

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
 Data File : VU026805.D
 Acq On : 16 Sep 2018 03:40
 Operator : MD/SY
 Sample : J4918-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY2

Quant Time: Sep 17 07:15:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 07:09:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	119669	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	97139	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	39863	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42886	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.68	69	36650	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.28	63	86523	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.00%
20) 2-Butanone-d5	4.20	46	96382	48.05	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.10%
24) Chloroform-d	4.65	84	73490	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.31	65	38759	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.34	84	154849	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
36) 1,2-Dichloropropane-d6	6.33	67	49158	5.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.60%
41) Toluene-d8	7.57	98	115939	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.85	79	14053	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.32	63	58931	46.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	35395	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	42528	5.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.00%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	473	0.036 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	836	0.088 ug/L #	24
12) 1,1-Dichloroethene	2.29	96	45170	5.065 ug/L	99
13) Acetone	2.32	43	2376	1.332 ug/L	88
15) Methyl Acetate	2.45	43	8744	1.869 ug/L #	52
19) 1,1-Dichloroethane	3.45	63	6769	0.370 ug/L	99
21) 2-Butanone	4.29	43	17713	6.011 ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	67151	6.342 ug/L	99
25) Chloroform	4.67	83	2340	0.133 ug/L #	71
29) 1,1,1-Trichloroethane	4.91	97	14493	1.036 ug/L	100
31) Carbon tetrachloride	4.91	117	1876	0.152 ug/L	97
34) Trichloroethene	6.18	95	712397	76.888 ug/L	99
35) Methylcyclohexane	6.33	83	11627	0.772 ug/L #	16
37) 1,2-Dichloropropane	6.33	63	5294	0.548 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	945	0.073 ug/L #	63
45) 1,1,2-Trichloroethane	8.08	97	381	0.059 ug/L	88
59) 1,2,3-Trichloropropane	11.48	75	4276	0.753 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
Data File : VU026805.D
Acq On : 16 Sep 2018 03:40
Operator : MD/SY
Sample : J4918-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

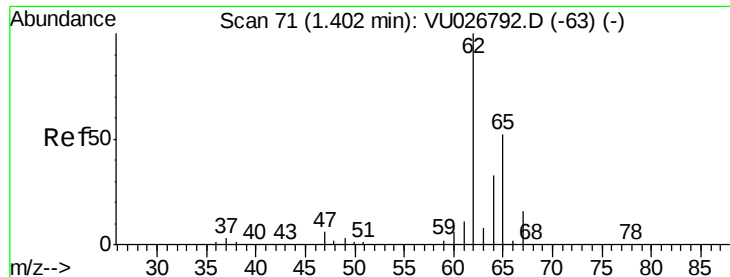
Instrument :
MSVOA_U
ClientSampleId :
C0KY2

Quant Time: Sep 17 07:15:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 07:09:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	13.75	128	10857	0.771	ug/L	99
-----	-----	-----	-----	-----	-----	-----

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
Data File : VU026805.D
Acq On    : 16 Sep 2018   03:40
Operator  : MD/SY
Sample    : J4918-12
Misc      : 25.0mL/MSVOA_U/WATER
ALS Vial  : 39      Sample Multiplier: 1
```



#5

Vinyl chloride

Concen: 0.036 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.00 min

Lab File: VU026805.D

Acq: 16 Sep 2018 03:40

Instrument :

MSVOA_U

ClientSampled :

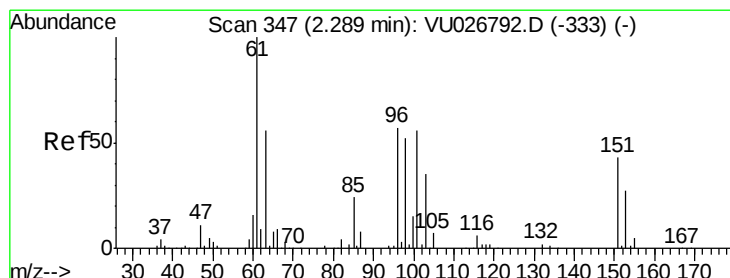
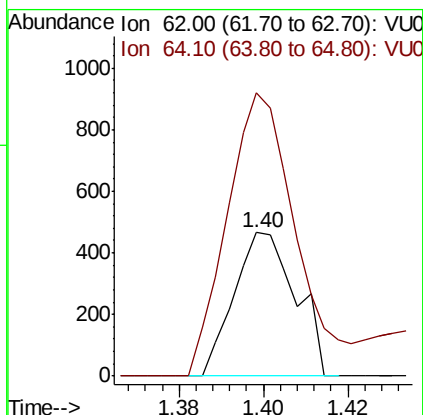
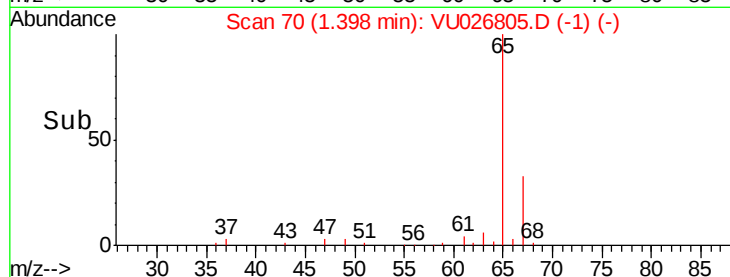
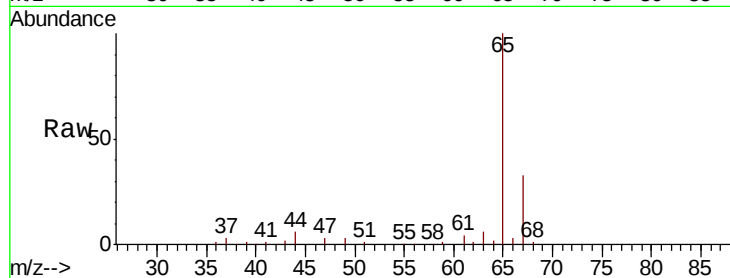
C0KY2

Tgt Ion: 62 Resp: 473

Ion Ratio Lower Upper

62 100

64 197.2 22.7 42.3#



#10

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

Concen: 0.088 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU026805.D

Acq: 16 Sep 2018 03:40

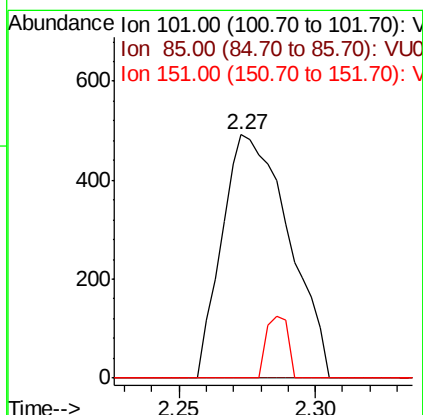
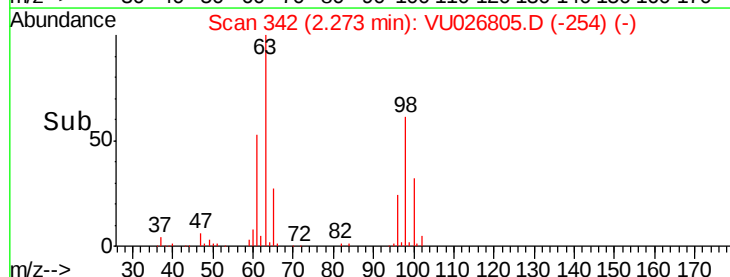
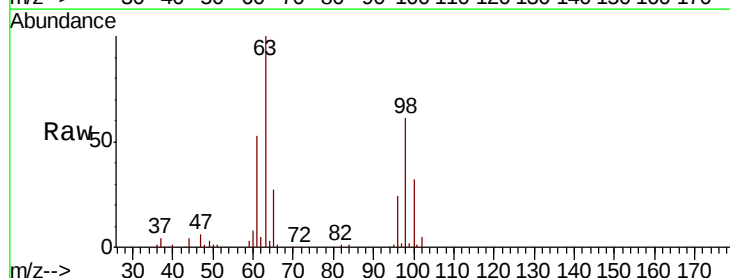
Tgt Ion: 101 Resp: 836

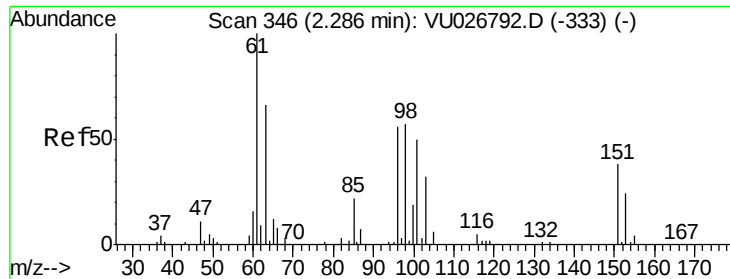
Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 8.0 63.3 94.9#

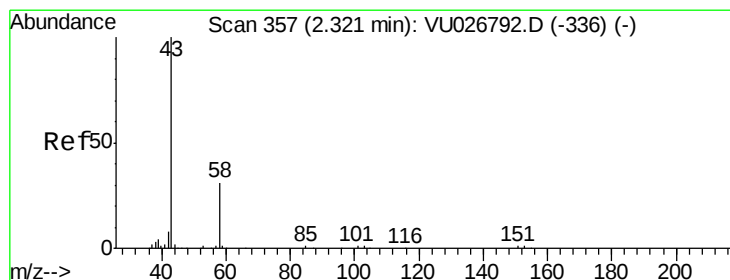
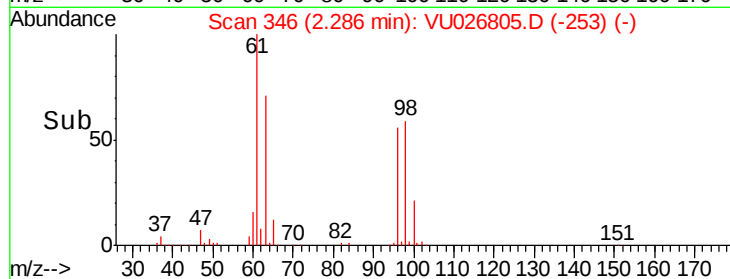
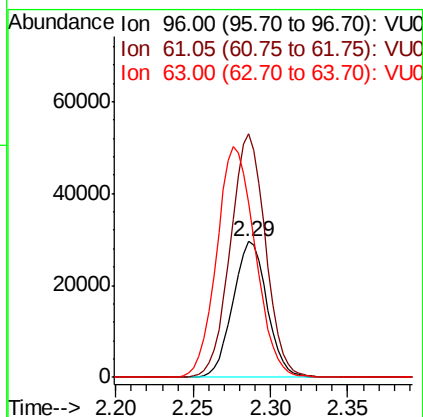
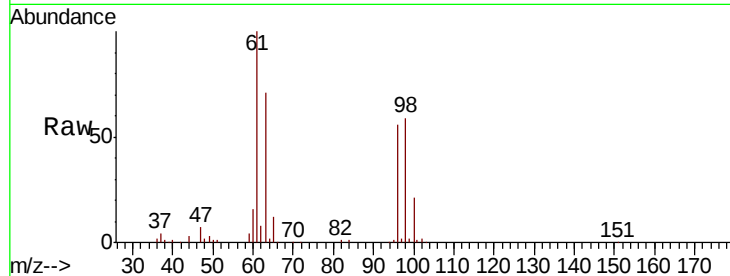




#12
 1,1-Dichloroethene
 Concen: 5.065 ug/L
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU026805.D
 Acq: 16 Sep 2018 03:40

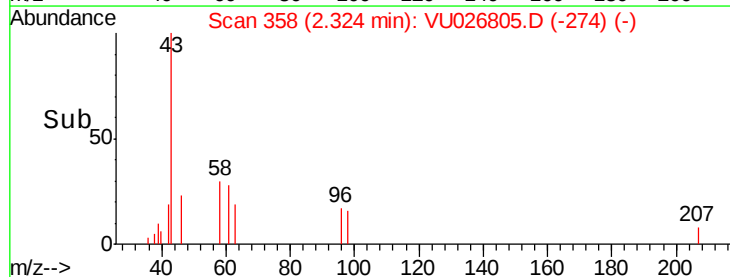
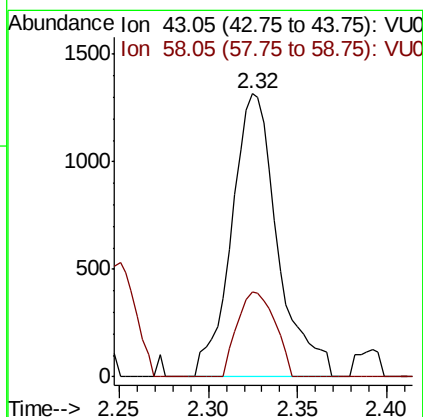
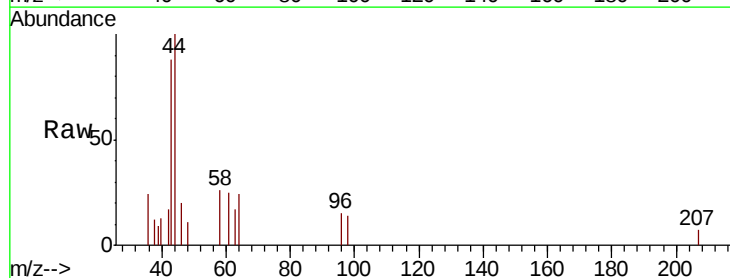
Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY2

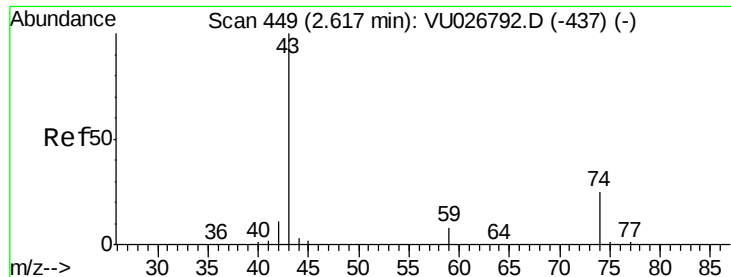
Tgt Ion: 96 Resp: 45170
 Ion Ratio Lower Upper
 96 100
 61 179.7 126.6 235.2
 63 128.4 91.3 169.5



#13
 Acetone
 Concen: 1.332 ug/L
 RT: 2.32 min Scan# 358
 Delta R.T. -0.03 min
 Lab File: VU026805.D
 Acq: 16 Sep 2018 03:40

Tgt Ion: 43 Resp: 2376
 Ion Ratio Lower Upper
 43 100
 58 24.6 0.0 63.0

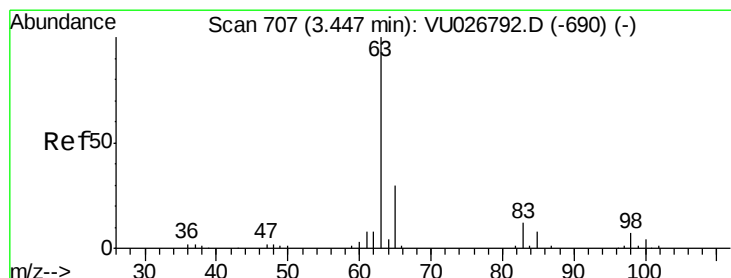
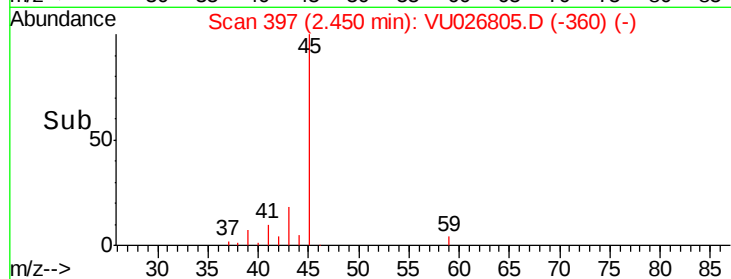
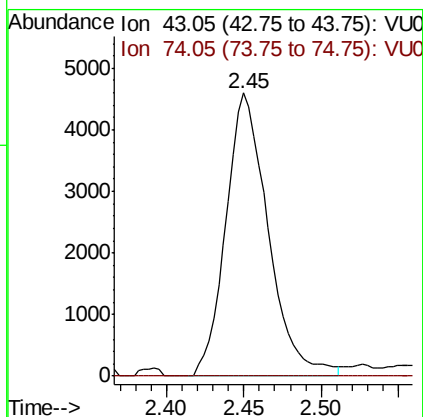
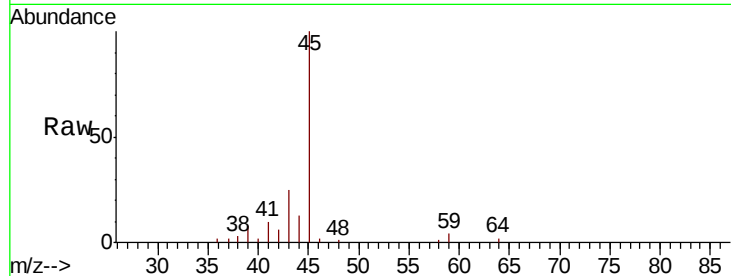




#15
Methyl Acetate
Concen: 1.869 ug/L
RT: 2.45 min Scan# 397
Delta R.T. -0.18 min
Lab File: VU026805.D
Acq: 16 Sep 2018 03:40

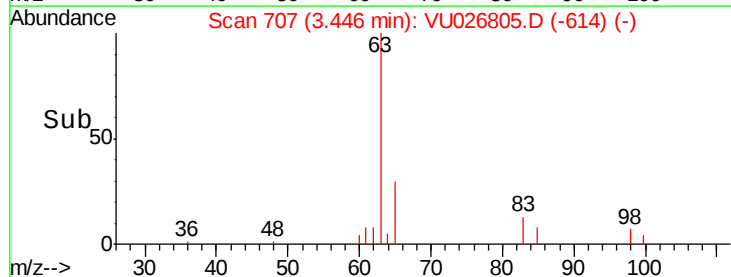
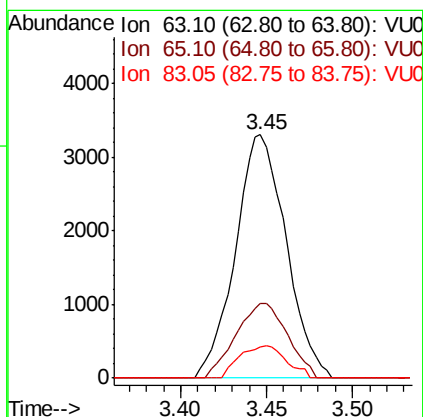
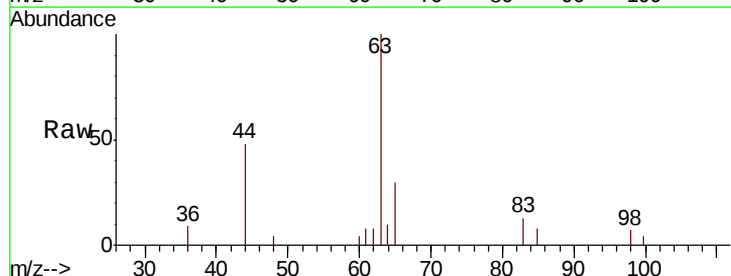
Instrument :
MSVOA_U
ClientSampleId :
C0KY2

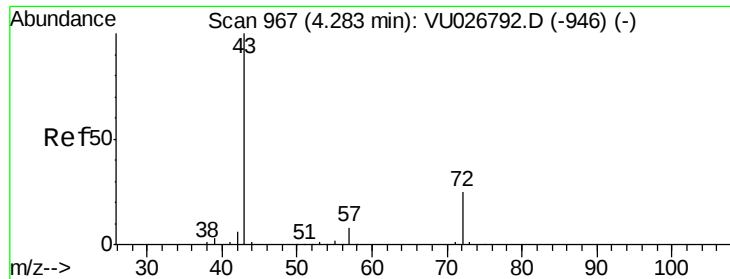
Tgt Ion: 43 Resp: 8744
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#19
1,1-Dichloroethane
Concen: 0.370 ug/L
RT: 3.45 min Scan# 707
Delta R.T. -0.00 min
Lab File: VU026805.D
Acq: 16 Sep 2018 03:40

Tgt Ion: 63 Resp: 6769
Ion Ratio Lower Upper
63 100
65 30.4 21.7 40.3
83 12.7 9.0 16.6





#21

2-Butanone

Concen: 6.011 ug/L

RT: 4.29 min Scan# 968

Delta R.T. -0.02 min

Lab File: VU026805.D

Acq: 16 Sep 2018 03:40

Instrument :

MSVOA_U

ClientSampleId :

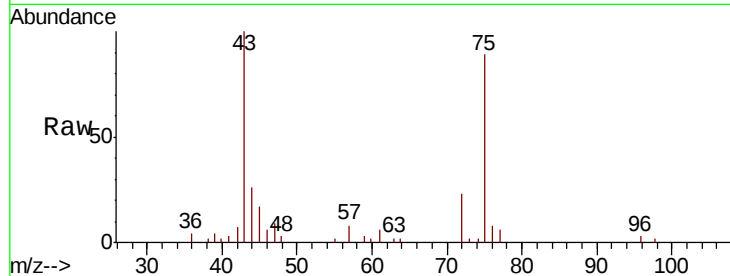
C0KY2

Tgt Ion: 43 Resp: 17713

Ion Ratio Lower Upper

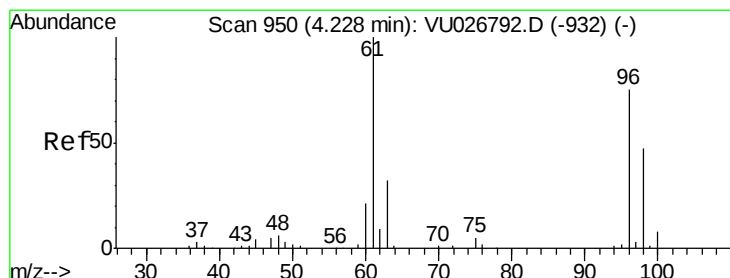
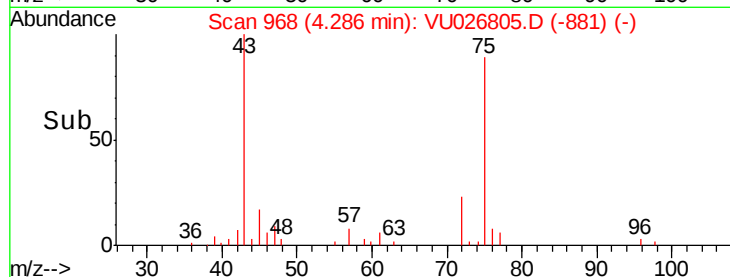
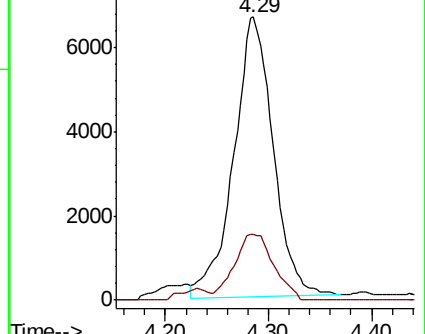
43 100

72 23.6 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 6.342 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026805.D

Acq: 16 Sep 2018 03:40

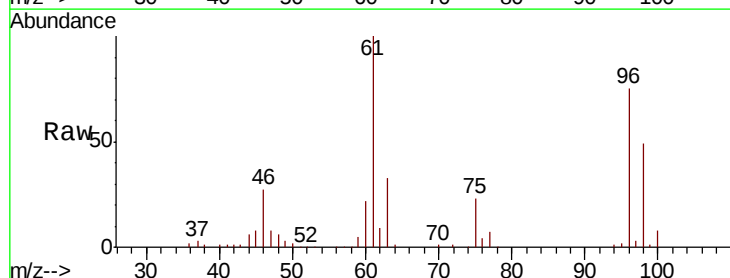
Tgt Ion: 96 Resp: 67151

Ion Ratio Lower Upper

96 100

61 134.1 94.4 175.2

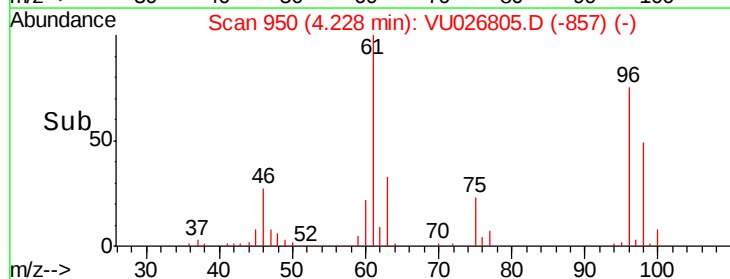
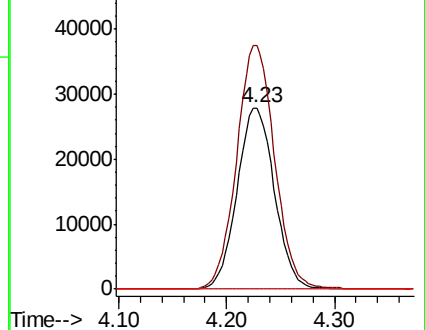
68 0.0 0.0 0.0

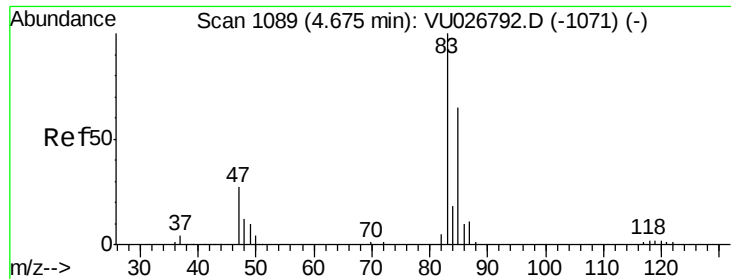


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

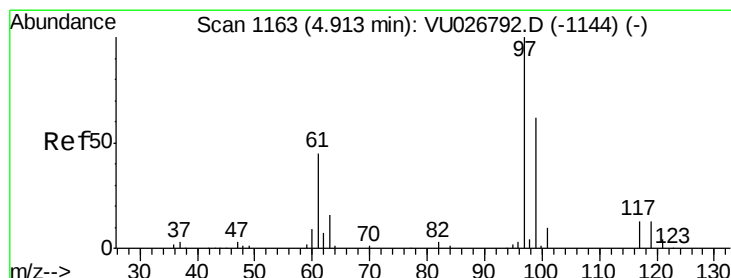
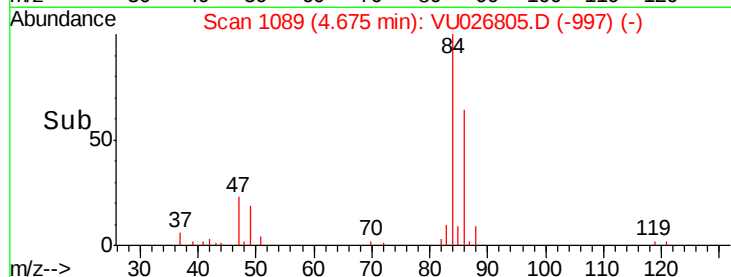
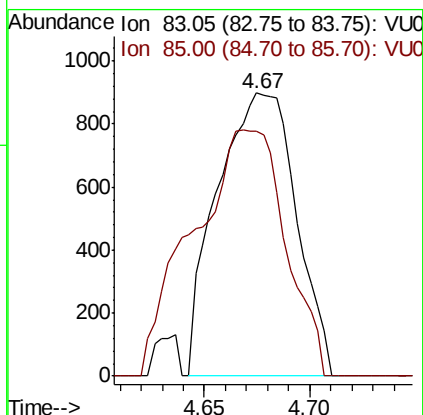
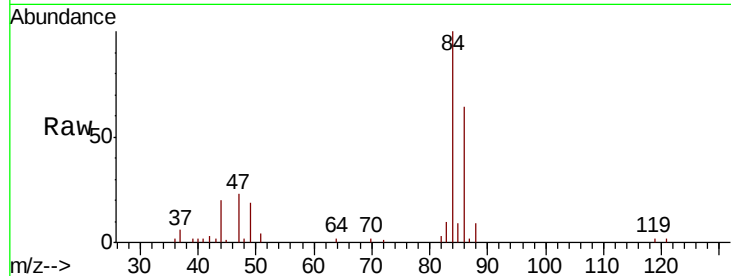




#25
Chloroform
Concen: 0.133 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026805.D
Acq: 16 Sep 2018 03:40

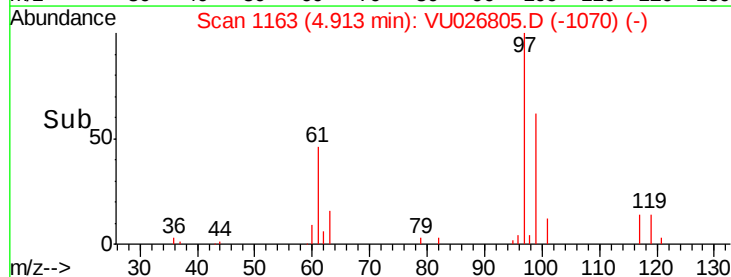
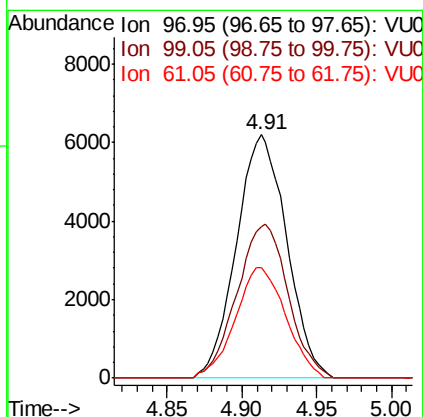
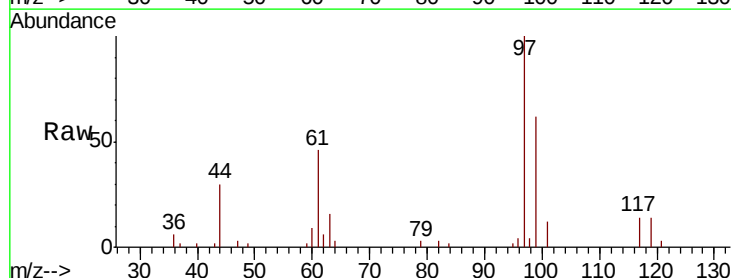
Instrument :
MSVOA_U
ClientSampleId :
C0KY2

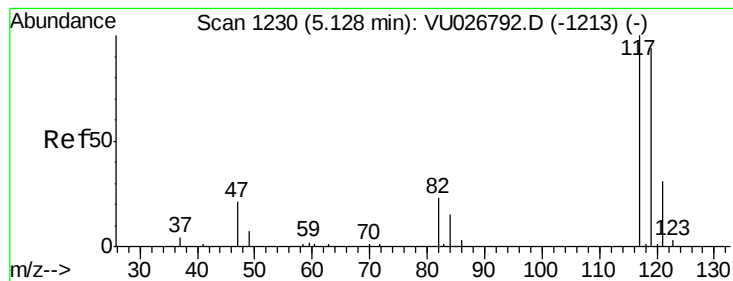
Tgt Ion: 83 Resp: 2340
Ion Ratio Lower Upper
83 100
85 86.6 44.8 83.2#



#29
1,1,1-Trichloroethane
Concen: 1.036 ug/L
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU026805.D
Acq: 16 Sep 2018 03:40

Tgt Ion: 97 Resp: 14493
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 45.5 36.6 54.8





#31

Carbon tetrachloride

Concen: 0.152 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. -0.22 min

Lab File: VU026805.D

Acq: 16 Sep 2018 03:40

Instrument :

MSVOA_U

ClientSampleId :

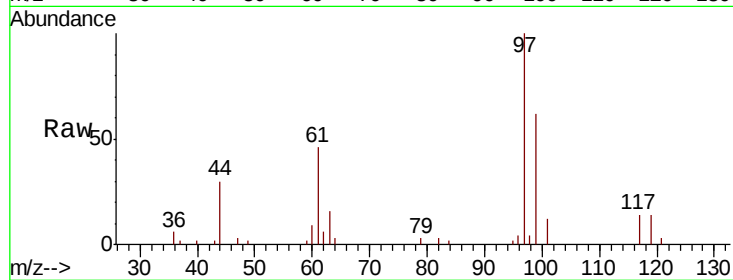
C0KY2

Tgt Ion: 117 Resp: 1876

Ion Ratio Lower Upper

117 100

119 99.0 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.91

800

600

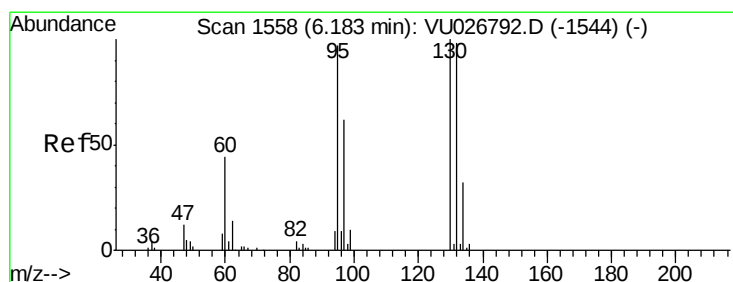
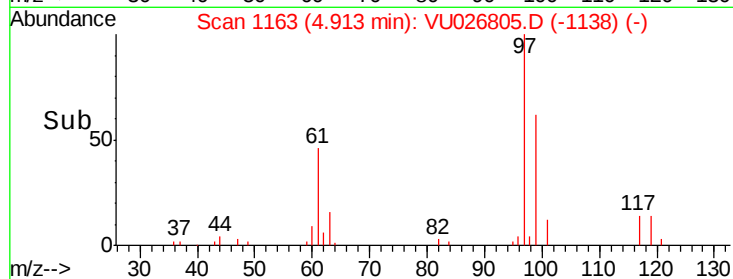
400

200

0

Time-->

4.85 4.90 4.95



#34

Trichloroethene

Concen: 76.888 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU026805.D

Acq: 16 Sep 2018 03:40

Tgt Ion: 95 Resp: 712397

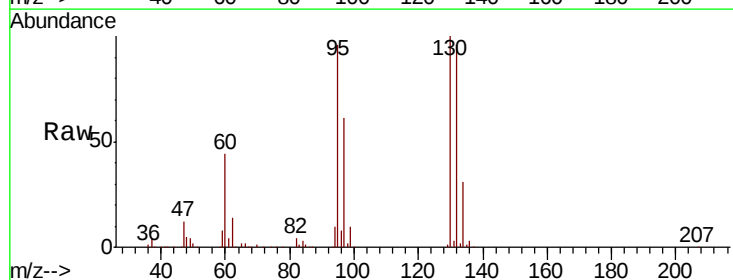
Ion Ratio Lower Upper

95 100

97 63.9 45.1 83.9

132 100.8 72.0 133.8

130 104.7 73.1 135.7



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

600000

500000

400000

300000

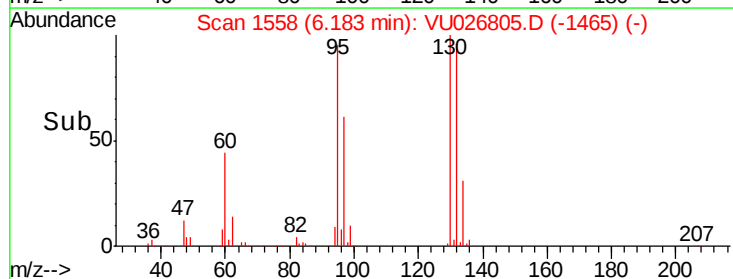
200000

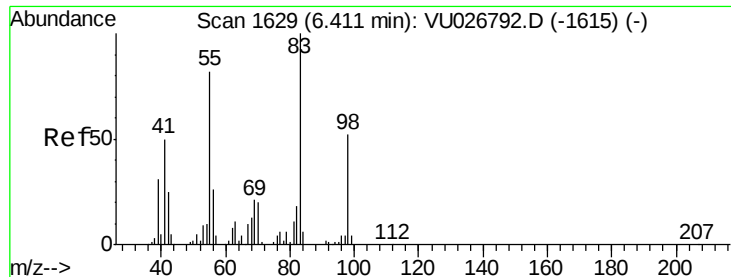
100000

0

Time-->

6.10 6.20 6.30





#35

Methylcyclohexane

Concen: 0.772 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026805.D

Acq: 16 Sep 2018 03:40

Instrument :

MSVOA_U

ClientSampleId :

C0KY2

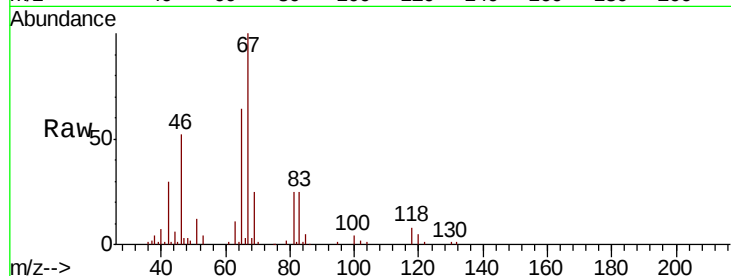
Tgt Ion: 83 Resp: 11627

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

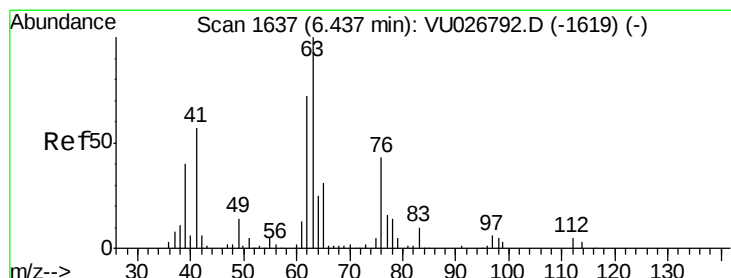
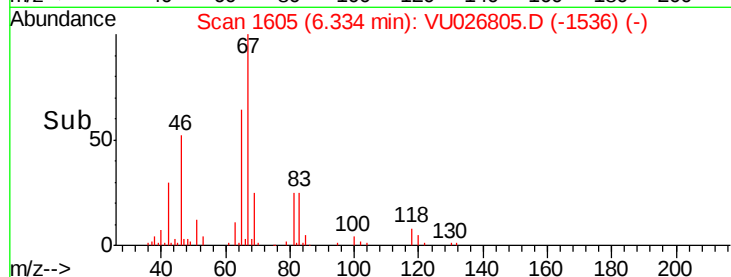
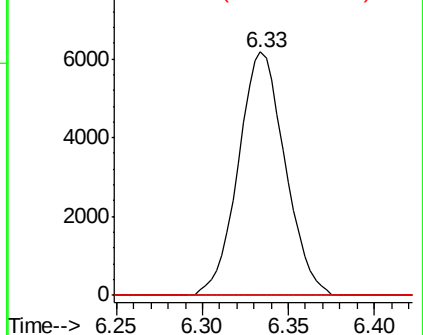
98 0.0 39.3 58.9#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.548 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026805.D

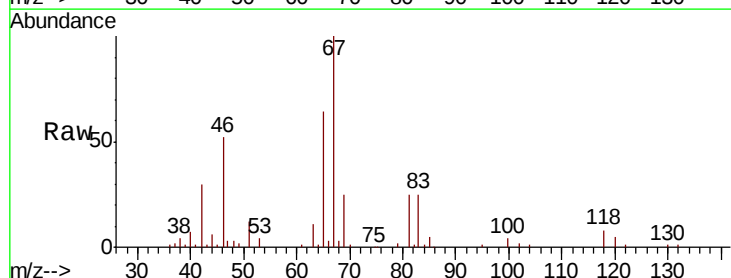
Acq: 16 Sep 2018 03:40

Tgt Ion: 63 Resp: 5294

Ion Ratio Lower Upper

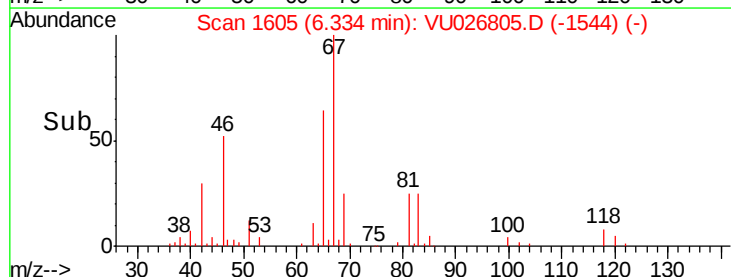
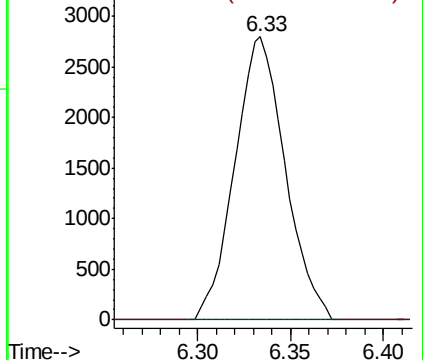
63 100

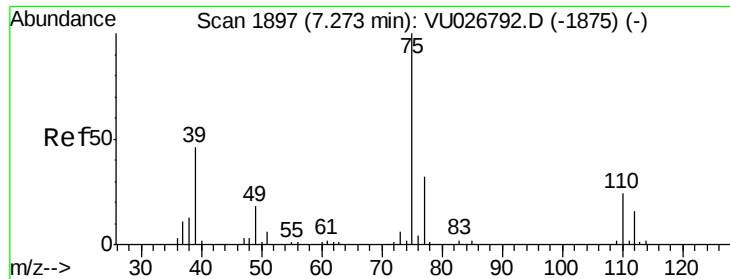
112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

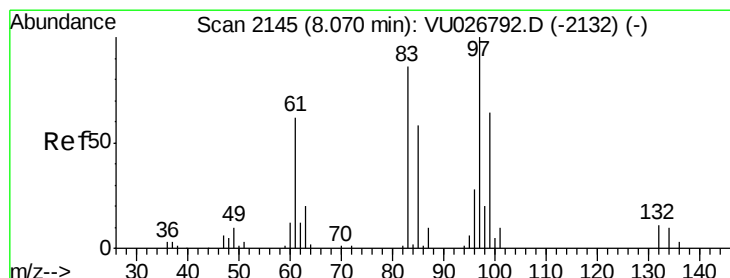
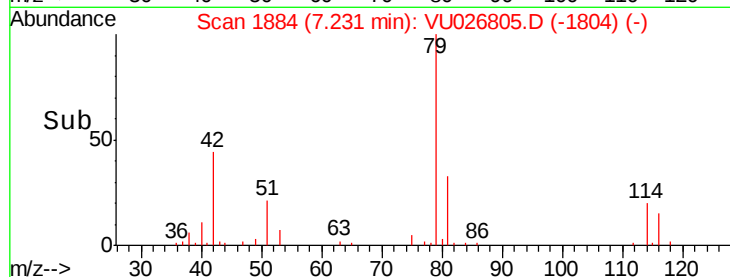
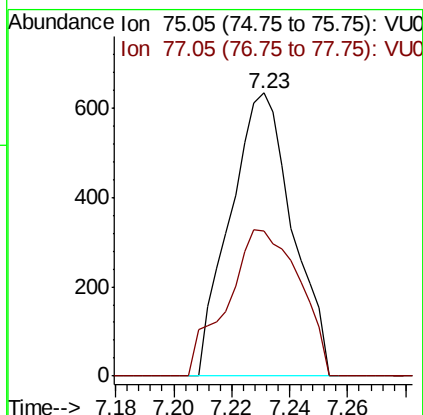
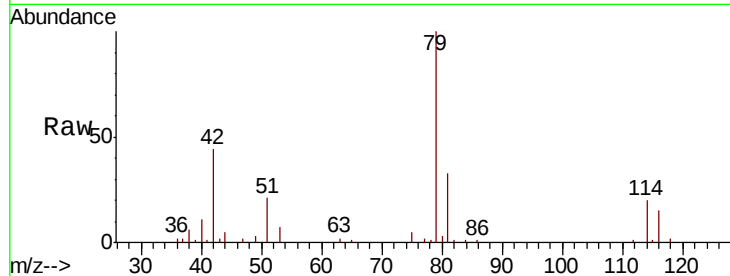




#39
 cis-1,3-Dichloropropene
 Concen: 0.073 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026805.D
 Acq: 16 Sep 2018 03:40

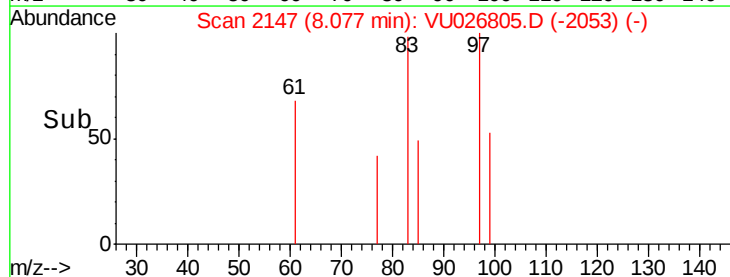
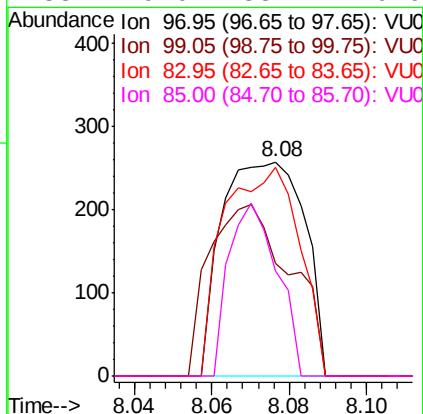
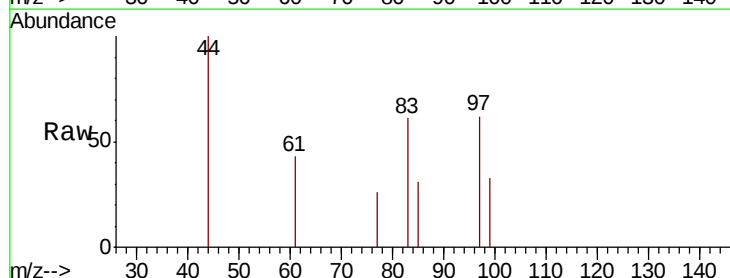
Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY2

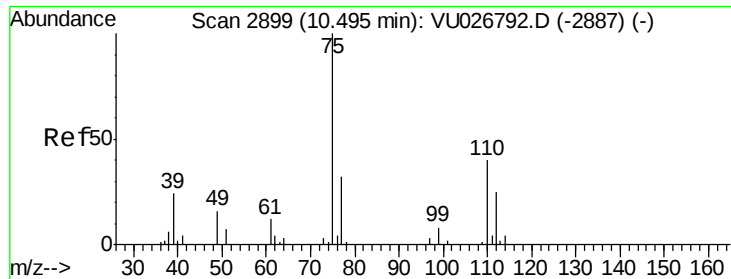
Tgt Ion: 75 Resp: 945
 Ion Ratio Lower Upper
 75 100
 77 51.2 21.7 40.3#



#45
 1,1,2-Trichloroethane
 Concen: 0.059 ug/L
 RT: 8.08 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VU026805.D
 Acq: 16 Sep 2018 03:40

Tgt Ion: 97 Resp: 381
 Ion Ratio Lower Upper
 97 100
 99 52.5 45.0 83.6
 83 97.7 60.8 112.8
 85 49.0 38.1 70.9

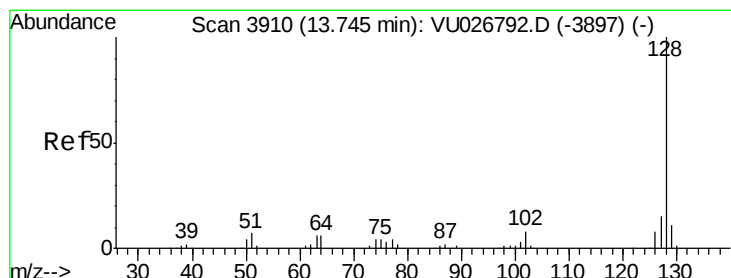
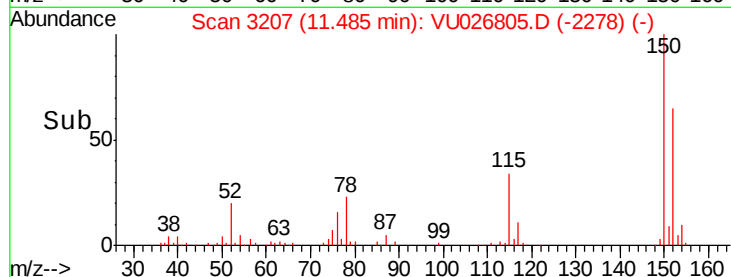
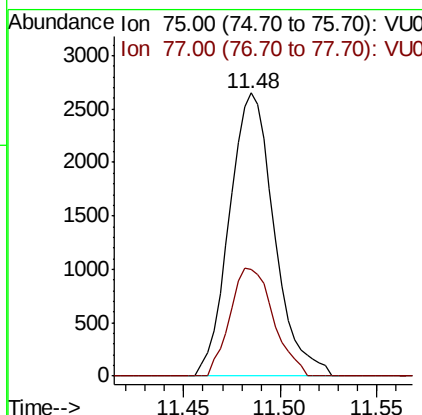
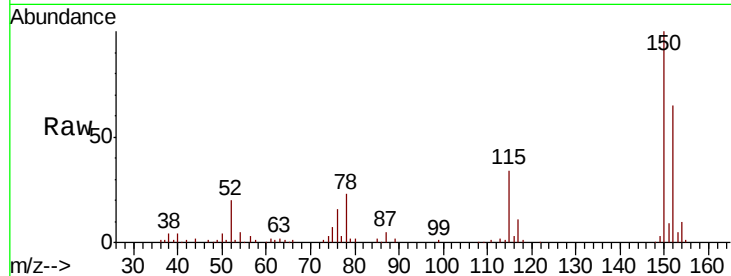




#59
 1,2,3-Trichloropropane
 Concen: 0.753 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU026805.D
 Acq: 16 Sep 2018 03:40

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KY2

Tgt Ion: 75 Resp: 4276
 Ion Ratio Lower Upper
 75 100
 77 36.7 25.9 38.9



#69
 Naphthalene
 Concen: 0.771 ug/L
 RT: 13.75 min Scan# 3910
 Delta R.T. -0.00 min
 Lab File: VU026805.D
 Acq: 16 Sep 2018 03:40

Tgt Ion: 128 Resp: 10857
 Ion Ratio Lower Upper
 128 100
 129 10.4 8.6 12.8
 127 13.0 10.8 16.2

