

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080818\
 Data File : VU025974.D
 Acq On : 08 Aug 2018 15:48
 Operator : MD/SY
 Sample : J4363-01DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 09 01:20:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 09 01:19:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	297184	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	275207	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	127166	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75597	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.68	69	62030	50.23	ug/L	0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.46%
11) 1,1-Dichloroethene-d2	2.27	63	115571	36.23	ug/L	0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.46%
21) 2-Butanone-d5	4.18	46	120257	106.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.13%
24) Chloroform-d	4.65	84	164041	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
26) 1,2-Dichloroethane-d4	5.31	65	109983	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
32) Benzene-d6	5.35	84	321008	52.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.84%
36) 1,2-Dichloropropane-d6	6.33	67	101769	53.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.92%
41) Toluene-d8	7.57	98	294081	49.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.92%
43) trans-1,3-Dichloropropene-	7.85	79	50020	50.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.16%
47) 2-Hexanone-d5	8.31	63	80162	102.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.14%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	136642	52.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	119471	56.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.74%

Target Compounds

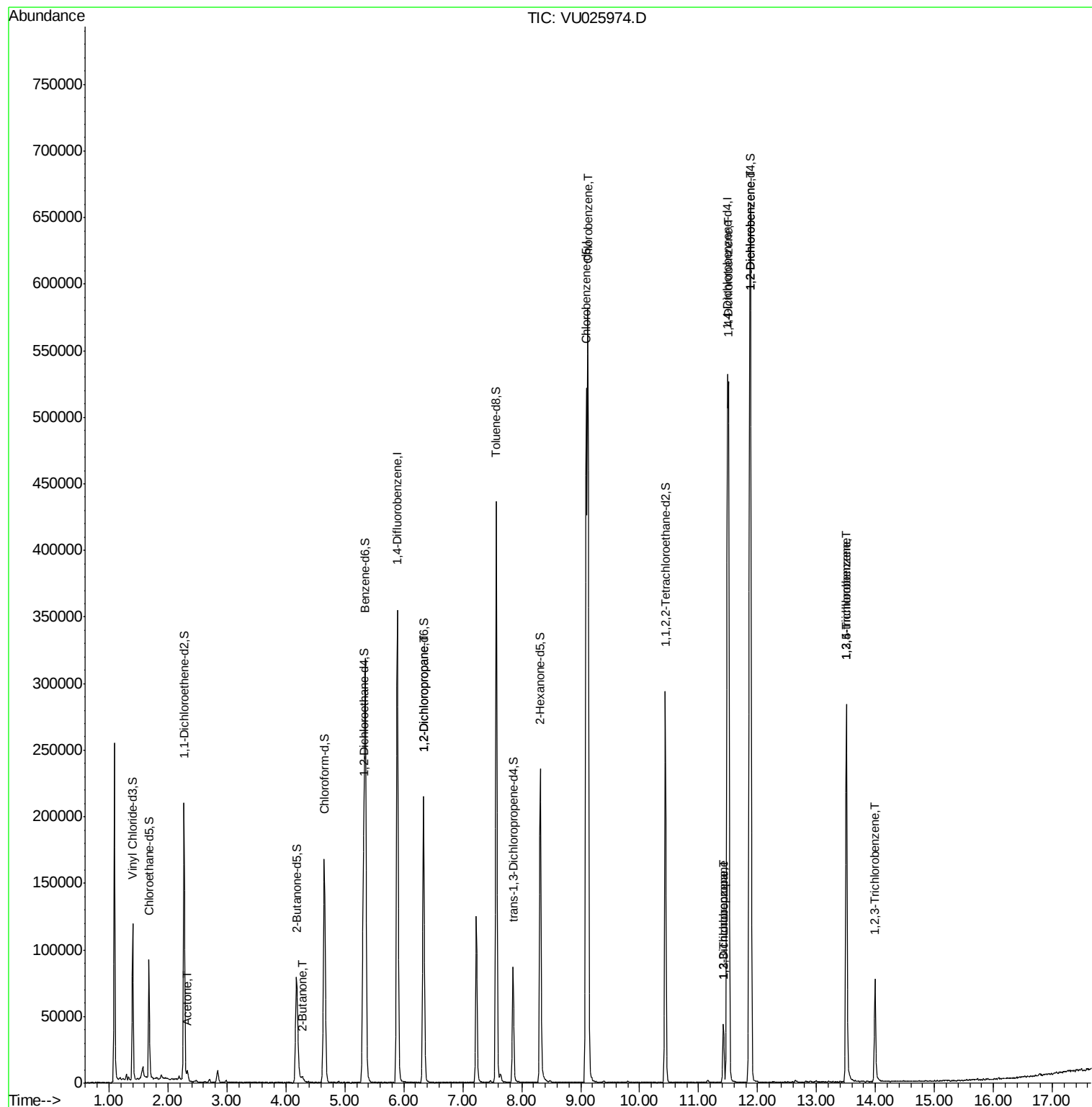
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	6000	4.473	ug/L	94
22) 2-Butanone	4.28	43	4891	2.916	ug/L	92
37) 1,2-Dichloropropane	6.33	63	11131	5.792	ug/L #	88
51) Chlorobenzene	9.12	112	306342	56.987	ug/L	98
59) 1,2,3-Trichloropropane	11.42	75	5609	2.293	ug/L #	46
62) 1,3-Dichlorobenzene	11.42	146	18763	4.932	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	195764	50.505	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	219601	57.565	ug/L	97
67) 1,3,5-Trichlorobenzene	13.51	180	92930	33.148	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	92930	38.194	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	25854	10.371	ug/L	98

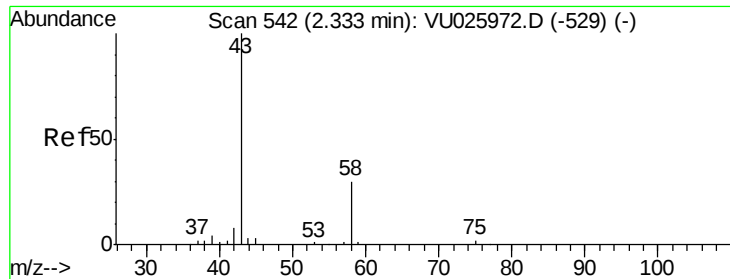
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 09 01:19:52 2018
Response via : Initial Calibration





#13

Acetone

Concen: 4.473 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.01 min

Lab File: VU025974.D

Acq: 08 Aug 2018 15:48

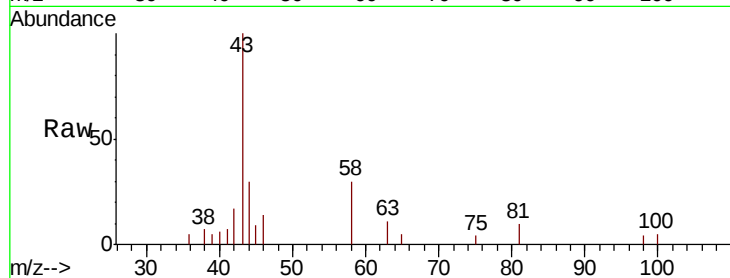
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 6000

Ion Ratio Lower Upper

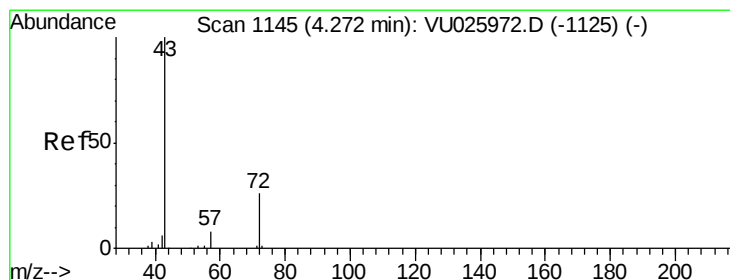
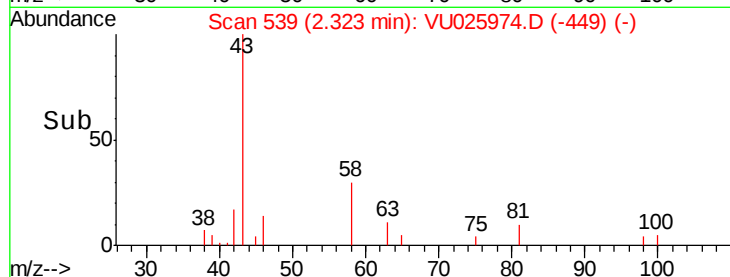
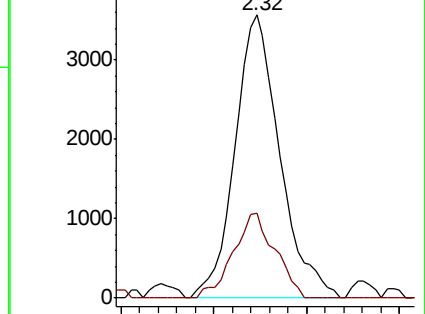
43 100

58 26.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU025972.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VU025972.D (-529) (-)



#22

2-Butanone

Concen: 2.916 ug/L

RT: 4.28 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VU025974.D

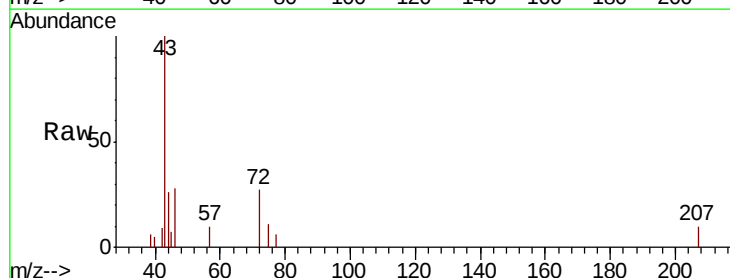
Acq: 08 Aug 2018 15:48

Tgt Ion: 43 Resp: 4891

Ion Ratio Lower Upper

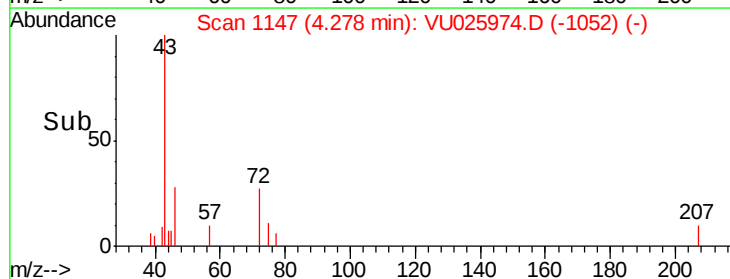
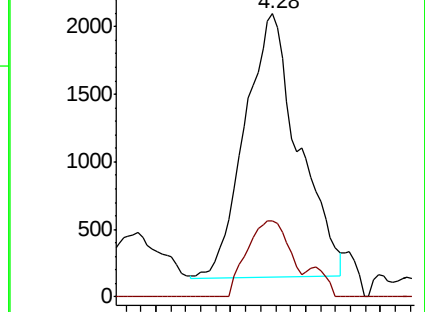
43 100

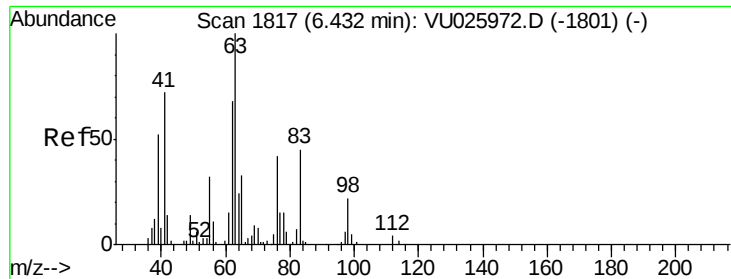
72 22.8 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU025972.D (-1125) (-)

Ion 72.00 (71.70 to 72.70): VU025972.D (-1125) (-)





#37

1,2-Dichloropropane

Concen: 5.792 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU025974.D

Acq: 08 Aug 2018 15:48

Instrument :

MSVOA_U

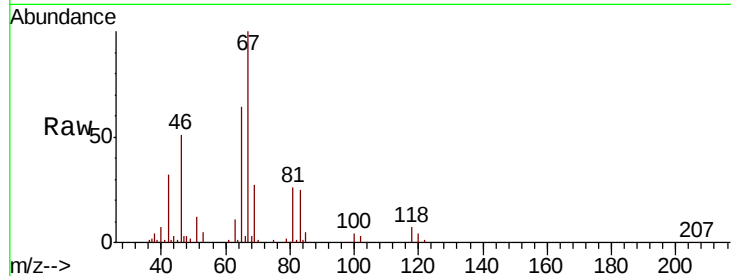
ClientSampleId :

Tot Ion: 63 Resp: 11131

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



Abundance Ion 63.00 (62.70 to 63.70): VU025972.D (-1801) (-)

Ion 112.00 (111.70 to 112.70): VU025972.D (-1801) (-)

6.33

6000

5000

4000

3000

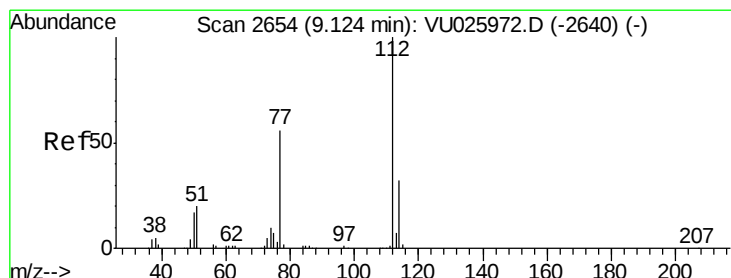
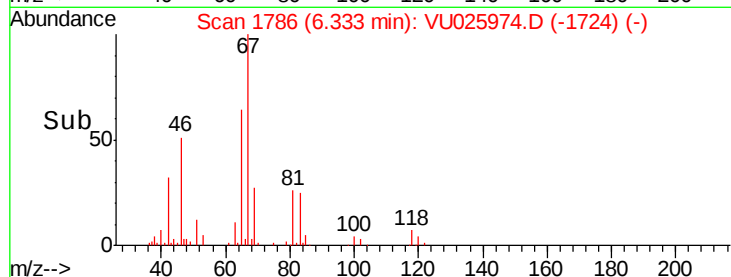
2000

1000

0

6.30 6.35 6.40

Time-->



#51

Chlorobenzene

Concen: 56.987 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025974.D

Acq: 08 Aug 2018 15:48

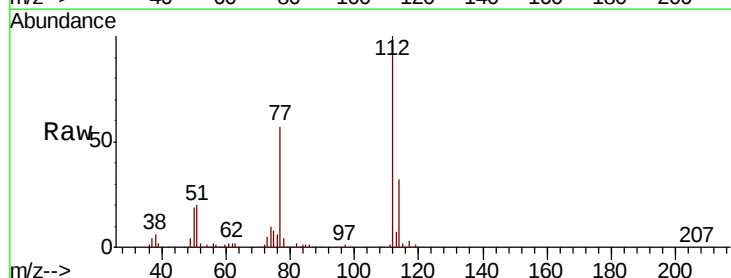
Tgt Ion: 112 Resp: 306342

Ion Ratio Lower Upper

112 100

114 32.0 22.9 42.5

77 56.6 46.6 70.0



Abundance Ion 112.00 (111.70 to 112.70): VU025972.D (-2640) (-)

Ion 114.00 (113.70 to 114.70): VU025972.D (-2640) (-)

Ion 77.00 (76.70 to 77.70): VU025972.D (-2640) (-)

250000

200000

150000

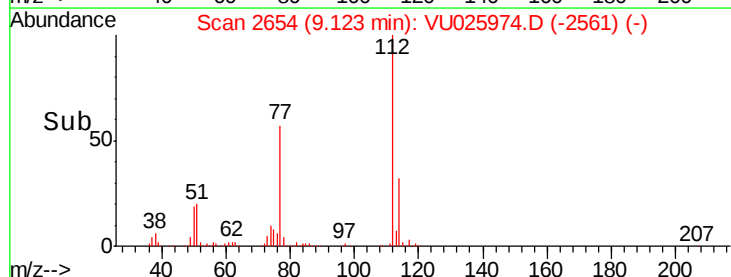
100000

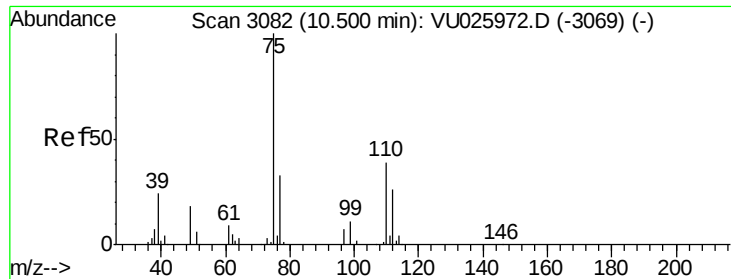
50000

0

9.05 9.10 9.15 9.20

Time-->





#59

1,2,3-Trichloropropane

Concen: 2.293 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.92 min

Lab File: VU025974.D

Acq: 08 Aug 2018 15:48

Instrument :

MSVOA_U

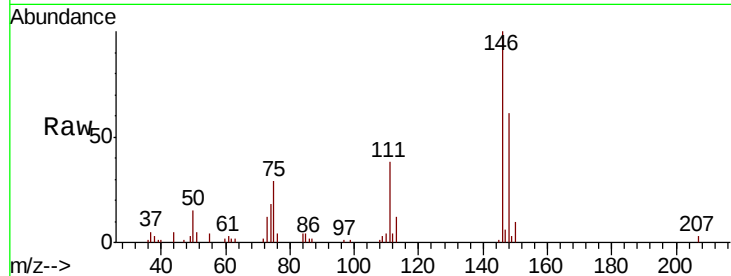
ClientSampleId :

Tot Ion: 75 Resp: 5609

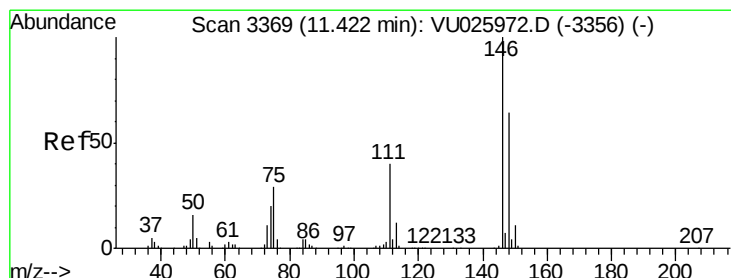
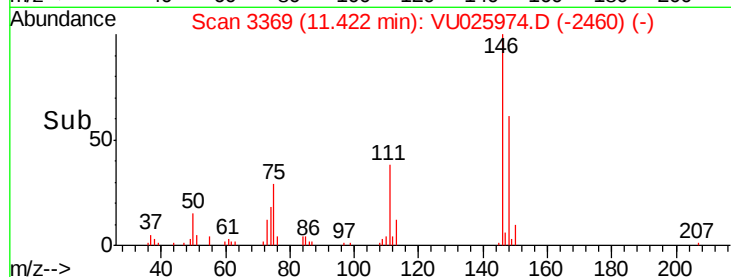
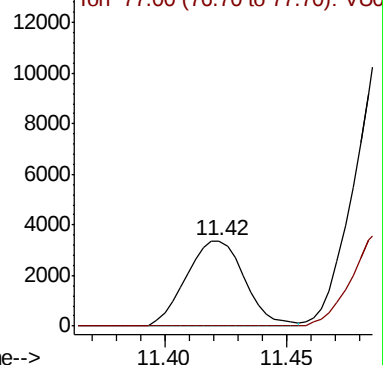
Ion Ratio Lower Upper

75 100

77 2.1 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU025972.D (-3069) (-)



#62

1,3-Dichlorobenzene

Concen: 4.932 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. -0.00 min

Lab File: VU025974.D

Acq: 08 Aug 2018 15:48

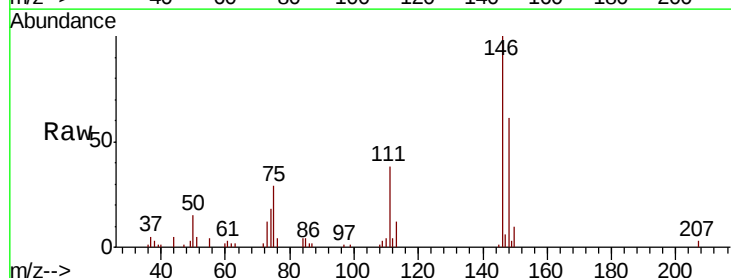
Tgt Ion: 146 Resp: 18763

Ion Ratio Lower Upper

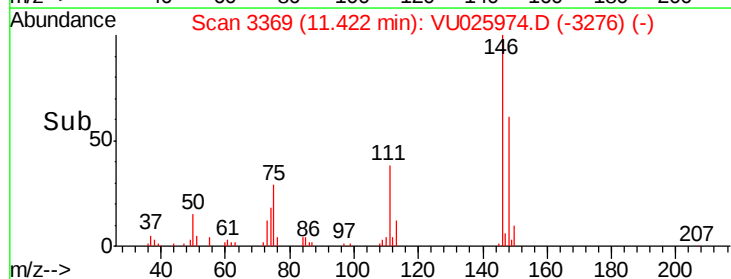
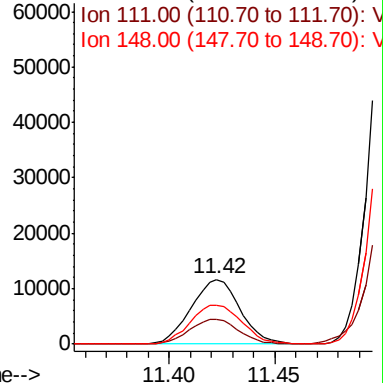
146 100

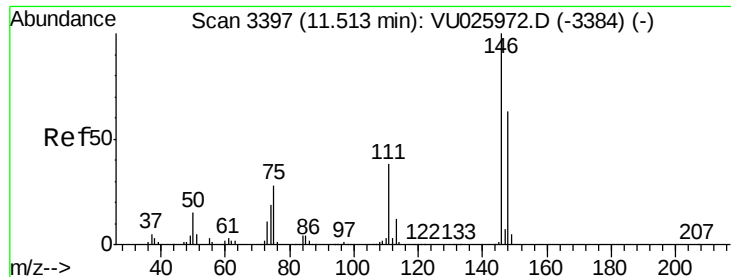
111 38.4 27.5 51.1

148 60.9 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): VU025972.D (-3356) (-)





#63

1,4-Dichlorobenzene

Concen: 50.505 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VU025974.D

Acq: 08 Aug 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

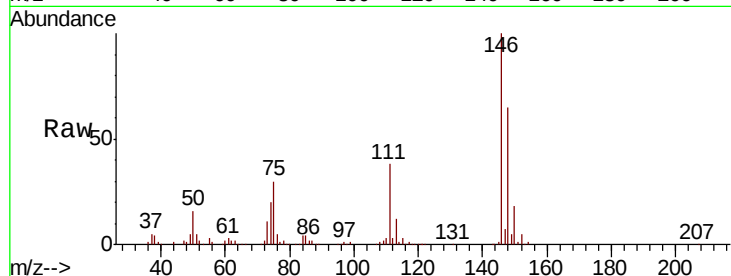
Tot Ion:146 Resp: 195764

Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.7

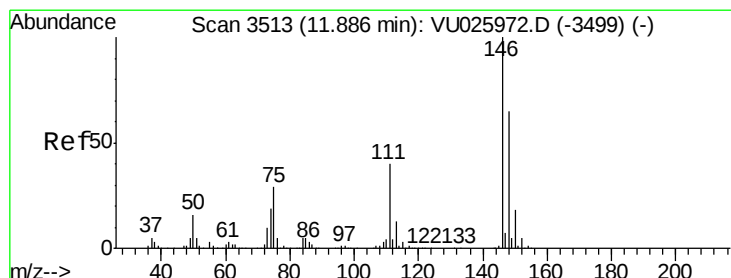
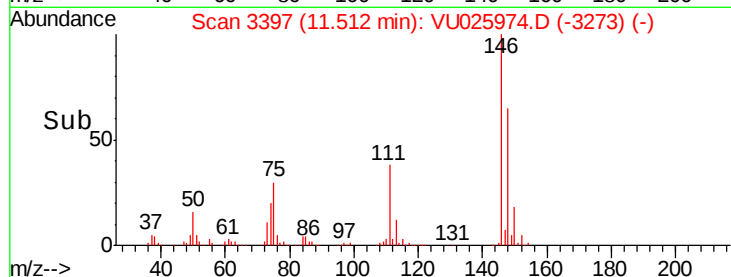
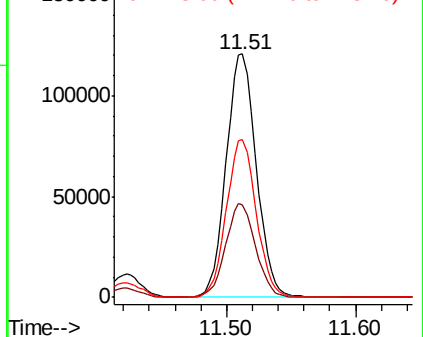
148 65.1 45.2 84.0



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



#65

1,2-Dichlorobenzene

Concen: 57.565 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025974.D

Acq: 08 Aug 2018 15:48

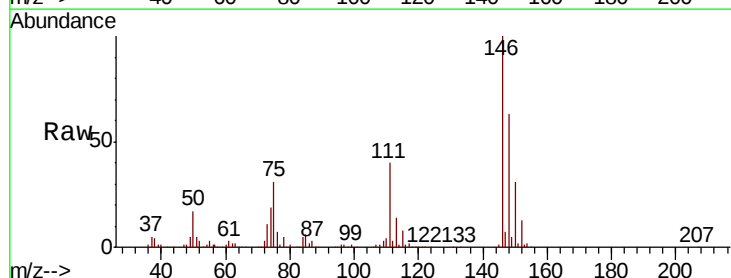
Tgt Ion:146 Resp: 219601

Ion Ratio Lower Upper

146 100

111 39.6 33.4 50.0

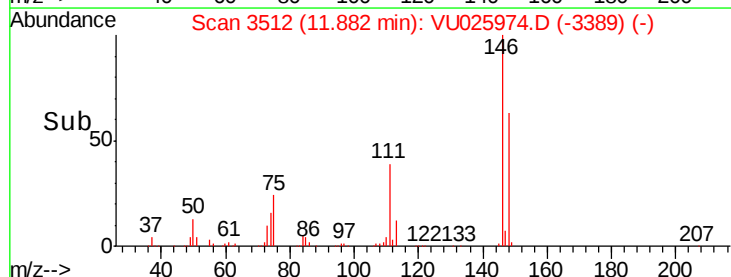
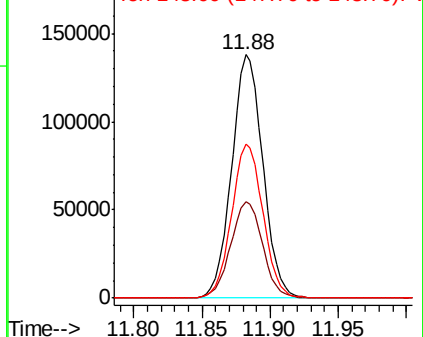
148 63.1 51.8 77.8

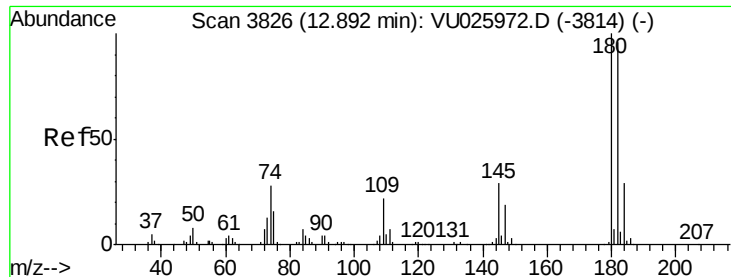


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

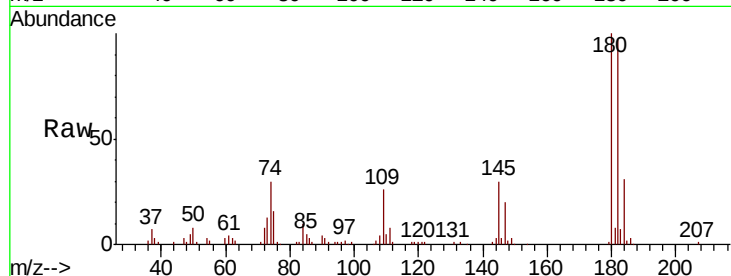




#67
 1,3,5-Trichlorobenzene
 Concen: 33.148 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.61 min
 Lab File: VU025974.D
 Acq: 08 Aug 2018 15:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.8	116.6
184	30.4	24.6	37.0
145	28.5	23.4	35.0



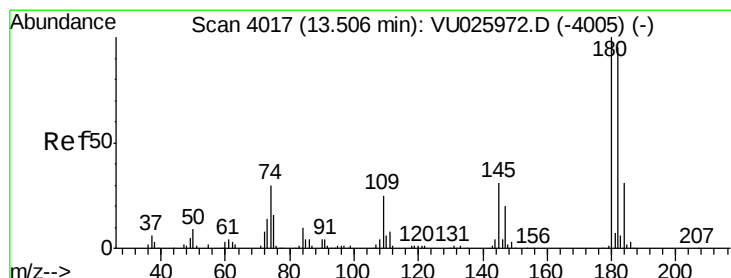
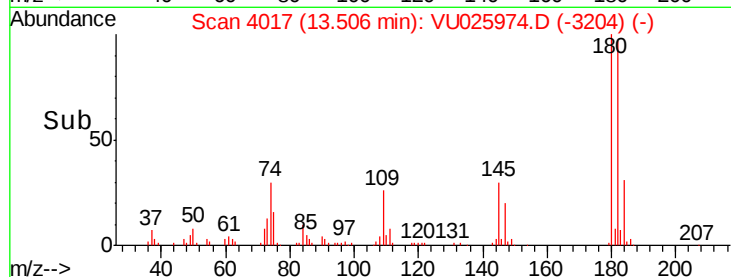
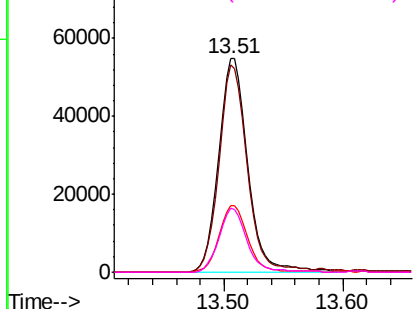
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

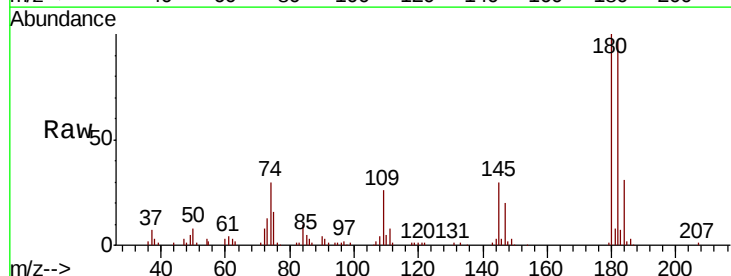
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 38.194 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025974.D
 Acq: 08 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.3	112.9
145	28.5	23.1	34.7

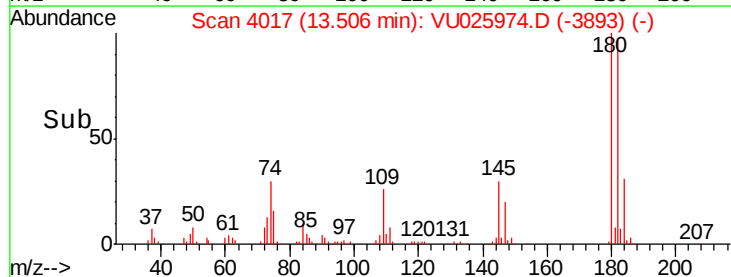
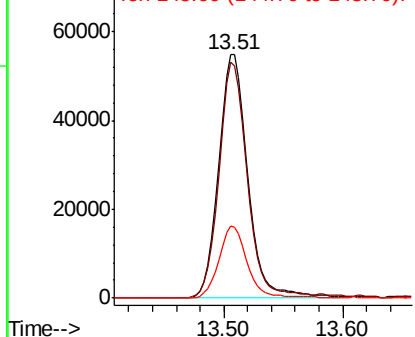


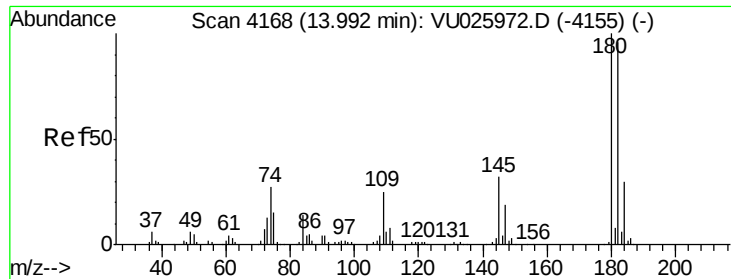
Abundance

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





#70
 1,2,3-Trichlorobenzene
 Concen: 10.371 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: VU025974.D
 Acq: 08 Aug 2018 15:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	180	100		
182	182	95.4	77.6	116.4
145	145	32.3	25.3	37.9

