

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121919\
 Data File : VU036298.D
 Acq On : 19 Dec 2019 21:43
 Operator : JC/MD
 Sample : K6282-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDX1

Manual Integrations
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Quant Time: Dec 20 05:55:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 20 05:33:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	253792	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	263863	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	118750	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	117029	5.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.80%
7) Chloroethane-d5	1.93	69	101644	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.59	63	131573	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.71	46	214993	51.35	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.70%
24) Chloroform-d	5.11	84	168008	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.75	65	87722	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.77	84	310728	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.73	67	100264	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.93	98	246240	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
43) trans-1,3-Dichloropropene-	8.21	79	38911	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.67	63	165285	50.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.54%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	88990	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	104061	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	3404	0.096	ug/L	96
5) Vinyl chloride	1.62	62	10797	0.320	ug/L	88
9) Trichlorofluoromethane	2.16	101	42861	1.009	ug/L	93
12) 1,1-Dichloroethene	2.61	96	27366	1.454	ug/L #	56
13) Acetone	2.69	43	31896m	8.741	ug/L	
14) Carbon disulfide	2.82	76	28117	0.445	ug/L	97
15) Methyl Acetate	3.00	43	4355	0.591	ug/L #	51
18) trans-1,2-Dichloroethene	3.39	96	25468	1.292	ug/L	97
19) 1,1-Dichloroethane	3.92	63	15500	0.426	ug/L	95
21) 2-Butanone	4.79	43	10140m	2.080	ug/L	
22) cis-1,2-Dichloroethene	4.72	96	457079	21.609	ug/L	98
29) 1,1,1-Trichloroethane	5.37	97	2587	0.080	ug/L #	86
33) Benzene	5.82	78	31888m	0.393	ug/L	
34) Trichloroethene	6.58	95	5669332	271.174	ug/L	98
42) Toluene	8.00	91	146740	1.688	ug/L	97
47) Tetrachloroethene	8.58	164	11939	0.632	ug/L	95
51) Chlorobenzene	9.47	112	125815	2.192	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 05:33:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.72	106	2752	0.082	ug/L	92
63) 1,4-Dichlorobenzene	11.86	146	78925	1.986	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	108633	2.846	ug/L	98

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

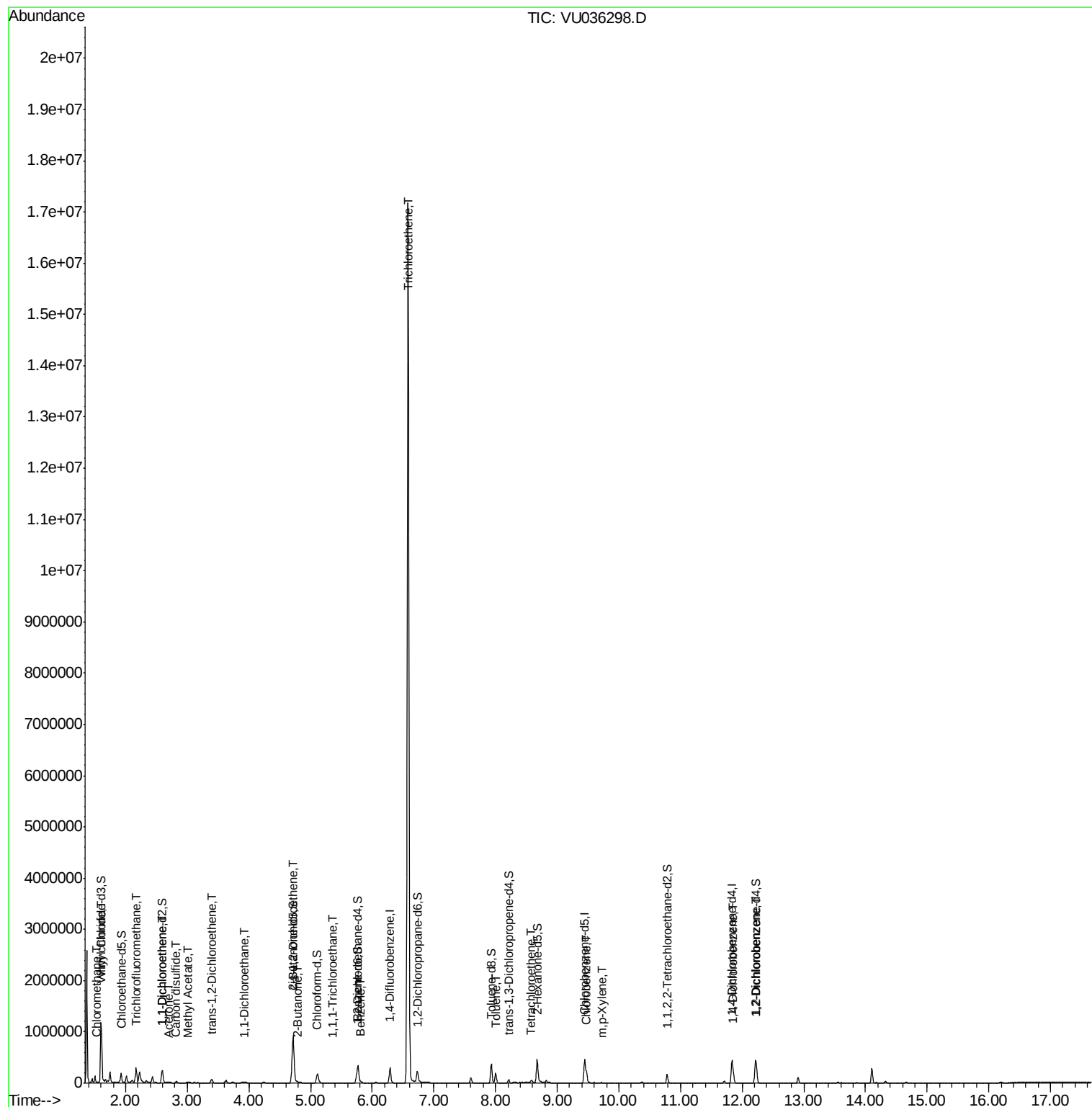
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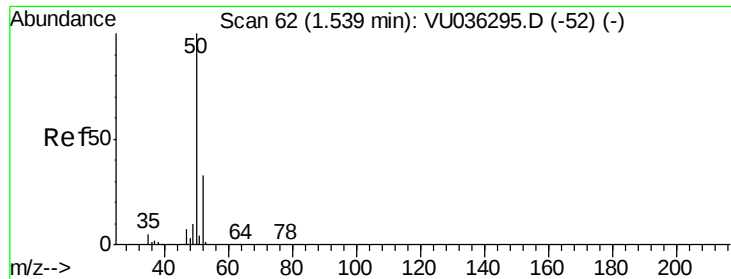
Instrument :
MSVOA_U
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 05:33:55 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.096 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.01 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

Instrument :

MSVOA_U

ClientSampleId :

BFDX1

Tot Ion: 50 Resp: 3404

Ion Ratio Lower Upper

50 100

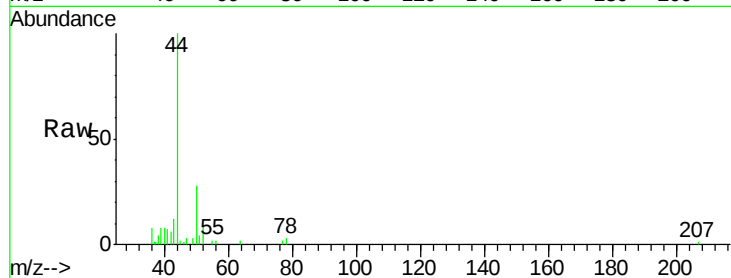
52 30.9 23.1 42.9

Manual Integrations

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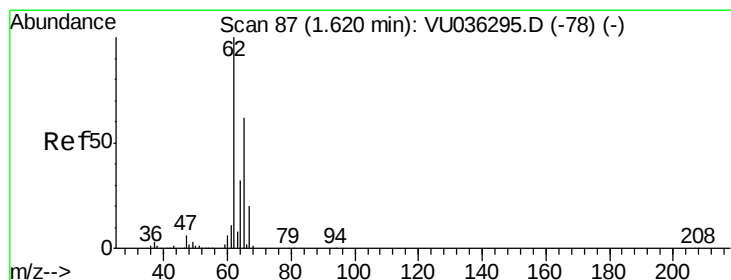
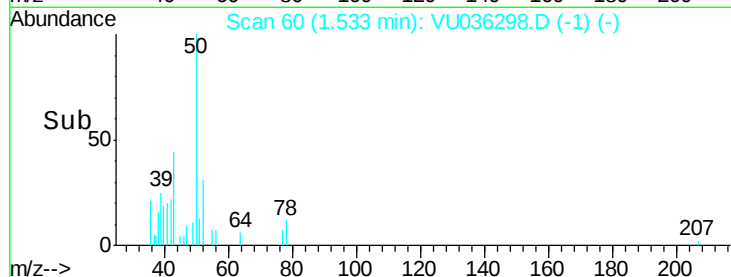
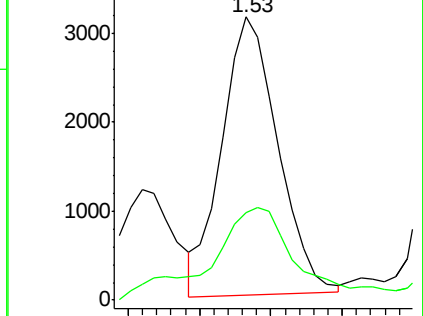
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Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.320 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036298.D

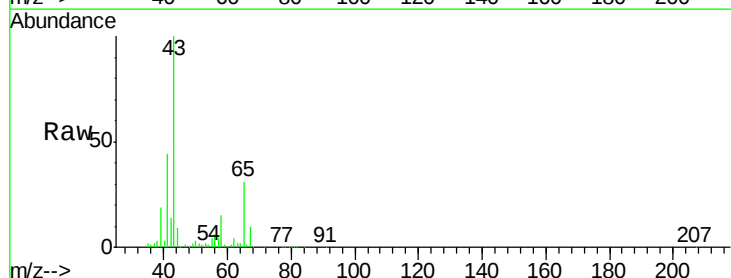
Acq: 19 Dec 2019 21:43

Tgt Ion: 62 Resp: 10797

Ion Ratio Lower Upper

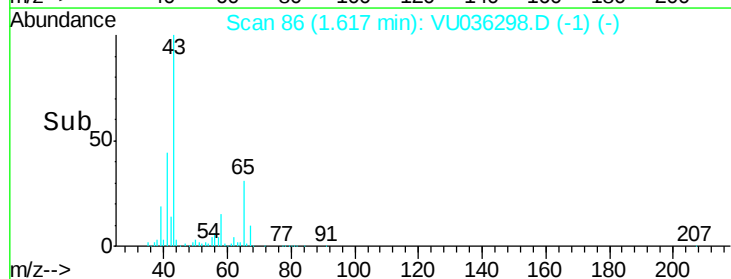
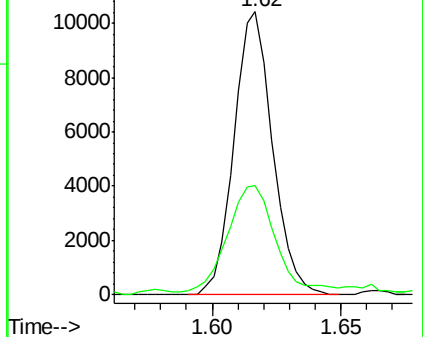
62 100

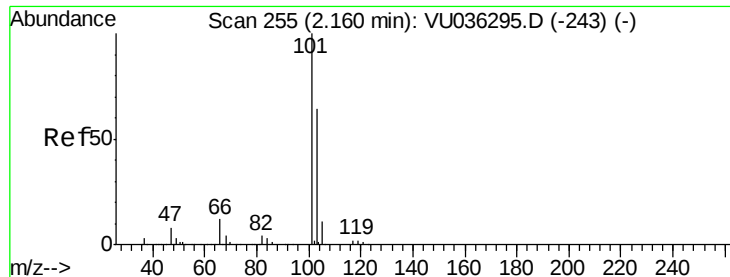
64 38.6 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#9

Trichlorofluoromethane

Concen: 1.009 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

Instrument :

MSVOA_U

ClientSampleId :

BFDX1

Tot Ion:101 Resp: 42861

Ion Ratio Lower Upper

101 100

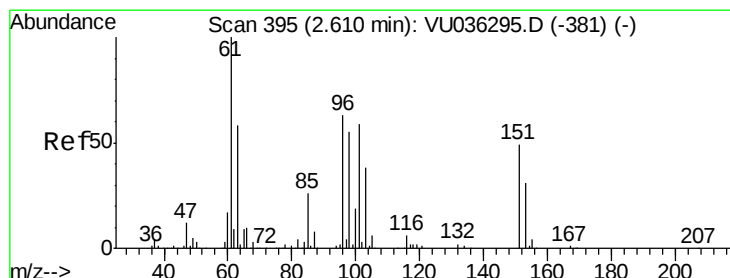
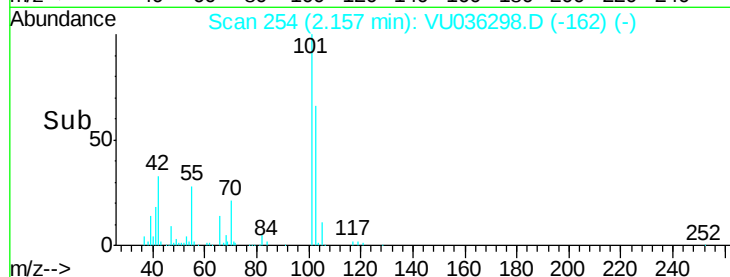
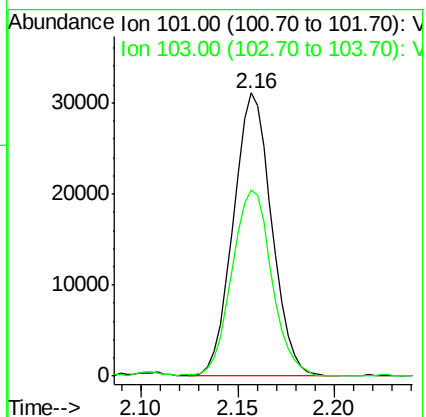
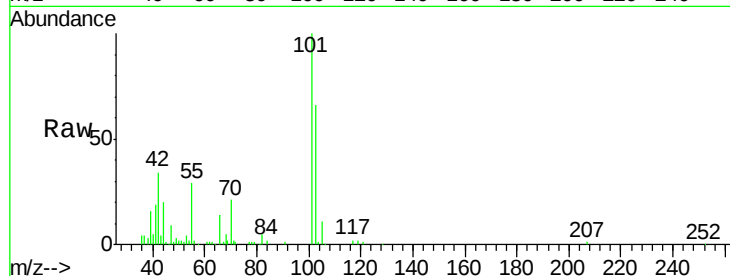
103 68.3 50.4 75.6

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#12

1,1-Dichloroethene

Concen: 1.454 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

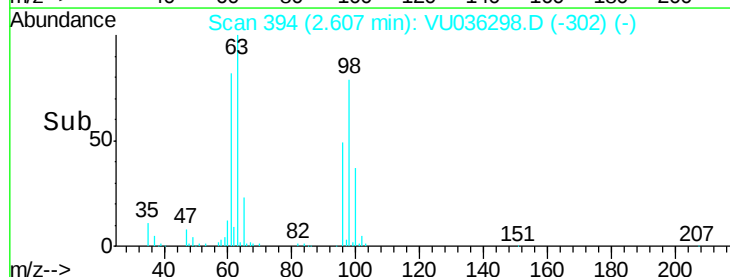
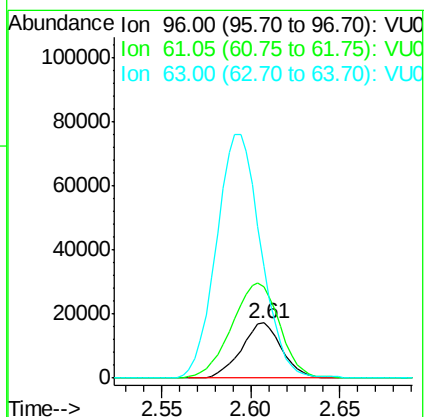
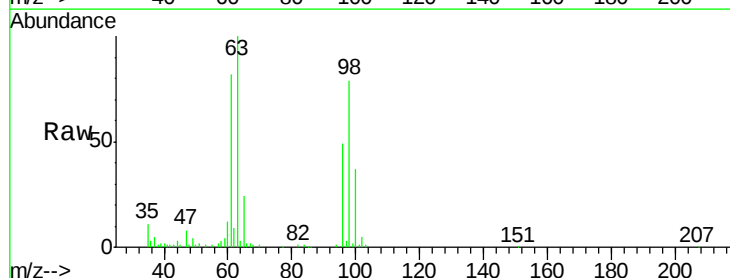
Tgt Ion: 96 Resp: 27366

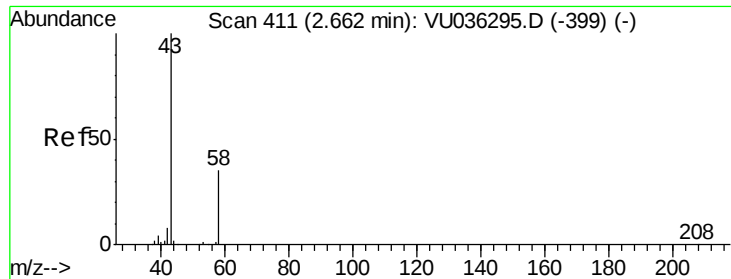
Ion Ratio Lower Upper

96 100

61 166.5 114.0 211.8

63 203.3 63.6 118.0#





#13

Acetone

Concen: 8.741 ug/L m

RT: 2.69 min Scan# 421

Delta R.T. 0.03 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

Instrument :

MSVOA_U

ClientSampled :

BFDX1

Tot Ion: 43 Resp: 31896

Ion Ratio Lower Upper

43 100

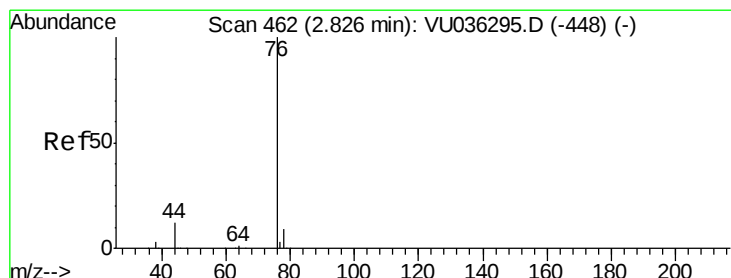
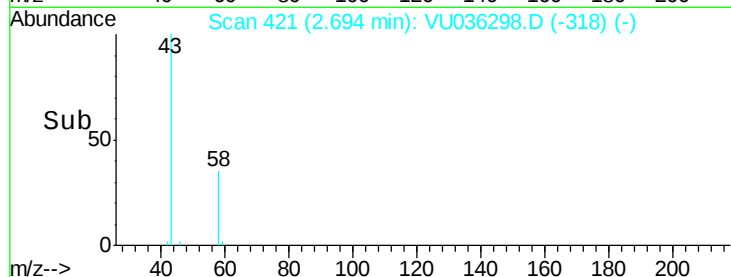
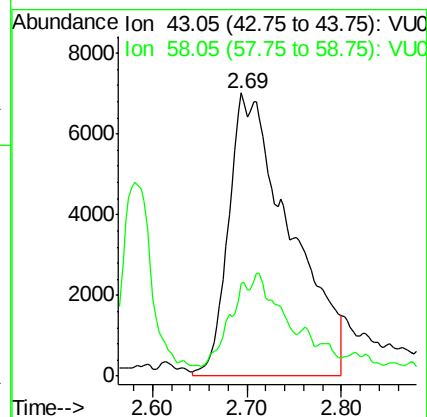
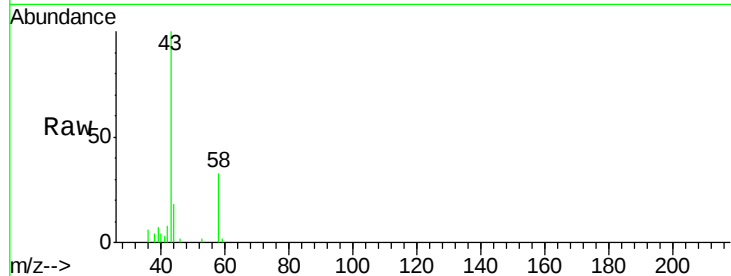
58 10.3 0.0 67.6

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#14

Carbon disulfide

Concen: 0.445 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.01 min

Lab File: VU036298.D

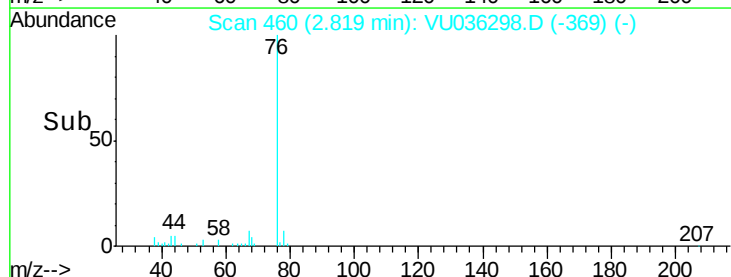
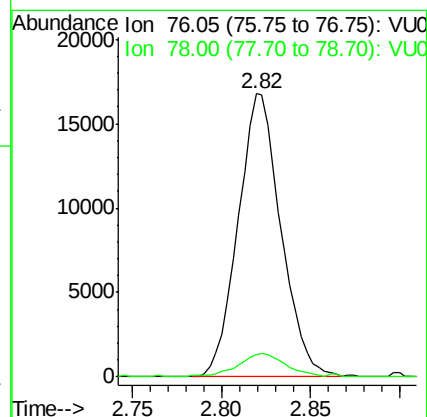
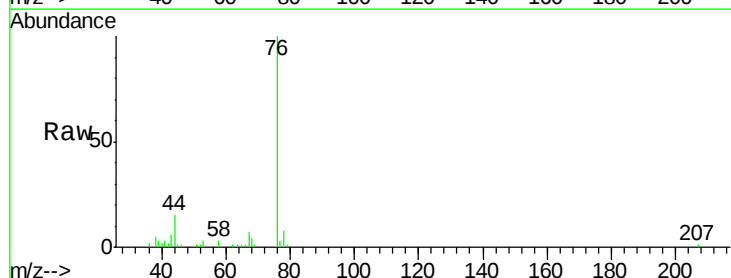
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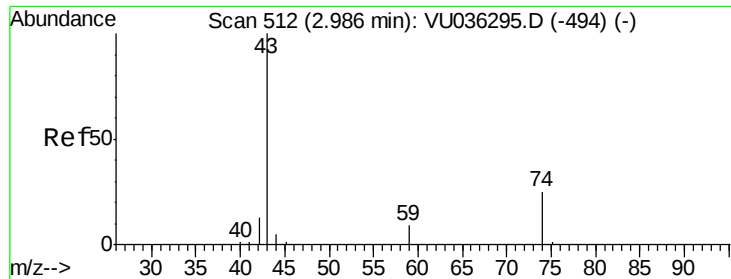
Tgt Ion: 76 Resp: 28117

Ion Ratio Lower Upper

76 100

78 8.0 7.1 10.7





#15

Methvl Acetate

Concen: 0.591 ug/L

RT: 3.00 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

Instrument :

MSVOA_U

ClientSampled :

BFDX1

Tot Ion: 43 Resp: 4355

Ion Ratio Lower Upper

43 100

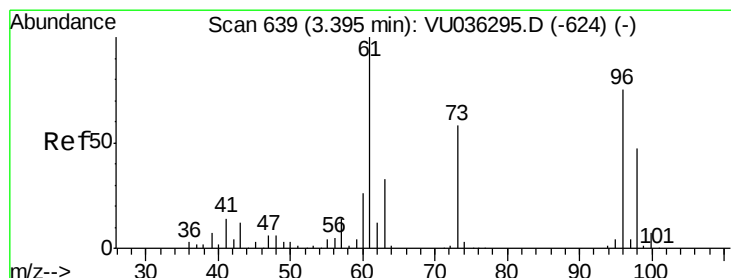
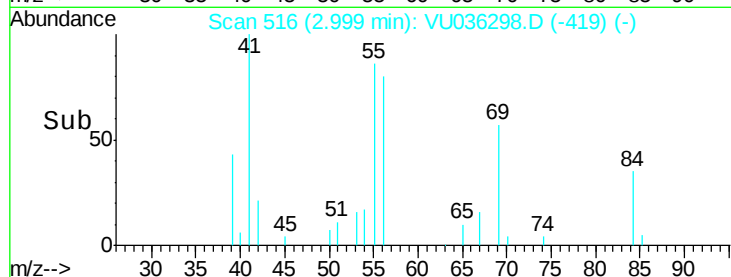
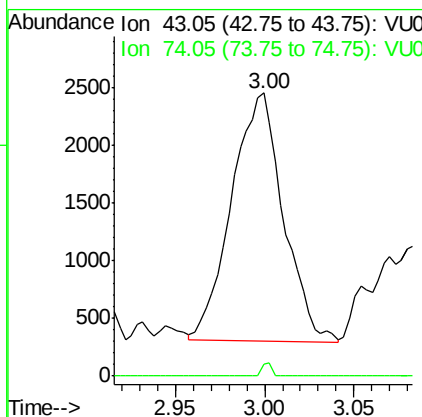
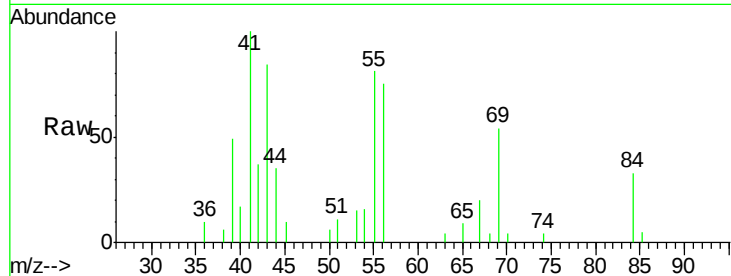
74 1.0 20.8 31.2#

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#18

trans-1,2-Dichloroethene

Concen: 1.292 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.01 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

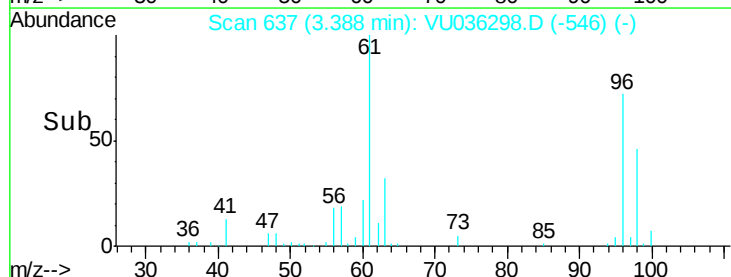
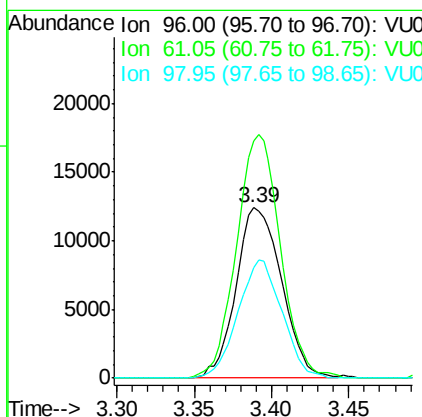
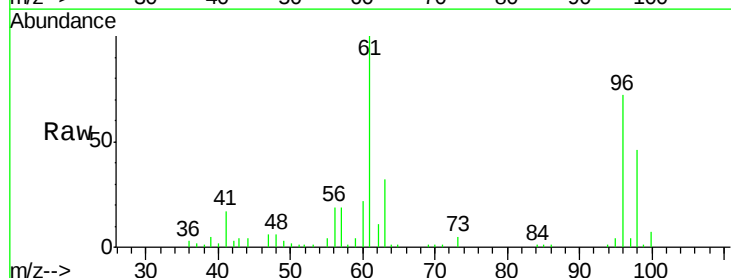
Tgt Ion: 96 Resp: 25468

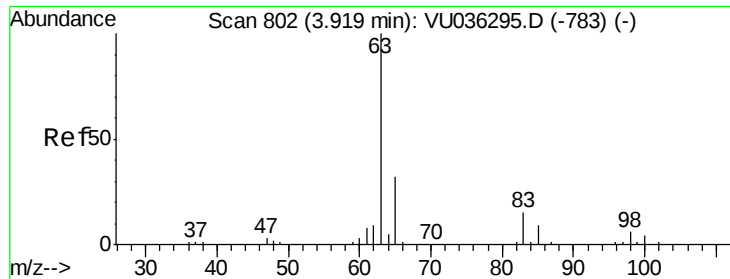
Ion Ratio Lower Upper

96 100

61 139.8 94.8 176.2

98 64.9 46.8 86.8





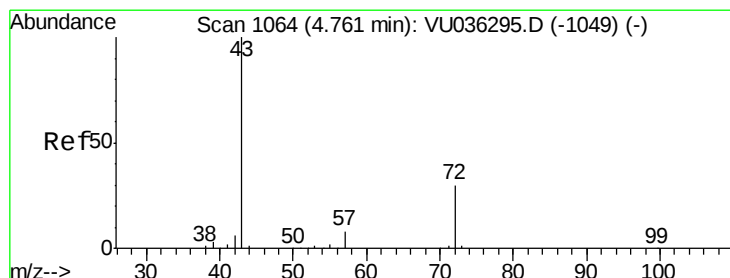
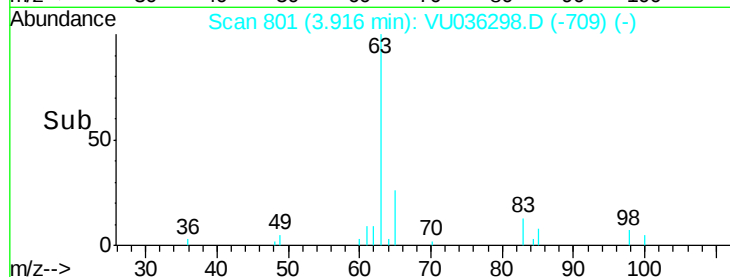
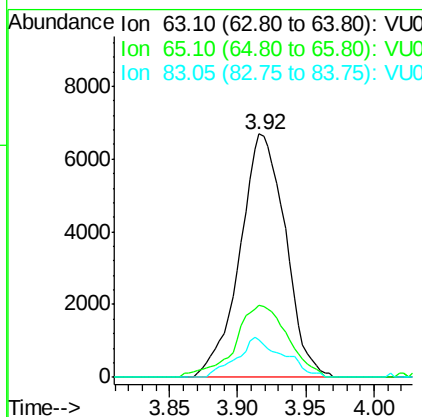
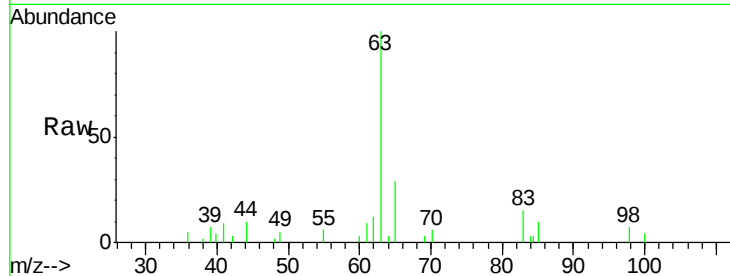
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 1,1-Dichloroethane
 Concen: 0.426 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036298.D
 Acq: 19 Dec 2019 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDX1

Tot Ion:	63	Resp:	15500
Ion Ratio	Lower	Upper	
63	100		
65	29.4	22.6	42.0
83	15.5	9.7	18.1

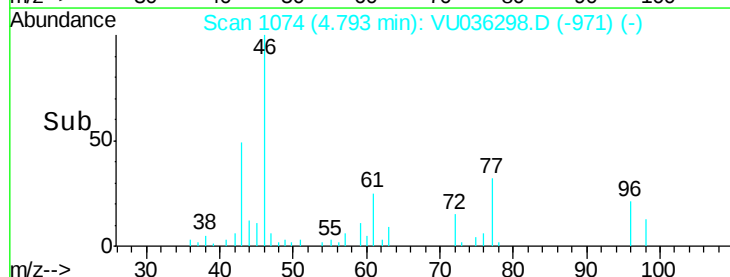
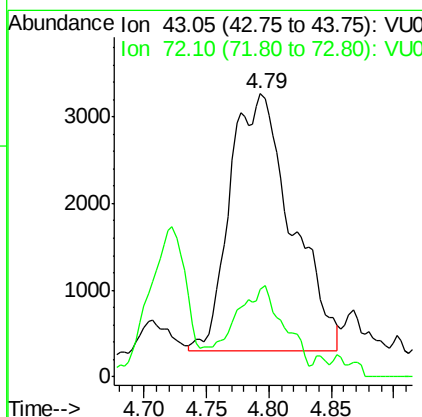
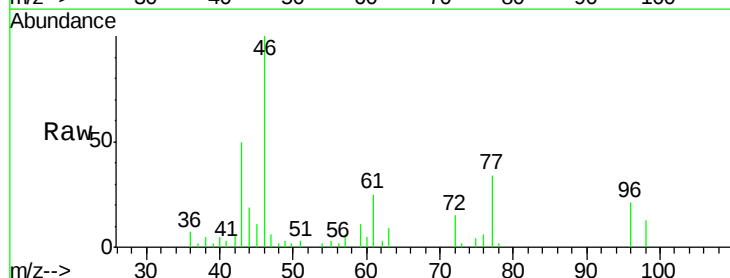
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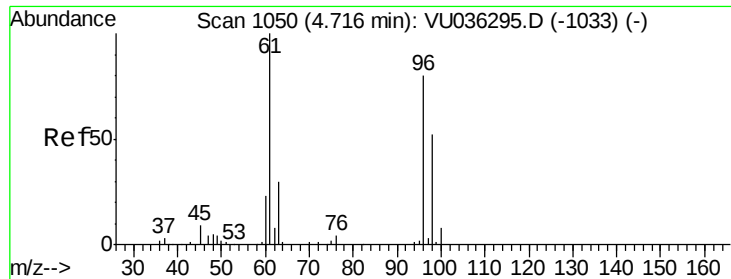
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#21
 2-Butanone
 Concen: 2.080 ug/L m
 RT: 4.79 min Scan# 1074
 Delta R.T. 0.03 min
 Lab File: VU036298.D
 Acq: 19 Dec 2019 21:43

Tgt Ion:	43	Resp:	10140
Ion Ratio	Lower	Upper	
43	100		
72	1.8	14.4	43.4#





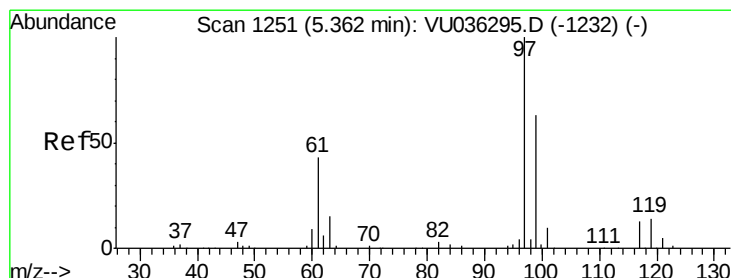
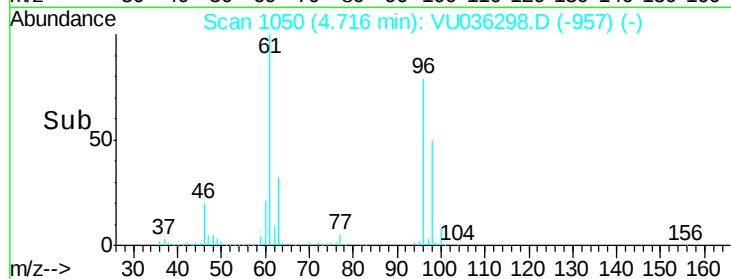
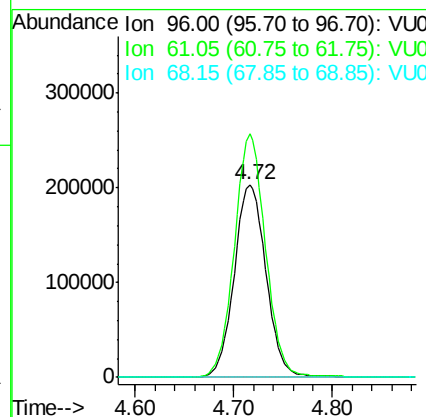
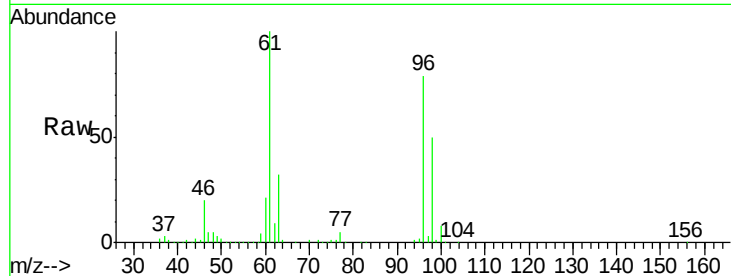
#22
 cis-1,2-Dichloroethene
 Concen: 21.609 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU036298.D
 Acq: 19 Dec 2019 21:43

Instrument :
 MSVOA_U
 ClientSampled :
 BFDX1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		457079		
61	126.3	86.7	161.1		
68	0.0	0.0	0.0		

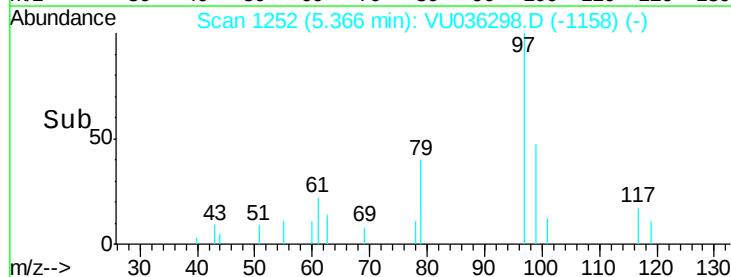
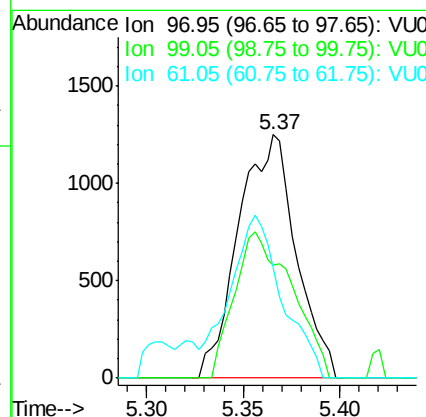
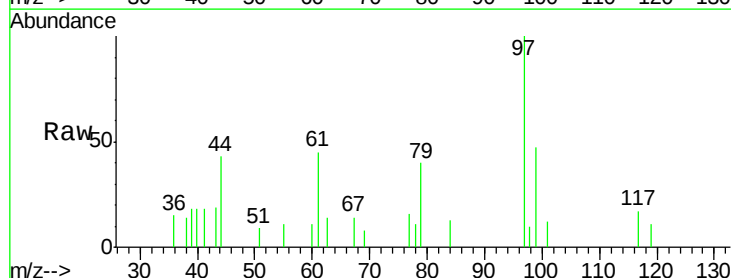
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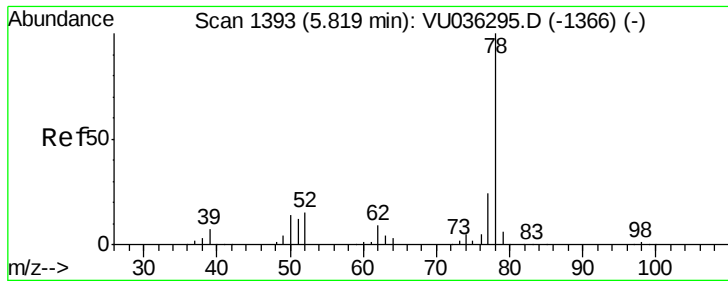
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#29
 1,1,1-Trichloroethane
 Concen: 0.080 ug/L
 RT: 5.37 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU036298.D
 Acq: 19 Dec 2019 21:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		2587		
99	60.1	51.4	77.2		
61	60.8	35.0	52.6#		





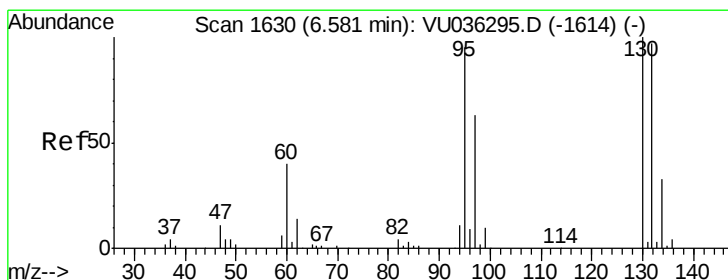
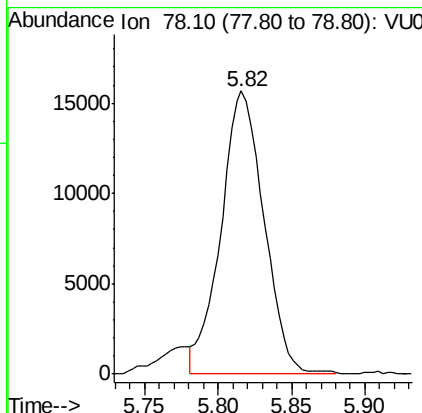
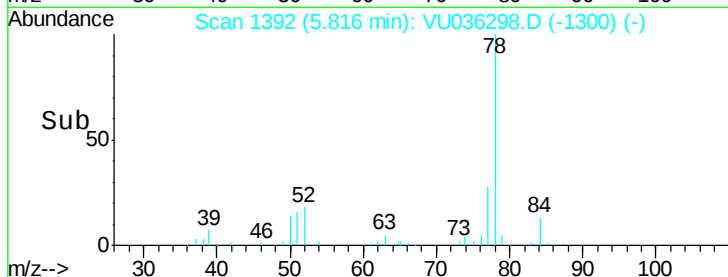
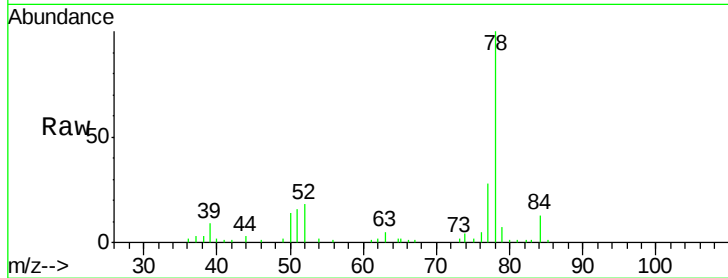
#33
Benzene
Concen: 0.393 ug/L m
RT: 5.82 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU036298.D
Acq: 19 Dec 2019 21:43

Instrument :
MSVOA_U
ClientSampleId :
BFDX1

Tgt Ion: 78 Resp: 31888

Manual Integrations
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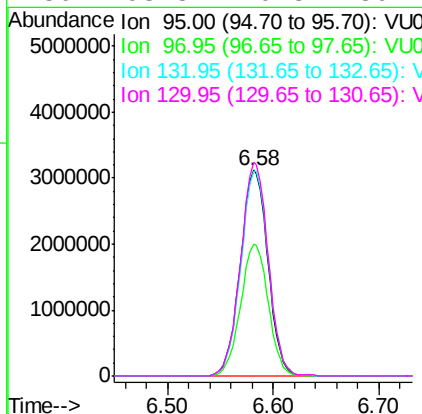
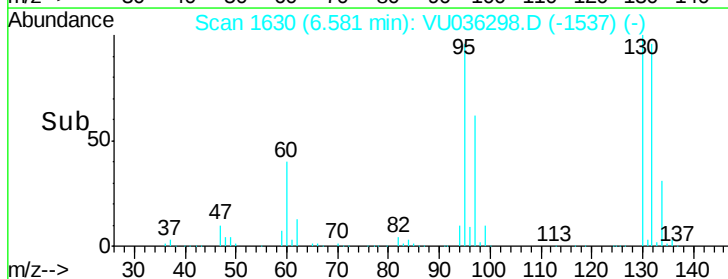
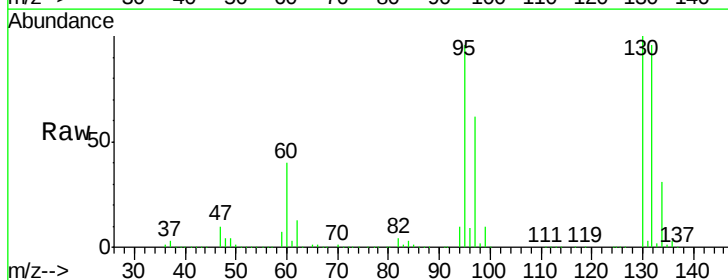
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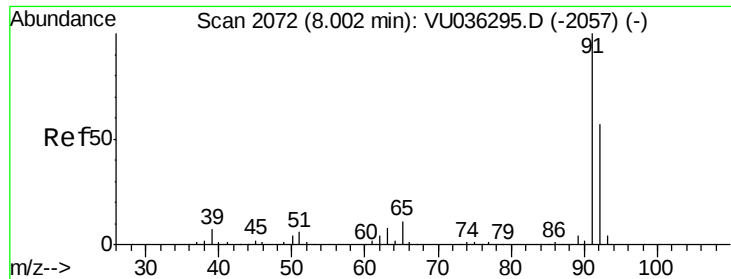


#34
Trichloroethene
Concen: 271.174 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036298.D
Acq: 19 Dec 2019 21:43

Tgt Ion: 95 Resp: 5669332

Ion	Ratio	Lower	Upper
95	100		
97	64.4	43.6	81.0
132	99.9	69.6	129.2
130	103.8	70.3	130.7





#42

Toluene

Concen: 1.688 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

Instrument :

MSVOA_U

ClientSampled :

BFDX1

Tot Ion: 91 Resp: 146740

Ion Ratio Lower Upper

91 100

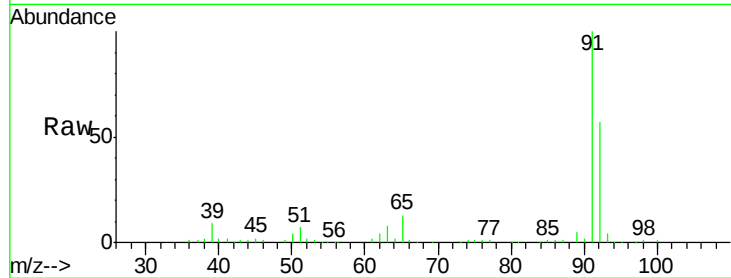
92 56.9 41.2 76.6

Manual Integrations

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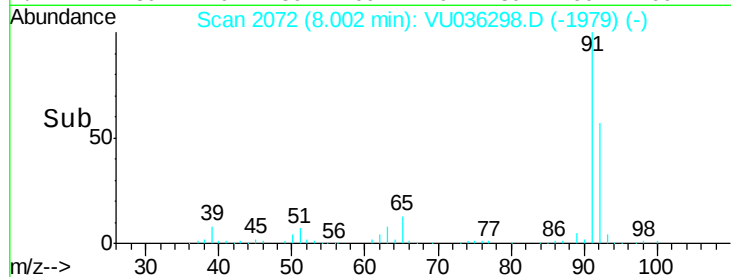


Abundance Ion 91.15 (90.85 to 91.85): VU036298.D (-2160) (-)

Ion 92.15 (91.85 to 92.85): VU036298.D (-2160) (-)

8.00

Time-->



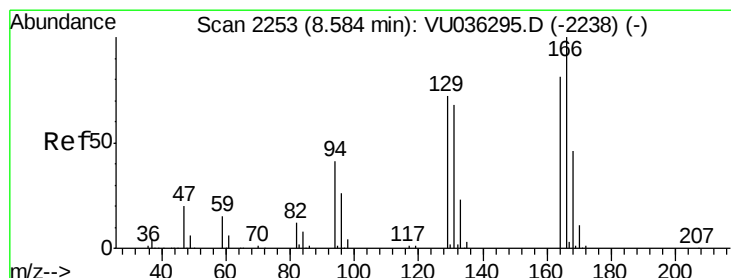
Abundance

Ion 91.15 (90.85 to 91.85): VU036298.D (-1979) (-)

Ion 92.15 (91.85 to 92.85): VU036298.D (-1979) (-)

8.00

Time-->



#47

Tetrachloroethene

Concen: 0.632 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

Tgt Ion: 164 Resp: 11939

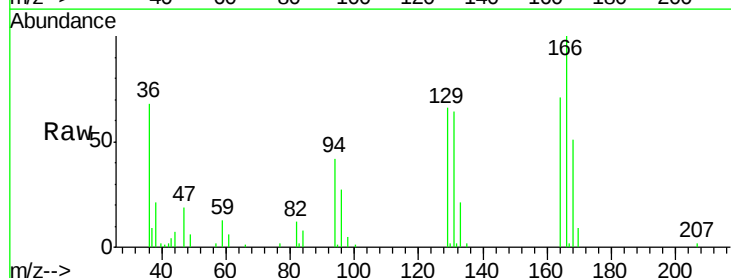
Ion Ratio Lower Upper

164 100

129 93.4 64.2 119.2

131 90.6 66.6 123.8

166 141.5 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): VU036298.D (-2160) (-)

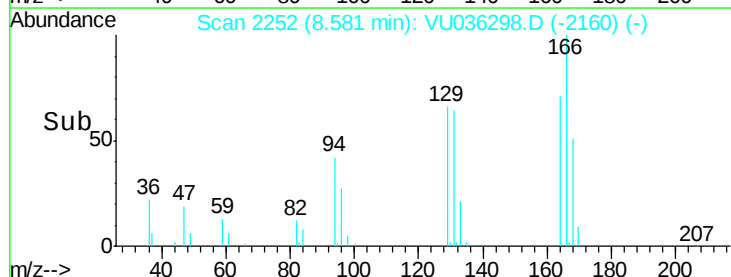
Ion 128.95 (128.65 to 129.65): VU036298.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU036298.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU036298.D (-2160) (-)

8.58

Time-->



Abundance

Ion 163.90 (163.60 to 164.60): VU036298.D (-2160) (-)

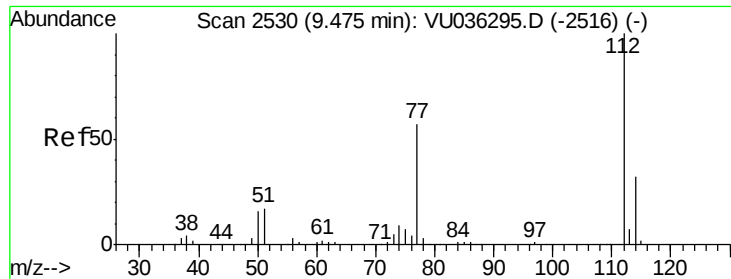
Ion 128.95 (128.65 to 129.65): VU036298.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU036298.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU036298.D (-2160) (-)

8.58

Time-->



#51

Chlorobenzene

Concen: 2.192 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. 0.00 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

Instrument :

MSVOA_U

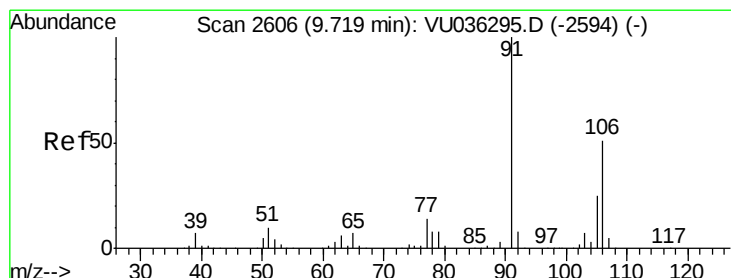
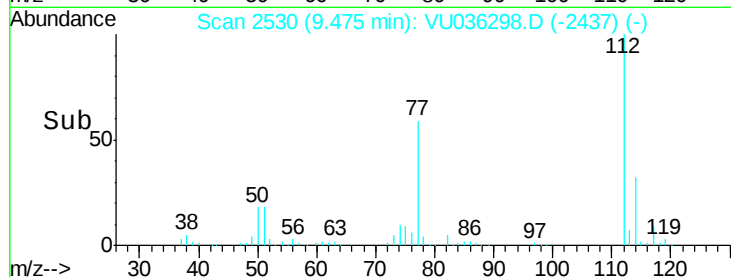
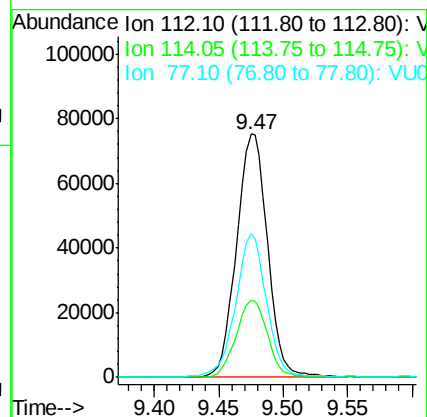
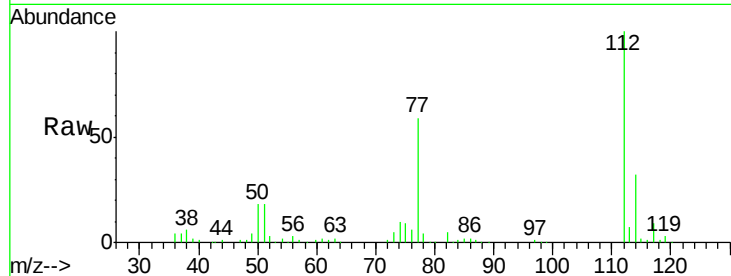
ClientSampleId :

BFDX1

Tot Ion:	112	Resp:	125815
Ion Ratio	Lower	Upper	
112	100		
114	31.5	23.2	43.2
77	59.2	46.5	69.7

Manual Integrations
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#53

m,p-Xylene

Concen: 0.082 ug/L

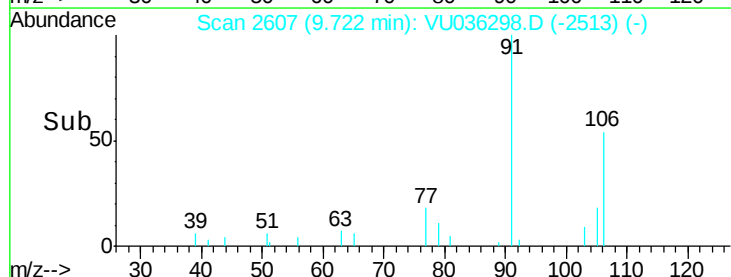
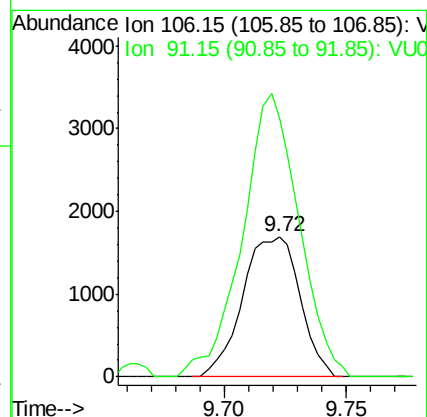
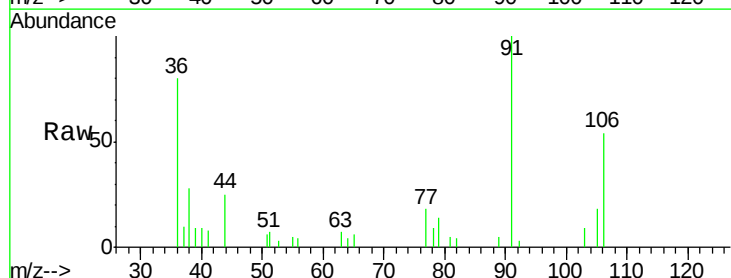
RT: 9.72 min Scan# 2607

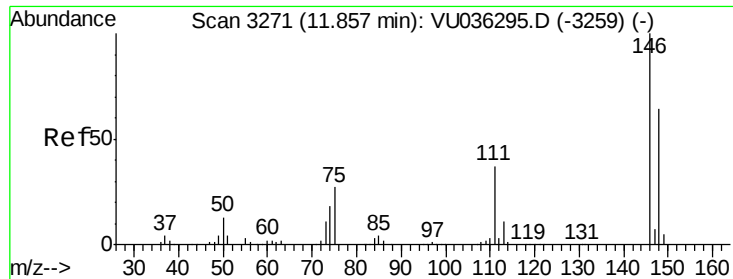
Delta R.T. 0.00 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

Tgt Ion:	106	Resp:	2752
Ion Ratio	Lower	Upper	
106	100		
91	185.5	138.7	257.7





#63

1,4-Dichlorobenzene

Concen: 1.986 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

Instrument :

MSVOA_U

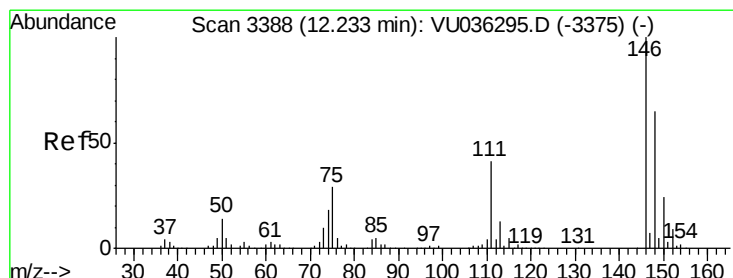
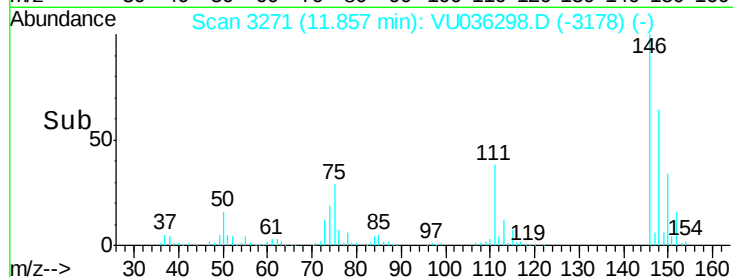
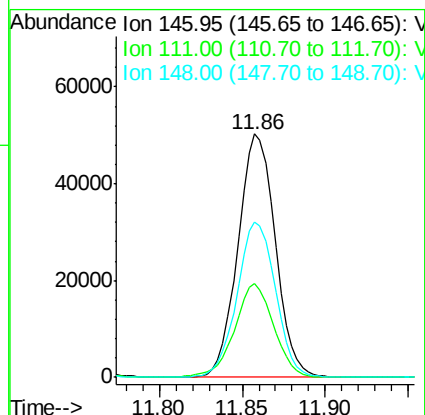
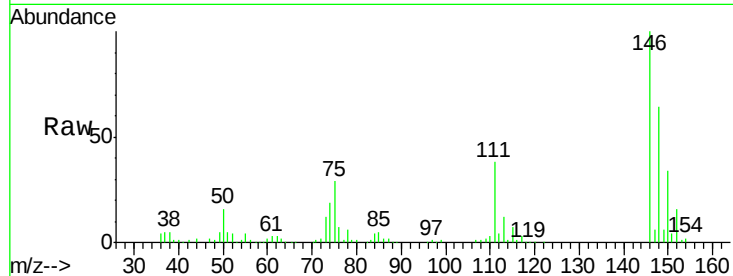
ClientSampled :

BFDX1

Tot Ion:	146	Resp:	78925
Ion Ratio	Lower	Upper	
146	100		
111	38.5	25.8	48.0
148	63.9	44.7	82.9

Manual Integrations
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#65

1,2-Dichlorobenzene

Concen: 2.846 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036298.D

Acq: 19 Dec 2019 21:43

Tgt Ion:	146	Resp:	108633
Ion Ratio	Lower	Upper	
146	100		
111	41.8	32.5	48.7
148	62.5	49.2	73.8

