.2

