

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
 Data File : VU036630.D
 Acq On : 30 Jan 2020 19:59
 Operator : JC/MD
 Sample : L1326-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBCS8

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:50:15 AM

Quant Time: Jan 31 04:47:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 04:01:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	298832	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	276898	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	130481	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	84974	37.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.92%
7) Chloroethane-d5	1.93	69	77194	40.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	2.59	63	113087	31.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.50%
21) 2-Butanone-d5	4.68	46	151014	113.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.67%
24) Chloroform-d	5.11	84	158566	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.52%
26) 1,2-Dichloroethane-d4	5.74	65	100830	44.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.28%
32) Benzene-d6	5.77	84	348640	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
36) 1,2-Dichloropropane-d6	6.73	67	112829	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.98%
41) Toluene-d8	7.93	98	329490	43.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.94%
43) trans-1,3-Dichloropropene-	8.21	79	52296	45.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.60%
47) 2-Hexanone-d5	8.67	63	125325	111.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.34%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	168741	47.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.56%
64) 1,2-Dichlorobenzene-d4	12.21	152	126032	45.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.02%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.54	50	2284	0.943	ug/L	98
5) Vinyl chloride	1.62	62	149100	57.705	ug/L	98
13) Acetone	2.66	43	168102	130.714	ug/L	99
14) Carbon disulfide	2.82	76	62957	11.219	ug/L	99
15) Methyl Acetate	2.99	43	15108	7.514	ug/L	97
16) Methylene chloride	3.08	84	6553	2.909	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	6098	3.056	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	678139	298.999	ug/L	98
22) 2-Butanone	4.76	43	5401m	3.495	ug/L	
25) Chloroform	5.13	83	38456	10.541	ug/L	100
34) Trichloroethene	6.58	95	189447	88.905	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	2665	1.263	ug/L	93
46) Tetrachloroethene	8.58	164	1630789	942.064	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.81	83	15207	4.179	ug/L	98

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

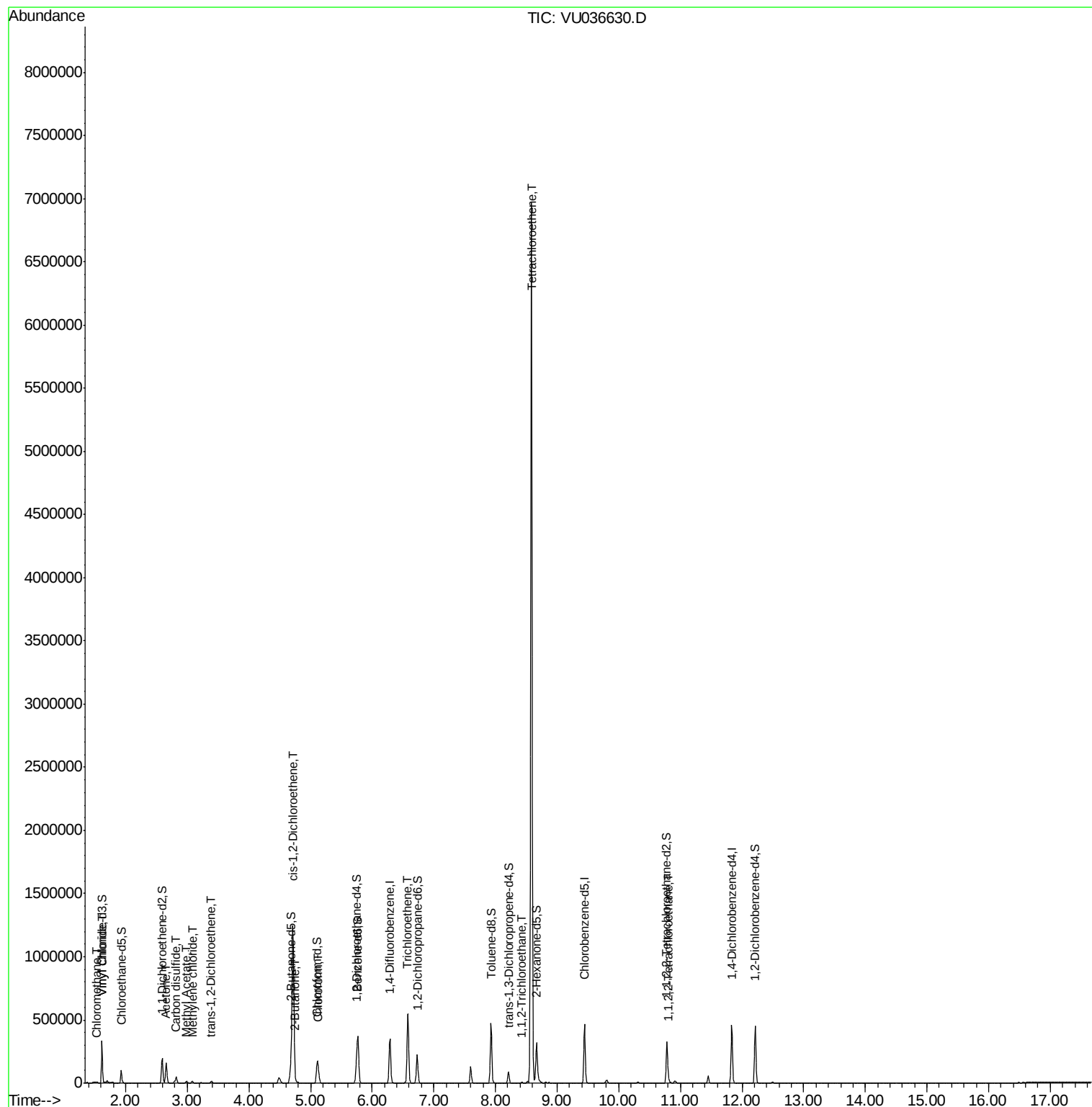
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
Data File : VU036630.D
Acq On : 30 Jan 2020 19:59
Operator : JC/MD
Sample : L1326-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

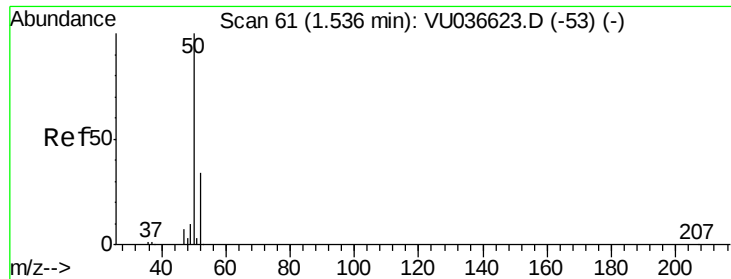
Instrument :
MSVOA_U
ClientSampleId :
DBCS8

Manual Integrations
APPROVED

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2/3/2020 10:50:15 AM

Quant Time: Jan 31 04:47:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 04:01:38 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.943 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036630.D

Acq: 30 Jan 2020 19:59

Instrument :

MSVOA_U

ClientSampleId :

DBCS8

Tot Ion: 50 Resp: 2284

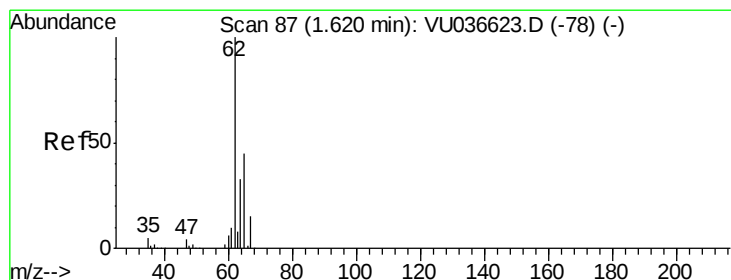
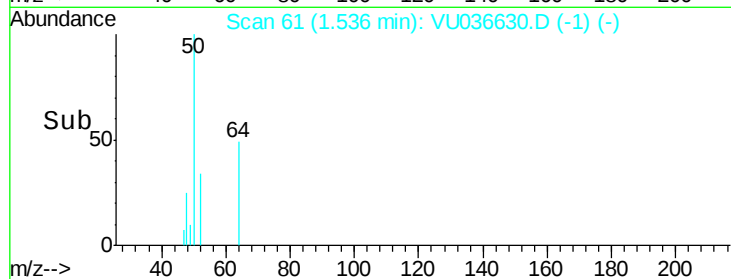
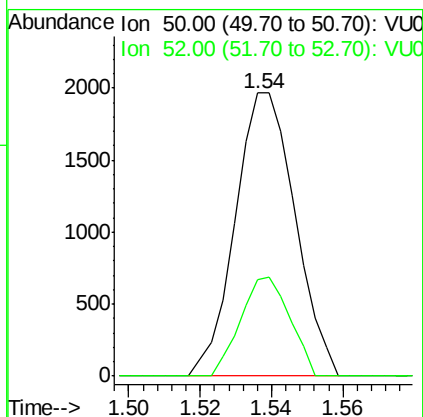
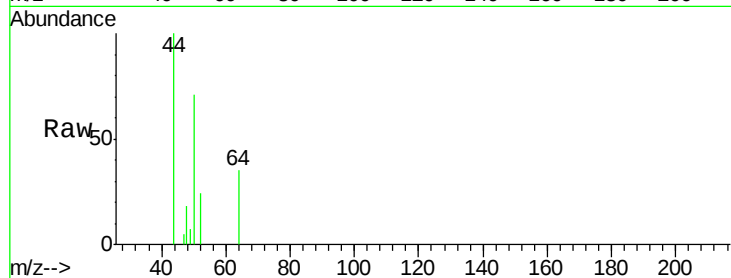
Ion Ratio Lower Upper

50 100

52 34.0 23.2 43.0

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#5

Vinyl chloride

Concen: 57.705 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036630.D

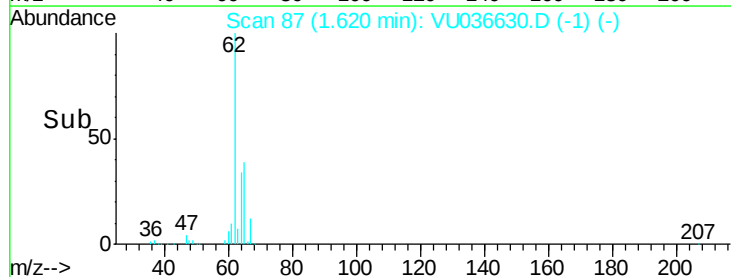
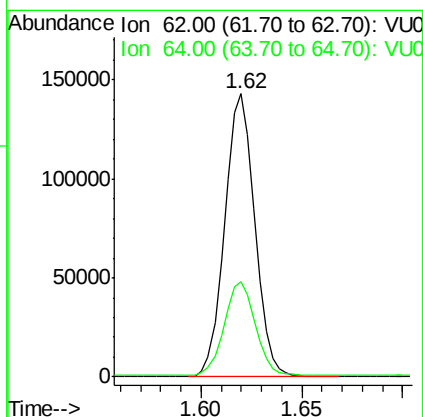
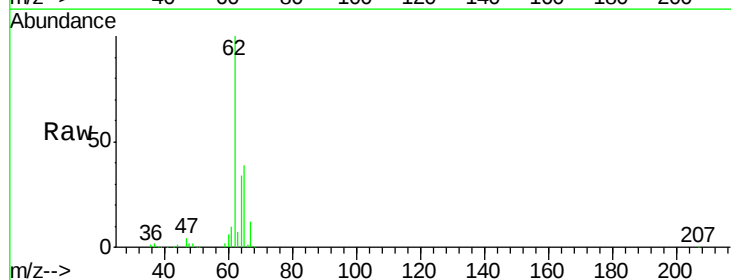
Acq: 30 Jan 2020 19:59

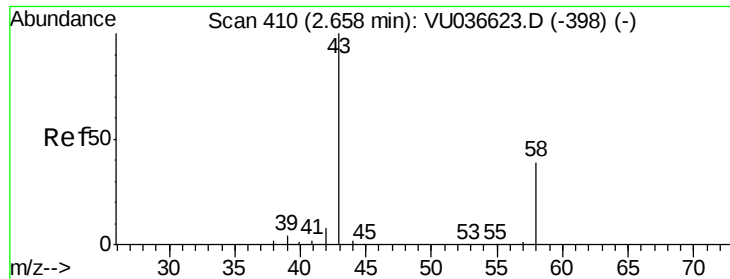
Tgt Ion: 62 Resp: 149100

Ion Ratio Lower Upper

62 100

64 33.9 22.9 42.5





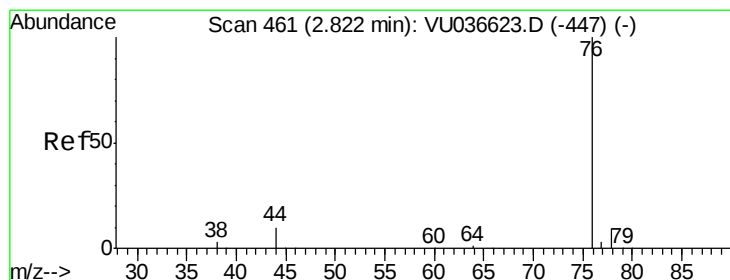
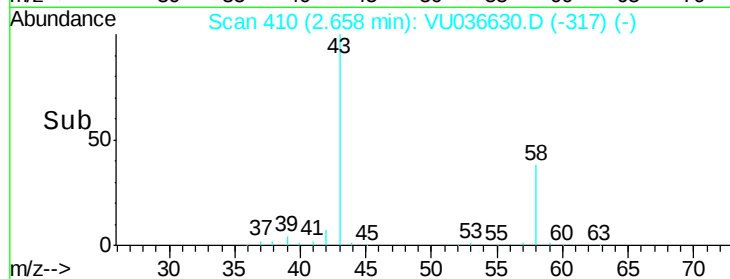
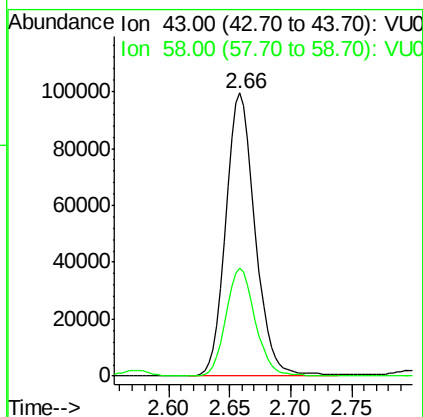
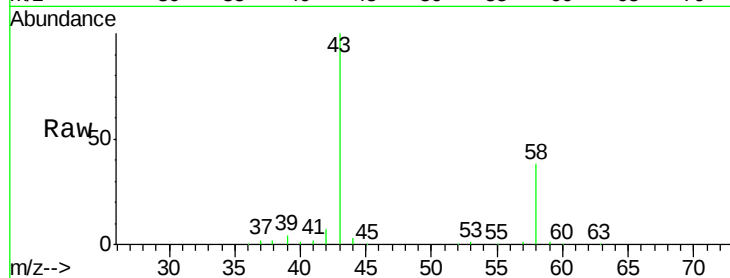
#13
Acetone
Concen: 130.714 ug/L
RT: 2.66 min Scan# 410
Delta R.T. -0.00 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

Instrument :
MSVOA_U
ClientSampled :
DBCS8

Tot Ion: 43 Resp: 168102
Ion Ratio Lower Upper
43 100
58 38.1 0.0 75.4

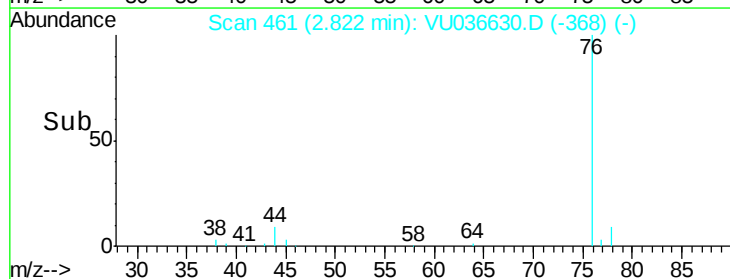
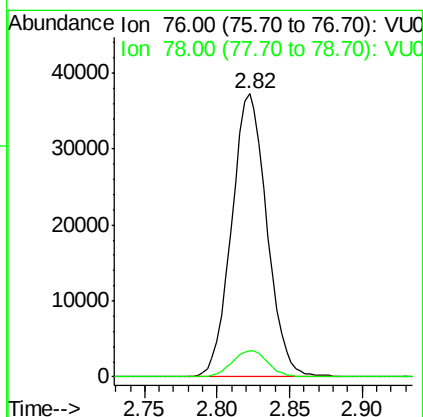
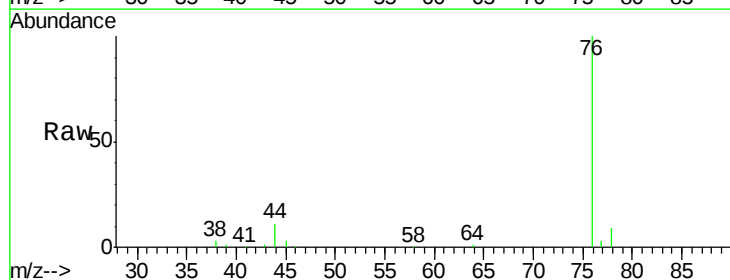
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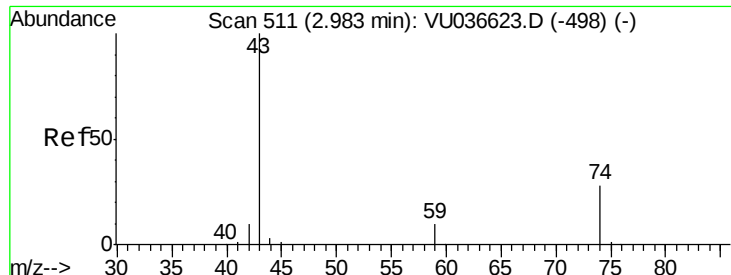
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#14
Carbon disulfide
Concen: 11.219 ug/L
RT: 2.82 min Scan# 461
Delta R.T. -0.00 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

Tgt Ion: 76 Resp: 62957
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8





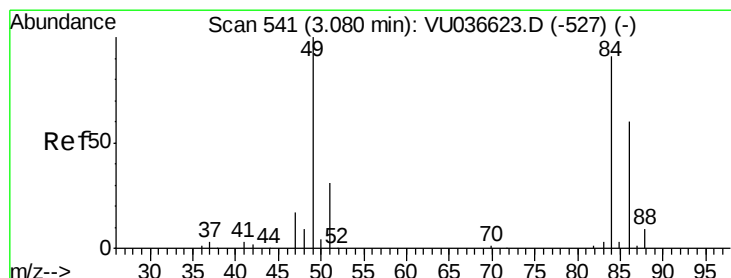
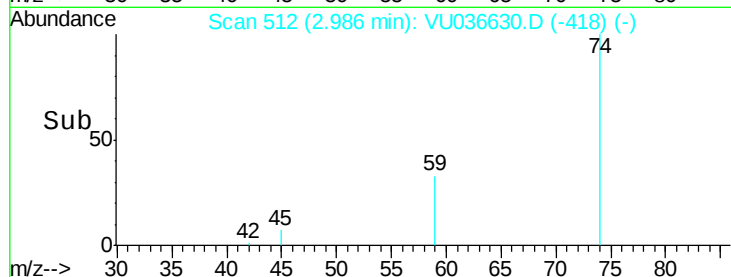
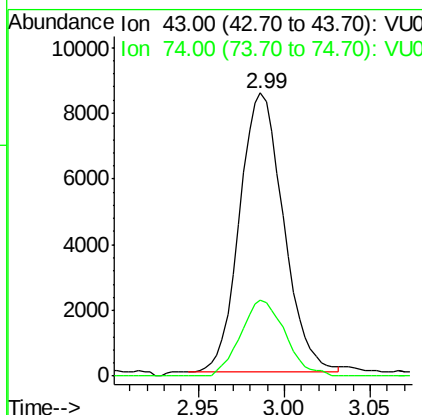
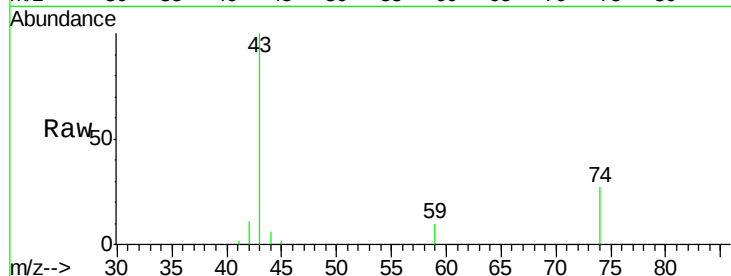
#15
Methvl Acetate
Concen: 7.514 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

Instrument :
MSVOA_U
ClientSampleId :
DBCS8

Tot Ion: 43 Resp: 15108
Ion Ratio Lower Upper
43 100
74 27.6 23.3 34.9

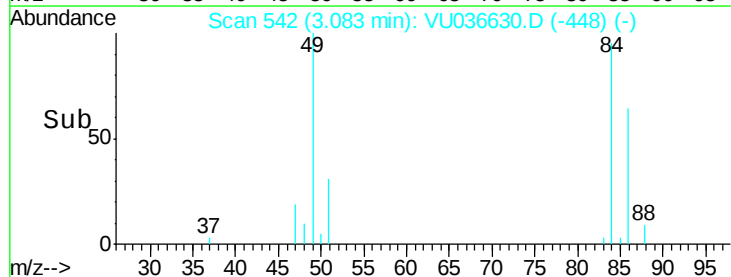
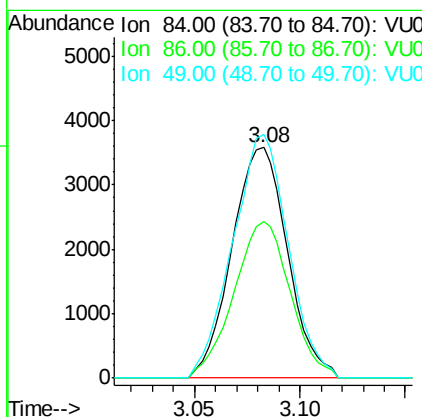
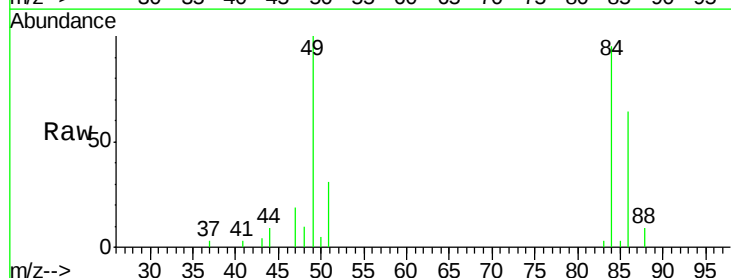
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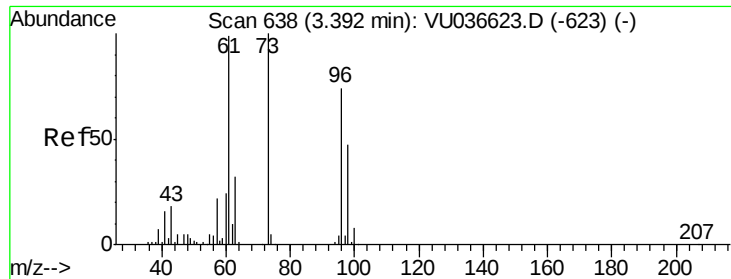
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#16
Methylene chloride
Concen: 2.909 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

Tgt Ion: 84 Resp: 6553
Ion Ratio Lower Upper
84 100
86 68.0 44.1 81.9
49 105.6 73.3 136.1





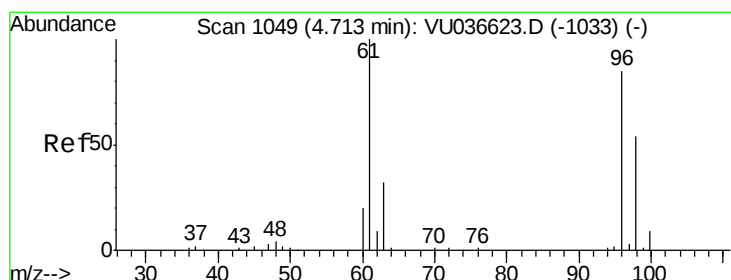
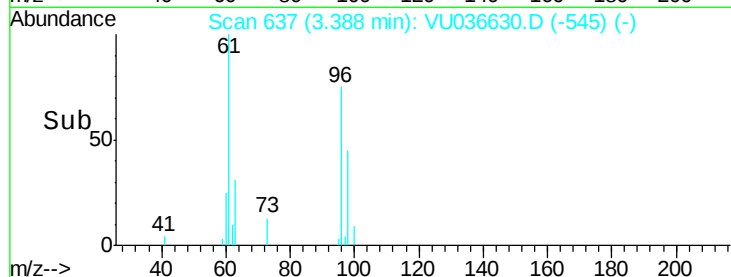
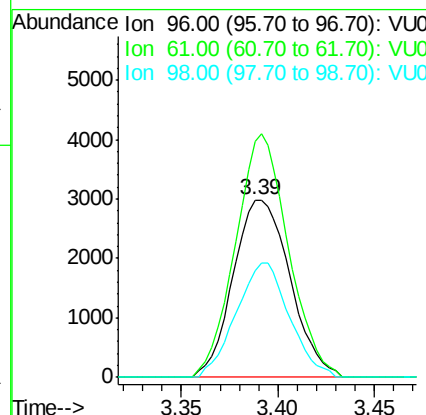
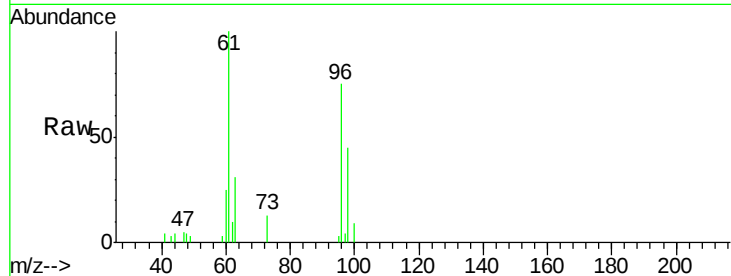
#17
trans-1,2-Dichloroethene
Concen: 3.056 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

Instrument :
MSVOA_U
ClientSampled :
DBCS8

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	93.4	173.4
98	60.0	46.1	85.5

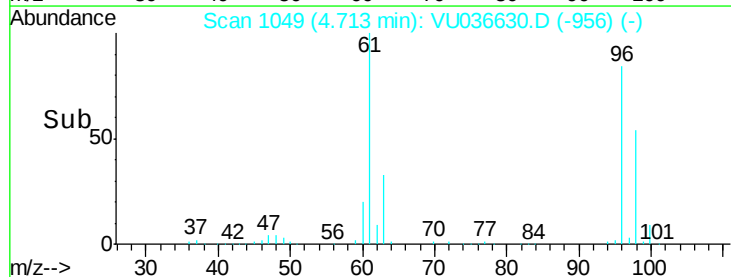
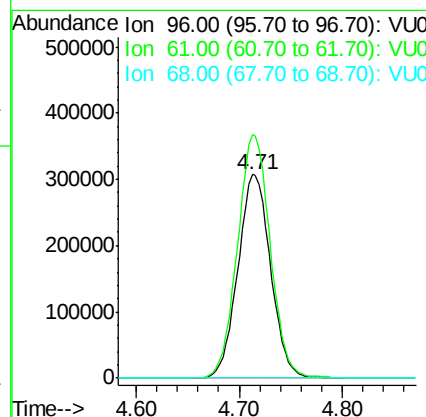
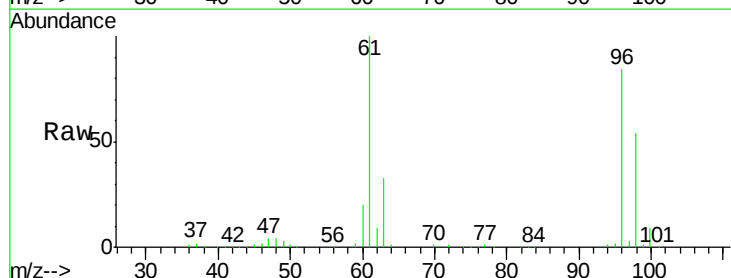
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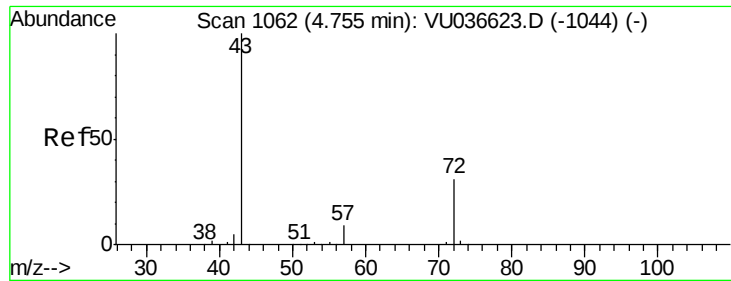
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#20
cis-1,2-Dichloroethene
Concen: 298.999 ug/L
RT: 4.71 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.5	82.2	152.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.495 ug/L m

RT: 4.76 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VU036630.D

Acq: 30 Jan 2020 19:59

Instrument :

MSVOA_U

ClientSampled :

DBCS8

Tot Ion: 43 Resp: 5401

Ion Ratio Lower Upper

43 100

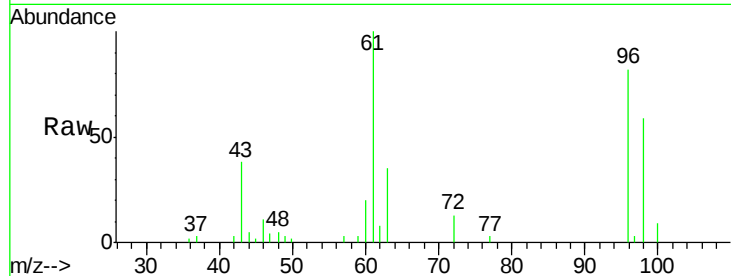
72 21.8 16.7 50.1

Manual Integrations

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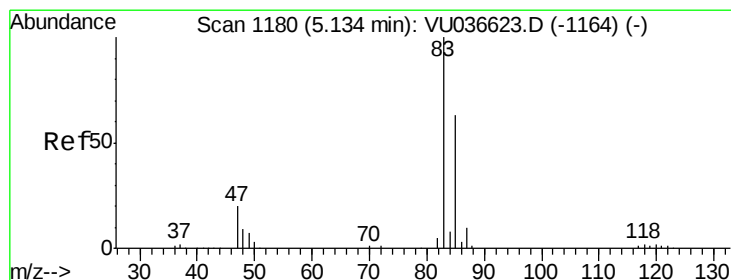
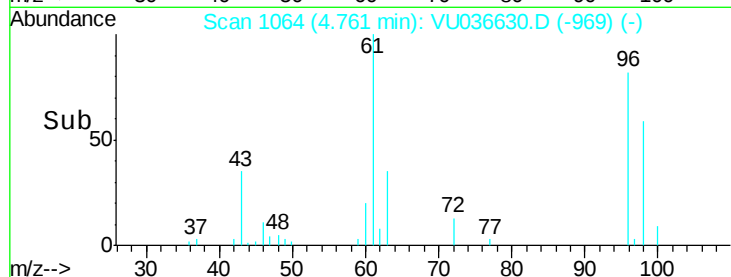
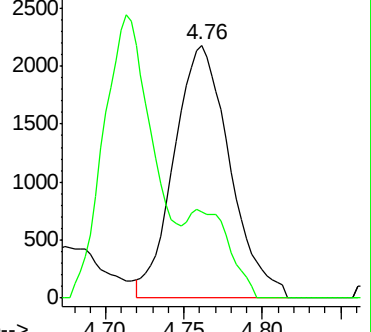
MMDadoda

2/3/2020 10:50:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VU036630.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036630.D (-969) (-)



#25

Chloroform

Concen: 10.541 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU036630.D

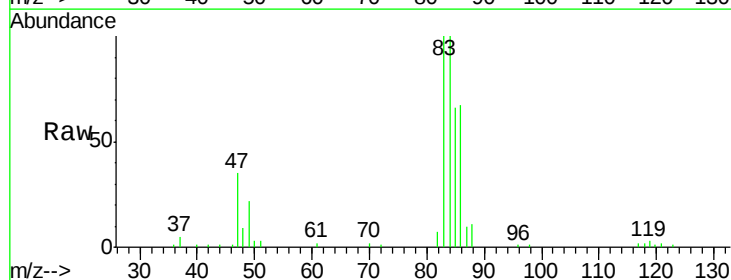
Acq: 30 Jan 2020 19:59

Tgt Ion: 83 Resp: 38456

Ion Ratio Lower Upper

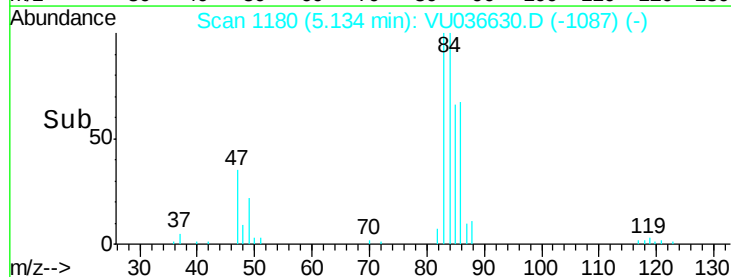
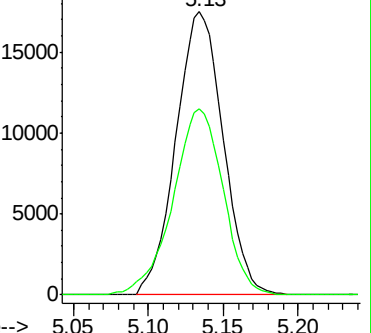
83 100

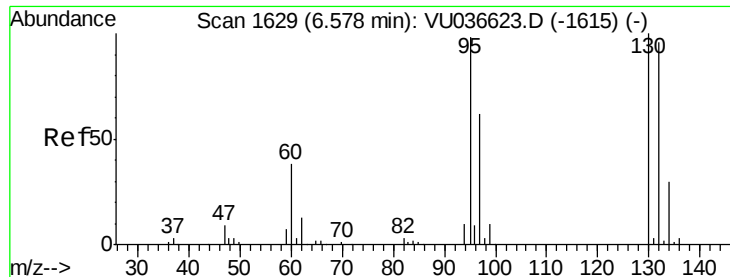
85 66.0 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VU036630.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU036630.D (-1087) (-)





#34

Trichloroethene

Concen: 88.905 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036630.D

Acq: 30 Jan 2020 19:59

Instrument :

MSVOA_U

ClientSampleId :

DBCS8

Tot Ion: 95 Resp: 189447
Ion Ratio Lower Upper

95 100

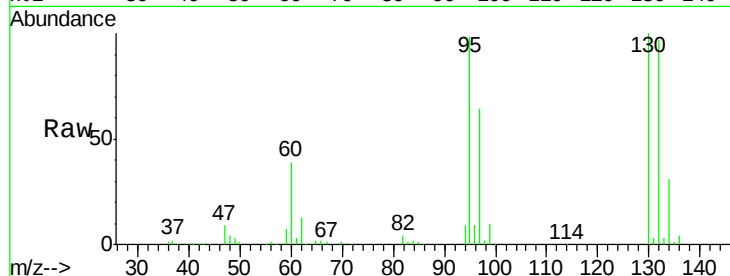
97 65.4 45.5 84.5

132 99.3 70.9 131.7

130 102.1 72.9 135.3

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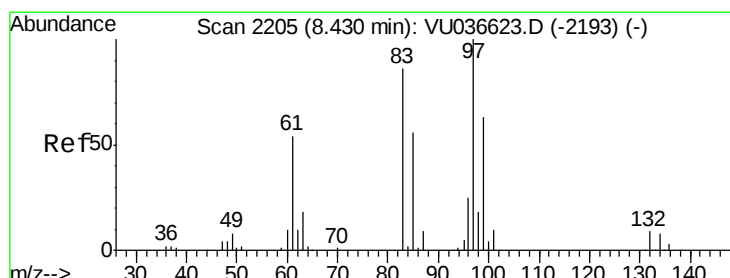
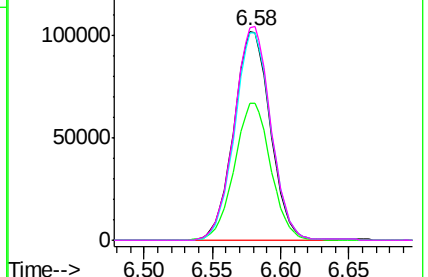
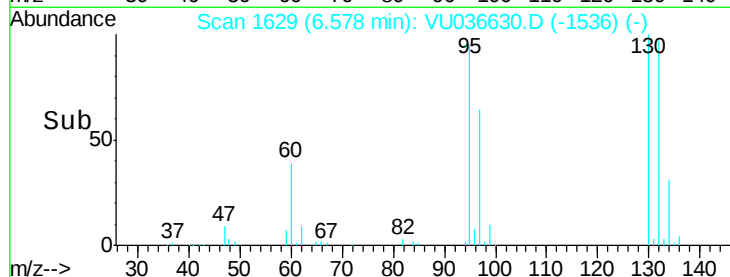
Abundance

Ion 95.00 (94.70 to 95.70): VU036630.D (-1536) (-)

Ion 97.00 (96.70 to 97.70): VU036630.D (-1536) (-)

Ion 132.00 (131.70 to 132.70): VU036630.D (-1536) (-)

Ion 130.00 (129.70 to 130.70): VU036630.D (-1536) (-)



#45

1,1,2-Trichloroethane

Concen: 1.263 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036630.D

Acq: 30 Jan 2020 19:59

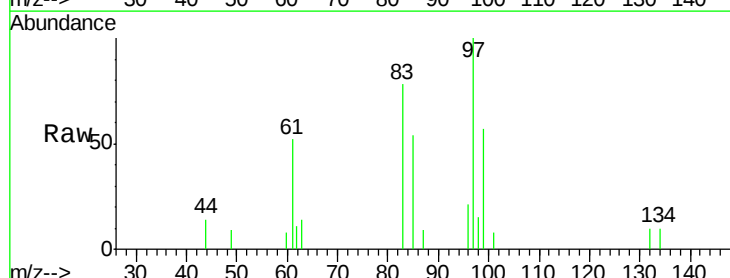
Tgt Ion: 97 Resp: 2665
Ion Ratio Lower Upper

97 100

99 56.9 44.1 81.9

83 77.7 61.2 113.6

85 54.5 39.2 72.8



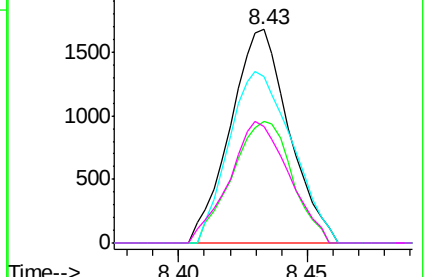
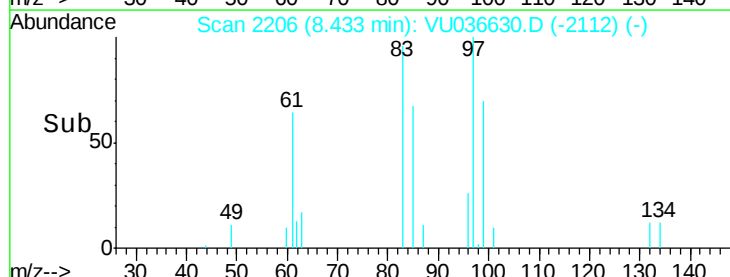
Abundance

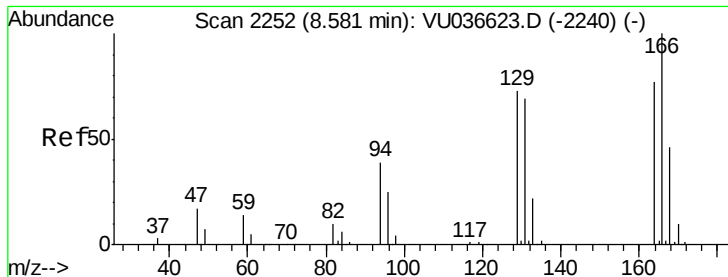
Ion 97.00 (96.70 to 97.70): VU036630.D (-2112) (-)

Ion 99.00 (98.70 to 99.70): VU036630.D (-2112) (-)

Ion 83.00 (82.70 to 83.70): VU036630.D (-2112) (-)

Ion 85.00 (84.70 to 85.70): VU036630.D (-2112) (-)





#46

Tetrachloroethene

Concen: 942.064 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036630.D

Acq: 30 Jan 2020 19:59

Instrument :

MSVOA_U

ClientSampled :

DBCS8

Tot Ion:164 Resp: 1630789

Ion Ratio Lower Upper

164 100

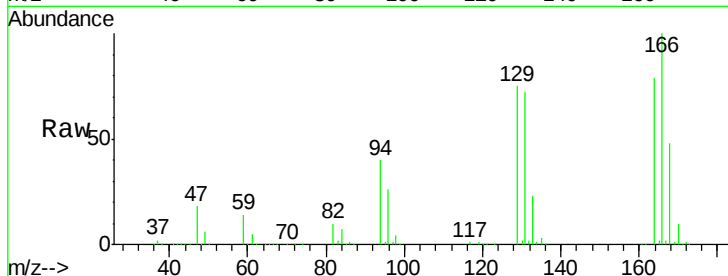
129 94.9 64.2 119.2

131 91.5 61.8 114.8

166 127.0 88.8 165.0

Manual Integrations
APPROVED

MMDadoda
2/3/2020 10:50:15 AM

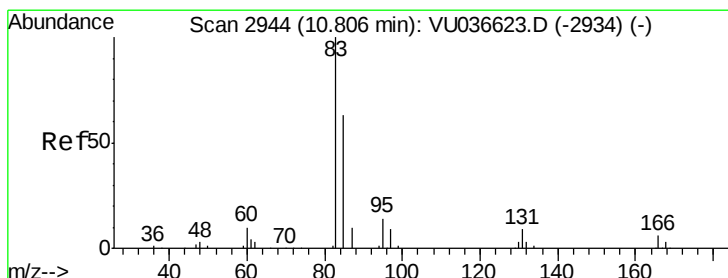
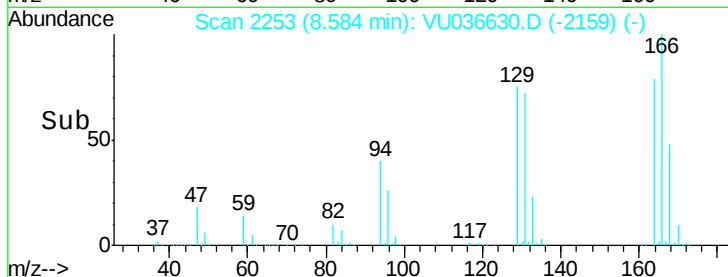
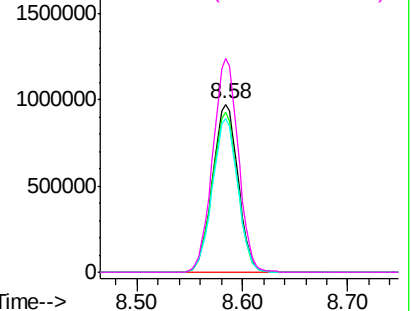


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.179 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036630.D

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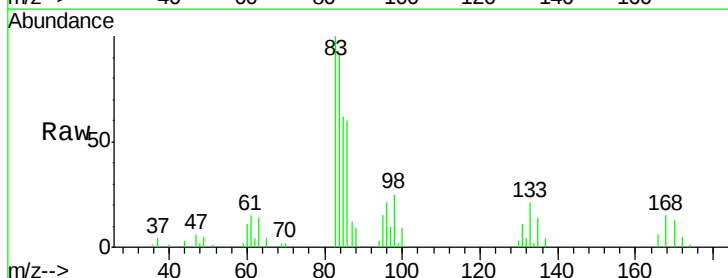
Tgt Ion: 83 Resp: 15207

Ion Ratio Lower Upper

83 100

85 62.4 44.5 82.7

131 11.0 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

