

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121919\
 Data File : VU036299.D
 Acq On : 19 Dec 2019 22:07
 Operator : JC/MD
 Sample : K6282-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDX2

Manual Integrations
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Quant Time: Dec 20 06:02:31 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	6.35	114	215304	5.00	ug/L	0.06
28) Chlorobenzene-d5	9.46	117	228758	5.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.84	152	97756	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.66	65	117339	6.19	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.80%
7) Chloroethane-d5	1.98	69	100822	5.93	ug/L	0.05
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.60%
11) 1,1-Dichloroethene-d2	2.65	63	167704	6.13	ug/L	0.05
Spiked Amount	5.000	Range	60 - 125	Recovery	=	122.60%
20) 2-Butanone-d5	4.81	46	181601	51.13	ug/L	0.13
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.26%
24) Chloroform-d	5.17	84	158468	5.20	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.82	65	81349	5.08	ug/L	0.07
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.84	84	276062	4.80	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.78	67	93147	5.14	ug/L	0.05
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.96	98	225924	4.18	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	8.24	79	34495	4.63	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.70	63	147509	51.75	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.50%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	80502	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	85716	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
5) Vinyl chloride	1.66	62	9331	0.326	ug/L #	73
9) Trichlorofluoromethane	2.21	101	47039	1.305	ug/L	97
12) 1,1-Dichloroethene	2.66	96	32091	2.009	ug/L #	41
13) Acetone	2.83	43	37296m	12.048	ug/L	
14) Carbon disulfide	2.87	76	13867	0.259	ug/L #	86
17) Methyl tert-butyl Ether	3.50	73	15032	0.439	ug/L	98
18) trans-1,2-Dichloroethene	3.44	96	31534	1.885	ug/L	94
19) 1,1-Dichloroethane	3.97	63	19309	0.625	ug/L	96
22) cis-1,2-Dichloroethene	4.76	96	404448	22.539	ug/L	98
29) 1,1,1-Trichloroethane	5.42	97	2546	0.090	ug/L #	52
33) Benzene	5.89	78	12800m	0.182	ug/L	
34) Trichloroethene	6.63	95	5024528	277.213	ug/L	98
42) Toluene	8.03	91	418511	5.554	ug/L	95
47) Tetrachloroethene	8.60	164	10682	0.653	ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	18085	0.553	ug/L	96
65) 1,2-Dichlorobenzene	12.24	146	12033	0.383	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

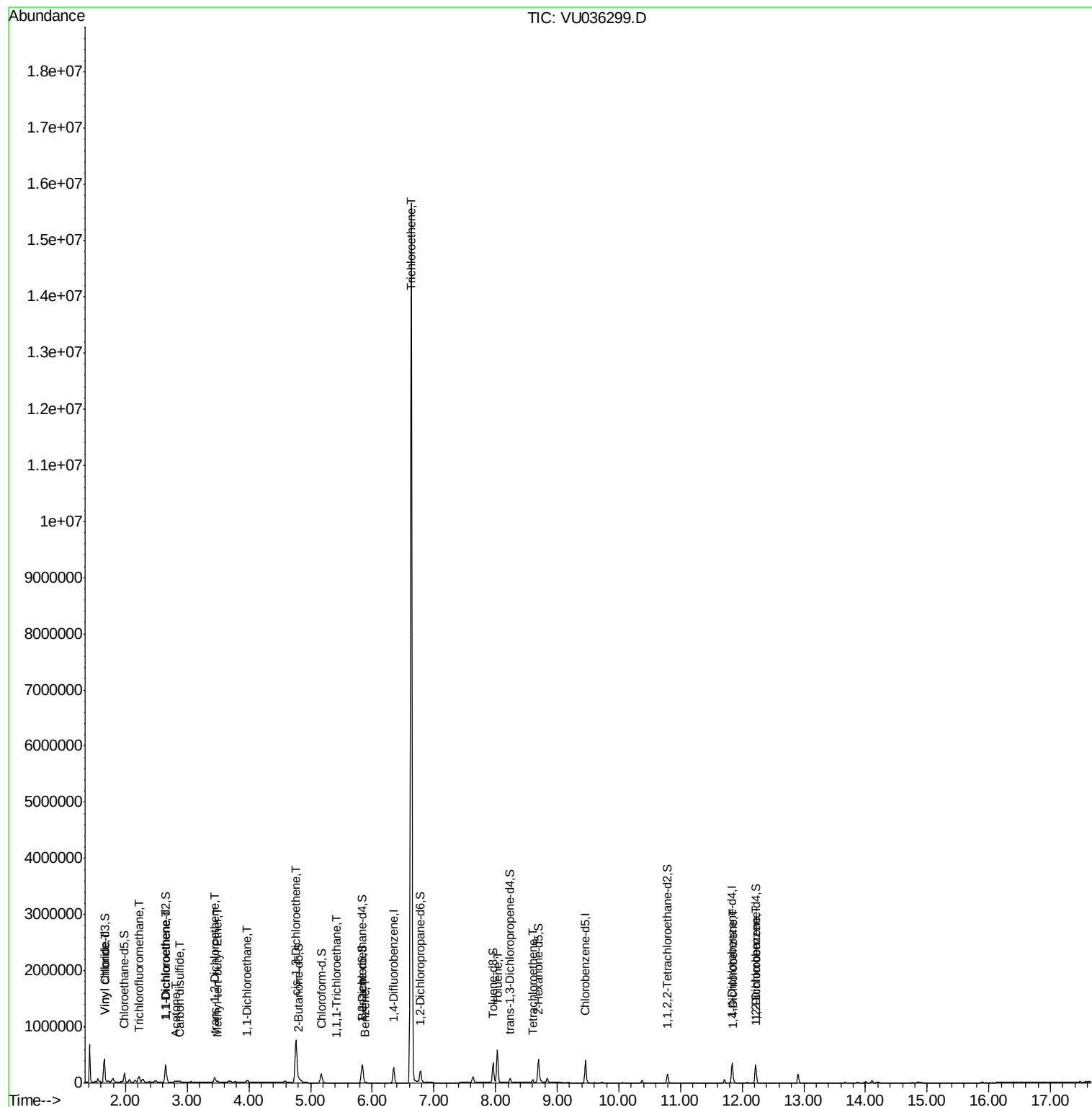
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
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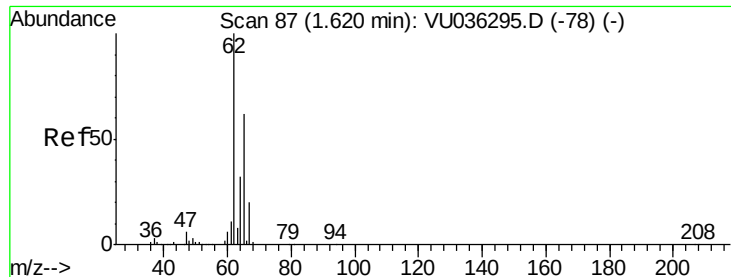
Instrument :
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.326 ug/L

RT: 1.66 min Scan# 101

Delta R.T. 0.05 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Instrument :

MSVOA_U

ClientSampled :

BFDX2

Tot Ion: 62 Resp: 9331

Ion Ratio Lower Upper

62 100

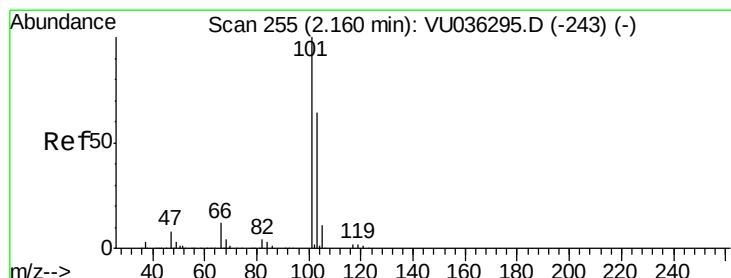
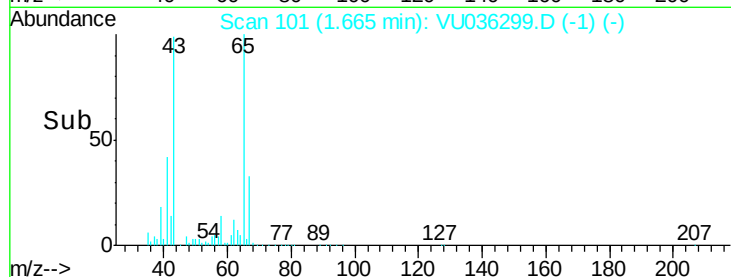
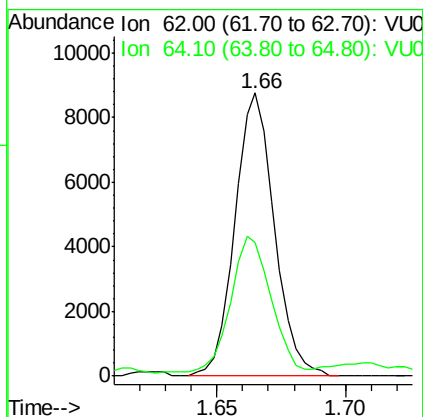
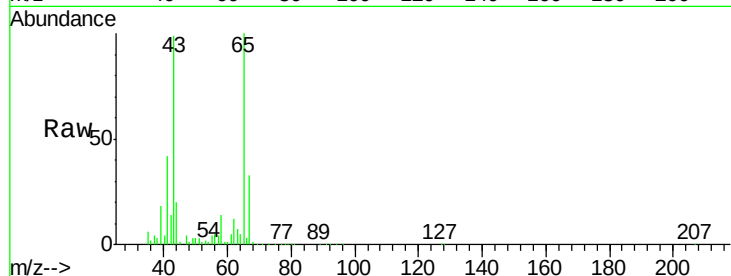
64 47.1 22.4 41.6#

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#9

Trichlorofluoromethane

Concen: 1.305 ug/L

RT: 2.21 min Scan# 270

Delta R.T. 0.05 min

Lab File: VU036299.D

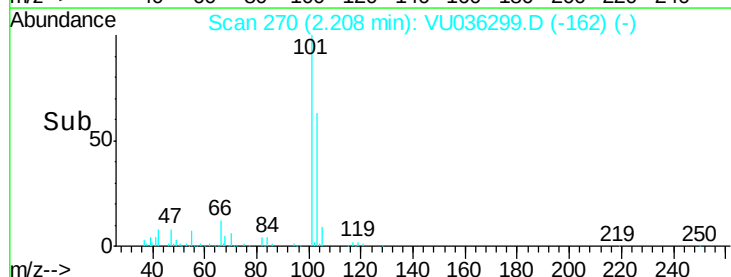
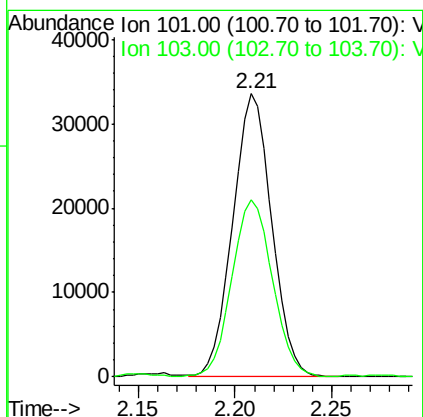
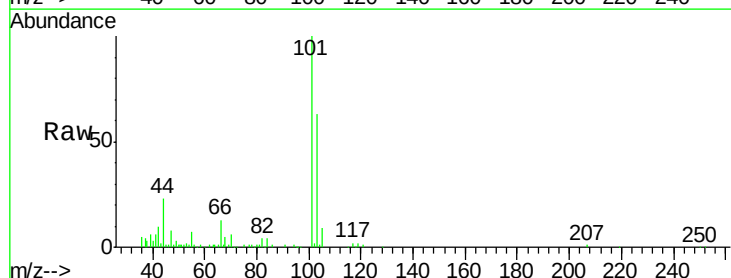
Acq: 19 Dec 2019 22:07

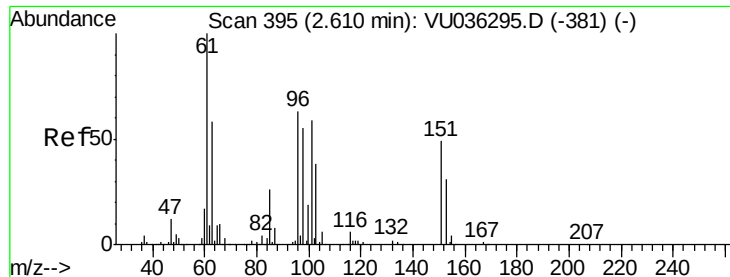
Tgt Ion: 101 Resp: 47039

Ion Ratio Lower Upper

101 100

103 65.0 50.4 75.6





#12

1,1-Dichloroethene

Concen: 2.009 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.05 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Instrument :

MSVOA_U

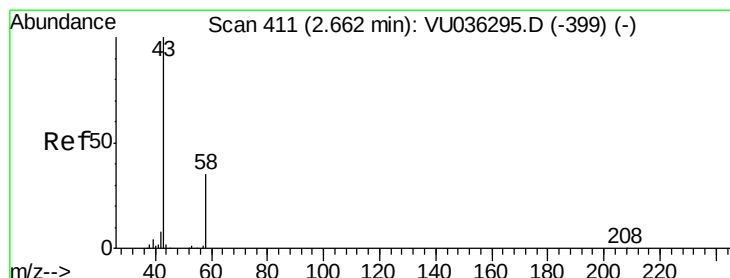
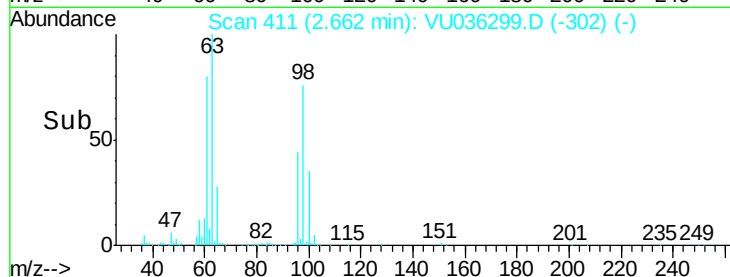
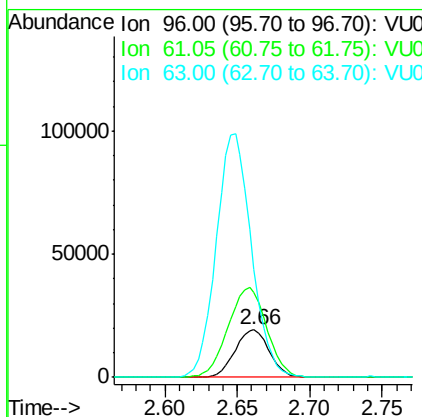
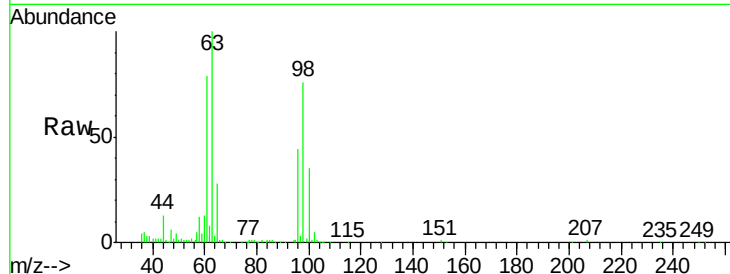
ClientSampled :

BFDX2

Tot Ion:	96	Resp:	32091
Ion Ratio	Lower	Upper	
96	100		
61	178.7	114.0	211.8
63	225.8	63.6	118.0#

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#13

Acetone

Concen: 12.048 ug/L m

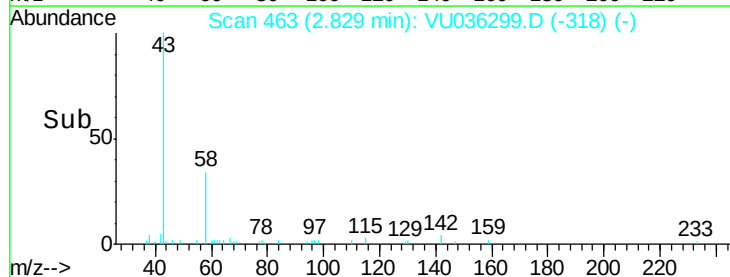
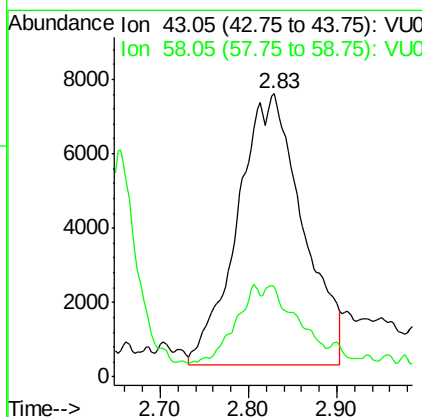
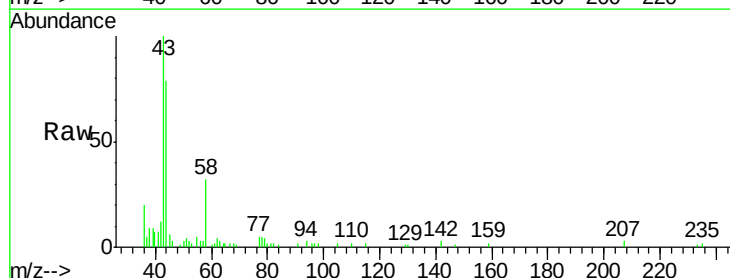
RT: 2.83 min Scan# 463

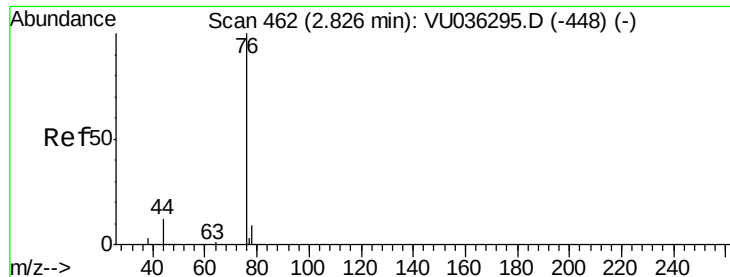
Delta R.T. 0.17 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Tgt Ion:	43	Resp:	37296
Ion Ratio	Lower	Upper	
43	100		
58	11.2	0.0	67.6





#14

Carbon disulfide

Concen: 0.259 ug/L

RT: 2.87 min Scan# 477

Delta R.T. 0.05 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Instrument :

MSVOA_U

ClientSampleId :

BFDX2

Tot Ion: 76 Resp: 13867

Ion Ratio Lower Upper

76 100

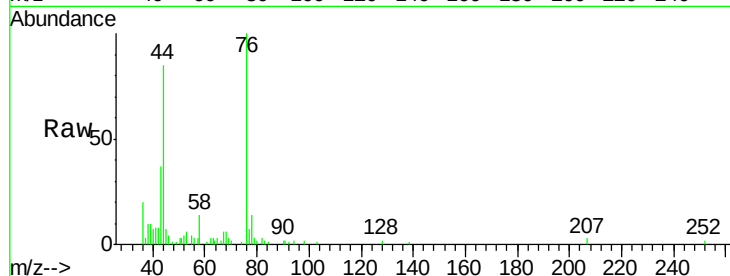
78 14.0 7.1 10.7#

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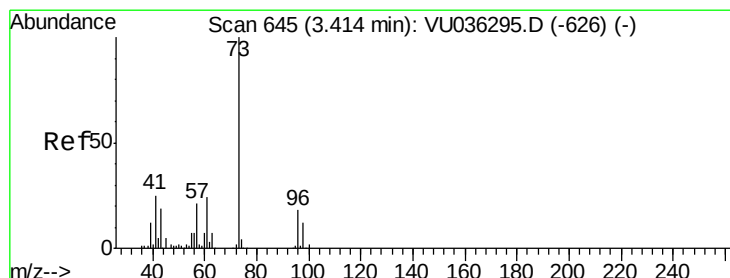
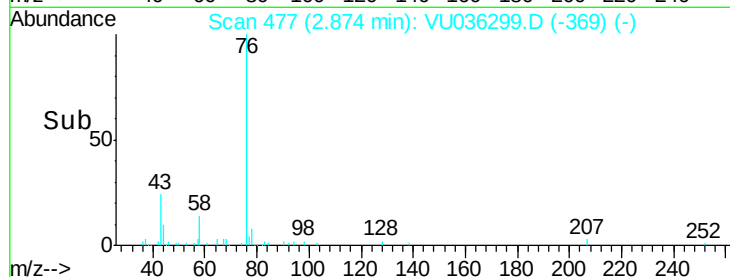
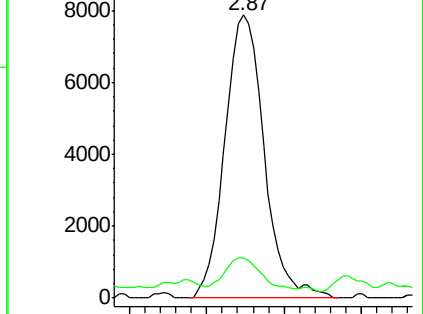
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Abundance Ion 76.05 (75.75 to 76.75): VU036299.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU036299.D (-448) (-)



#17

Methyl tert-butyl Ether

Concen: 0.439 ug/L

RT: 3.50 min Scan# 671

Delta R.T. 0.08 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

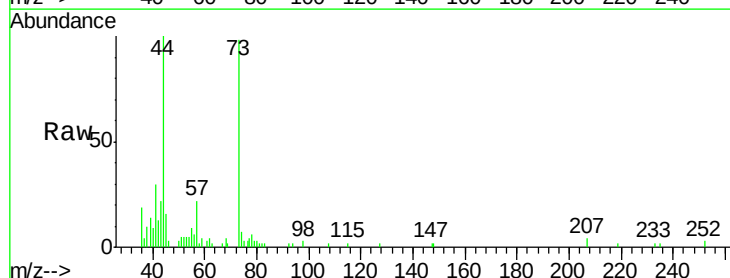
Tgt Ion: 73 Resp: 15032

Ion Ratio Lower Upper

73 100

43 17.5 15.3 22.9

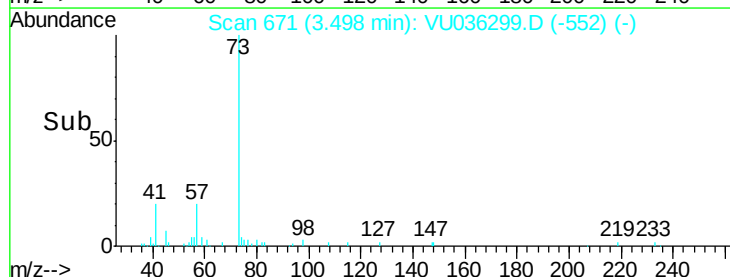
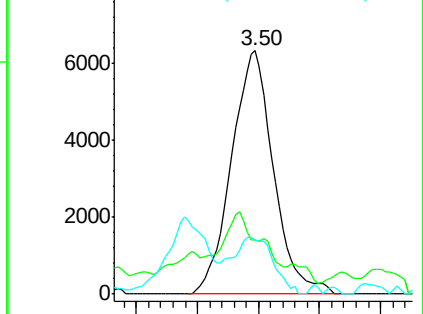
57 23.0 18.2 27.2

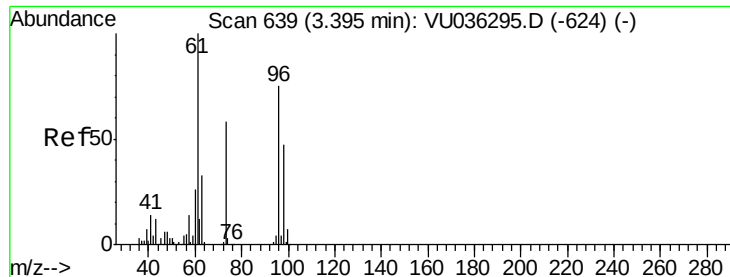


Abundance Ion 73.10 (72.80 to 73.80): VU036299.D (-626) (-)

Ion 43.05 (42.75 to 43.75): VU036299.D (-626) (-)

Ion 57.10 (56.80 to 57.80): VU036299.D (-626) (-)





#18

trans-1,2-Dichloroethene

Concen: 1.885 ug/L

RT: 3.44 min Scan# 654

Delta R.T. 0.05 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Instrument :

MSVOA_U

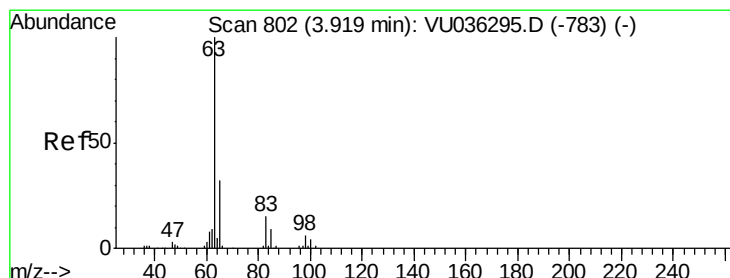
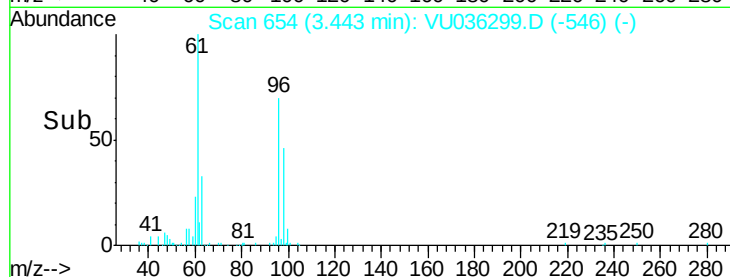
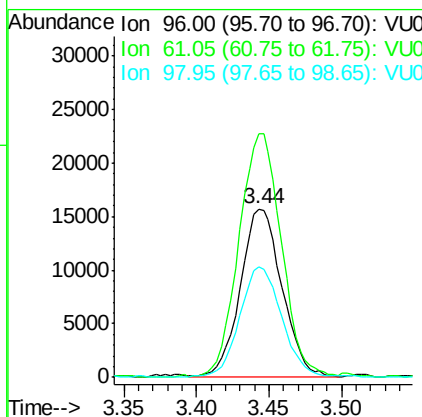
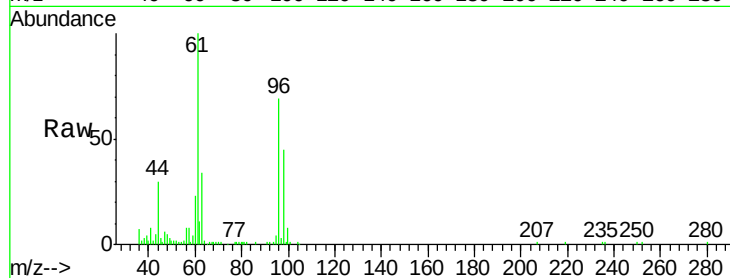
ClientSampleId :

BFDX2

Tot Ion:	96	Resp:	31534
Ion	Ratio	Lower	Upper
96	100		
61	144.4	94.8	176.2
98	65.5	46.8	86.8

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#19

1,1-Dichloroethane

Concen: 0.625 ug/L

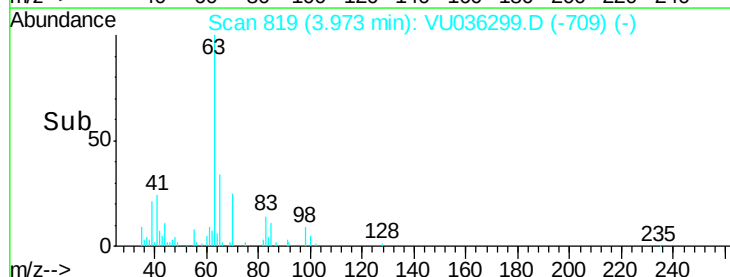
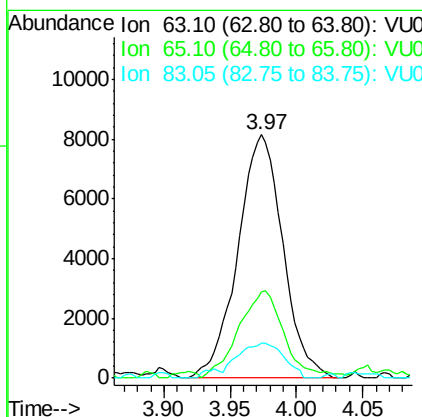
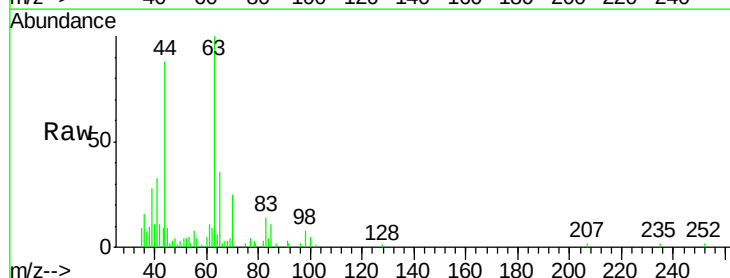
RT: 3.97 min Scan# 819

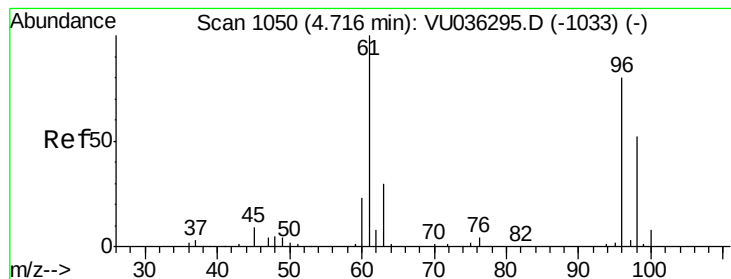
Delta R.T. 0.05 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Tgt Ion:	63	Resp:	19309
Ion	Ratio	Lower	Upper
63	100		
65	35.6	22.6	42.0
83	14.2	9.7	18.1





#22

cis-1,2-Dichloroethene

Concen: 22.539 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. 0.05 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Instrument :

MSVOA_U

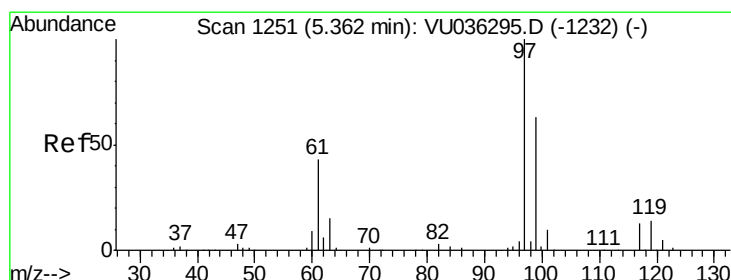
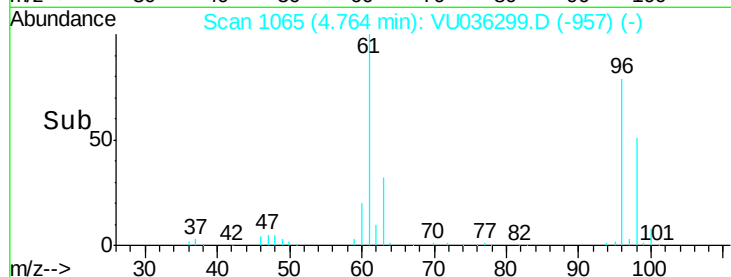
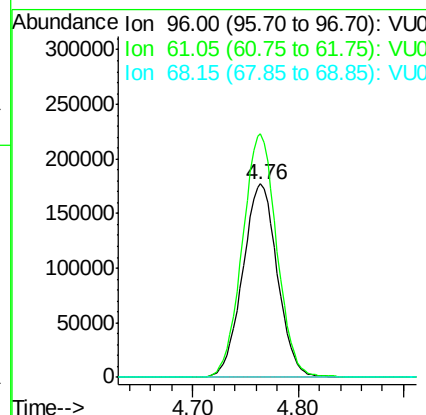
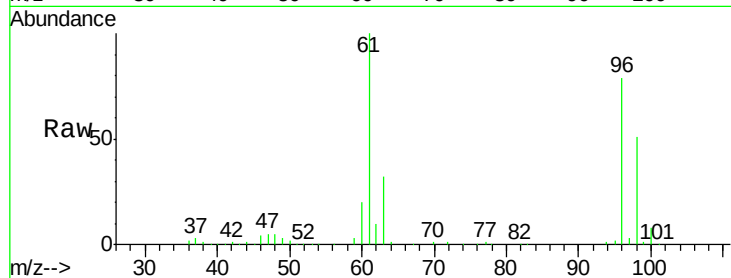
ClientSampleID :

BFDX2

Tot Ion:	96	Resp:	404448
Ion	Ratio	Lower	Upper
96	100		
61	126.0	86.7	161.1
68	0.0	0.0	0.0

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#29

1,1,1-Trichloroethane

Concen: 0.090 ug/L

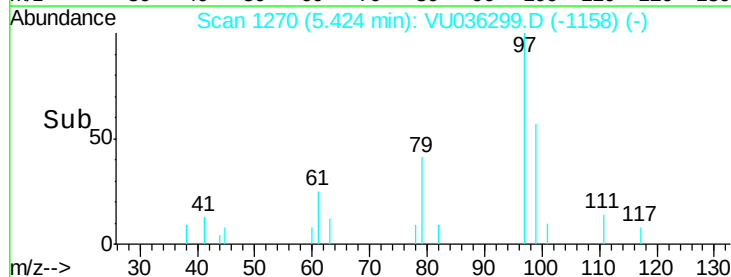
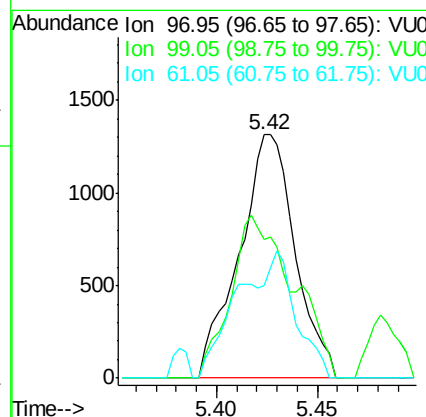
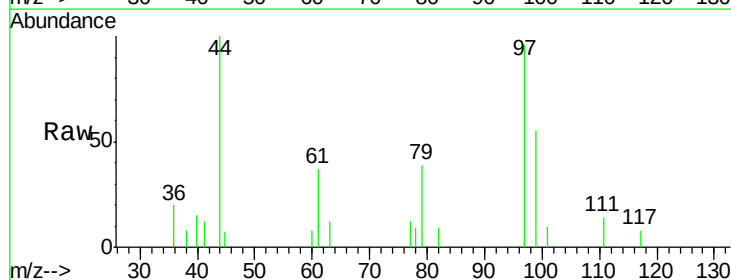
RT: 5.42 min Scan# 1270

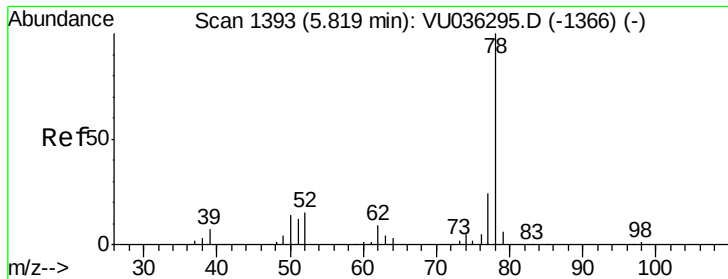
Delta R.T. 0.06 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Tgt Ion:	97	Resp:	2546
Ion	Ratio	Lower	Upper
97	100		
99	13.6	51.4	77.2#
61	29.1	35.0	52.6#





#33

Benzene

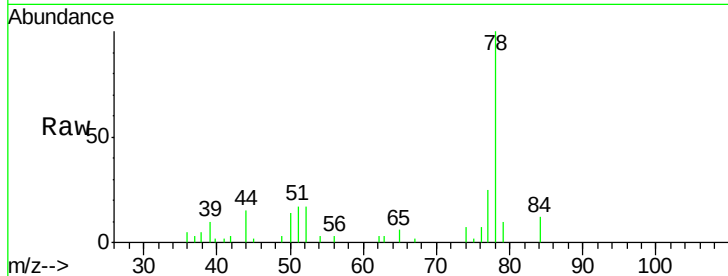
Concen: 0.182 ug/L m
RT: 5.89 min Scan# 1415
Delta R.T. 0.07 min
Lab File: VU036299.D
Acq: 19 Dec 2019 22:07

Instrument :
MSVOA_U
ClientSampleId :
BFDX2

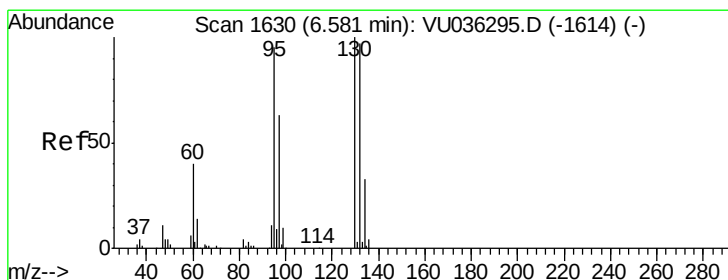
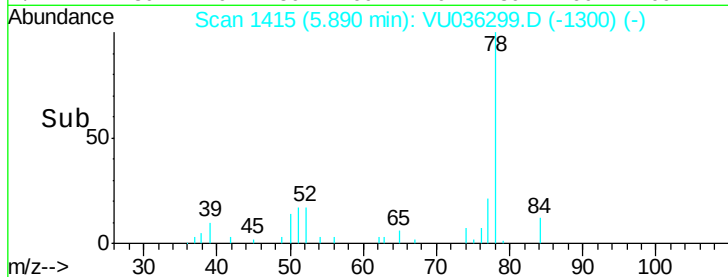
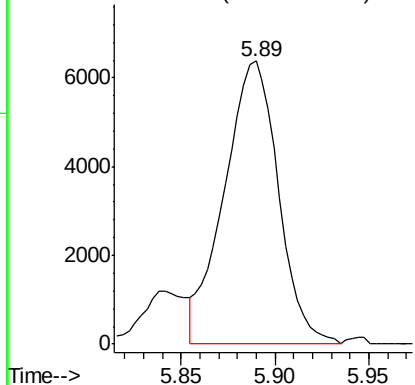
Tgt Ion: 78 Resp: 12800

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Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

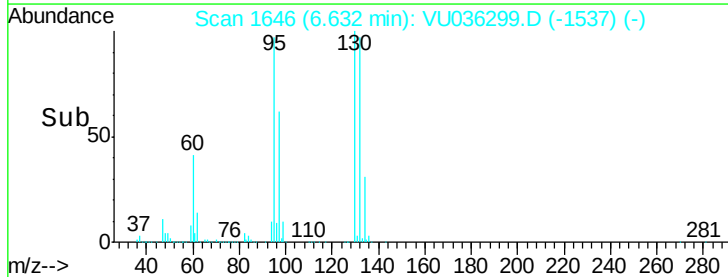
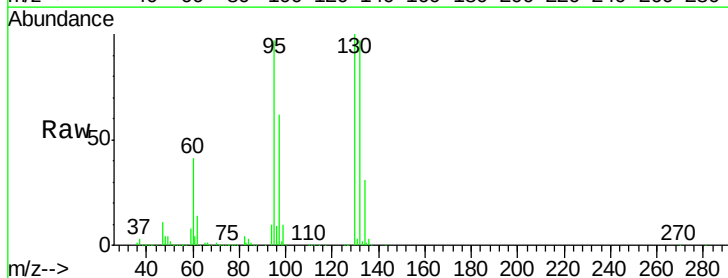
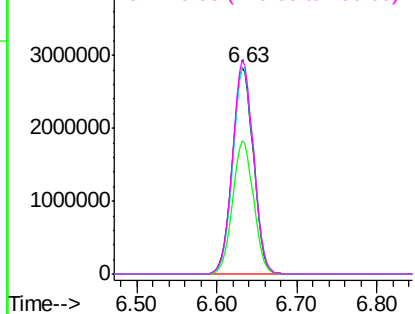
Concen: 277.213 ug/L
RT: 6.63 min Scan# 1646
Delta R.T. 0.05 min
Lab File: VU036299.D
Acq: 19 Dec 2019 22:07

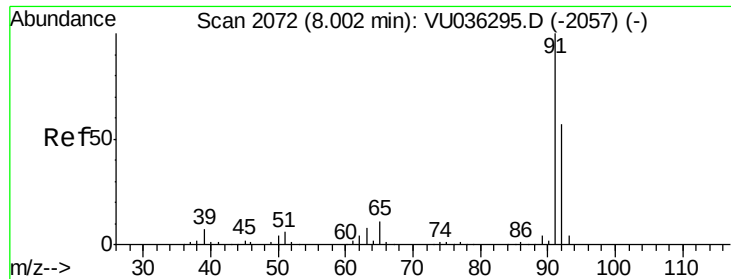
Tgt Ion: 95 Resp: 5024528

Ion	Ratio	Lower	Upper
95	100		
97	64.3	43.6	81.0
132	100.5	69.6	129.2
130	103.4	70.3	130.7

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





#42

Toluene

Concen: 5.554 ug/L

RT: 8.03 min Scan# 2080

Delta R.T. 0.03 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Instrument :

MSVOA_U

ClientSampled :

BFDX2

Tot Ion: 91 Resp: 418511

Ion Ratio Lower Upper

91 100

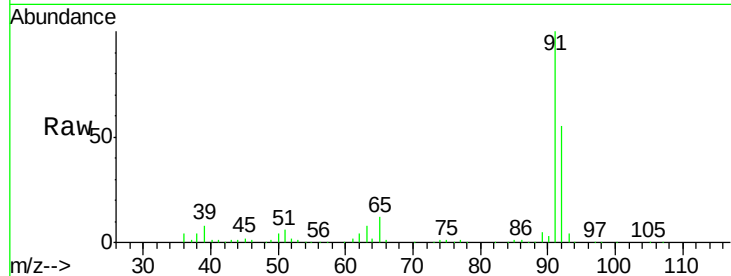
92 54.8 41.2 76.6

Manual Integrations

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Abundance Ion 91.15 (90.85 to 91.85): VU036299.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036299.D (-2057) (-)

8.03

250000

200000

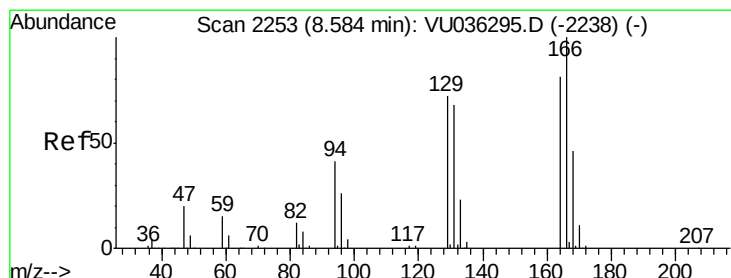
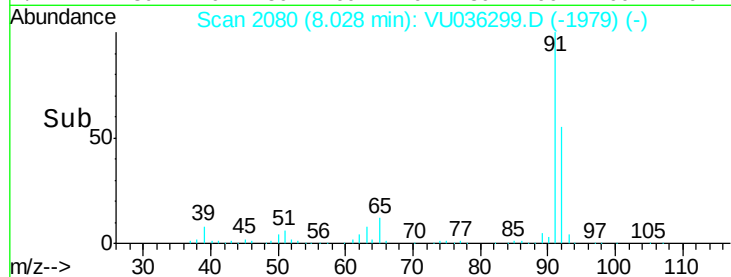
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 0.653 ug/L

RT: 8.60 min Scan# 2259

Delta R.T. 0.02 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Tgt Ion: 164 Resp: 10682

Ion Ratio Lower Upper

164 100

129 97.2 64.2 119.2

131 99.3 66.6 123.8

166 136.2 93.1 172.9

Abundance Ion 163.90 (163.60 to 164.60): VU036299.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU036299.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU036299.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU036299.D (-2160) (-)

12000

10000

8000

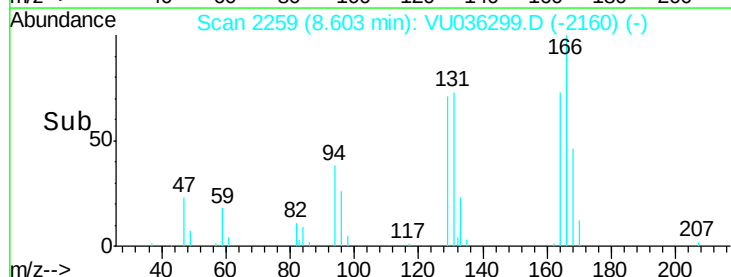
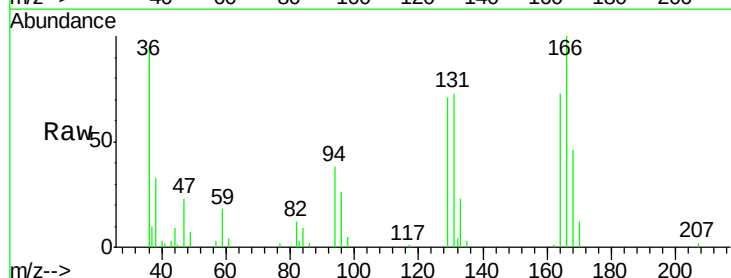
6000

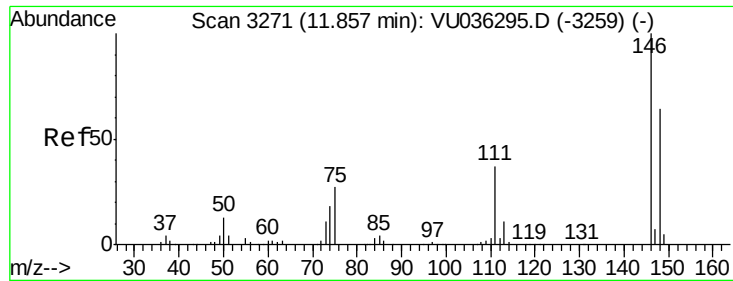
4000

2000

0

Time-->





#63

1,4-Dichlorobenzene

Concen: 0.553 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Instrument :

MSVOA_U

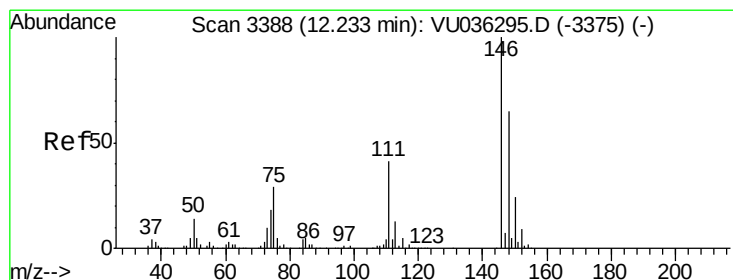
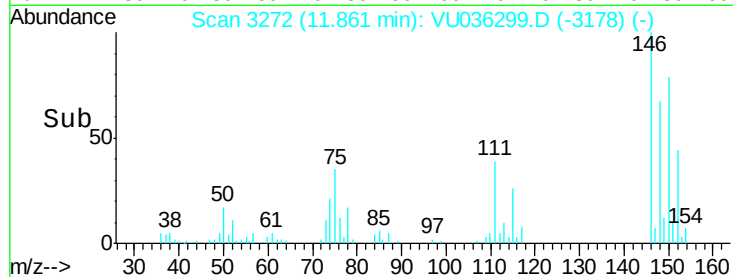
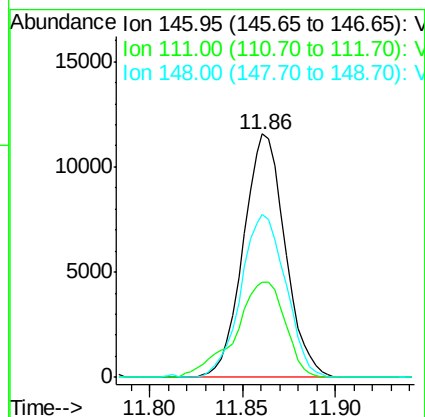
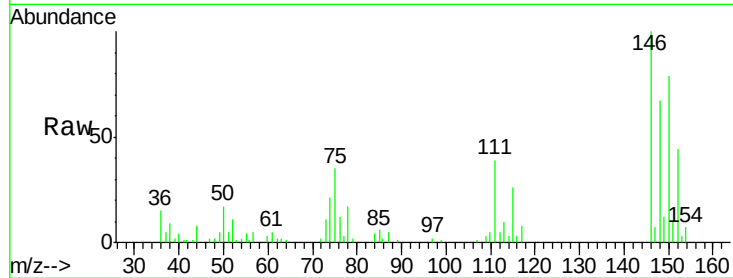
ClientSampleId :

BFDX2

Tot Ion:	146	Resp:	18085
Ion Ratio	Lower	Upper	
146	100		
111	39.3	25.8	48.0
148	67.0	44.7	82.9

Manual Integrations
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#65

1,2-Dichlorobenzene

Concen: 0.383 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU036299.D

Acq: 19 Dec 2019 22:07

Tgt Ion:	146	Resp:	12033
Ion Ratio	Lower	Upper	
146	100		
111	41.7	32.5	48.7
148	61.6	49.2	73.8

