

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111519\
 Data File : VU035715.D
 Acq On : 15 Nov 2019 10:33
 Operator : JC/SP
 Sample : K5856-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAQG1

Quant Time: Nov 16 01:58:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 16 01:36:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	286045	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	318062	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	121879	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	78960	2.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.60%
7) Chloroethane-d5	1.93	69	74223	3.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	61.60%#
11) 1,1-Dichloroethene-d2	2.60	63	100623	2.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	40.60%#
20) 2-Butanone-d5	4.70	46	202825	31.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	62.40%
24) Chloroform-d	5.11	84	145310	3.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	62.00%#
26) 1,2-Dichloroethane-d4	5.75	65	78130	3.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.40%#
32) Benzene-d6	5.77	84	296430	2.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	59.20%#
36) 1,2-Dichloropropane-d6	6.74	67	100353	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	62.00%
41) Toluene-d8	7.93	98	241185	2.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	50.80%#
43) trans-1,3-Dichloropropene-	8.22	79	35678	2.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	55.20%
46) 2-Hexanone-d5	8.70	63	139684	27.57	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	55.14%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	80636	2.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	59.40%#
64) 1,2-Dichlorobenzene-d4	12.22	152	79759	3.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	66.00%#

Target Compounds

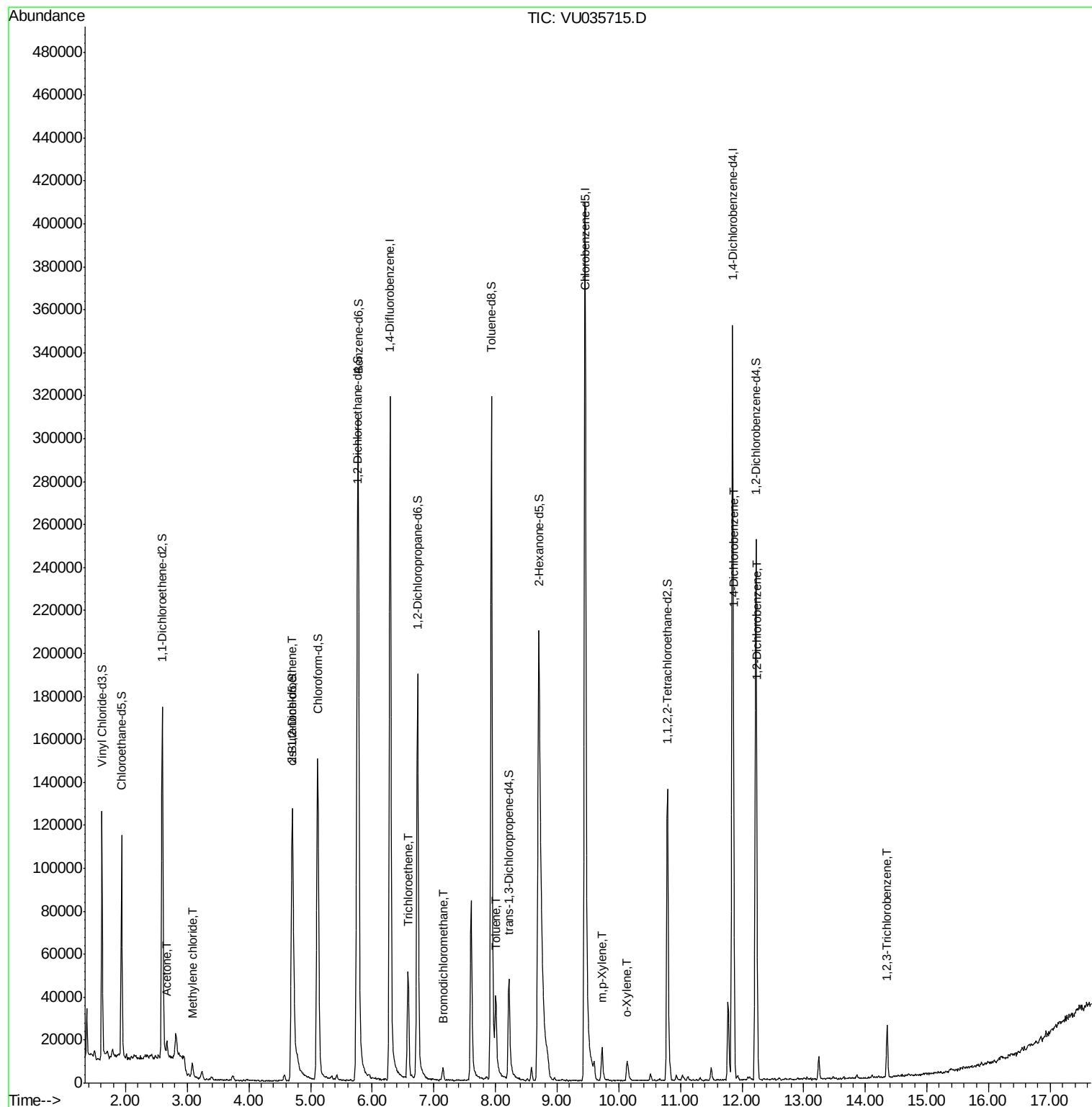
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.67	43	7087	1.512	ug/L	98
16) Methylene chloride	3.08	84	3379	0.113	ug/L	86
22) cis-1,2-Dichloroethene	4.72	96	11117	0.389	ug/L	97
34) Trichloroethene	6.58	95	17812	0.622	ug/L	96
38) Bromodichloromethane	7.15	83	4412	0.124	ug/L	95
42) Toluene	8.01	91	25264	0.215	ug/L	96
53) m,p-Xylene	9.73	106	5615	0.120	ug/L	95
54) o-Xylene	10.13	106	2824	0.062	ug/L	79
63) 1,4-Dichlorobenzene	11.87	146	4225	0.107	ug/L	92
65) 1,2-Dichlorobenzene	12.25	146	8726	0.227	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	8415	0.547	ug/L	97

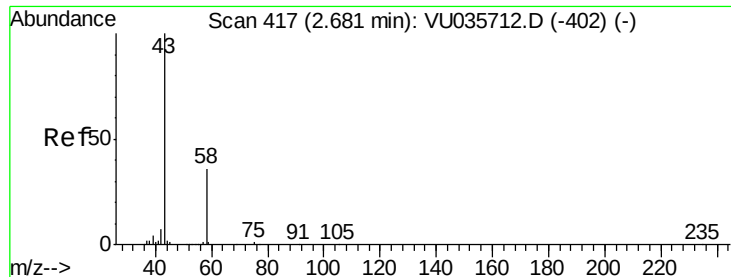
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.512 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035715.D

Acq: 15 Nov 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

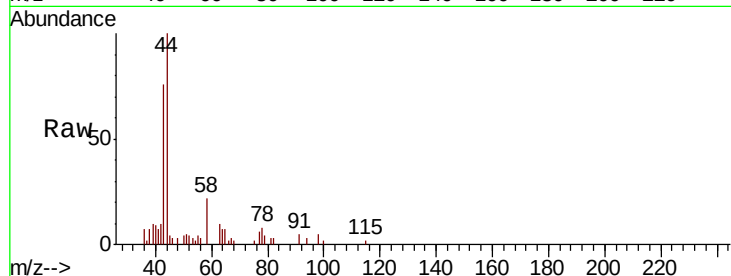
GAQG1

Tot Ion: 43 Resp: 7087

Ion Ratio Lower Upper

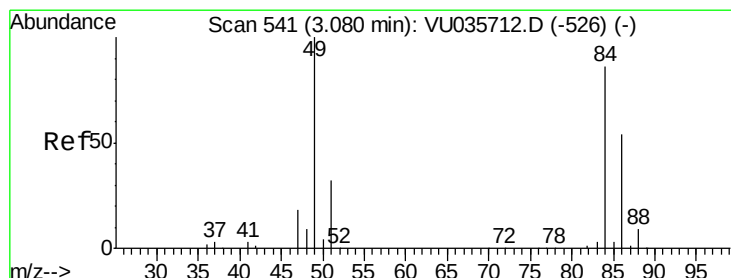
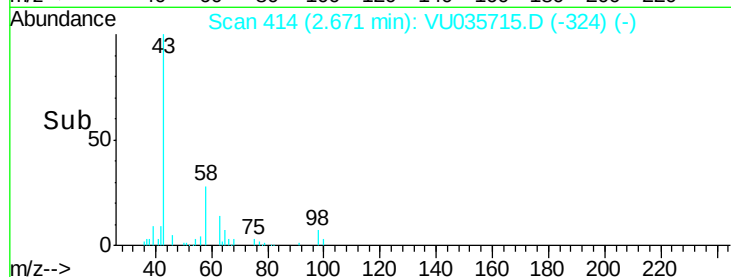
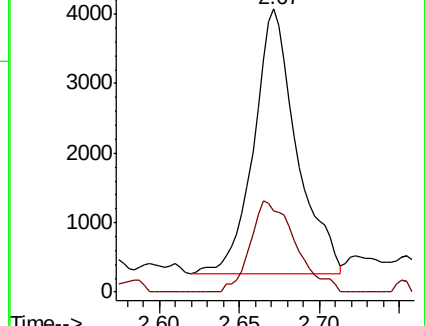
43 100

58 36.1 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035715.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU035715.D (-324) (-)



#16

Methylene chloride

Concen: 0.113 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035715.D

Acq: 15 Nov 2019 10:33

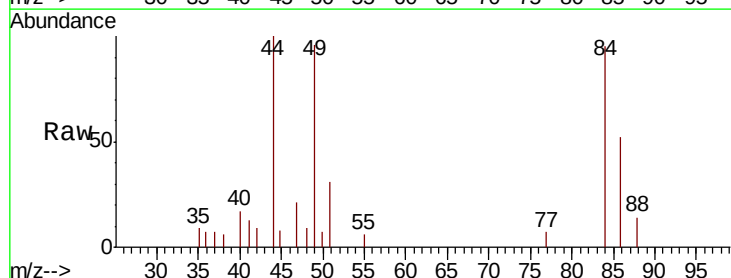
Tgt Ion: 84 Resp: 3379

Ion Ratio Lower Upper

84 100

86 54.8 45.8 85.2

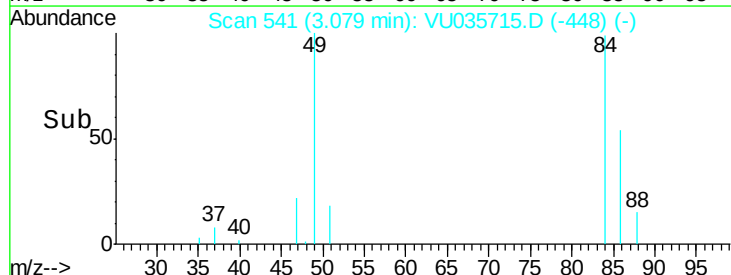
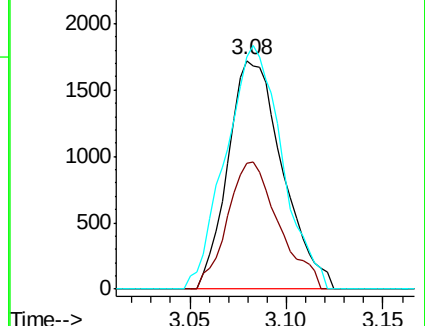
49 101.3 81.9 152.1

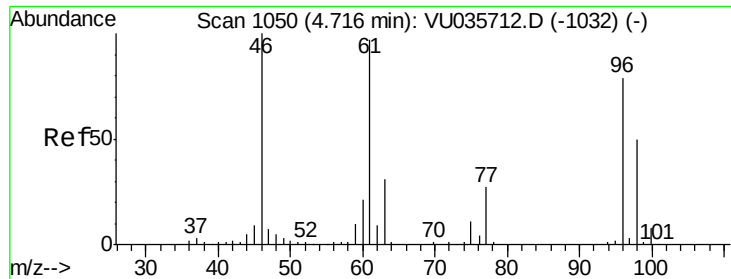


Abundance Ion 84.05 (83.75 to 84.75): VU035715.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035715.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035715.D (-448) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.389 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035715.D

Acq: 15 Nov 2019 10:33

Instrument :

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ClientSampleId :

GAQG1

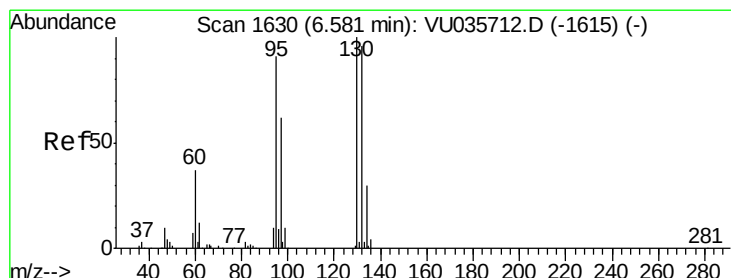
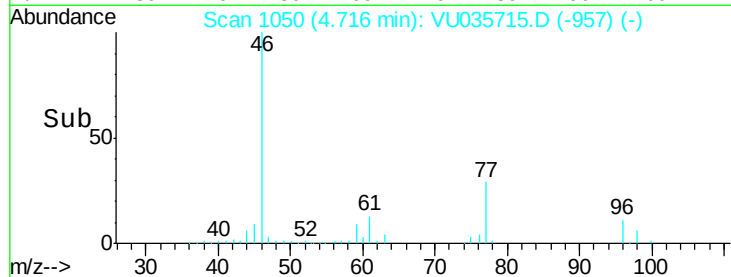
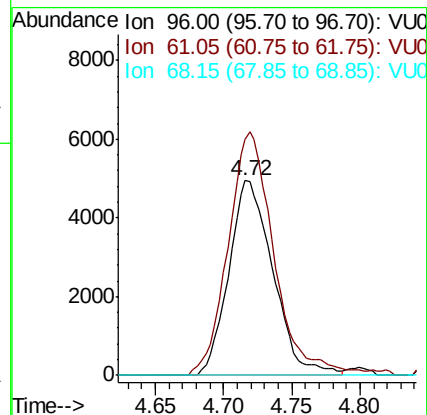
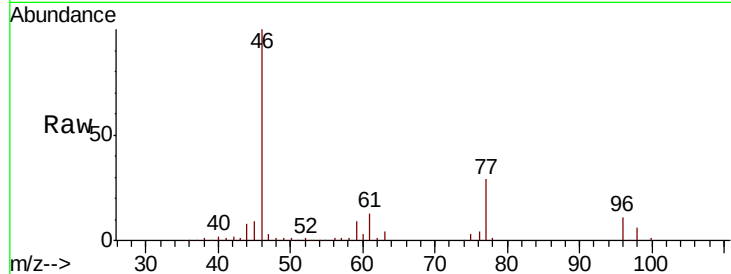
Tot Ion: 96 Resp: 11117

Ion Ratio Lower Upper

96 100

61 121.3 87.0 161.6

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 0.622 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035715.D

Acq: 15 Nov 2019 10:33

Tgt Ion: 95 Resp: 17812

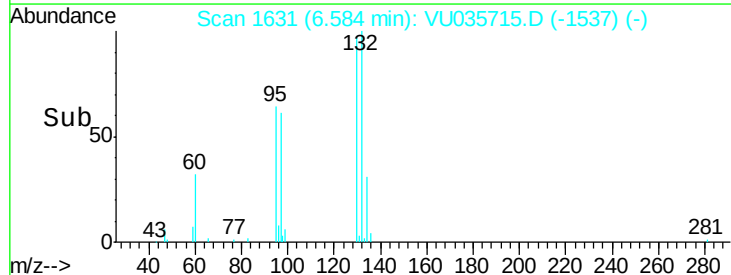
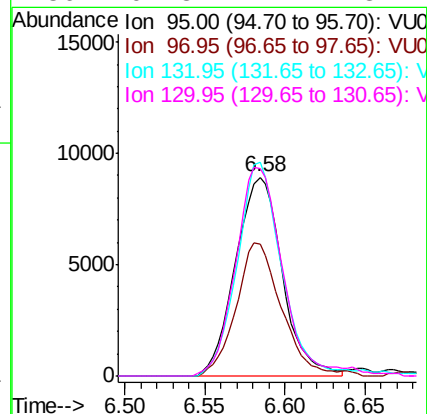
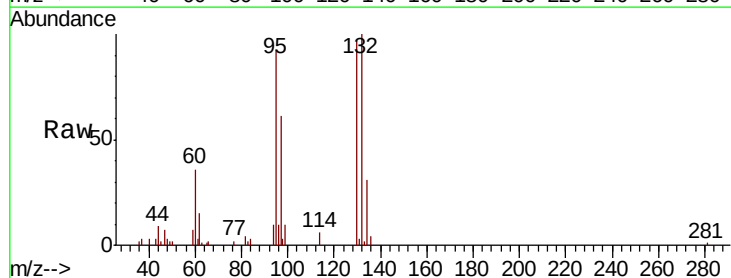
Ion Ratio Lower Upper

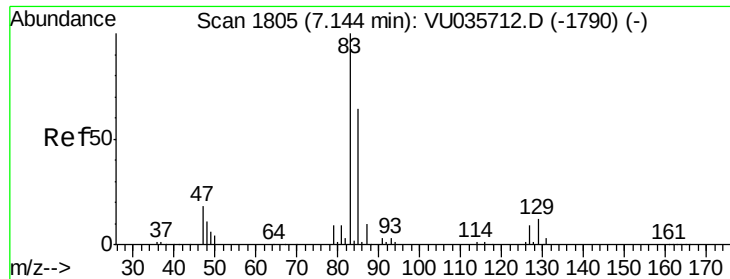
95 100

97 66.1 44.5 82.7

132 107.5 69.9 129.7

130 104.3 74.1 137.7

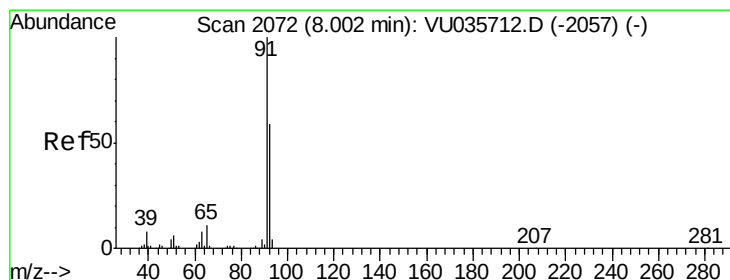
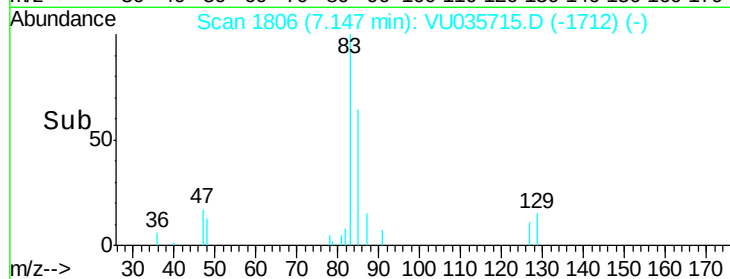
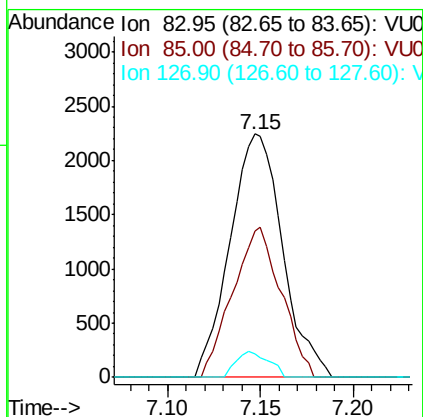
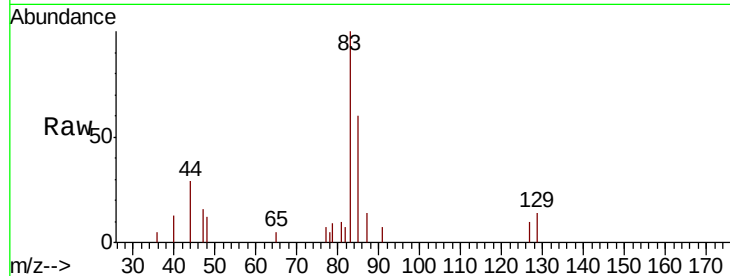




#38
Bromodichloromethane
Concen: 0.124 ug/L
RT: 7.15 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VU035715.D
Acq: 15 Nov 2019 10:33

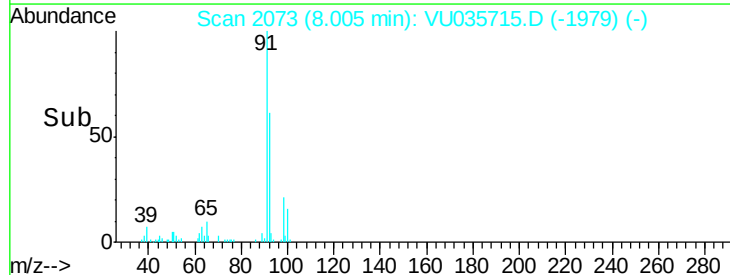
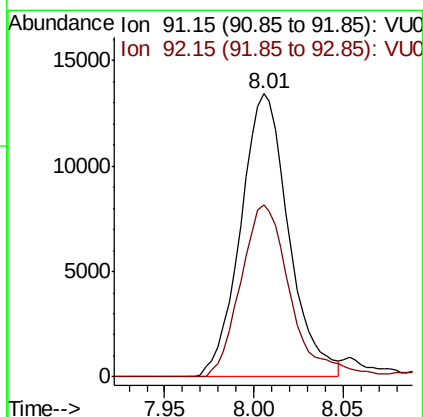
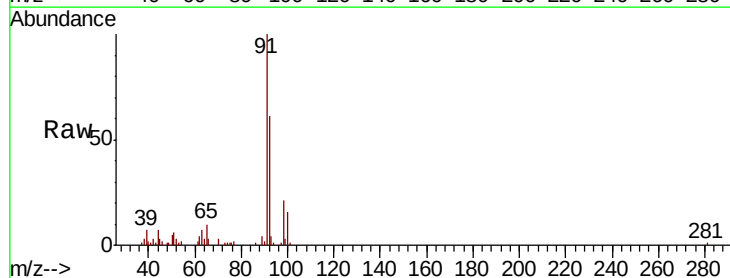
Instrument :
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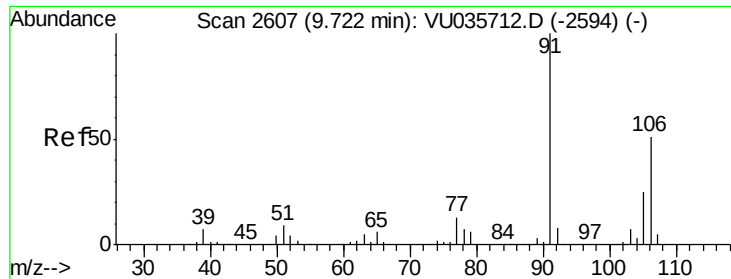
Tot Ion: 83 Resp: 4412
Ion Ratio Lower Upper
83 100
85 60.0 44.7 82.9
127 9.8 7.1 10.7



#42
Toluene
Concen: 0.215 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VU035715.D
Acq: 15 Nov 2019 10:33

Tgt Ion: 91 Resp: 25264
Ion Ratio Lower Upper
91 100
92 60.7 40.5 75.3





#53

m,p-Xylene

Concen: 0.120 ug/L

RT: 9.73 min Scan# 2610

Delta R.T. 0.01 min

Lab File: VU035715.D

Acq: 15 Nov 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

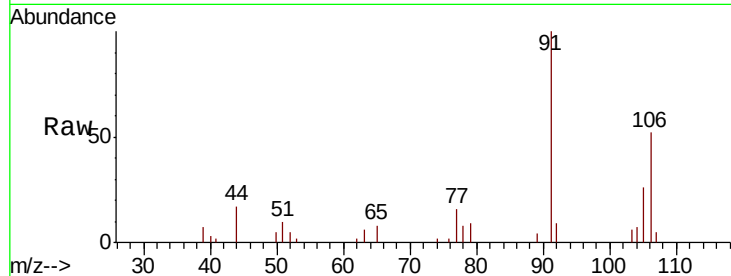
GAQG1

Tot Ion:106 Resp: 5615

Ion Ratio Lower Upper

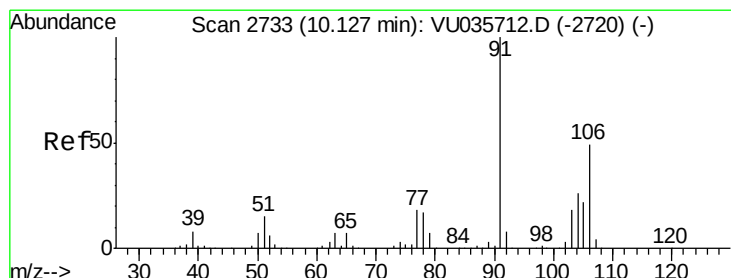
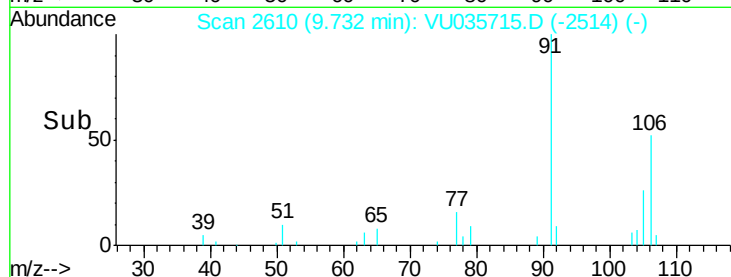
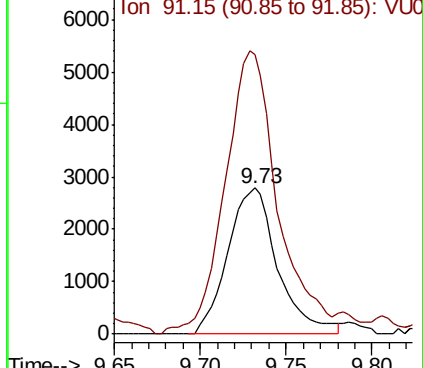
106 100

91 191.6 139.4 259.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.062 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU035715.D

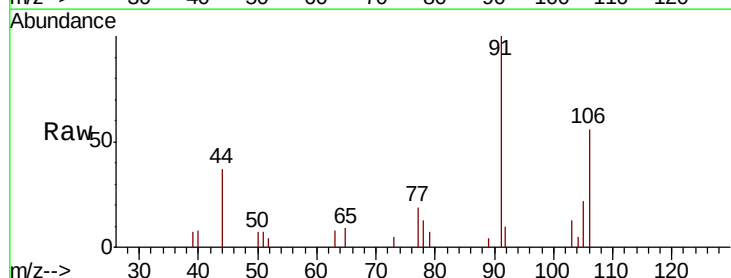
Acq: 15 Nov 2019 10:33

Tgt Ion:106 Resp: 2824

Ion Ratio Lower Upper

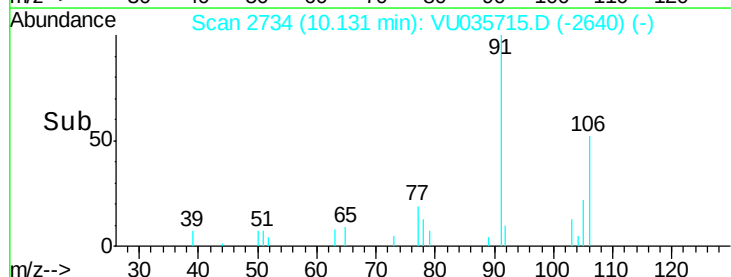
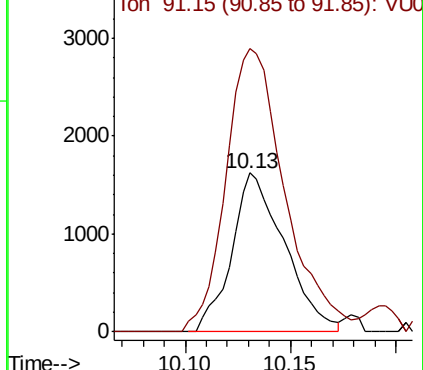
106 100

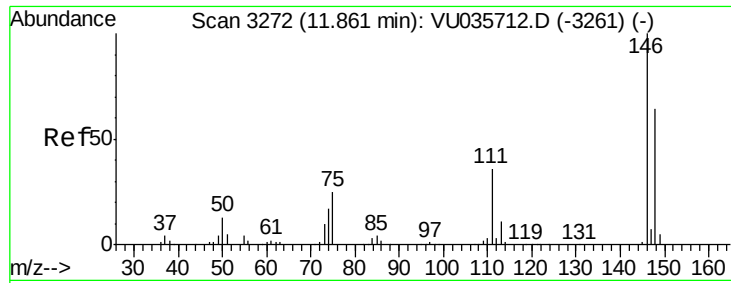
91 177.9 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#63

1,4-Dichlorobenzene

Concen: 0.107 ug/L

RT: 11.87 min Scan# 3275

Delta R.T. 0.01 min

Lab File: VU035715.D

Acq: 15 Nov 2019 10:33

Instrument :

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ClientSampleId :

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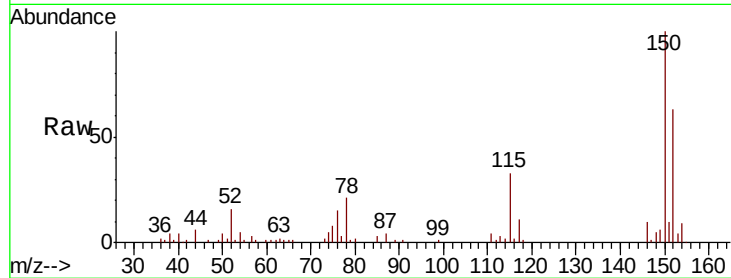
Tot Ion:146 Resp: 4225

Ion Ratio Lower Upper

146 100

111 42.7 25.9 48.1

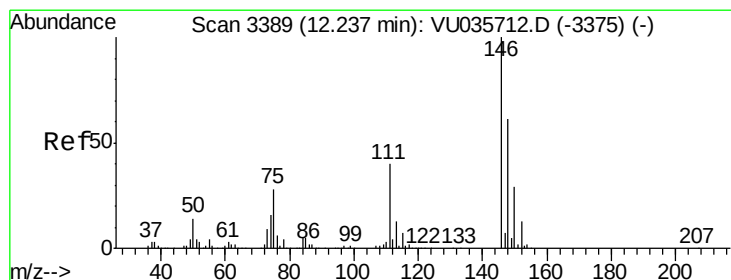
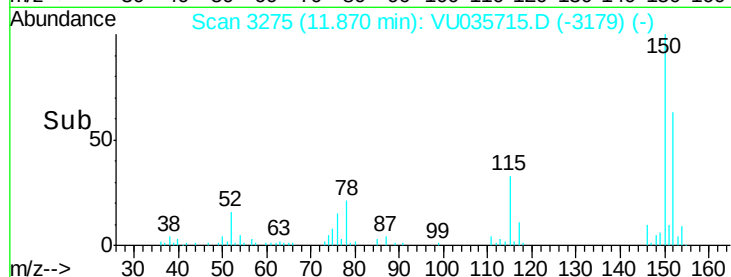
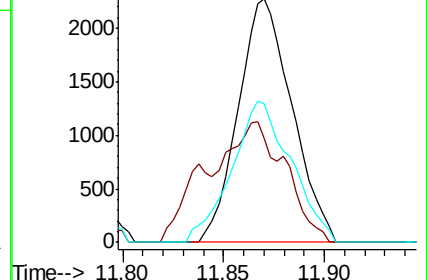
148 56.9 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.227 ug/L

RT: 12.25 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VU035715.D

Acq: 15 Nov 2019 10:33

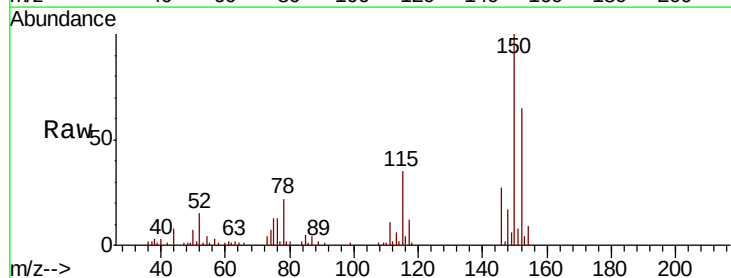
Tgt Ion:146 Resp: 8726

Ion Ratio Lower Upper

146 100

111 39.1 32.2 48.4

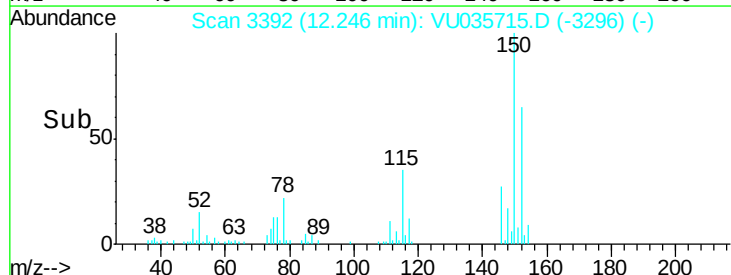
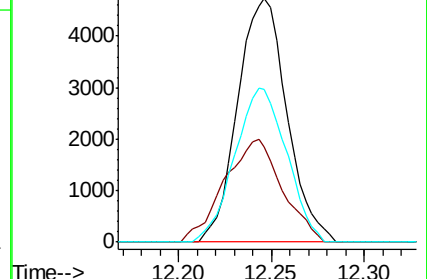
148 62.5 50.7 76.1

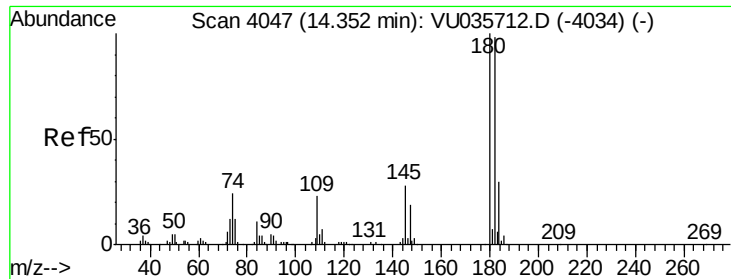


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

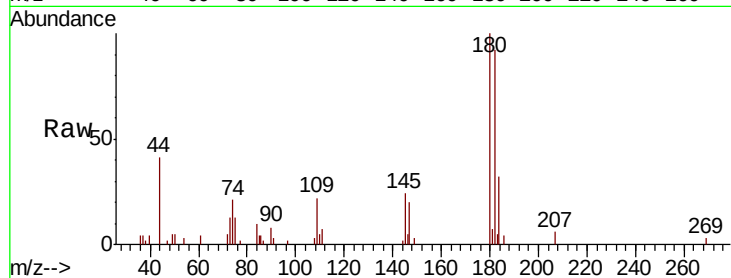




#70
 1,2,3-Trichlorobenzene
 Concen: 0.547 ug/L
 RT: 14.36 min Scan# 4048
 Delta R.T. 0.00 min
 Lab File: VU035715.D
 Acq: 15 Nov 2019 10:33

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Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	74.8	112.2
145	28.2	23.6	35.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

