

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061518\
 Data File : VU024624.D
 Acq On : 16 Jun 2018 04:15
 Operator : MD/SY
 Sample : J3506-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0803

Quant Time: Jun 16 04:41:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 16 03:36:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	316676	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.14	117	307664	50.00	ug/L	0.05
60) 1,4-Dichlorobenzene-d4	11.52	152	214876	50.00	ug/L	0.04

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70279	38.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.54%
7) Chloroethane-d5	1.68	69	60874	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.30%
11) 1,1-Dichloroethene-d2	2.28	63	112455	31.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.10%
21) 2-Butanone-d5	4.18	46	149973	98.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.02%
24) Chloroform-d	4.65	84	193695	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.08%
26) 1,2-Dichloroethane-d4	5.32	65	108502	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
32) Benzene-d6	5.35	84	341085	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
36) 1,2-Dichloropropane-d6	6.34	67	118245	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.16%
41) Toluene-d8	7.57	98	352926	46.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.38%
43) trans-1,3-Dichloropropene-	7.85	79	57593	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.84%
47) 2-Hexanone-d5	8.32	63	129970	101.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.58%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	192637	52.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.68%
64) 1,2-Dichlorobenzene-d4	11.90	152	201649	48.63	ug/L	0.04
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.32	43	45372	27.780	ug/L	98
22) 2-Butanone	4.27	43	3941	1.894	ug/L #	74
25) Chloroform	4.68	83	744554	184.626	ug/L	97
27) 1,2-Dichloroethane	5.41	62	401522	129.179	ug/L #	74
29) Cyclohexane	5.00	56	38500	10.095	ug/L	97
31) Carbon tetrachloride	5.14	117	322686	94.596	ug/L	98
35) Methylcyclohexane	6.42	83	15376	3.828	ug/L #	81
38) Bromodichloromethane	6.76	83	7554	2.280	ug/L	99
42) Toluene	7.64	91	17083	1.700	ug/L	98
46) Tetrachloroethene	8.23	164	5843	2.778	ug/L	94
62) 1,3-Dichlorobenzene	11.44	146	12926975	1790.505	ug/L	98
63) 1,4-Dichlorobenzene	11.44	146	12926975	1775.146	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	57489	45.465	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.89	180	8888	1.540	ug/L	92
70) 1,2,3-Trichlorobenzene	13.99	180	4131704	848.717	ug/L	99

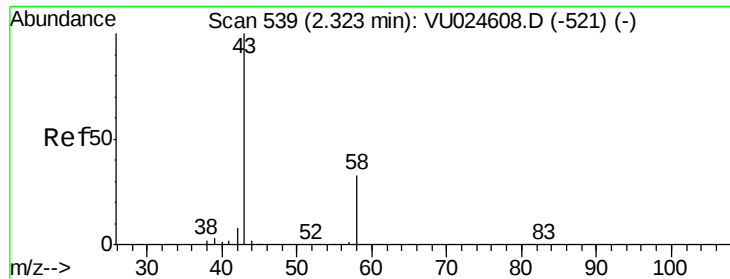
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061518\
Data File : VU024624.D
Acq On : 16 Jun 2018 04:15
Operator : MD/SY
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 16 03:36:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#13

Acetone

Concen: 27.780 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024624.D

Acq: 16 Jun 2018 04:15

Instrument :

MSVOA_U

ClientSampleId :

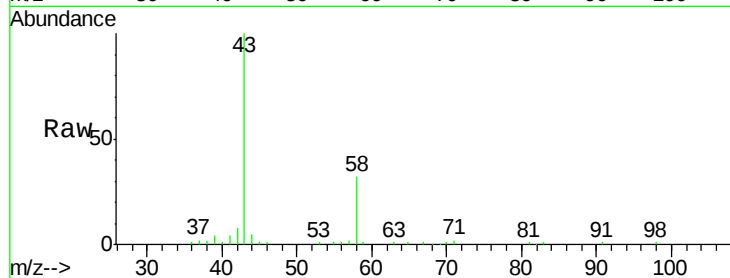
C0803

Tgt Ion: 43 Resp: 45372

Ion Ratio Lower Upper

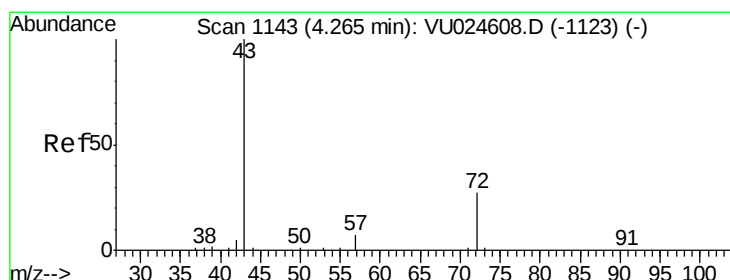
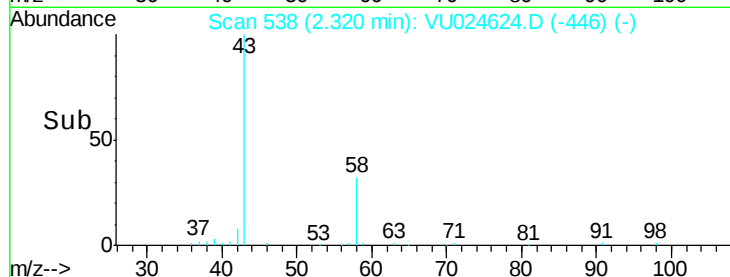
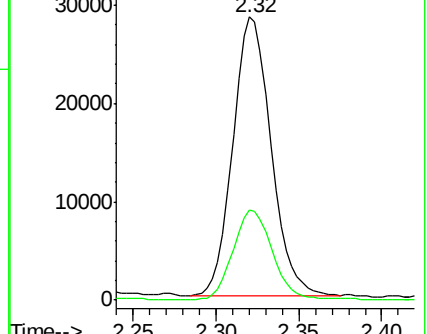
43 100

58 33.4 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#22

2-Butanone

Concen: 1.894 ug/L

RT: 4.27 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU024624.D

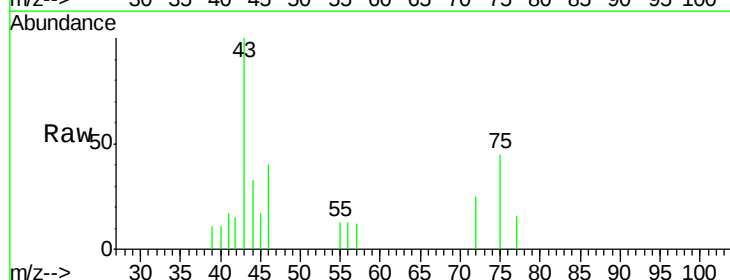
Acq: 16 Jun 2018 04:15

Tgt Ion: 43 Resp: 3941

Ion Ratio Lower Upper

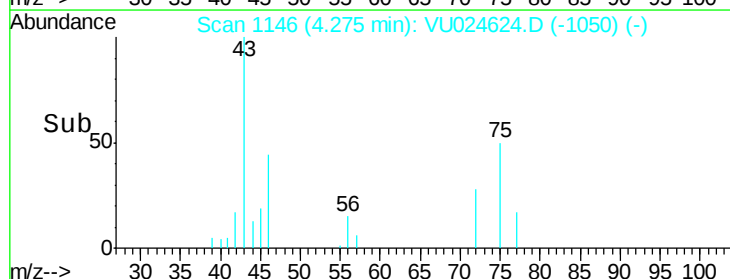
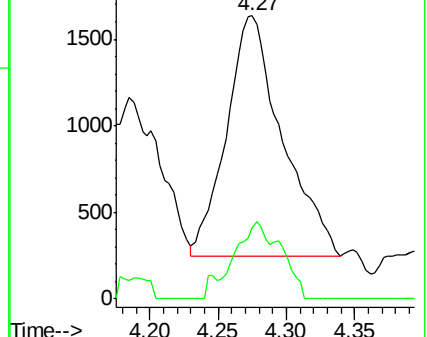
43 100

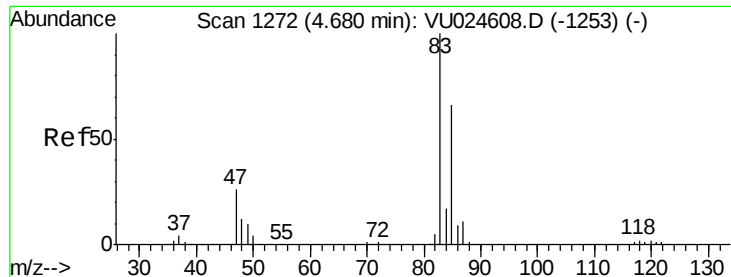
72 12.9 13.1 39.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#25

Chloroform

Concen: 184.626 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU024624.D

Acq: 16 Jun 2018 04:15

Instrument :

MSVOA_U

ClientSampleId :

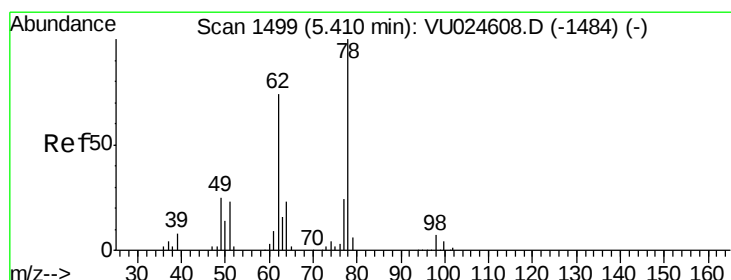
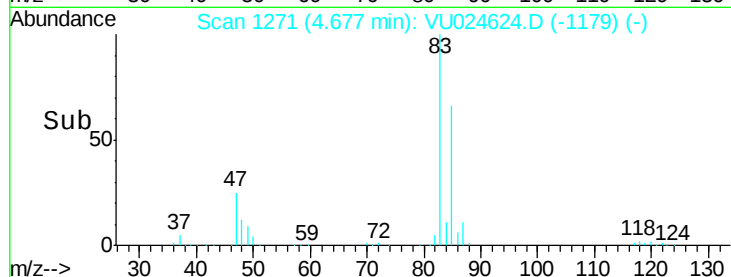
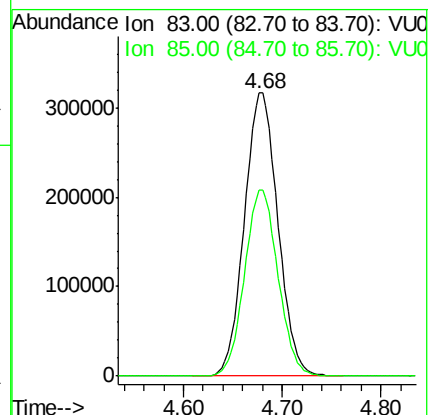
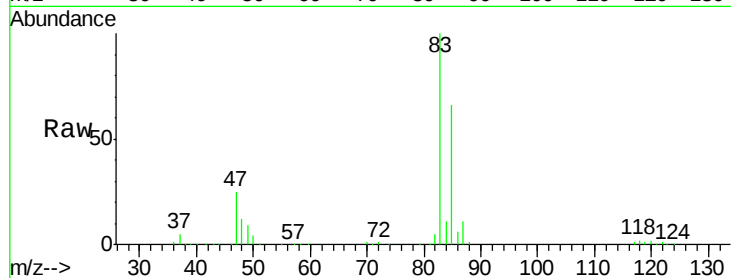
C0803

Tgt Ion: 83 Resp: 744554

Ion Ratio Lower Upper

83 100

85 65.7 44.4 82.5



#27

1,2-Dichloroethane

Concen: 129.179 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU024624.D

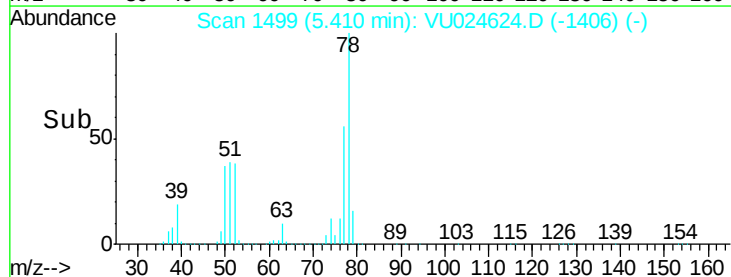
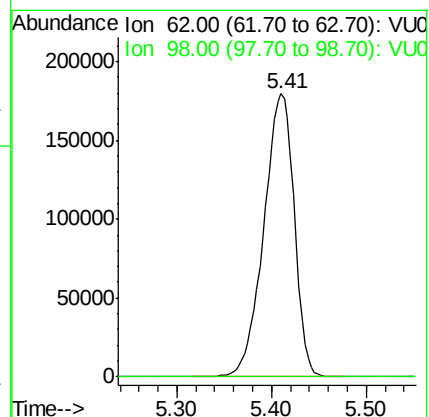
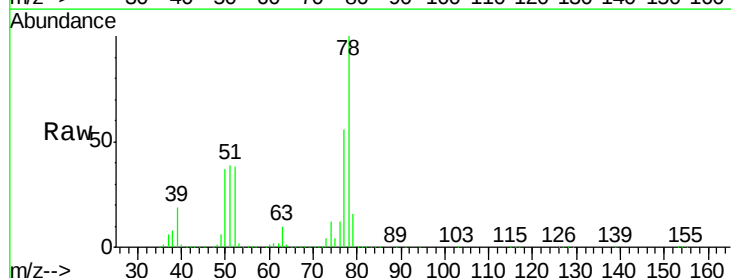
Acq: 16 Jun 2018 04:15

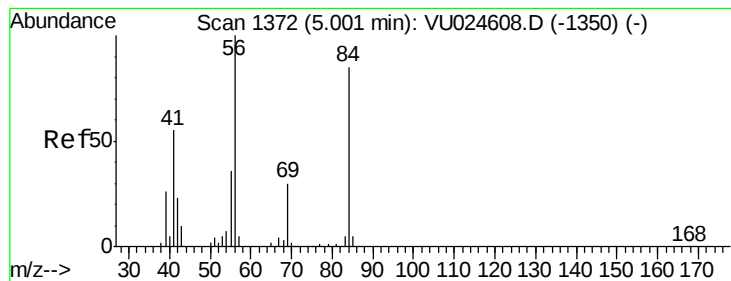
Tgt Ion: 62 Resp: 401522

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.2#





#29

Cyclohexane

Concen: 10.095 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024624.D

Acq: 16 Jun 2018 04:15

Instrument :

MSVOA_U

ClientSampleId :

C0803

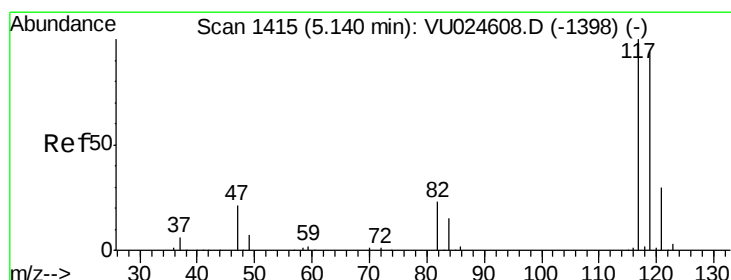
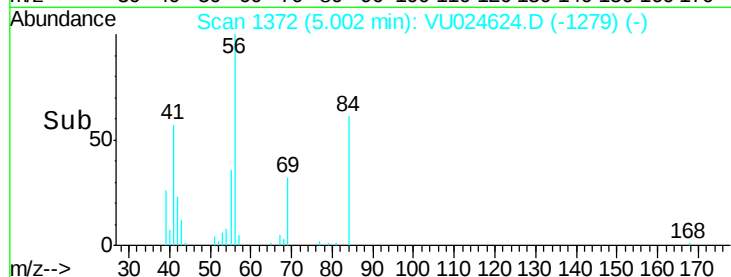
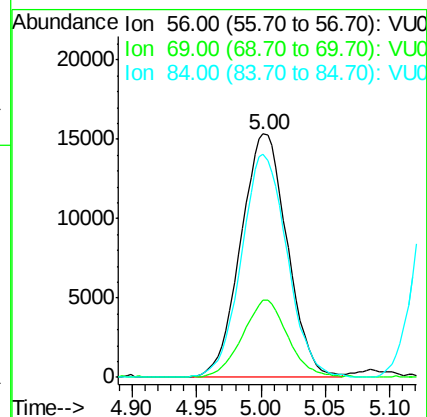
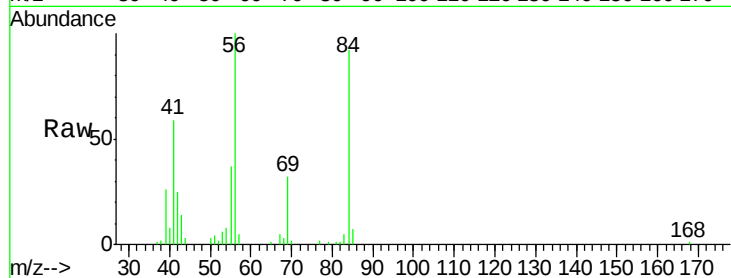
Tgt Ion: 56 Resp: 38500

Ion Ratio Lower Upper

56 100

69 31.0 24.7 37.1

84 90.3 68.8 103.2



#31

Carbon tetrachloride

Concen: 94.596 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU024624.D

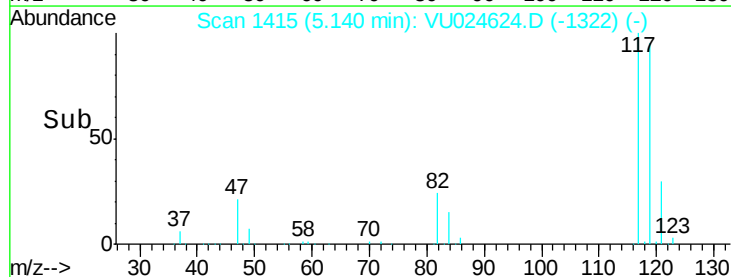
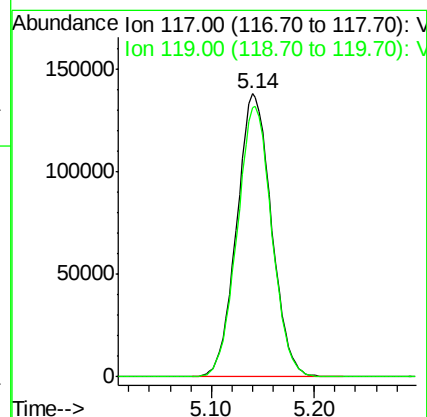
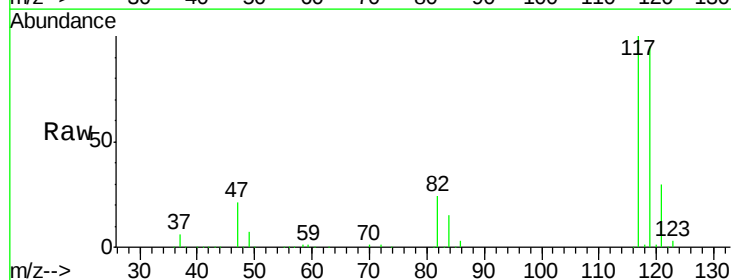
Acq: 16 Jun 2018 04:15

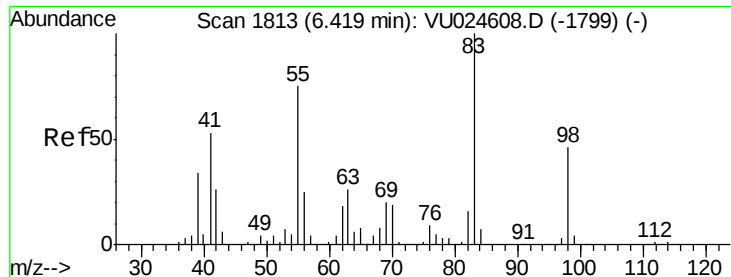
Tgt Ion: 117 Resp: 322686

Ion Ratio Lower Upper

117 100

119 95.3 77.7 116.5

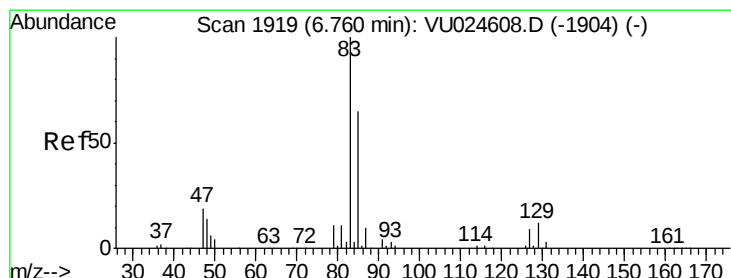
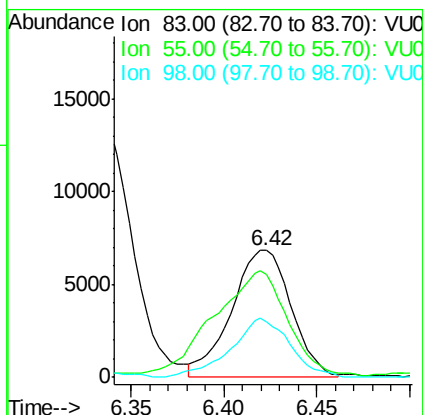
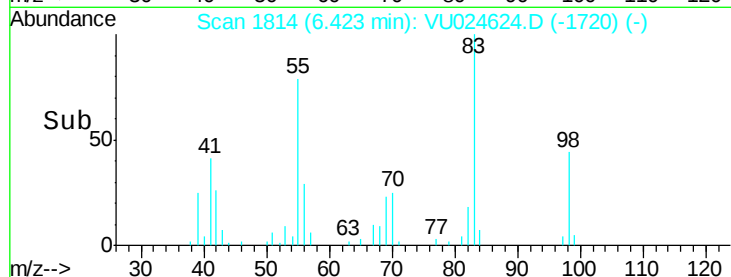
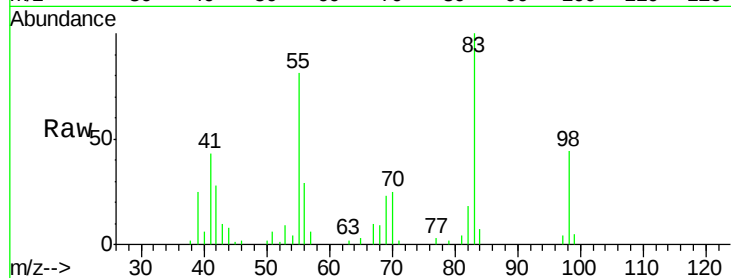




#35
Methylcyclohexane
Concen: 3.828 ug/L
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU024624.D
Acq: 16 Jun 2018 04:15

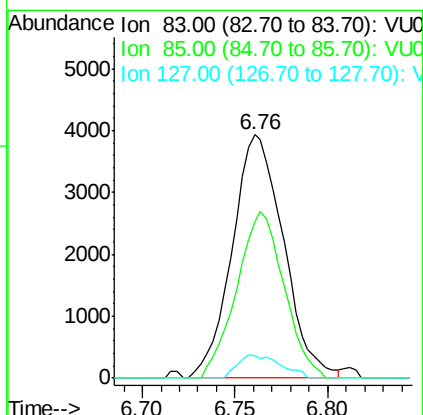
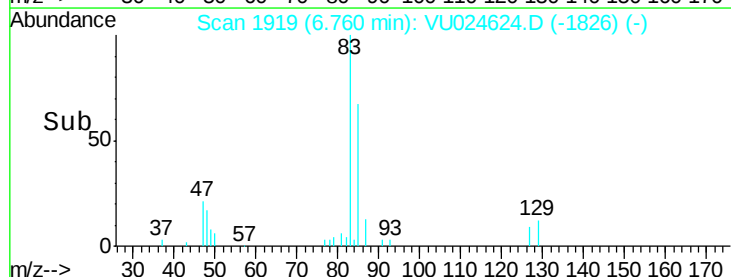
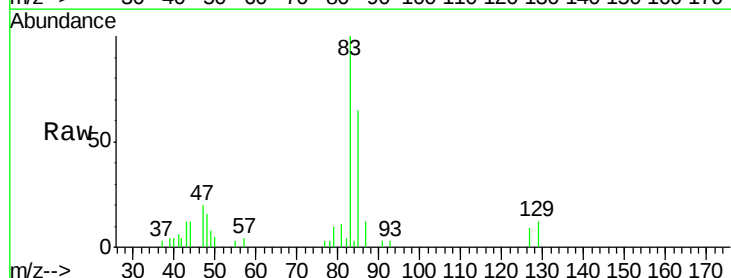
Instrument :
MSVOA_U
ClientSampleId :
C0803

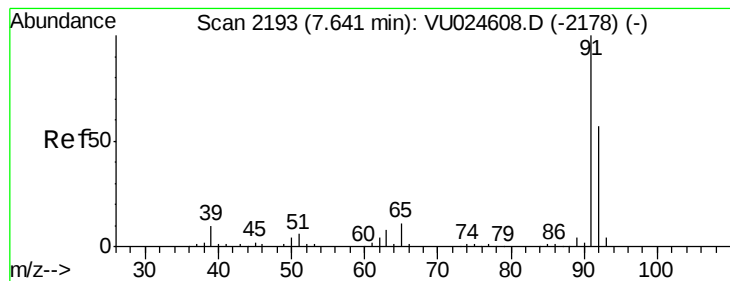
Tgt Ion: 83 Resp: 15376
Ion Ratio Lower Upper
83 100
55 100.0 59.4 89.0#
98 46.3 37.6 56.4



#38
Bromodichloromethane
Concen: 2.280 ug/L
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU024624.D
Acq: 16 Jun 2018 04:15

Tgt Ion: 83 Resp: 7554
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.3
127 9.0 7.6 11.4





#42

Toluene

Concen: 1.700 ug/L

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU024624.D

Acq: 16 Jun 2018 04:15

Instrument :

MSVOA_U

ClientSampleId :

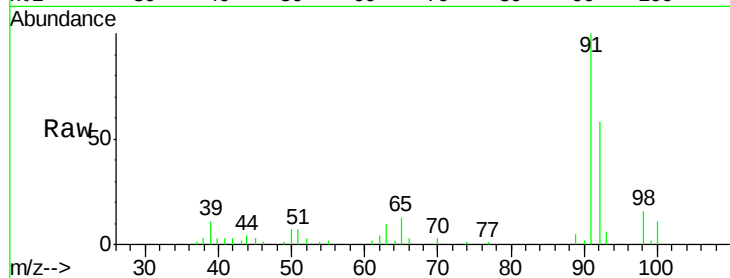
C0803

Tgt Ion: 91 Resp: 17083

Ion Ratio Lower Upper

91 100

92 58.5 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VU024624.D (-2194) (-)

Ion 92.00 (91.70 to 92.70): VU024624.D (-2194) (-)

7.64

8000

6000

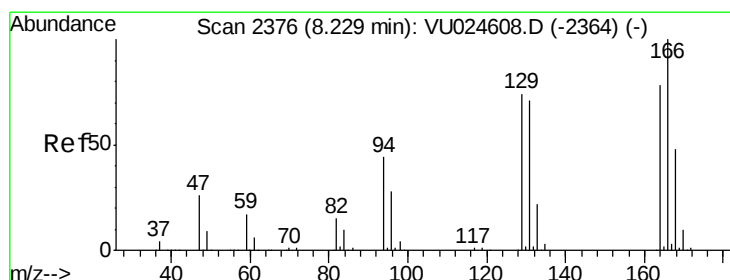
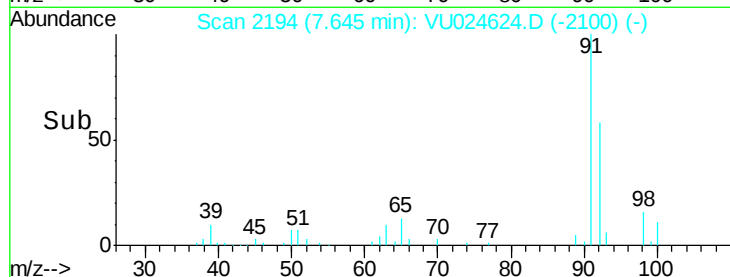
4000

2000

0

7.60 7.65 7.70

Time-->



#46

Tetrachloroethene

Concen: 2.778 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024624.D

Acq: 16 Jun 2018 04:15

Tgt Ion: 164 Resp: 5843

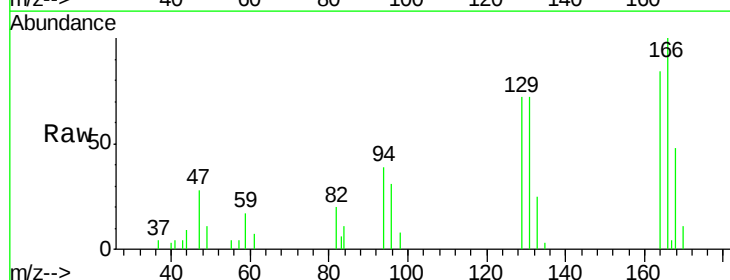
Ion Ratio Lower Upper

164 100

129 85.8 65.7 121.9

131 85.7 62.0 115.2

166 118.6 87.8 163.0



Abundance Ion 164.00 (163.70 to 164.70): VU024624.D (-2377) (-)

Ion 129.00 (128.70 to 129.70): VU024624.D (-2377) (-)

Ion 131.00 (130.70 to 131.70): VU024624.D (-2377) (-)

Ion 166.00 (165.70 to 166.70): VU024624.D (-2377) (-)

8.23

6000

5000

4000

3000

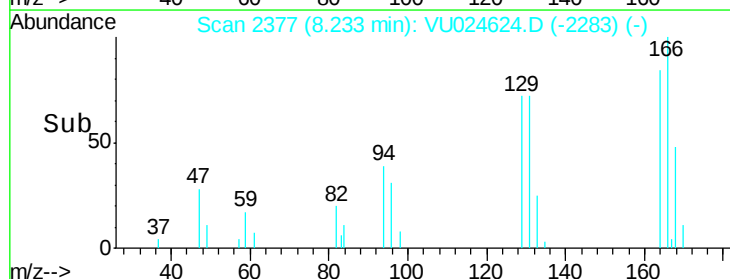
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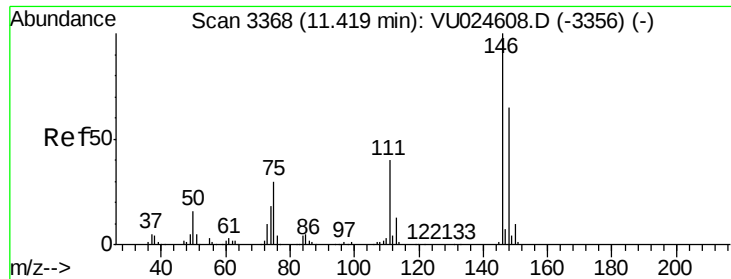
1000

0

8.20 8.25 8.30

Time-->





#62

1,3-Dichlorobenzene

Concen: 1790.505 ug/L

RT: 11.44 min Scan# 3373

Delta R.T. 0.02 min

Lab File: VU024624.D

Acq: 16 Jun 2018 04:15

Instrument :

MSVOA_U

ClientSampled :

C0803

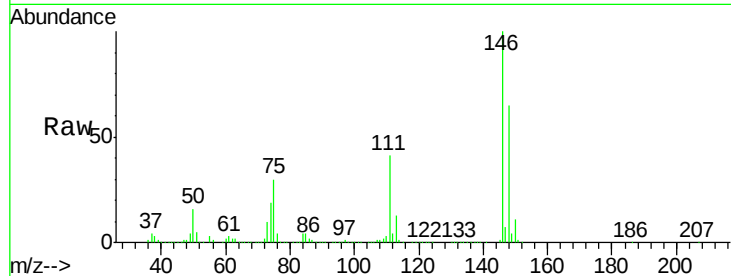
Tgt Ion:146 Resp:12926975

Ion Ratio Lower Upper

146 100

111 40.7 28.4 52.8

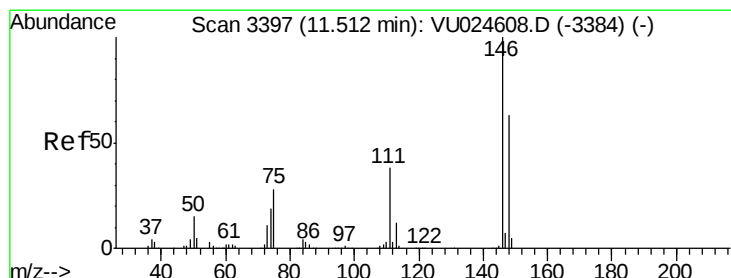
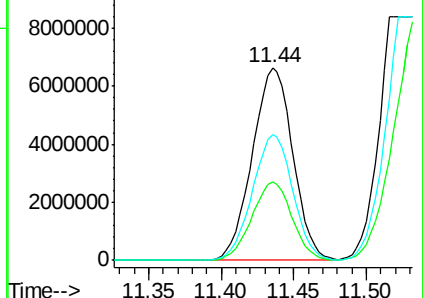
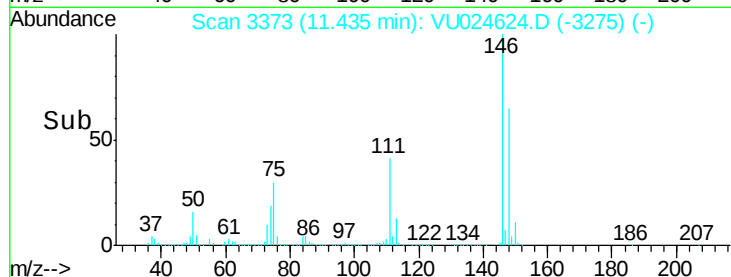
148 65.3 44.3 82.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1775.146 ug/L

RT: 11.44 min Scan# 3373

Delta R.T. -0.08 min

Lab File: VU024624.D

Acq: 16 Jun 2018 04:15

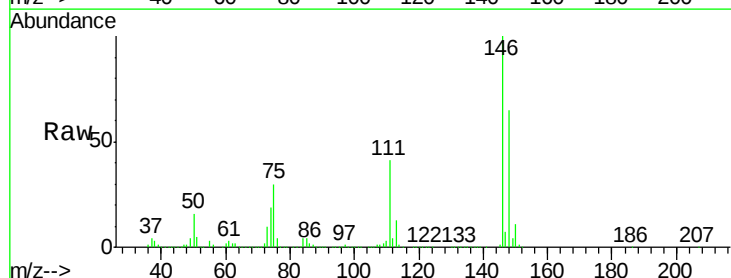
Tgt Ion:146 Resp:12926975

Ion Ratio Lower Upper

146 100

111 40.7 26.5 49.1

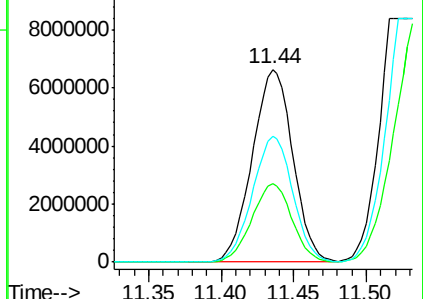
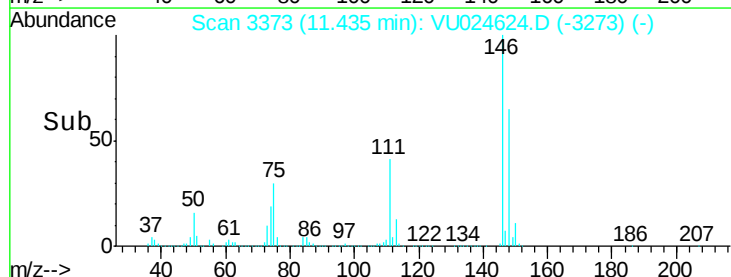
148 65.3 44.6 82.8

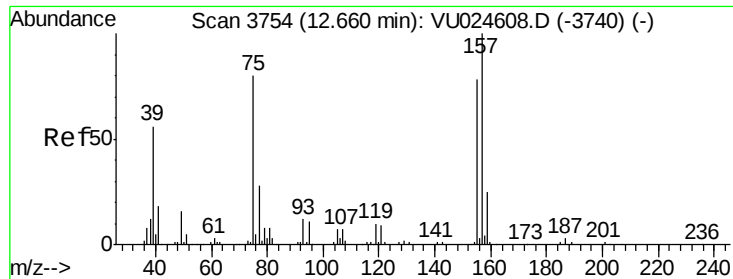


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

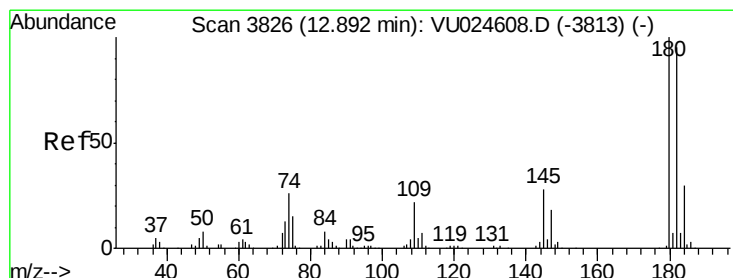
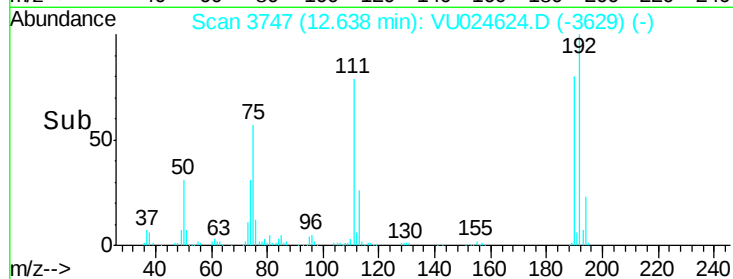
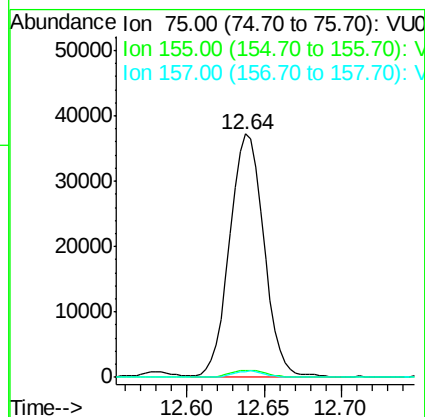
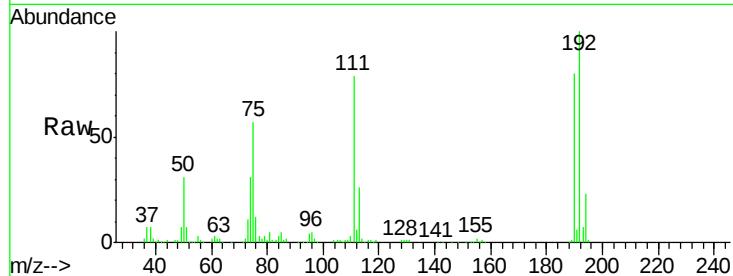




#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.465 ug/L
 RT: 12.64 min Scan# 3747
 Delta R.T. -0.02 min
 Lab File: VU024624.D
 Acq: 16 Jun 2018 04:15

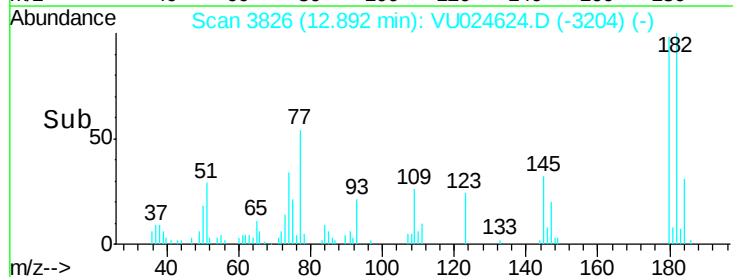
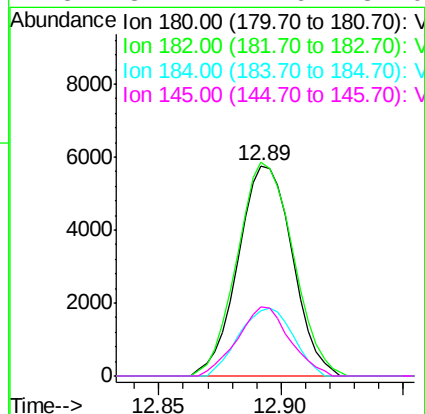
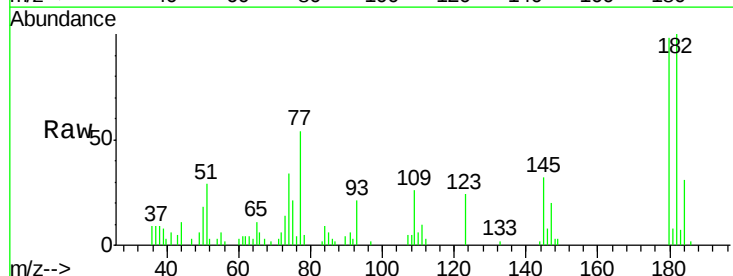
Instrument :
 MSVOA_U
 ClientSampleId :
 C0803

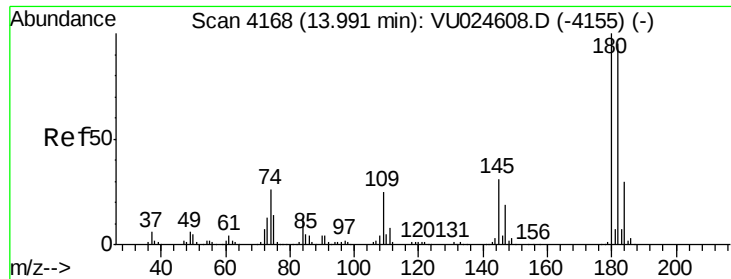
Tgt Ion: 75 Resp: 57489
 Ion Ratio Lower Upper
 75 100
 155 2.9 76.8 115.2#
 157 2.5 98.4 147.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.540 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU024624.D
 Acq: 16 Jun 2018 04:15

Tgt Ion: 180 Resp: 8888
 Ion Ratio Lower Upper
 180 100
 182 104.9 76.2 114.4
 184 32.2 24.7 37.1
 145 31.7 22.6 34.0

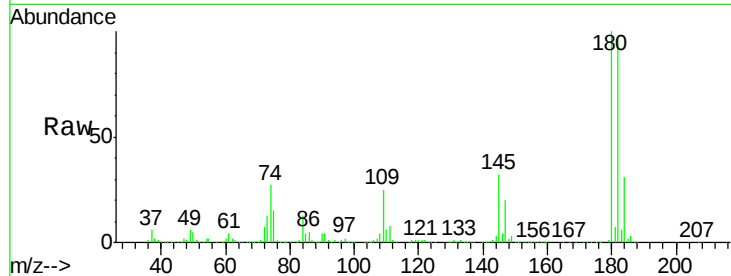




#70
 1,2,3-Trichlorobenzene
 Concen: 848.717 ug/L
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.00 min
 Lab File: VU024624.D
 Acq: 16 Jun 2018 04:15

Instrument :
 MSVOA_U
 ClientSampleId :
 C0803

Tgt Ion:180 Resp: 4131704
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.4 114.6
 145 31.4 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

