

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121219\
 Data File : VU036186.D
 Acq On : 13 Dec 2019 06:54
 Operator : JC/MD
 Sample : K6240-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQW9

Manual Integrations
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 12/13/2019 3:58:58 PM

Quant Time: Dec 13 08:22:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 13 04:38:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	254532	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	268008	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	110578	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	104983	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.93	69	102650	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.59	63	111279	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.70	46	218033	52.61	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.22%
24) Chloroform-d	5.11	84	175644	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.75	65	93404	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.77	84	329686	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.73	67	108596	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.93	98	261757	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.21	79	33560	3.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.00%
46) 2-Hexanone-d5	8.68	63	157683	46.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.06%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	95418	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	106097	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	30868	0.908	ug/L 94
8) Chloroethane	1.95	64	14065	0.672	ug/L 96
13) Acetone	2.68	43	60901	16.893	ug/L 97
15) Methyl Acetate	3.00	43	4746	0.617	ug/L 98
16) Methylene chloride	3.08	84	5645	0.210	ug/L 96
19) 1,1-Dichloroethane	3.92	63	70233	1.919	ug/L 98
21) 2-Butanone	4.78	43	6694m	1.393	ug/L
22) cis-1,2-Dichloroethene	4.72	96	48661	2.376	ug/L 96
29) 1,1,1-Trichloroethane	5.36	97	26524	0.807	ug/L 97
33) Benzene	5.82	78	46252	0.561	ug/L 100
34) Trichloroethene	6.58	95	4101	0.195	ug/L 91
42) Toluene	8.00	91	22688	0.260	ug/L 96
51) Chlorobenzene	9.47	112	36328	0.639	ug/L 98
53) m,p-Xylene	9.72	106	5266	0.158	ug/L 100
54) o-Xylene	10.13	106	2964	0.093	ug/L 82
63) 1,4-Dichlorobenzene	11.86	146	3907	0.110	ug/L 96
65) 1,2-Dichlorobenzene	12.23	146	4405	0.126	ug/L # 86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121219\
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Sample : K6240-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Dec 13 08:22:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 04:38:02 2019
Response via : Initial Calibration

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

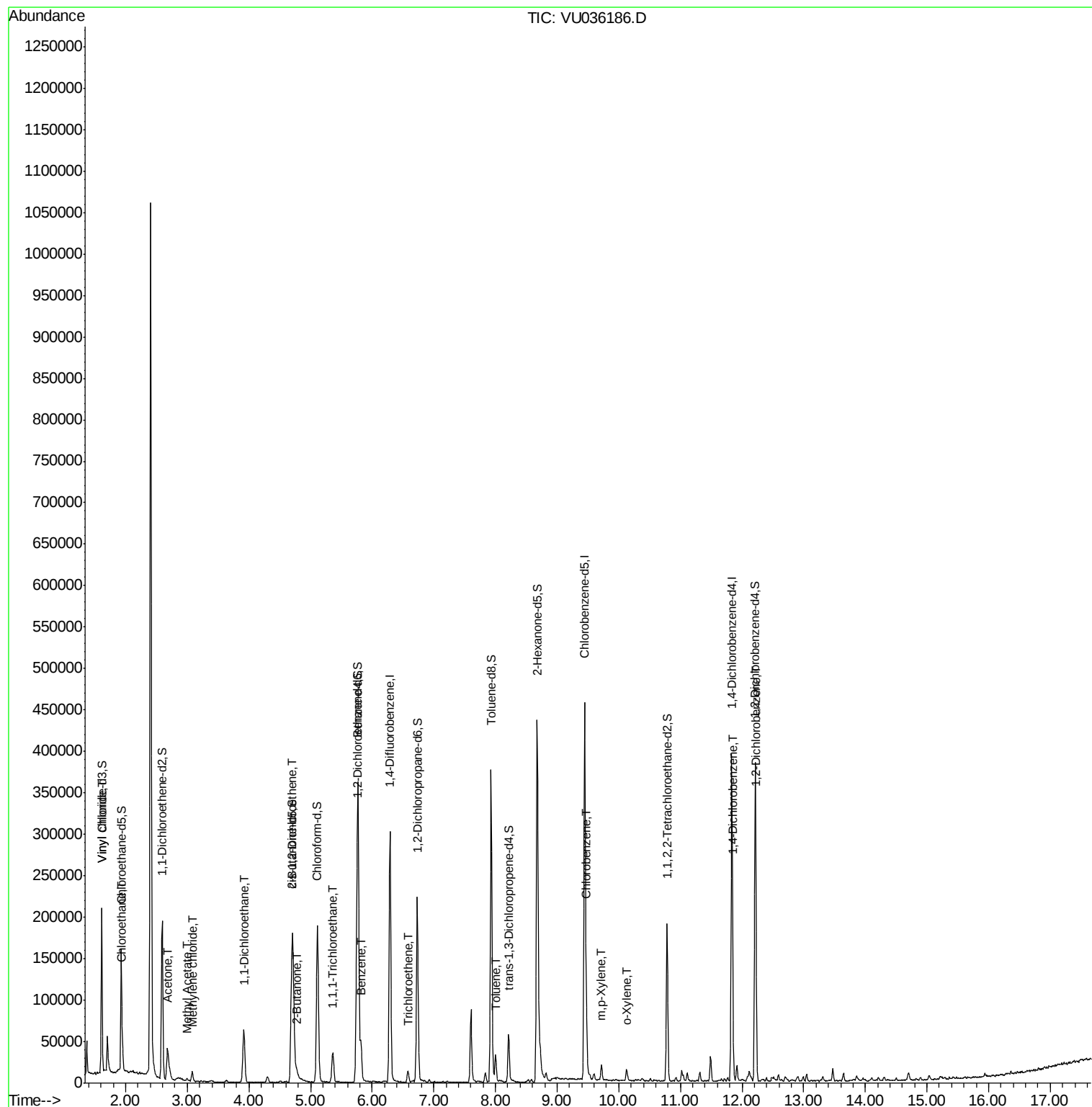
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Data File : VU036186.D
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Operator : JC/MD
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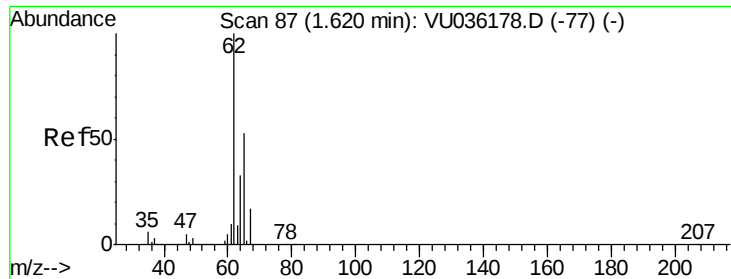
Instrument :
MSVOA_U
ClientSampleId :
BFQW9

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Quant Time: Dec 13 08:22:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 04:38:02 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.908 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036186.D

Acq: 13 Dec 2019 06:54

Instrument :

MSVOA_U

ClientSampleId :

BFQW9

Tot Ion: 62 Resp: 30868

Ion Ratio Lower Upper

62 100

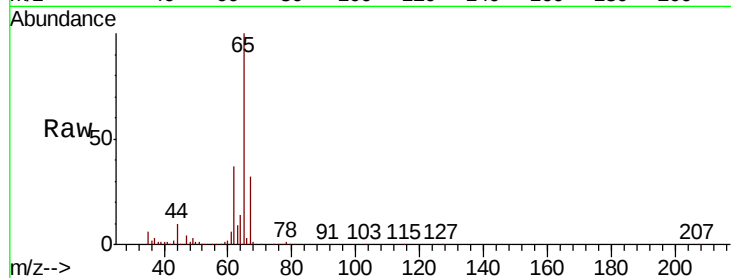
64 37.5 24.0 44.6

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VU036186.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU036186.D (-1) (-)

30000

25000

20000

15000

10000

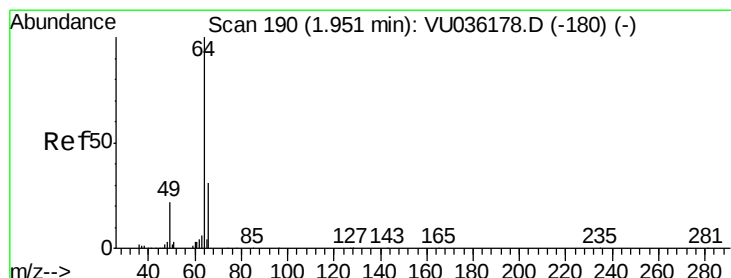
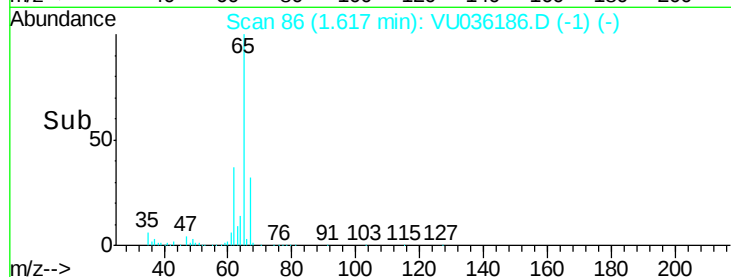
5000

0

1.60

1.65

Time-->



#8

Chloroethane

Concen: 0.672 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036186.D

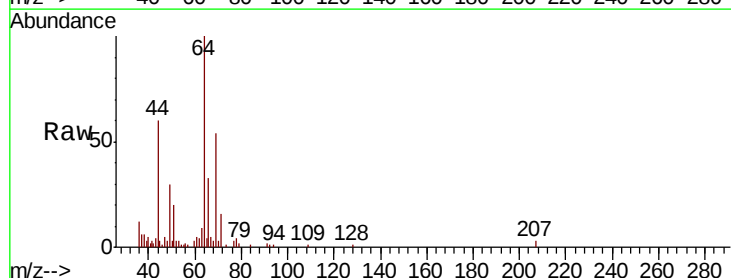
Acq: 13 Dec 2019 06:54

Tgt Ion: 64 Resp: 14065

Ion Ratio Lower Upper

64 100

66 33.5 22.0 41.0



Abundance Ion 64.10 (63.80 to 64.80): VU036186.D (-97) (-)

Ion 66.05 (65.75 to 66.75): VU036186.D (-97) (-)

12000

10000

8000

6000

4000

2000

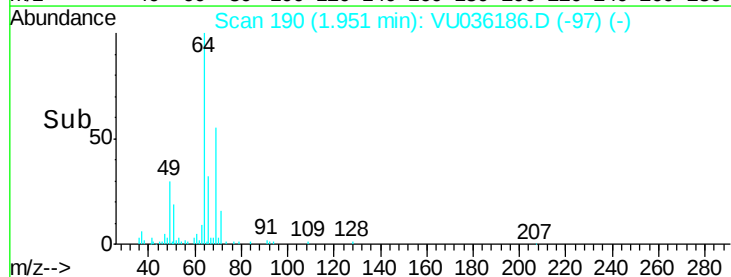
0

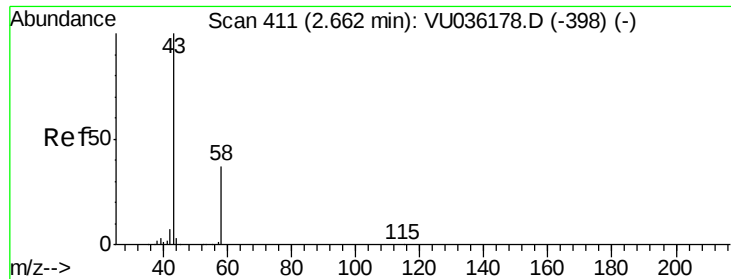
1.90

1.95

2.00

Time-->





#13

Acetone

Concen: 16.893 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.02 min

Lab File: VU036186.D

Acq: 13 Dec 2019 06:54

Instrument :

MSVOA_U

ClientSampleId :

BFQW9

Tot Ion: 43 Resp: 60901

Ion Ratio Lower Upper

43 100

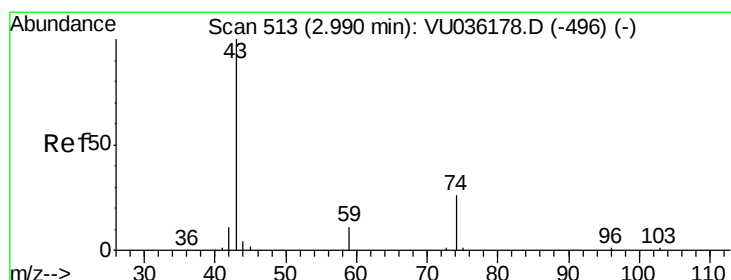
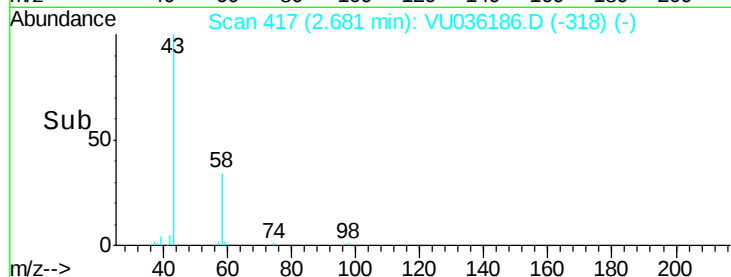
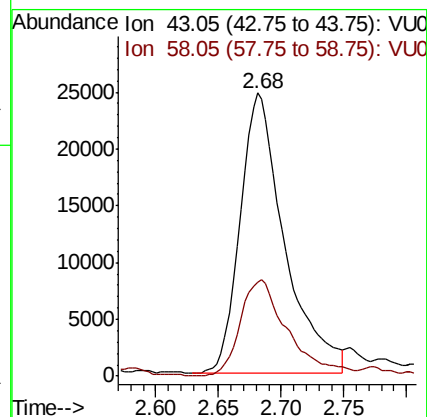
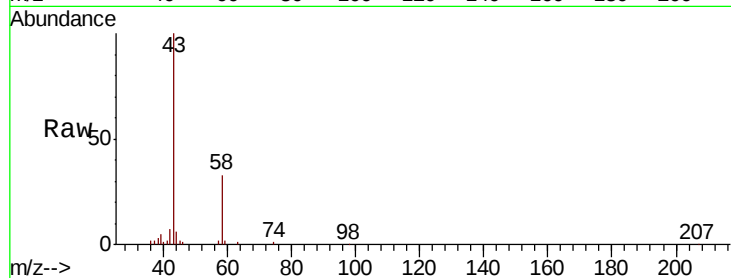
58 36.7 0.0 70.0

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#15

Methyl Acetate

Concen: 0.617 ug/L

RT: 3.00 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU036186.D

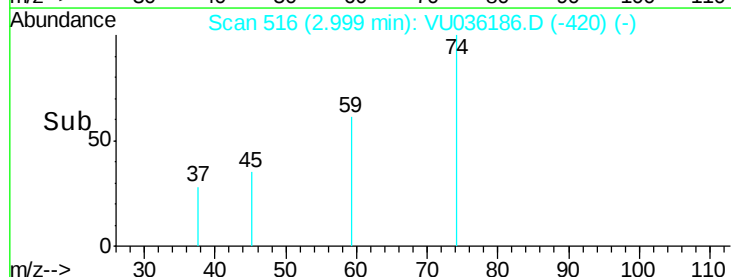
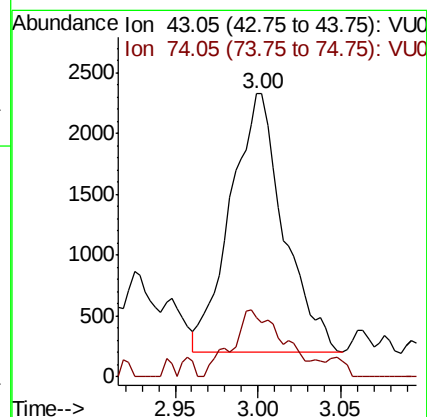
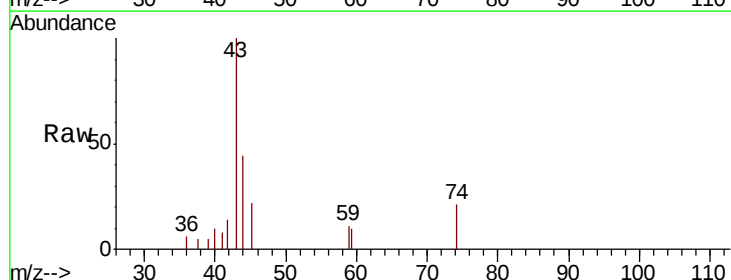
Acq: 13 Dec 2019 06:54

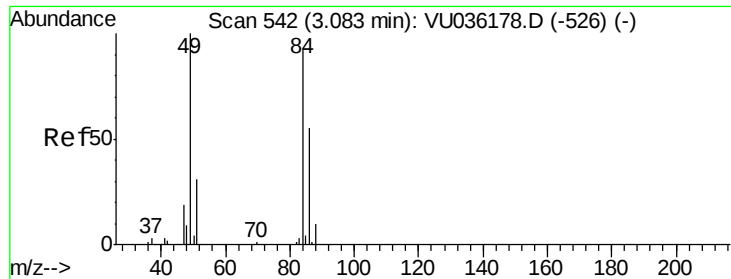
Tgt Ion: 43 Resp: 4746

Ion Ratio Lower Upper

43 100

74 24.7 20.6 30.8





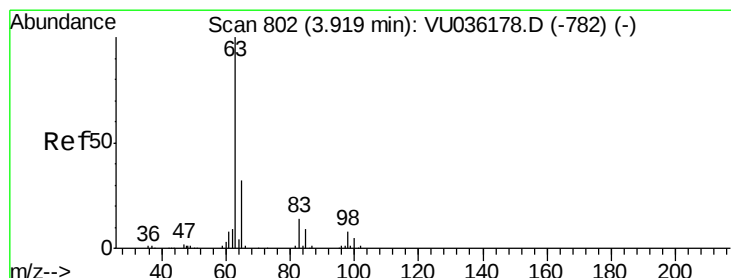
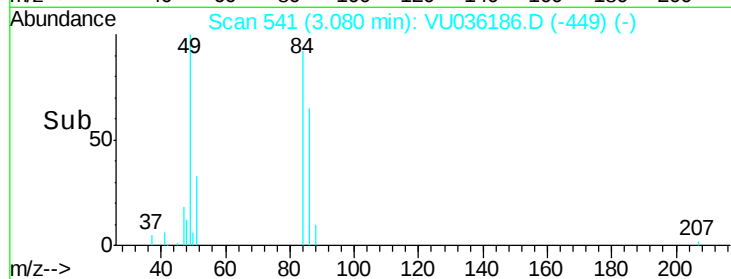
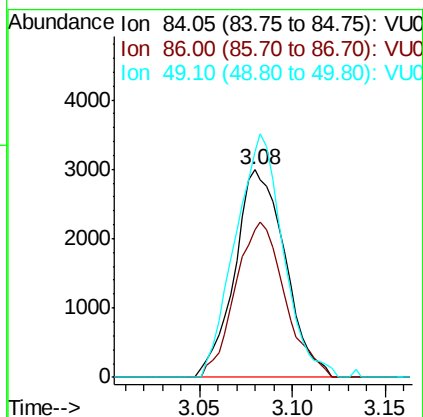
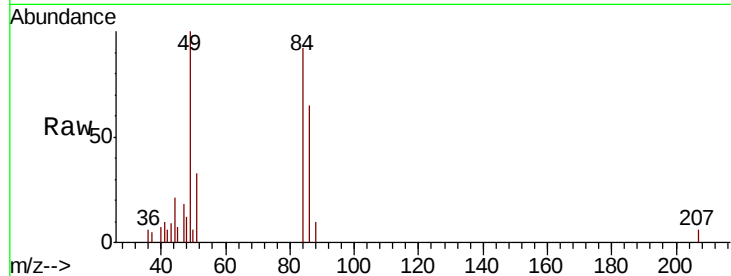
#16
Methvlene chloride
Concen: 0.210 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument :
MSVOA_U
ClientSampled :
BFQW9

Tot Ion	Ratio	Lower	Upper
84	100		
86	70.9	46.1	85.5
49	109.0	77.7	144.3

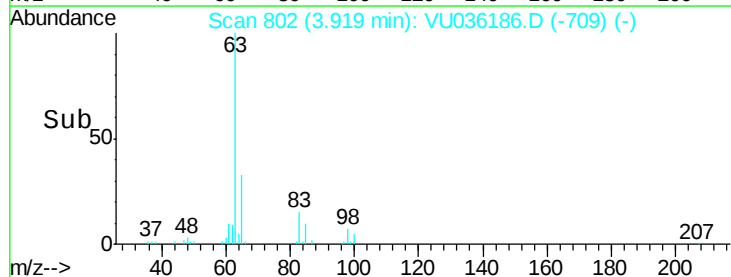
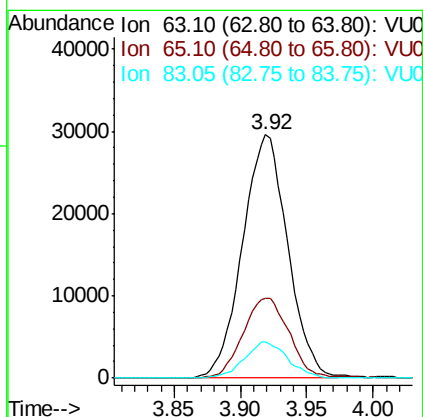
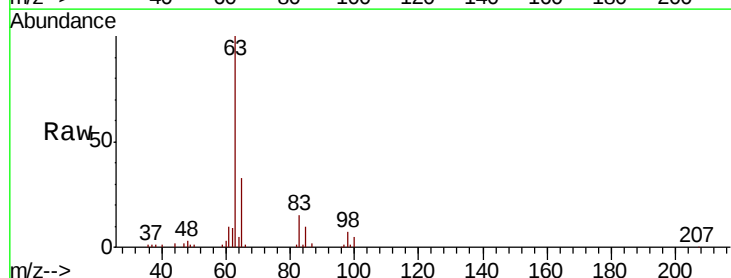
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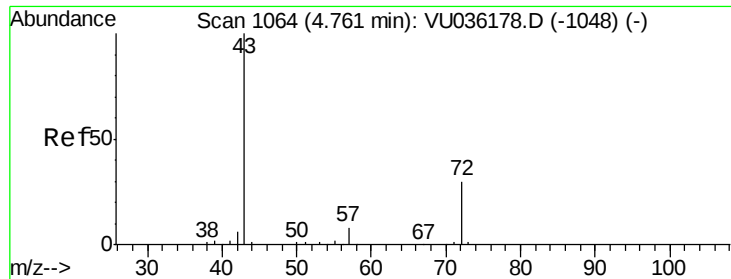
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#19
1,1-Dichloroethane
Concen: 1.919 ug/L
RT: 3.92 min Scan# 802
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.2	41.2
83	15.1	9.8	18.2





#21

2-Butanone

Concen: 1.393 ug/L m

RT: 4.78 min Scan# 1071

Delta R.T. 0.02 min

Lab File: VU036186.D

Acq: 13 Dec 2019 06:54

Instrument :

MSVOA_U

ClientSampled :

BFQW9

Tot Ion: 43 Resp: 6694

Ion Ratio Lower Upper

43 100

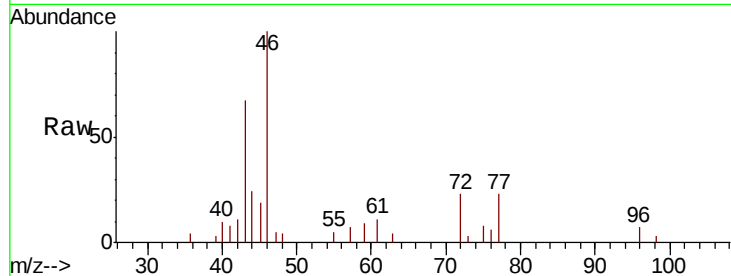
72 4.6 14.4 43.2#

Manual Integrations

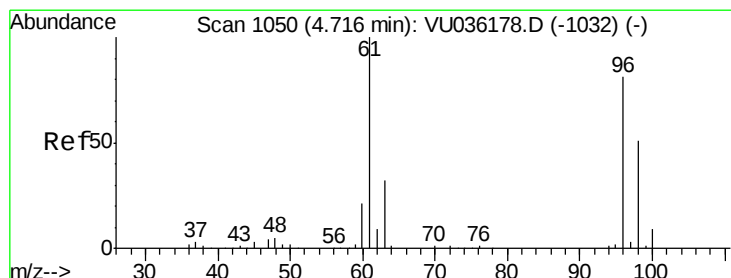
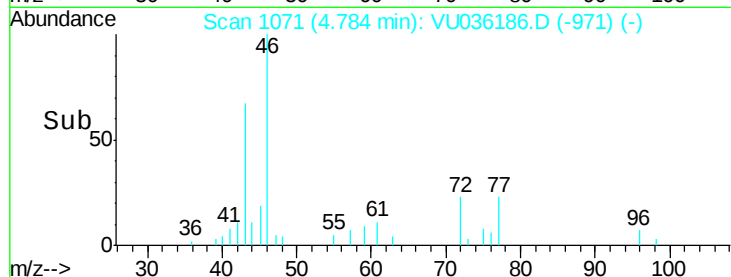
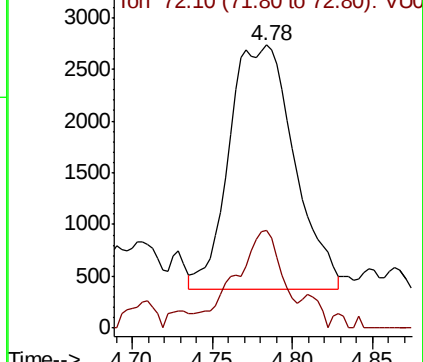
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Abundance Ion 43.05 (42.75 to 43.75): VU036186.D (-971) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.376 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036186.D

Acq: 13 Dec 2019 06:54

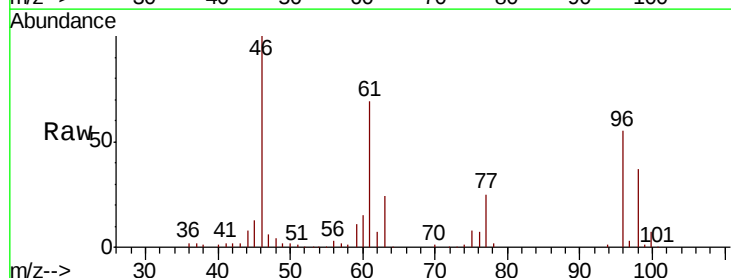
Tgt Ion: 96 Resp: 48661

Ion Ratio Lower Upper

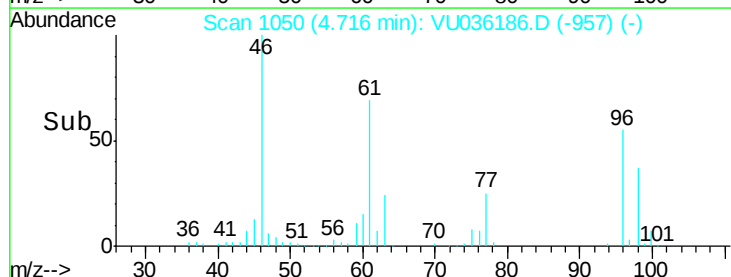
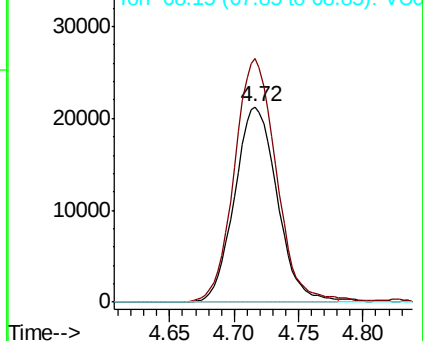
96 100

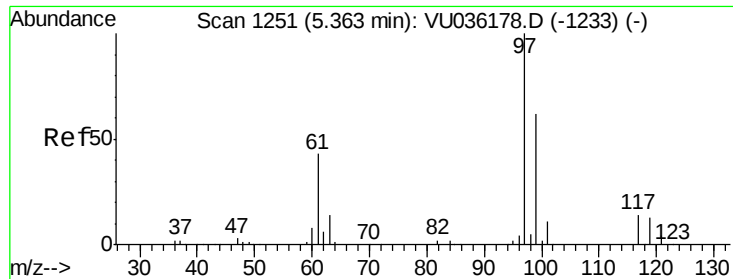
61 124.6 83.8 155.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036186.D (-957) (-)





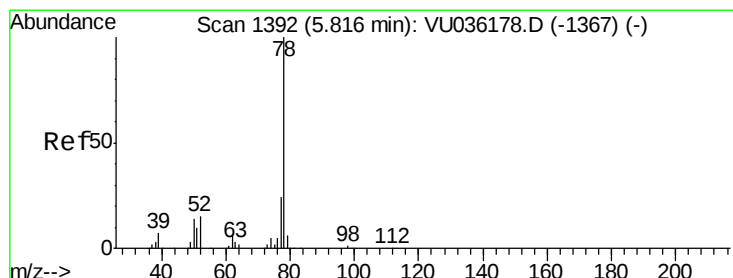
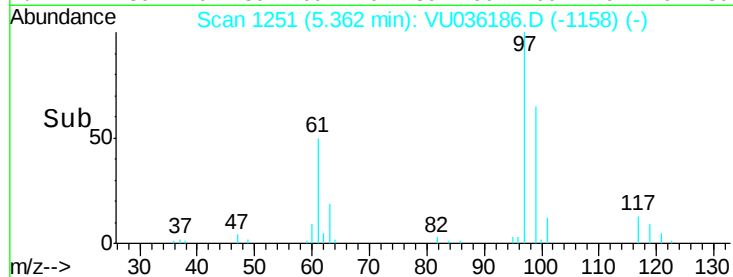
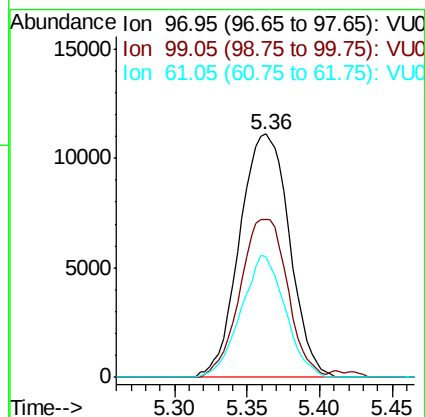
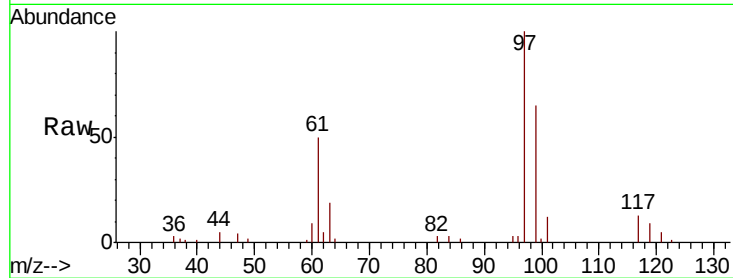
#29
 1,1,1-Trichloroethane
 Concen: 0.807 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU036186.D
 Acq: 13 Dec 2019 06:54

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQW9

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.0	52.6	79.0	
61	44.5	35.4	53.2	

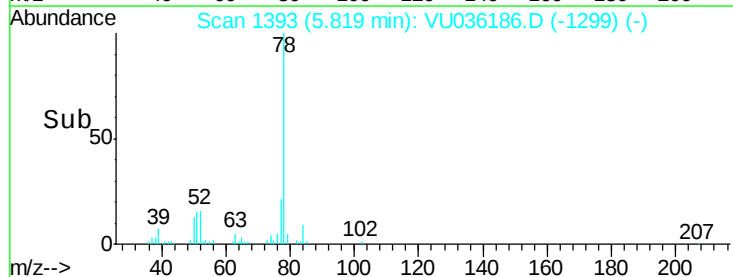
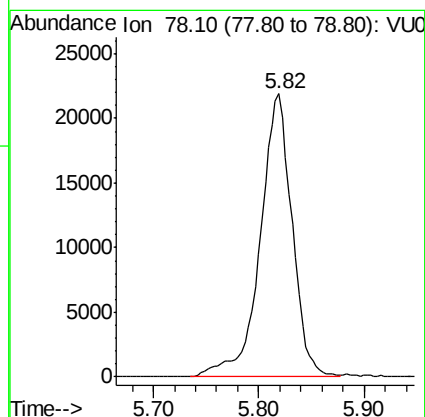
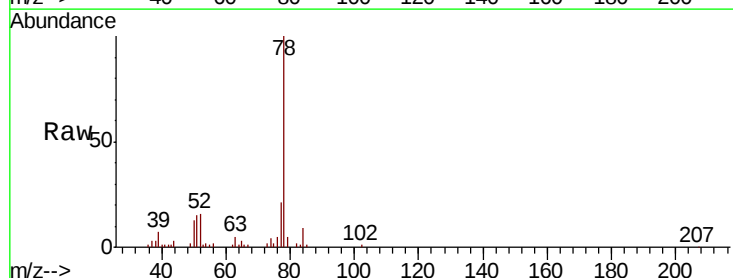
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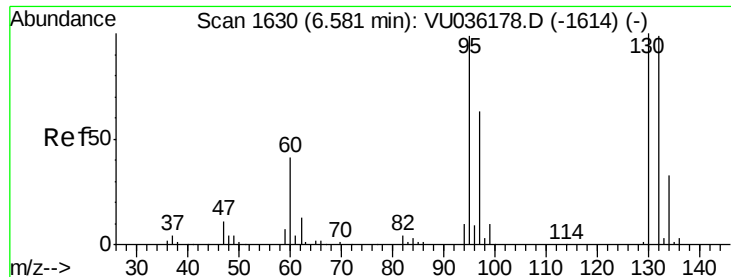
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#33
 Benzene
 Concen: 0.561 ug/L
 RT: 5.82 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VU036186.D
 Acq: 13 Dec 2019 06:54

Tgt Ion: 78 Resp: 46252





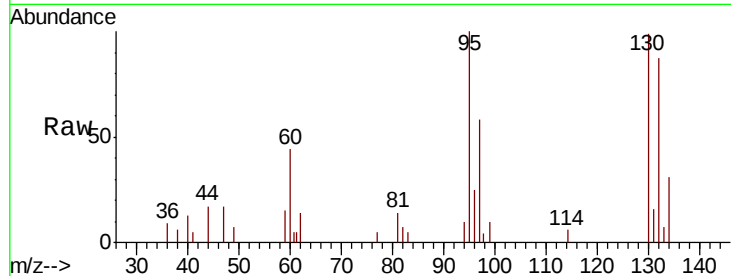
#34
 Trichloroethene
 Concen: 0.195 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU036186.D
 Acq: 13 Dec 2019 06:54

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQW9

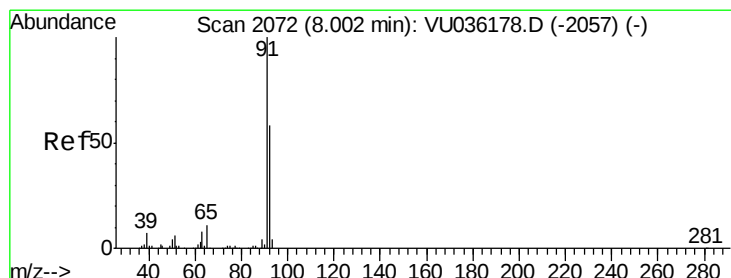
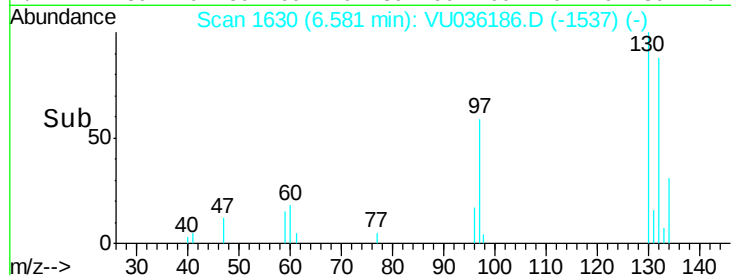
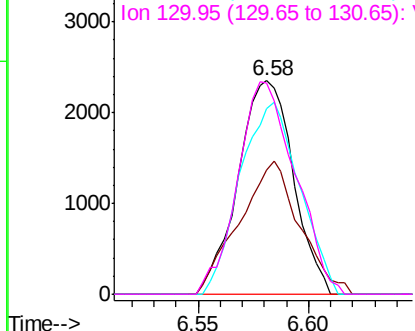
Tot Ion:	95	Resp:	4101
Ion	Ratio	Lower	Upper
95	100		
97	58.3	43.7	81.1
132	86.9	71.7	133.3
130	98.6	73.1	135.7

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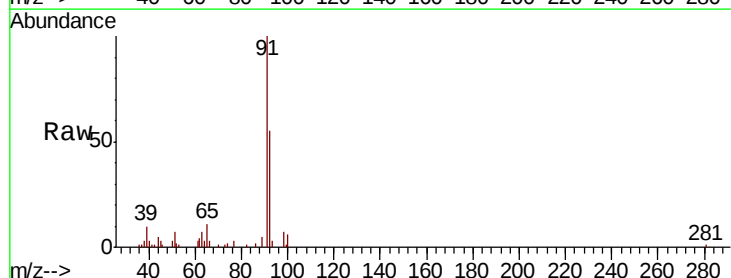


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

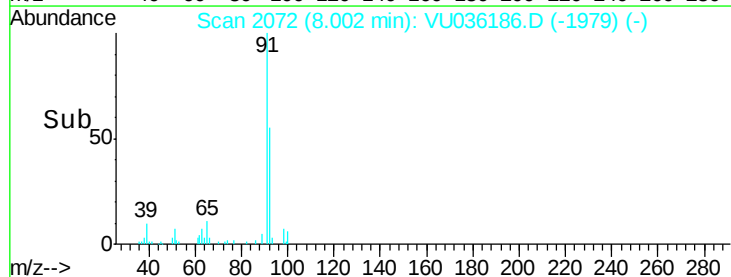
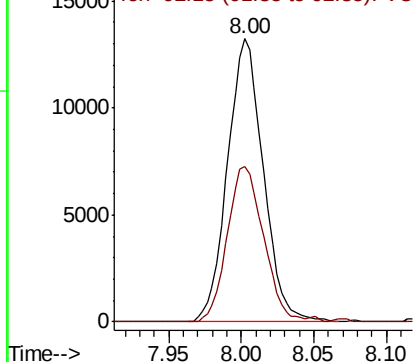


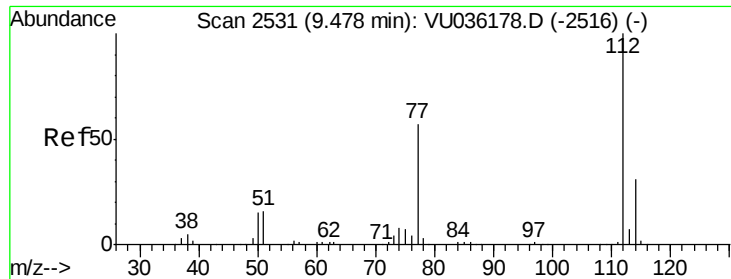
#42
 Toluene
 Concen: 0.260 ug/L
 RT: 8.00 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VU036186.D
 Acq: 13 Dec 2019 06:54

Tgt Ion:	91	Resp:	22688
Ion	Ratio	Lower	Upper
91	100		
92	55.0	40.7	75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0





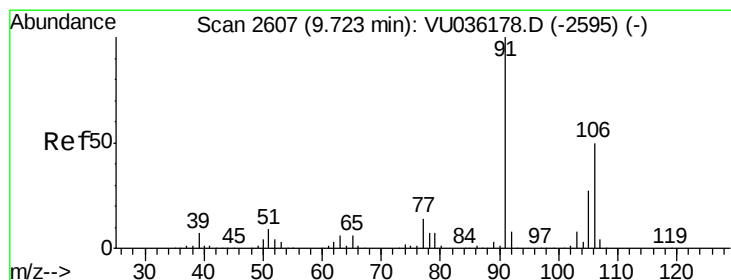
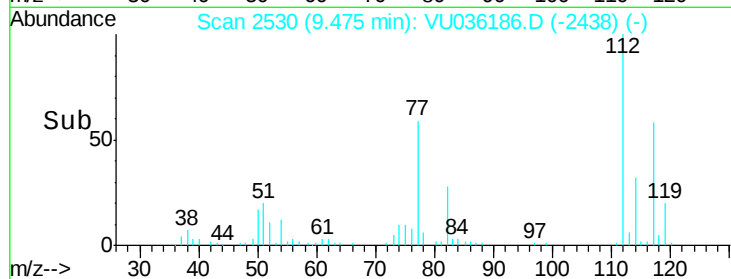
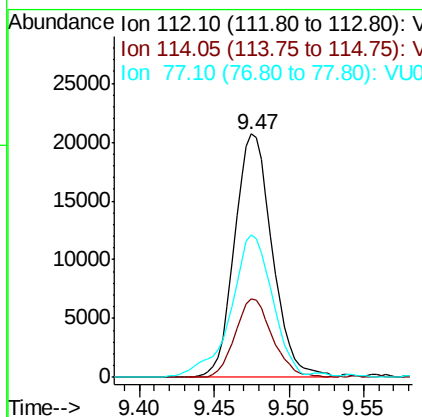
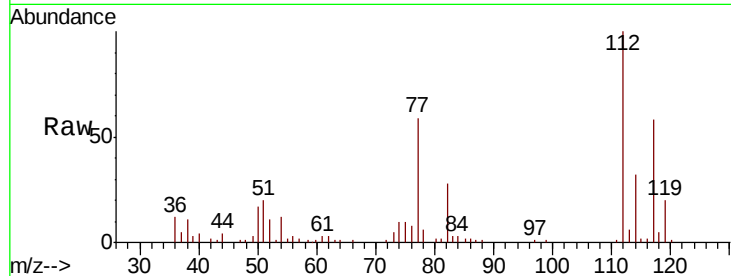
#51
Chlorobenzene
Concen: 0.639 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Instrument :
MSVOA_U
ClientSampleId :
BFQW9

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.2	41.2
77	58.8	45.7	68.5

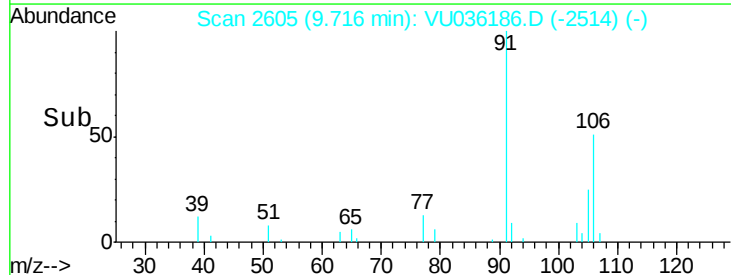
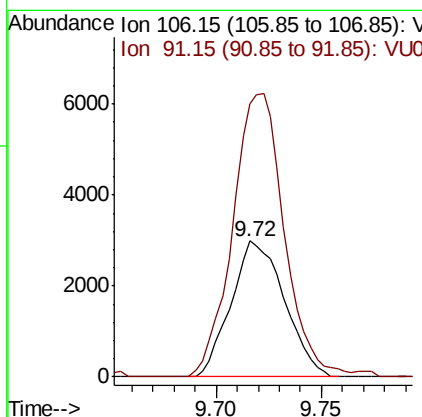
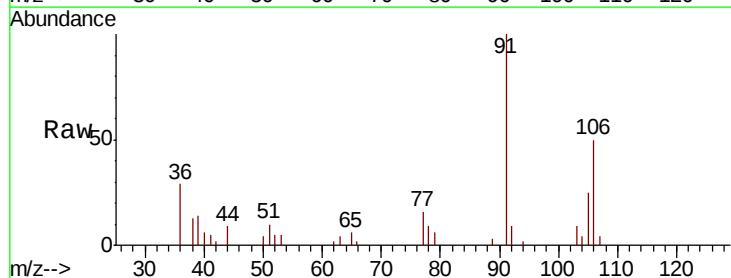
Manual Integrations
APPROVED

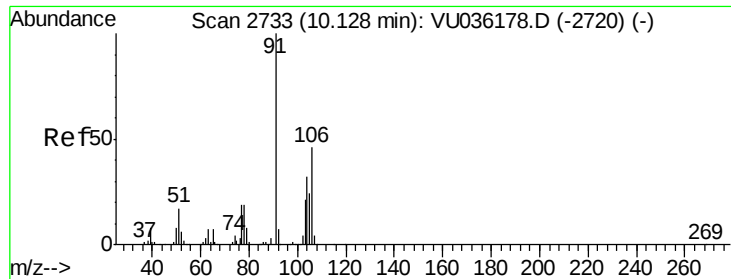
apatel
12/13/2019 3:58:58 PM



#53
m,p-Xylene
Concen: 0.158 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. -0.01 min
Lab File: VU036186.D
Acq: 13 Dec 2019 06:54

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.6	140.4	260.8





#54

o-Xylene

Concen: 0.093 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU036186.D

Acq: 13 Dec 2019 06:54

Instrument :

MSVOA_U

ClientSampled :

BFQW9

Tot Ion:106 Resp: 2964

Ion Ratio Lower Upper

106 100

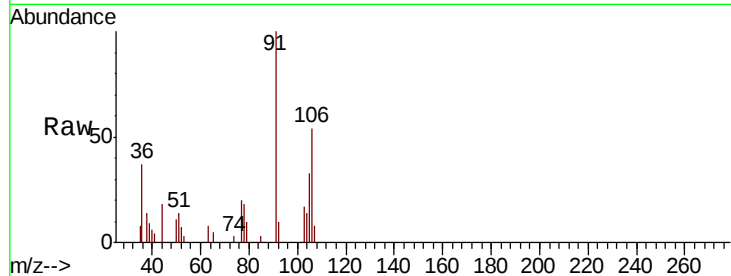
91 183.9 148.5 275.7

Manual Integrations

APPROVED

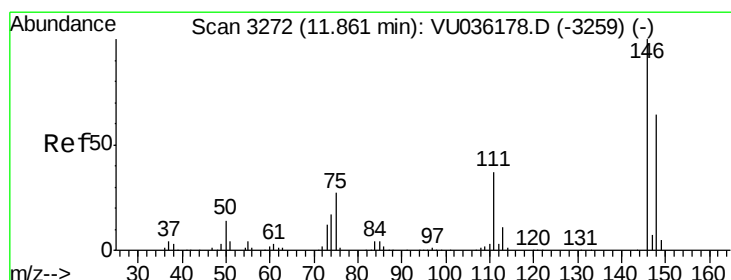
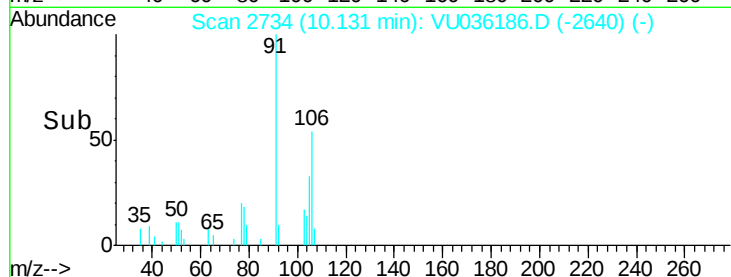
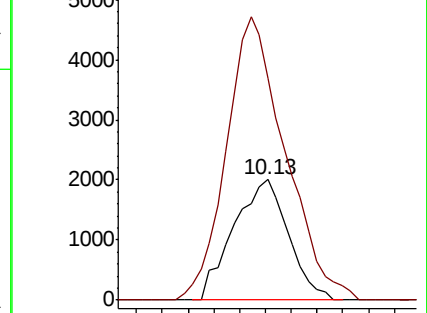
apatel

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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#63

1,4-Dichlorobenzene

Concen: 0.110 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036186.D

Acq: 13 Dec 2019 06:54

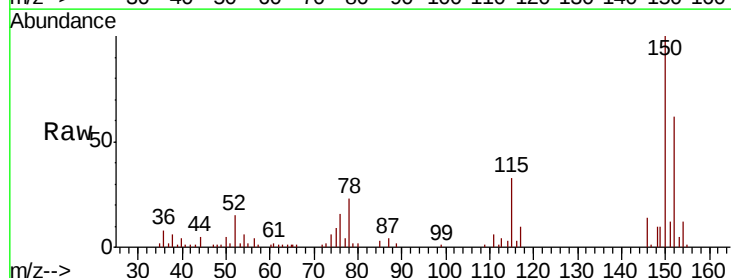
Tgt Ion:146 Resp: 3907

Ion Ratio Lower Upper

146 100

111 39.8 27.5 51.1

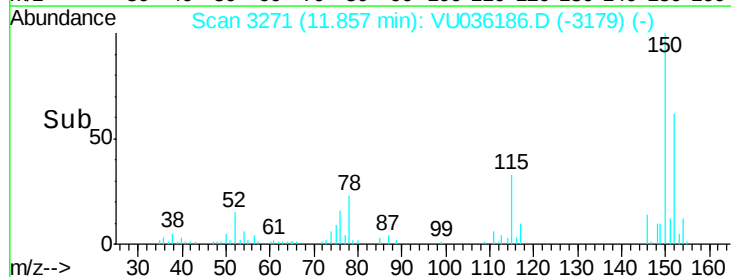
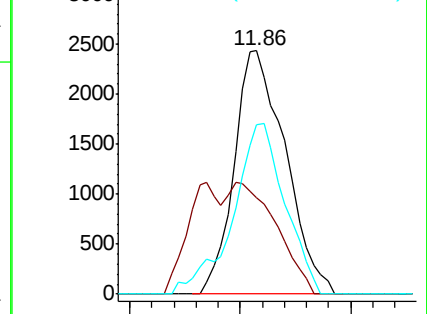
148 69.6 45.4 84.2

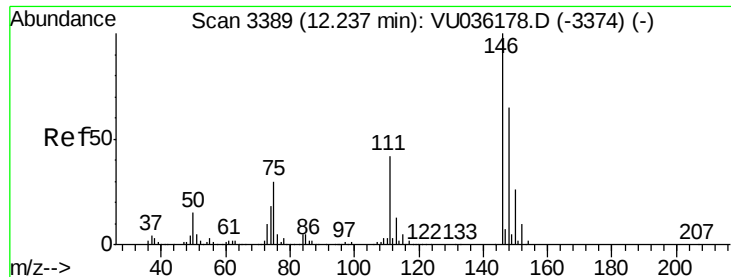


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65
 1,2-Dichlorobenzene
 Concen: 0.126 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036186.D
 Acq: 13 Dec 2019 06:54

Instrument :
 MSVOA_U
 ClientSampled :
 BFQW9

Tot Ion	Ratio	Lower	Upper
146	100		
111	60.9	33.3	49.9#
148	68.4	52.2	78.2

Manual Integrations
 APPROVED

apatel
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