

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\
 Data File : VU026345.D
 Acq On : 24 Aug 2018 19:49
 Operator : MD/SY
 Sample : J4644-11 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 25 04:28:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	296697	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	287480	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	137223	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74739	41.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.60%
7) Chloroethane-d5	1.68	69	62498	42.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.70%
11) 1,1-Dichloroethene-d2	2.27	63	115049	32.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.70%
21) 2-Butanone-d5	4.18	46	142372	98.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.57%
24) Chloroform-d	4.65	84	182552	45.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.52%
26) 1,2-Dichloroethane-d4	5.31	65	120034	45.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.46%
32) Benzene-d6	5.35	84	350107	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.04%
36) 1,2-Dichloropropane-d6	6.33	67	115297	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.38%
41) Toluene-d8	7.57	98	314969	42.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.70%
43) trans-1,3-Dichloropropene-	7.85	79	55152	43.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.46%
47) 2-Hexanone-d5	8.31	63	97451	92.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	166233	45.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	137592	47.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.50%

Target Compounds

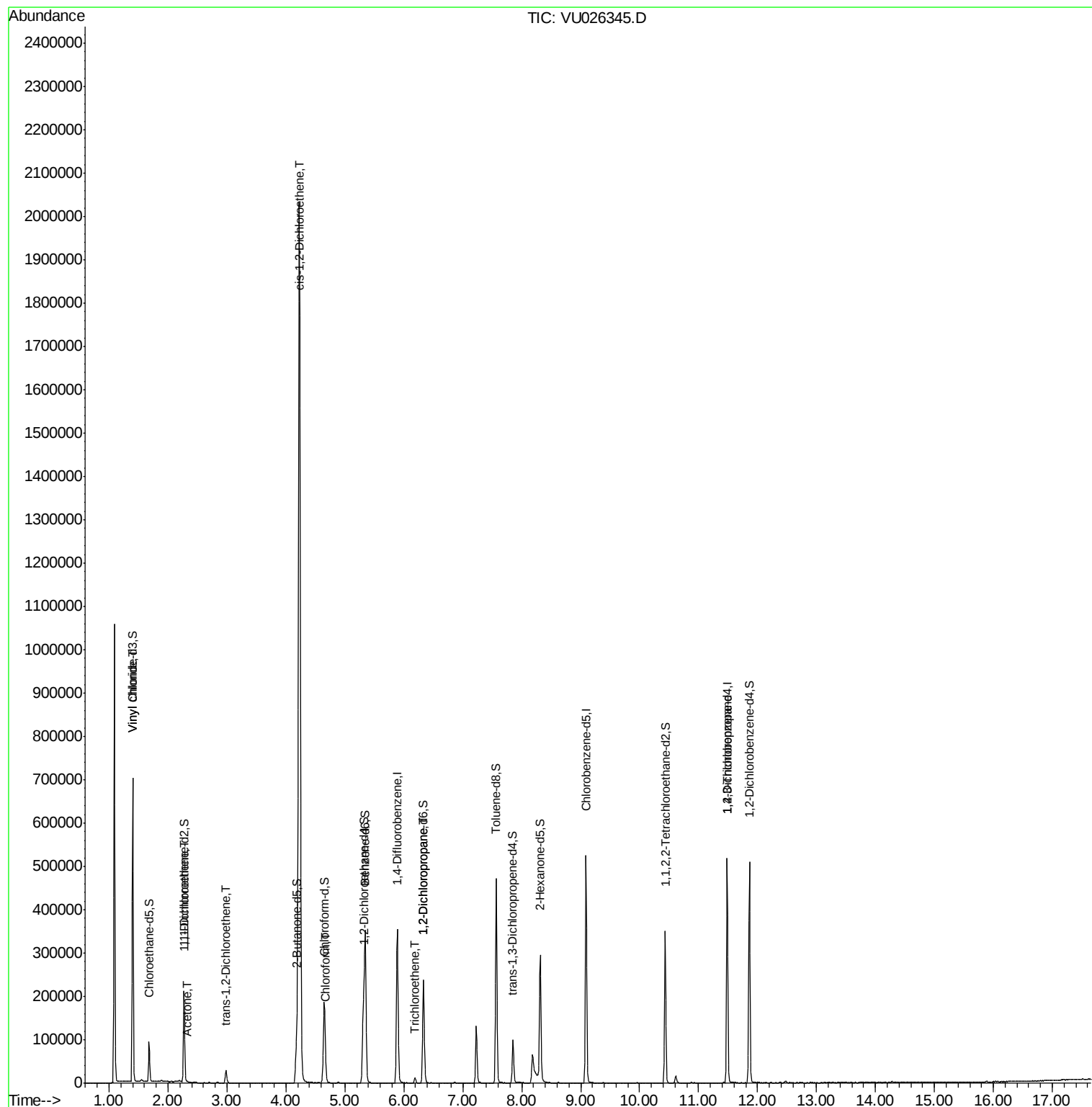
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	370414	171.163	ug/L	96
12) 1,1-Dichloroethene	2.28	96	2846	1.823	ug/L #	1
13) Acetone	2.32	43	1879	1.681	ug/L	71
17) trans-1,2-Dichloroethene	2.99	96	11732	6.095	ug/L	91
20) cis-1,2-Dichloroethene	4.23	96	1147917	540.295	ug/L	98
25) Chloroform	4.68	83	4828	1.290	ug/L	98
34) Trichloroethene	6.19	95	3700	1.785	ug/L	98
37) 1,2-Dichloropropane	6.34	63	12920	6.032	ug/L #	87
59) 1,2,3-Trichloropropane	11.49	75	14826	5.552	ug/L #	82

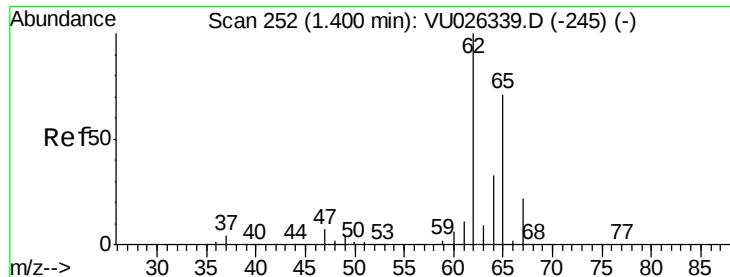
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Aug 25 04:25:01 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 171.163 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026345.D

Acq: 24 Aug 2018 19:49

Instrument :

MSVOA_U

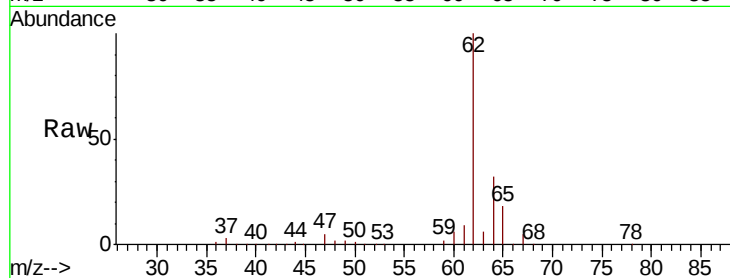
ClientSampled :

Tot Ion: 62 Resp: 370414

Ion Ratio Lower Upper

62 100

64 32.3 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

400000

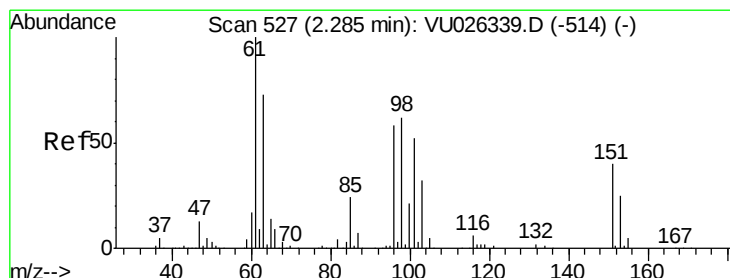
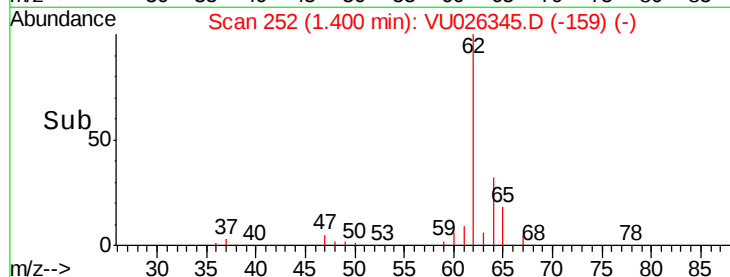
300000

200000

100000

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.823 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026345.D

Acq: 24 Aug 2018 19:49

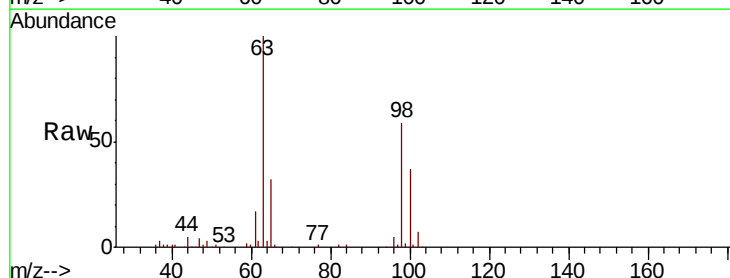
Tgt Ion: 96 Resp: 2846

Ion Ratio Lower Upper

96 100

61 321.5 124.7 231.5#

63 1899.1 93.7 174.1#



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

100000

80000

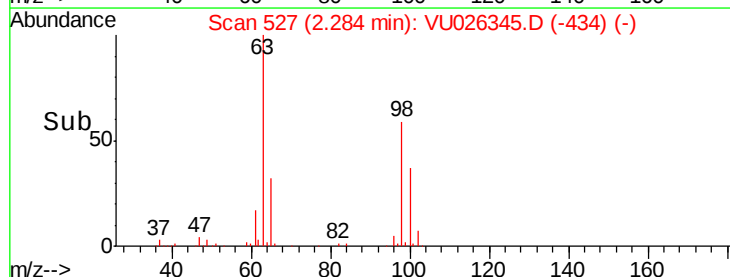
60000

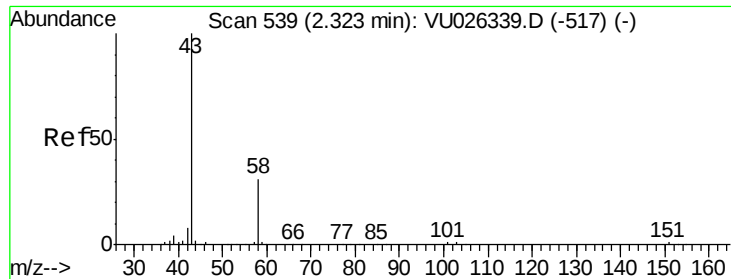
40000

20000

0

Time-->





#13

Acetone

Concen: 1.681 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU026345.D

Acq: 24 Aug 2018 19:49

Instrument :

MSVOA_U

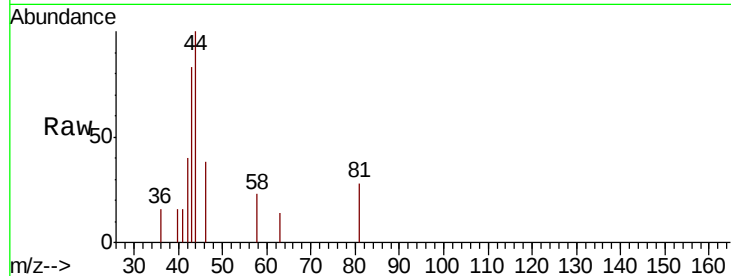
ClientSampleId :

Tot Ion: 43 Resp: 1879

Ion Ratio Lower Upper

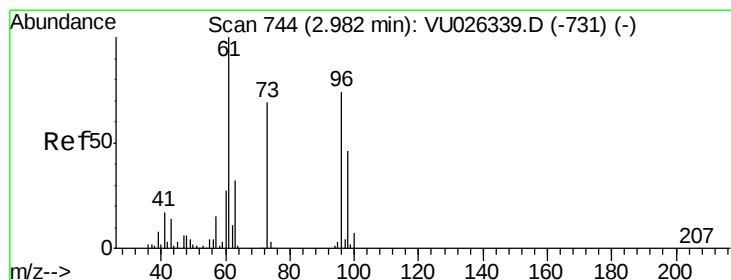
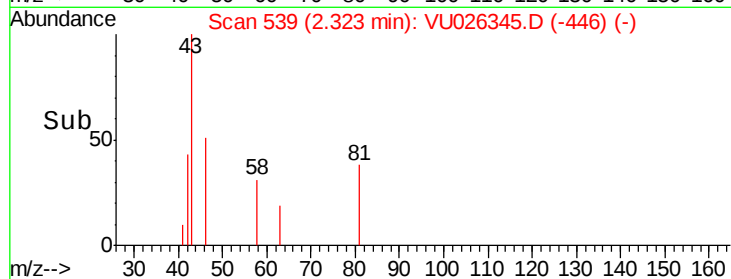
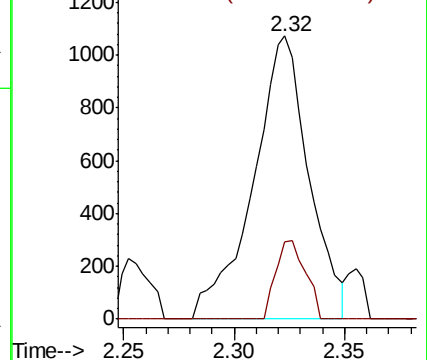
43 100

58 14.7 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 6.095 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026345.D

Acq: 24 Aug 2018 19:49

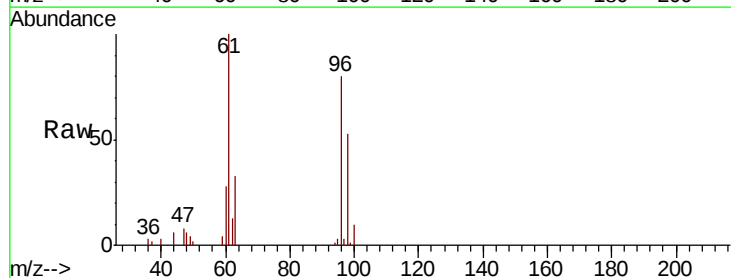
Tgt Ion: 96 Resp: 11732

Ion Ratio Lower Upper

96 100

61 124.6 97.9 181.9

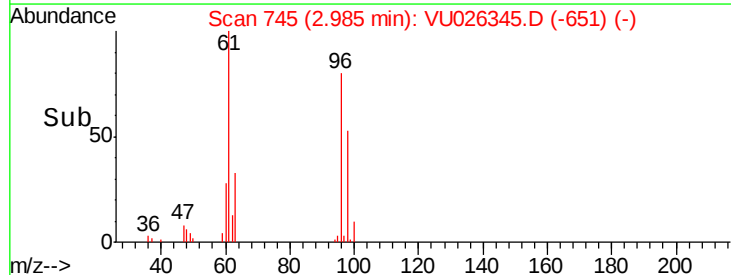
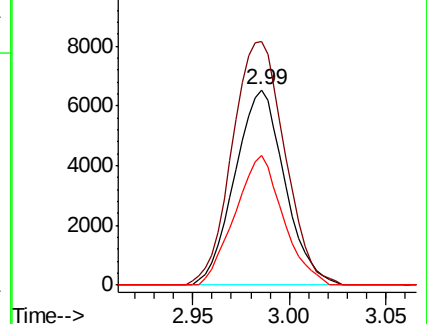
98 66.1 45.1 83.7

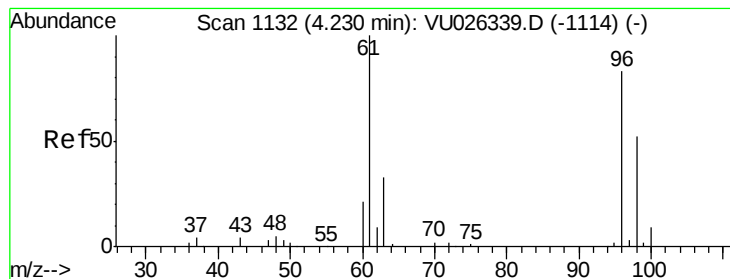


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 540.295 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026345.D

Acq: 24 Aug 2018 19:49

Instrument :

MSVOA_U

ClientSampleId :

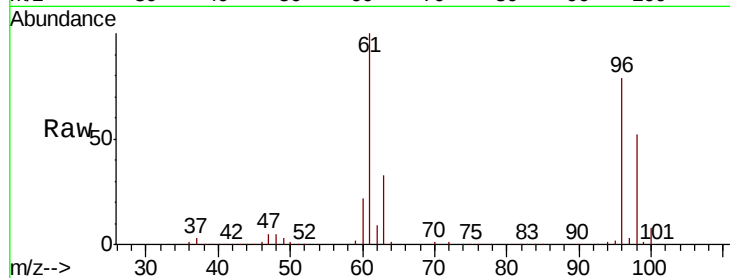
Tot Ion: 96 Resp: 1147917

Ion Ratio Lower Upper

96 100

61 126.1 90.3 167.7

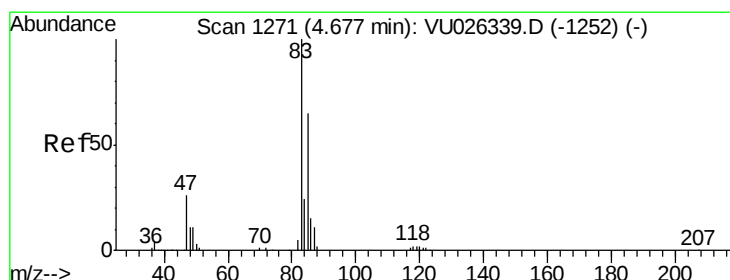
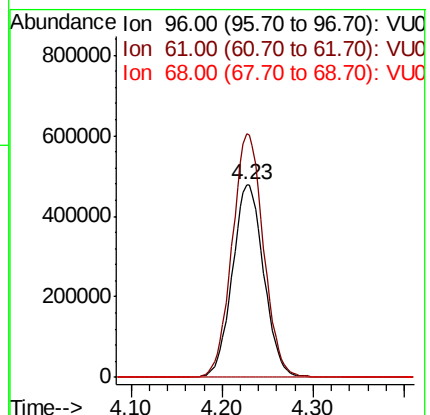
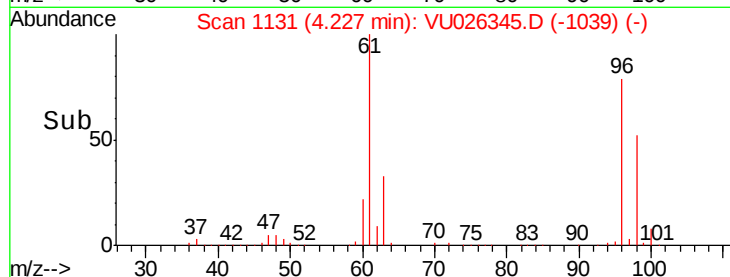
68 0.0 0.0 0.0



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



#25

Chloroform

Concen: 1.290 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU026345.D

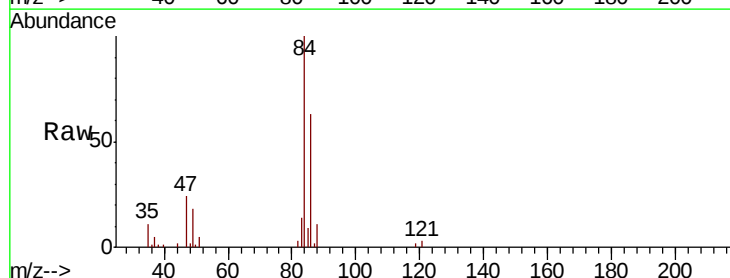
Acq: 24 Aug 2018 19:49

Tgt Ion: 83 Resp: 4828

Ion Ratio Lower Upper

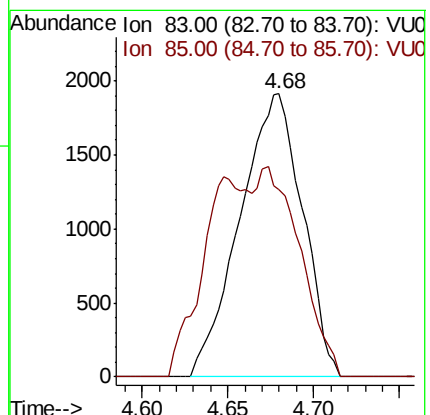
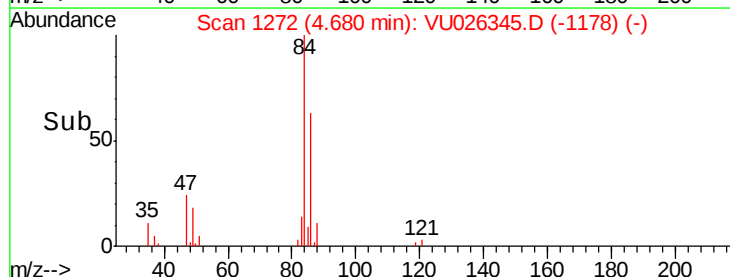
83 100

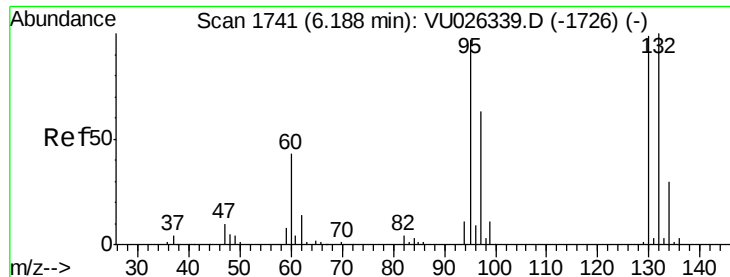
85 66.1 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

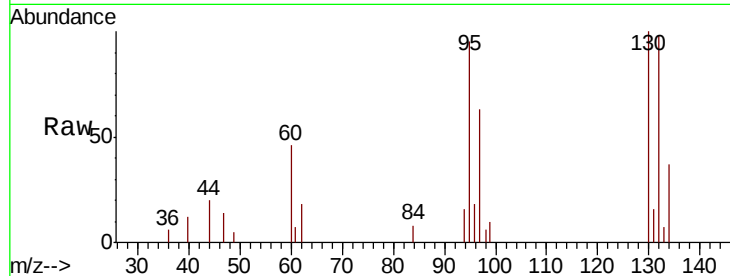




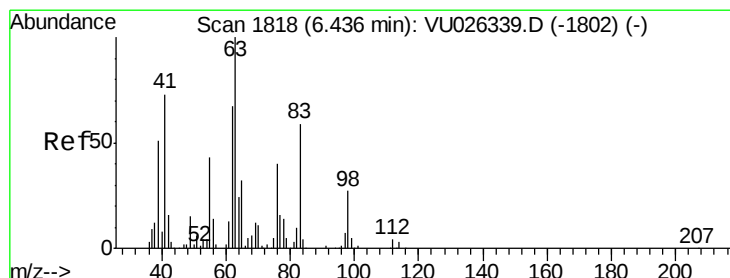
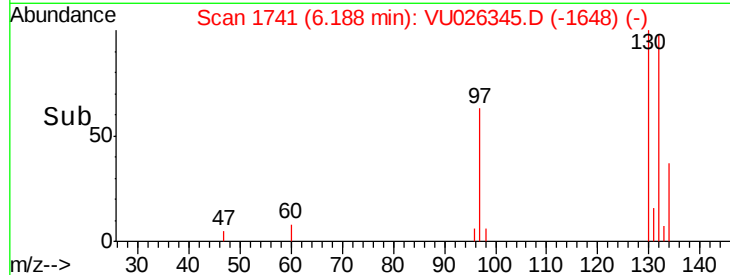
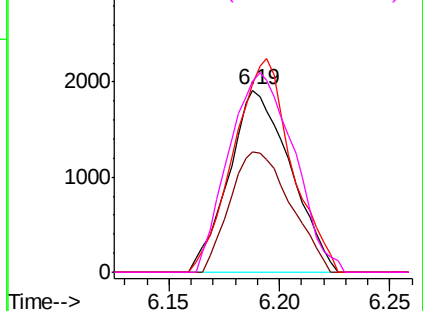
#34
 Trichloroethene
 Concen: 1.785 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026345.D
 Acq: 24 Aug 2018 19:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 3700
 Ion Ratio Lower Upper
 95 100
 97 65.8 47.2 87.6
 132 103.3 70.2 130.4
 130 105.0 73.4 136.4

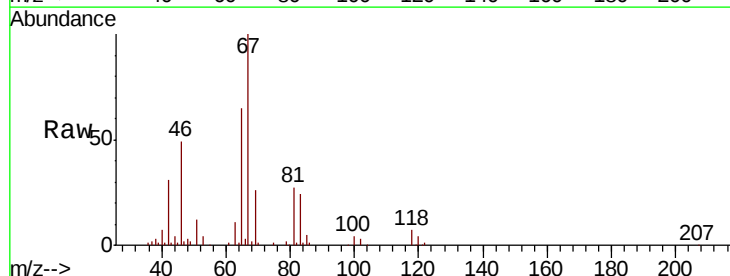


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

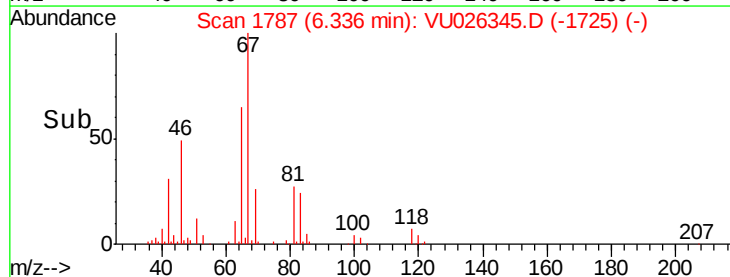
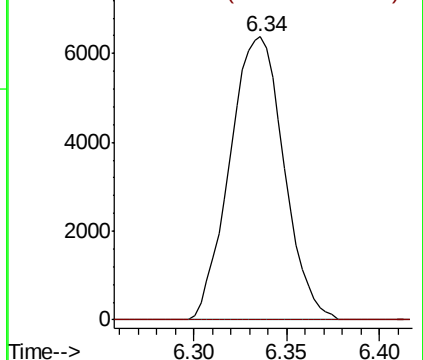


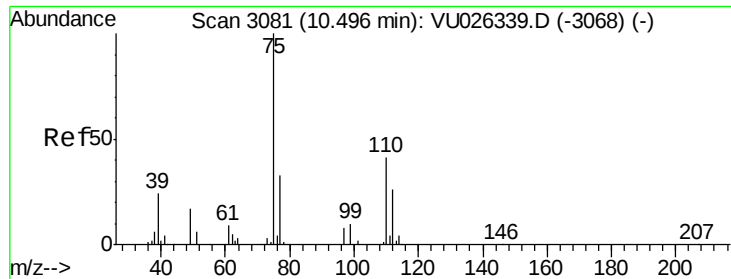
#37
 1,2-Dichloropropane
 Concen: 6.032 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU026345.D
 Acq: 24 Aug 2018 19:49

Tgt Ion: 63 Resp: 12920
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 112.00 (111.70 to 112.70): V





#59

1,2,3-Trichloropropane

Concen: 5.552 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU026345.D

Acq: 24 Aug 2018 19:49

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 14826

Ion Ratio Lower Upper

75 100

77 41.7 25.5 38.3#

