

Data File : VU030064.D
Acq On : 14 Mar 2019 11:22
Operator : JC/SP
Sample : K1784-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0962

Quant Time: Mar 15 01:25:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 01:21:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	475061	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	454600	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	224783	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	153620	48.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.78%
7) Chloroethane-d5	1.68	69	122505	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.27	63	209572	36.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.90%
21) 2-Butanone-d5	4.18	46	221632	94.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.14%
24) Chloroform-d	4.65	84	262343	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	5.31	65	156058	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.84%
32) Benzene-d6	5.34	84	567240	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
36) 1,2-Dichloropropane-d6	6.33	67	175508	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.02%
41) Toluene-d8	7.56	98	520117	47.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.94%
43) trans-1,3-Dichloropropene-	7.85	79	81798	47.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.30%
47) 2-Hexanone-d5	8.31	63	191165	95.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	254787	46.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	213852	49.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.22%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2223	0.712	ug/L #	25
12) 1,1-Dichloroethene	2.28	96	5014	1.684	ug/L #	1
13) Acetone	2.33	43	105572	38.352	ug/L	99
16) Methylene chloride	2.70	84	2350193	668.439	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	53228	14.419	ug/L	100
22) 2-Butanone	4.28	43	22943	7.321	ug/L	75
25) Chloroform	4.67	83	99357	17.003	ug/L	99
27) 1,2-Dichloroethane	5.41	62	2579	0.614	ug/L	99
34) Trichloroethene	6.18	95	751771	220.501	ug/L	100
38) Bromodichloromethane	6.76	83	5350	1.257	ug/L	99
39) cis-1,3-Dichloropropene	7.22	75	4530	0.851	ug/L #	71
40) 4-Methyl-2-pentanone	7.46	43	6942	1.503	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3150	0.648	ug/L #	64
45) 1,1,2-Trichloroethane	8.07	97	5358	1.566	ug/L	90
46) Tetrachloroethene	8.22	164	1741	0.584	ug/L	92
54) o-xylene	9.77	106	6019	1.017	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	24289	5.450	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
Quantitation Report (Not Reviewed)

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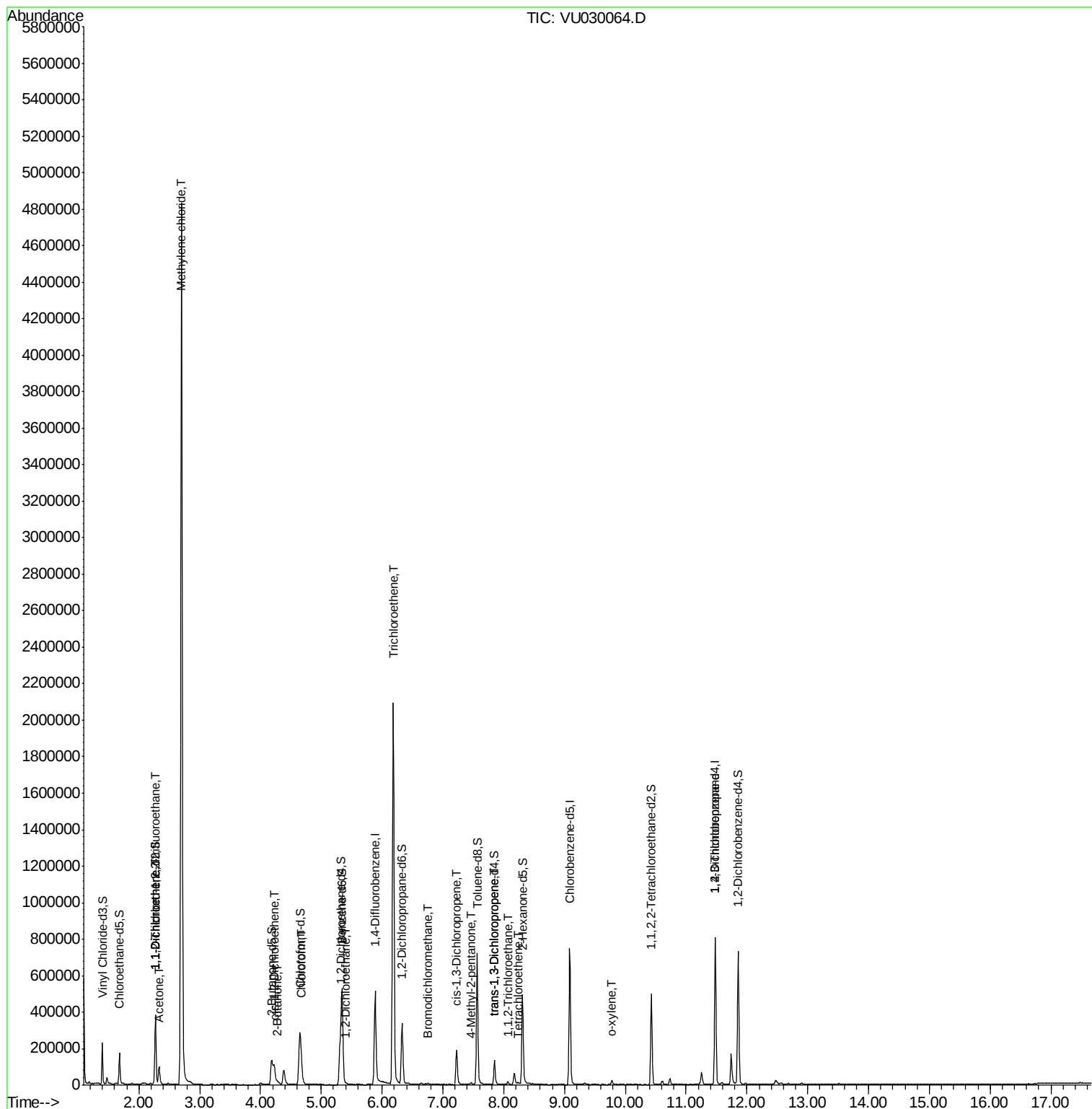
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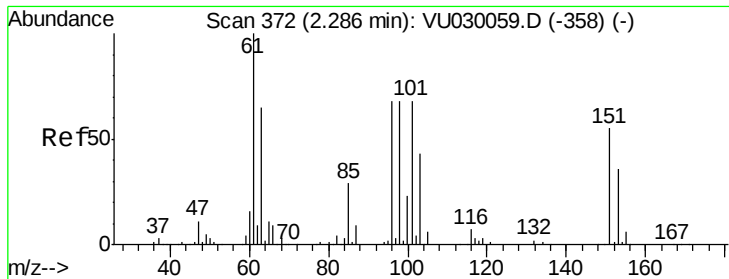
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.712 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030064.D

Acq: 14 Mar 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

C0962

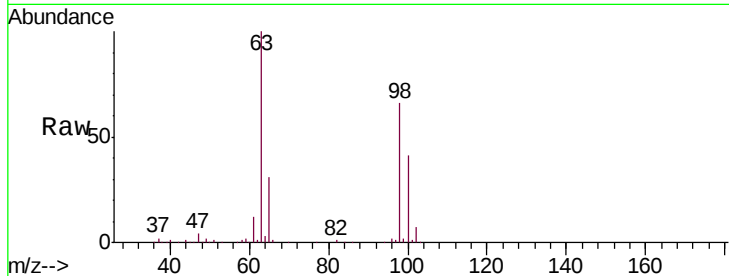
Tgt Ion: 101 Resp: 2223

Ion Ratio Lower Upper

101 100

85 3.6 33.0 49.4#

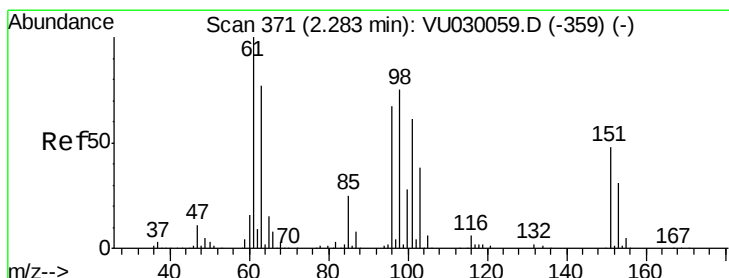
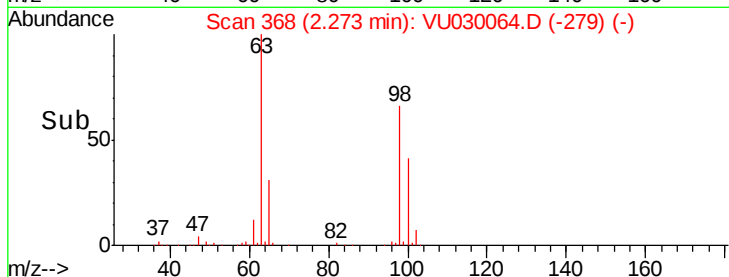
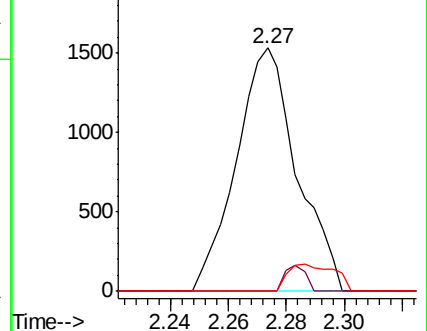
151 8.5 66.1 99.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.684 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030064.D

Acq: 14 Mar 2019 11:22

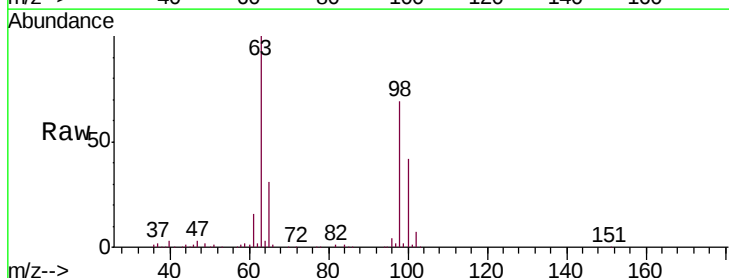
Tgt Ion: 96 Resp: 5014

Ion Ratio Lower Upper

96 100

61 413.5 110.4 205.0#

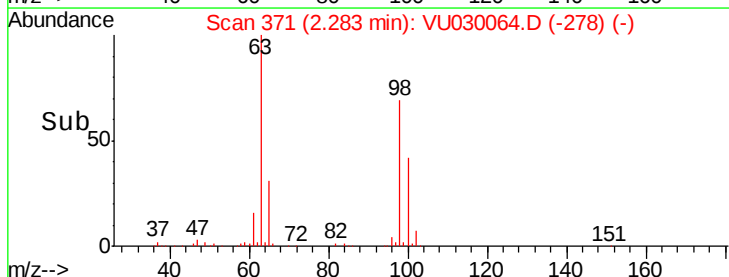
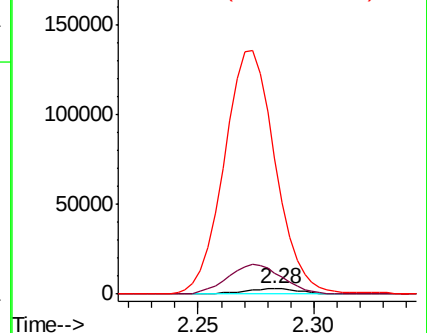
63 2641.6 86.5 160.7#

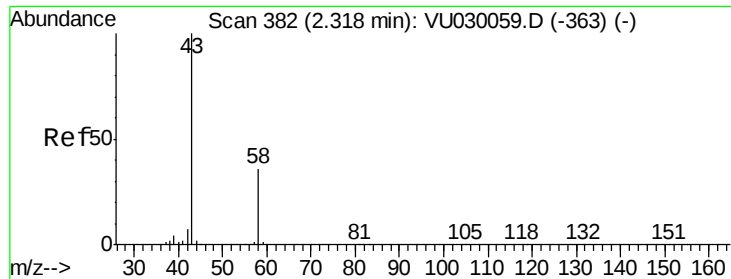


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 38.352 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU030064.D

Acq: 14 Mar 2019 11:22

Instrument :

MSVOA_U

ClientSampled :

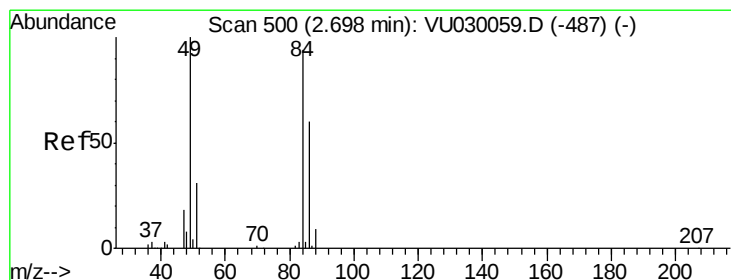
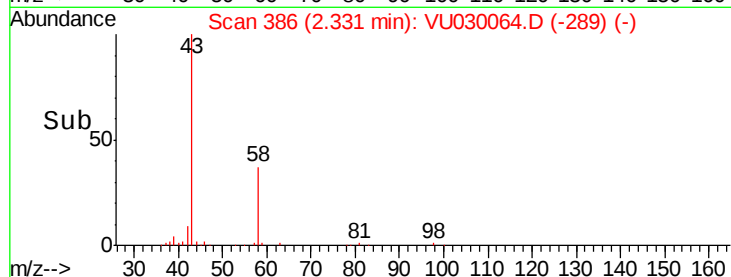
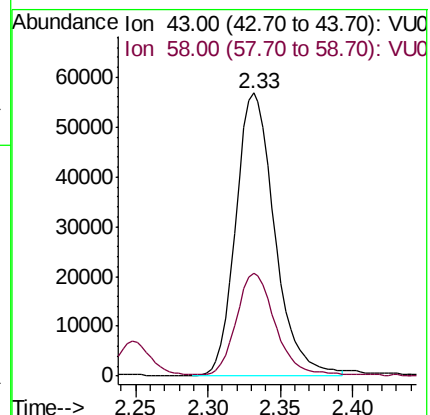
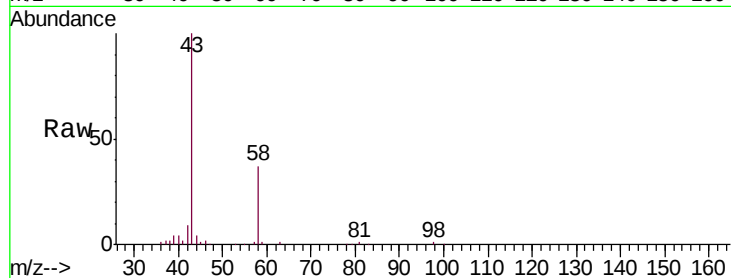
C0962

Tgt Ion: 43 Resp: 105572

Ion Ratio Lower Upper

43 100

58 35.8 0.0 73.0



#16

Methylene chloride

Concen: 668.439 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU030064.D

Acq: 14 Mar 2019 11:22

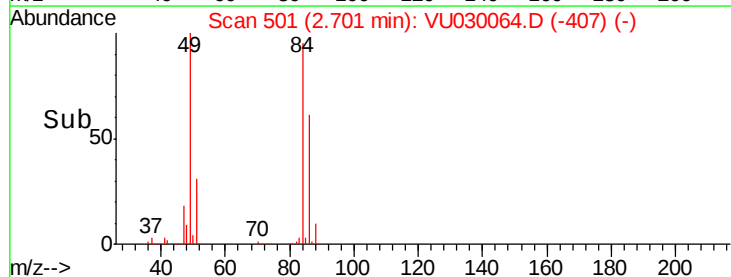
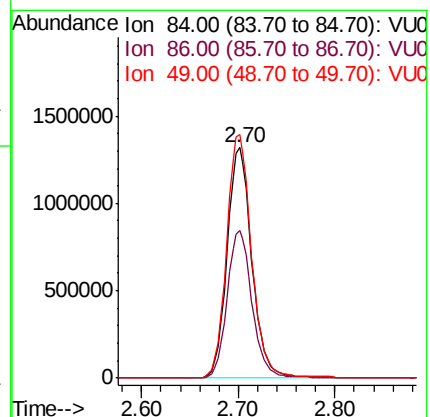
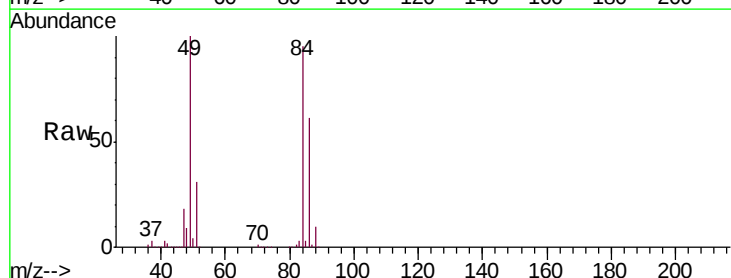
Tgt Ion: 84 Resp: 2350193

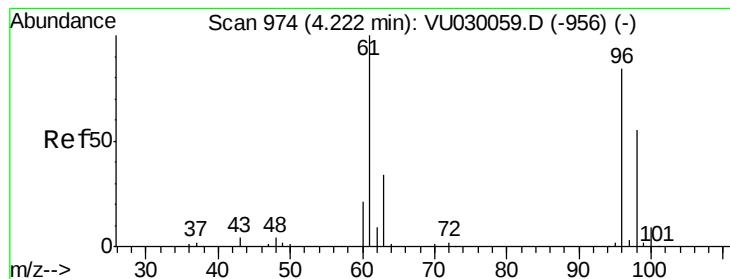
Ion Ratio Lower Upper

84 100

86 64.0 45.2 84.0

49 105.5 73.6 136.6





#20

cis-1,2-Dichloroethene

Concen: 14.419 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU030064.D

Acq: 14 Mar 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

C0962

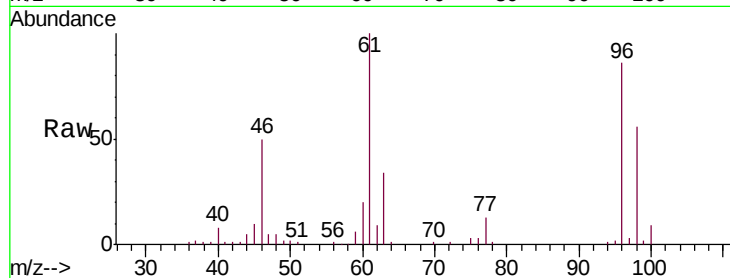
Tgt Ion: 96 Resp: 53228

Ion Ratio Lower Upper

96 100

61 115.8 80.8 150.2

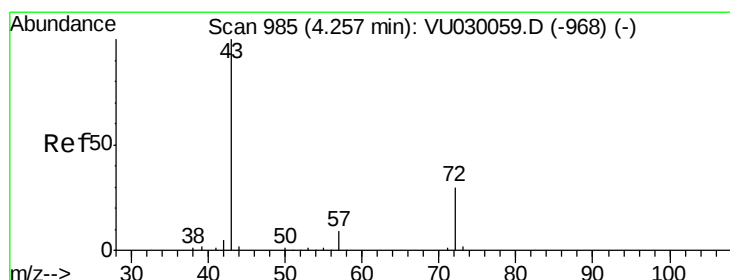
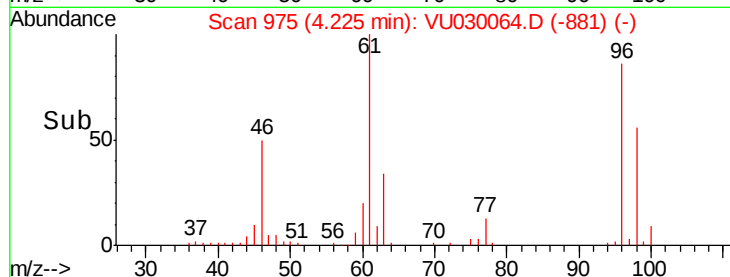
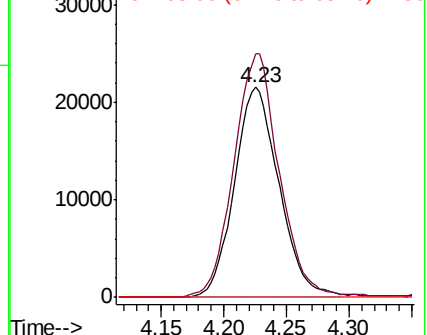
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU030064.D (-881) (-)

Ion 61.00 (60.70 to 61.70): VU030064.D (-881) (-)

Ion 68.00 (67.70 to 68.70): VU030064.D (-881) (-)



#22

2-Butanone

Concen: 7.321 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.03 min

Lab File: VU030064.D

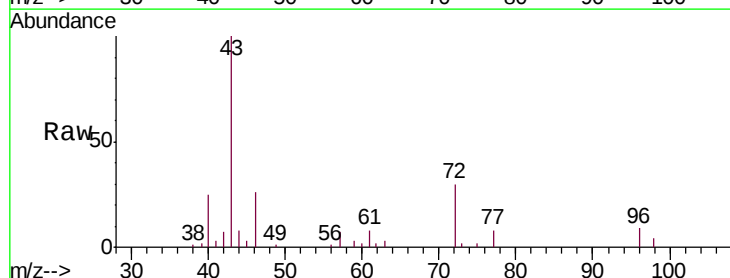
Acq: 14 Mar 2019 11:22

Tgt Ion: 43 Resp: 22943

Ion Ratio Lower Upper

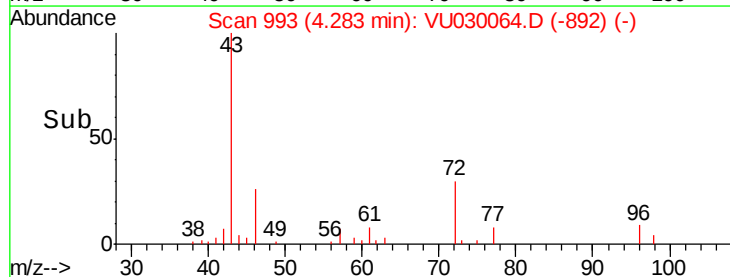
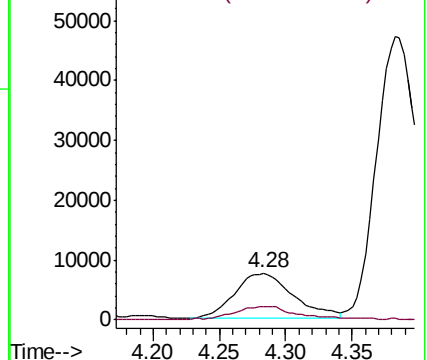
43 100

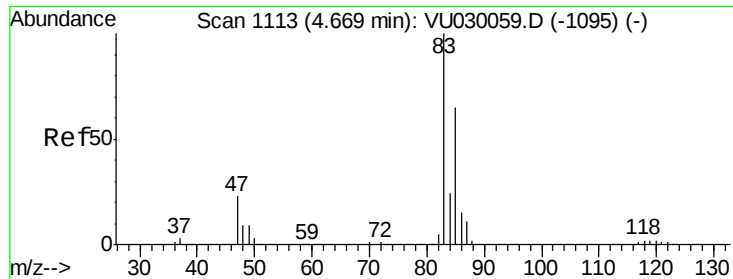
72 16.7 15.3 45.9



Abundance Ion 43.00 (42.70 to 43.70): VU030064.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VU030064.D (-892) (-)

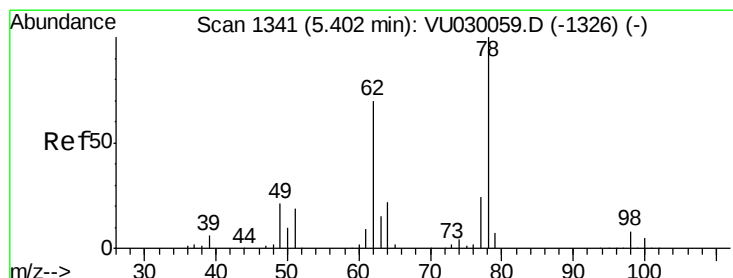
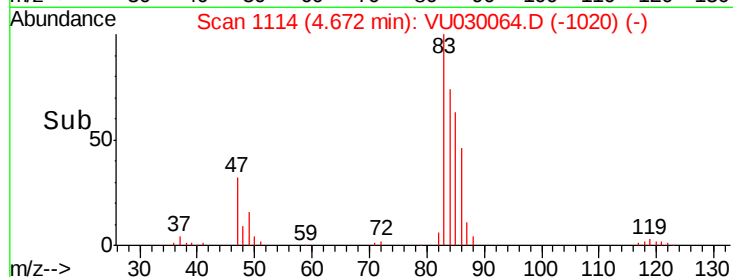
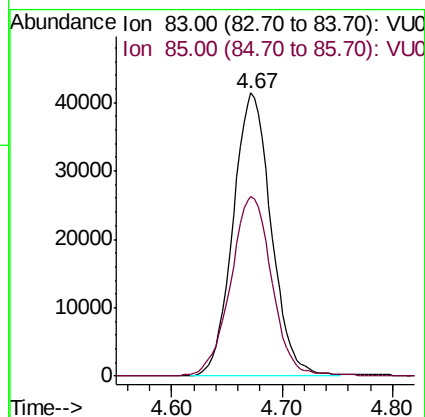
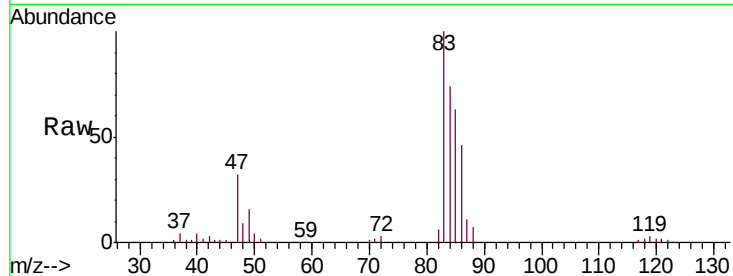




#25
Chloroform
Concen: 17.003 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU030064.D
Acq: 14 Mar 2019 11:22

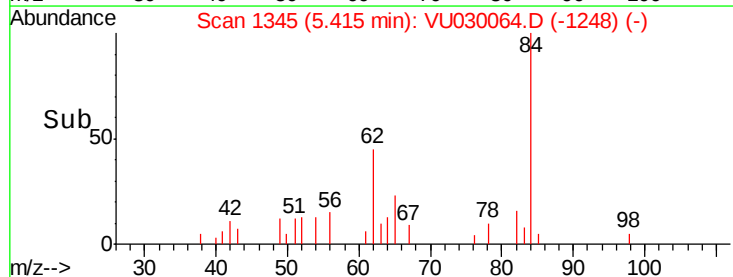
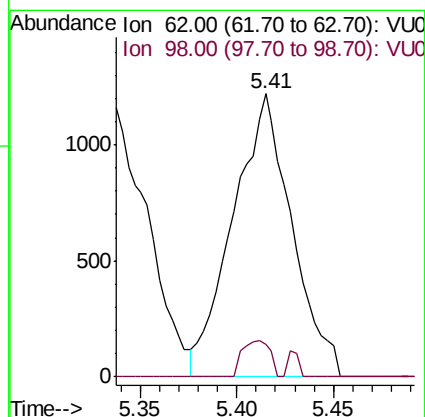
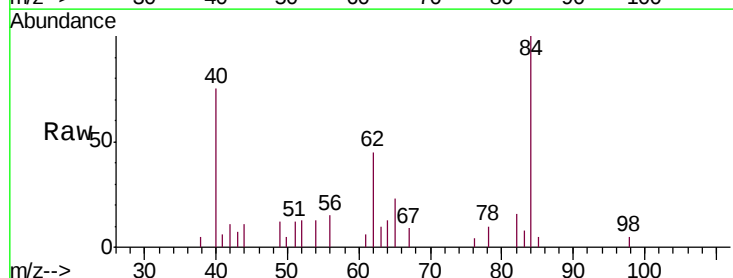
Instrument :
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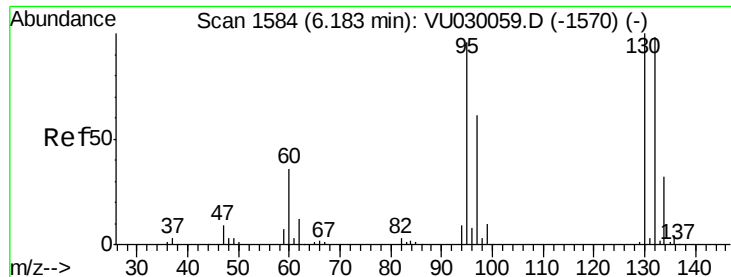
Tgt Ion: 83 Resp: 99357
Ion Ratio Lower Upper
83 100
85 63.3 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.614 ug/L
RT: 5.41 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VU030064.D
Acq: 14 Mar 2019 11:22

Tgt Ion: 62 Resp: 2579
Ion Ratio Lower Upper
62 100
98 11.6 8.8 13.2

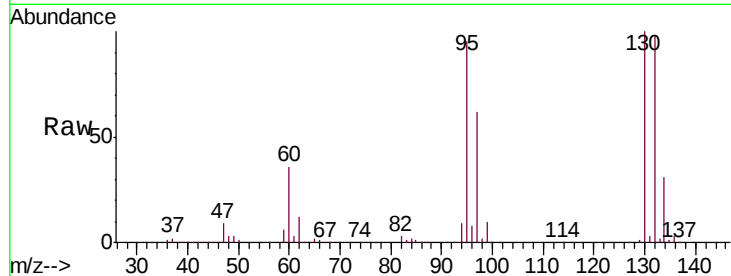




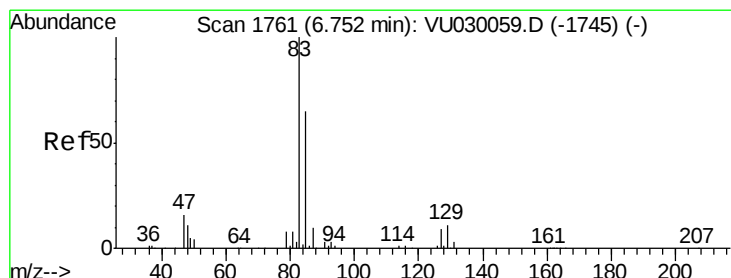
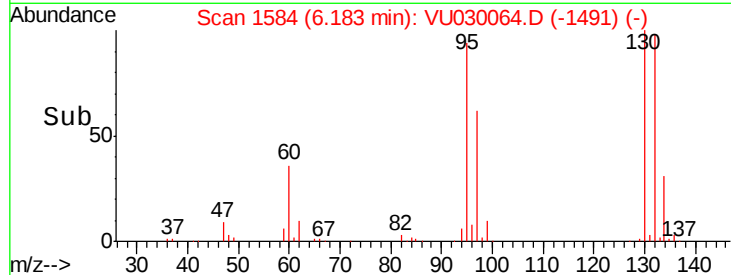
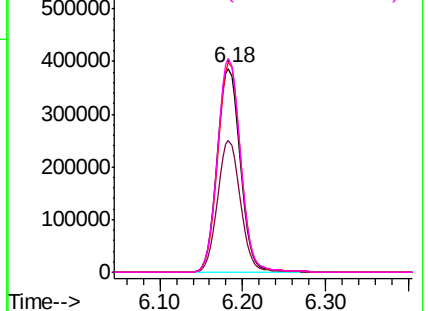
#34
 Trichloroethene
 Concen: 220.501 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030064.D
 Acq: 14 Mar 2019 11:22

Instrument :
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 ClientSampleId :
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Tgt Ion: 95 Resp: 751771
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.5 84.5
 132 102.7 71.5 132.7
 130 104.8 73.5 136.5

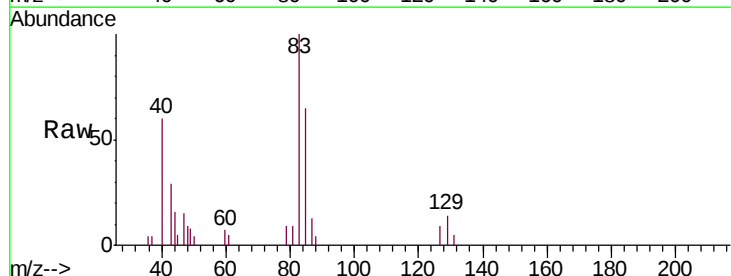


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

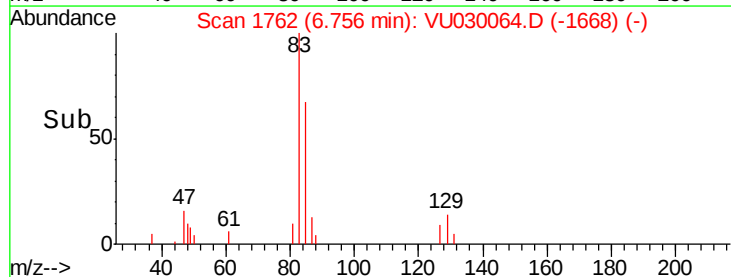
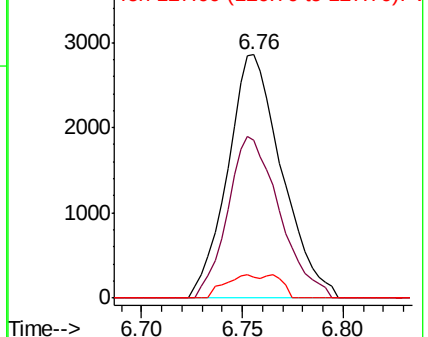


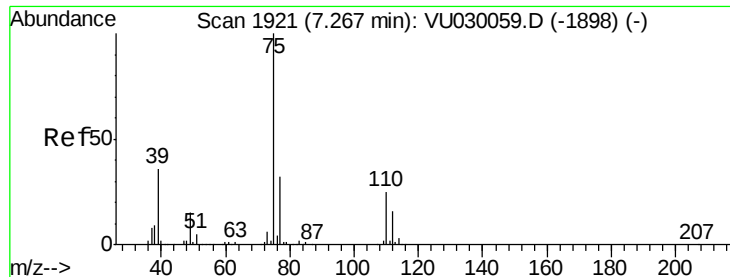
#38
 Bromodichloromethane
 Concen: 1.257 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU030064.D
 Acq: 14 Mar 2019 11:22

Tgt Ion: 83 Resp: 5350
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.7 84.9
 127 8.7 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0
 Ion 127.00 (126.70 to 127.70): V

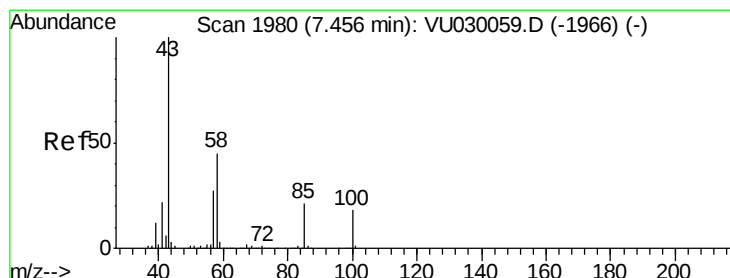
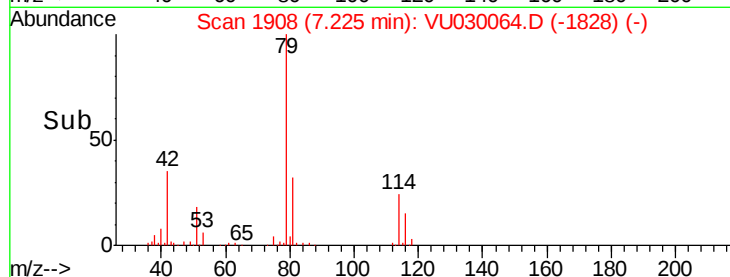
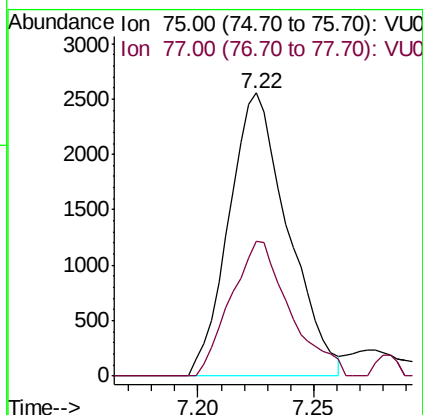
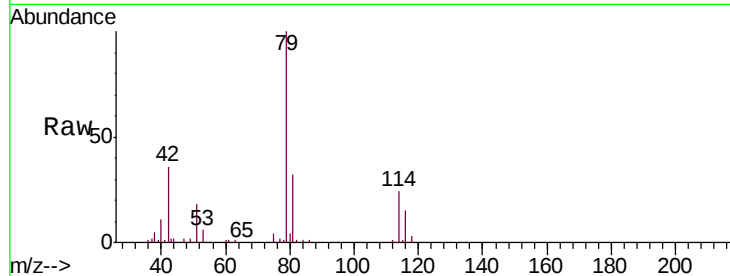




#39
 cis-1,3-Dichloropropene
 Concen: 0.851 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030064.D
 Acq: 14 Mar 2019 11:22

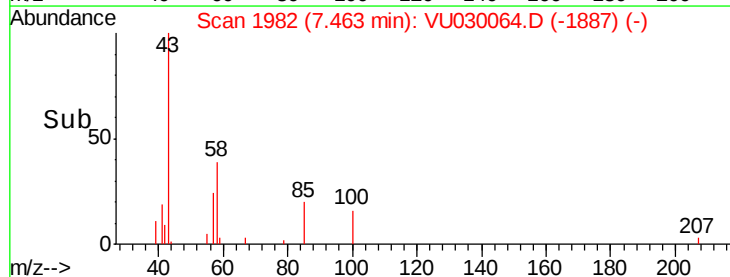
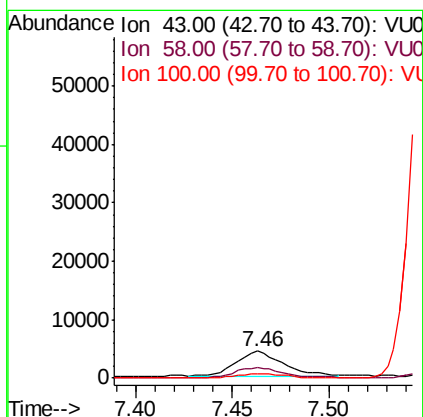
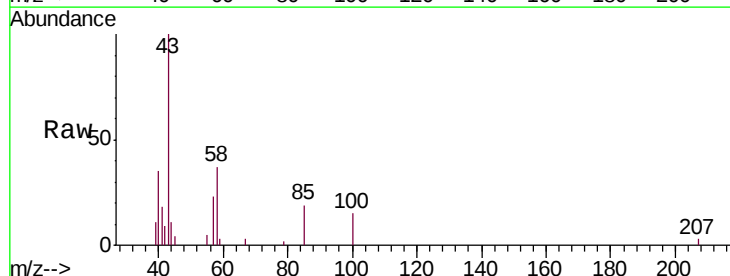
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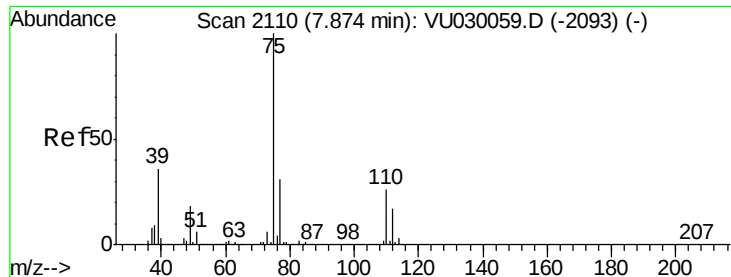
Tgt Ion: 75 Resp: 4530
 Ion Ratio Lower Upper
 75 100
 77 47.6 22.2 41.2#



#40
 4-Methyl-2-pentanone
 Concen: 1.503 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.01 min
 Lab File: VU030064.D
 Acq: 14 Mar 2019 11:22

Tgt Ion: 43 Resp: 6942
 Ion Ratio Lower Upper
 43 100
 58 44.4 35.1 52.7
 100 18.2 14.4 21.6

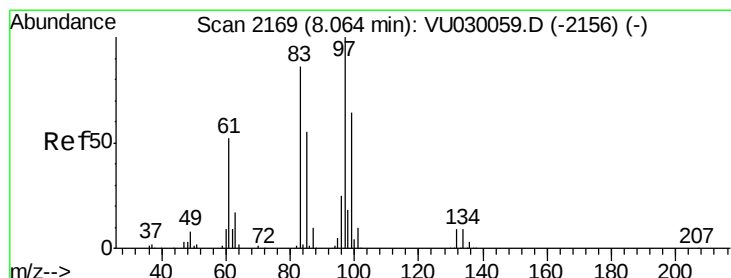
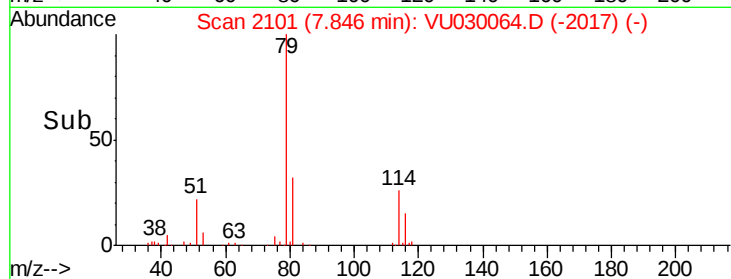
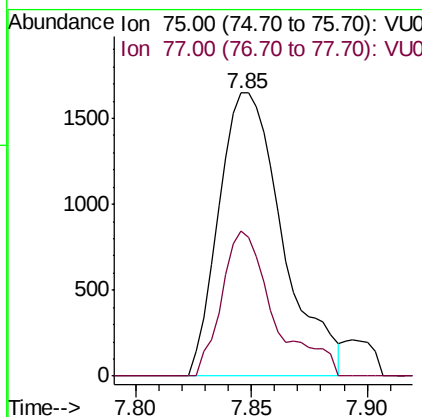
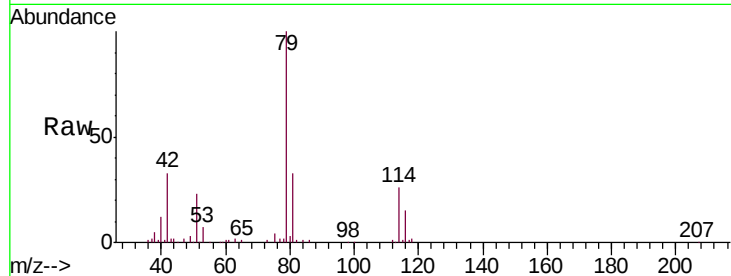




#44
trans-1,3-Dichloropropene
Concen: 0.648 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030064.D
Acq: 14 Mar 2019 11:22

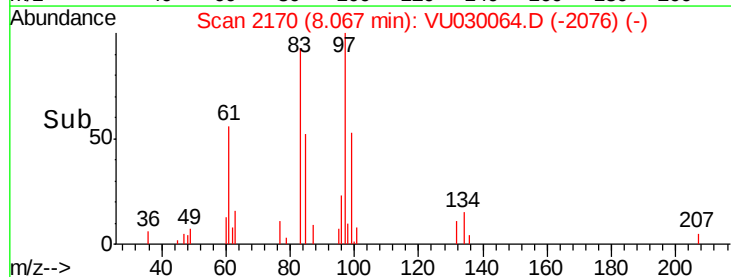
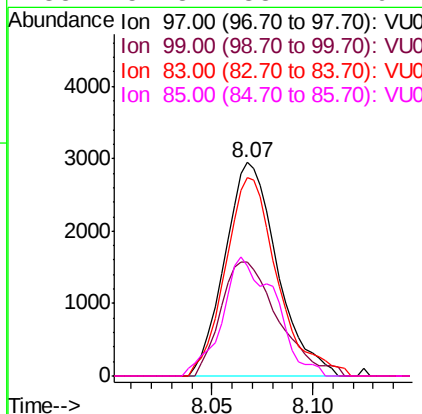
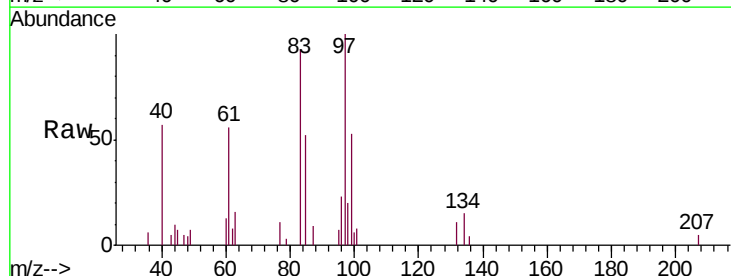
Instrument :
MSVOA_U
ClientSampleId :
C0962

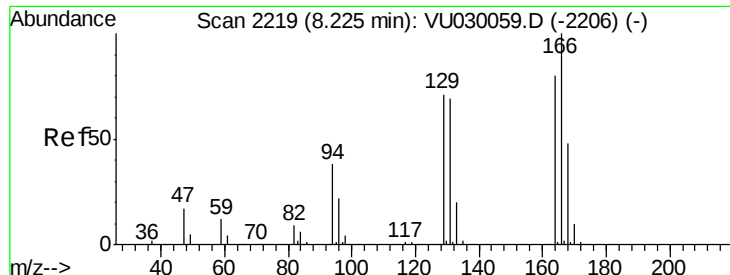
Tgt Ion: 75 Resp: 3150
Ion Ratio Lower Upper
75 100
77 51.2 21.9 40.7#



#45
1,1,2-Trichloroethane
Concen: 1.566 ug/L
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU030064.D
Acq: 14 Mar 2019 11:22

Tgt Ion: 97 Resp: 5358
Ion Ratio Lower Upper
97 100
99 53.1 44.7 82.9
83 93.1 58.6 108.8
85 51.8 38.1 70.7





#46

Tetrachloroethene

Concen: 0.584 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU030064.D

Acq: 14 Mar 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

C0962

Tgt Ion:164 Resp: 1741

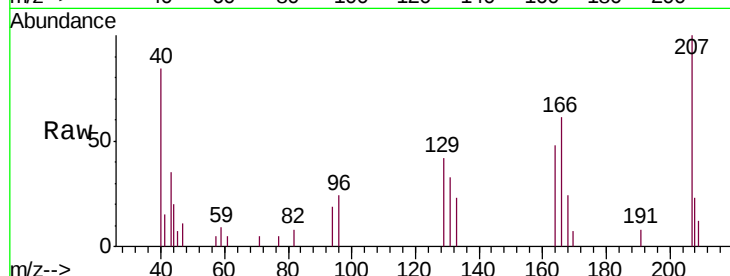
Ion Ratio Lower Upper

164 100

129 86.8 63.3 117.7

131 69.8 62.0 115.2

166 127.6 90.5 168.1

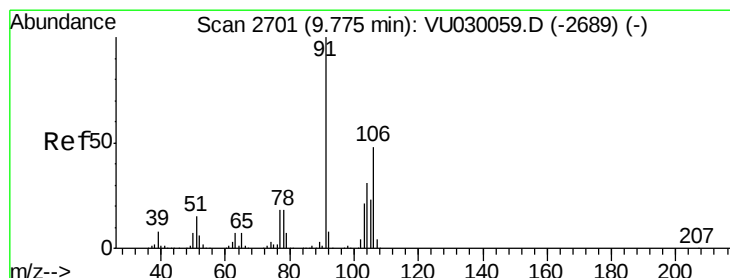
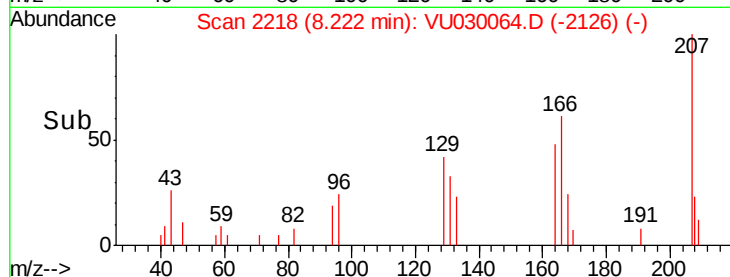
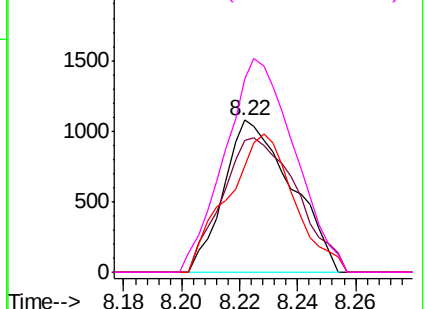


Abundance Ion 164.00 (163.70 to 164.70): V

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



#54

o-xylene

Concen: 1.017 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030064.D

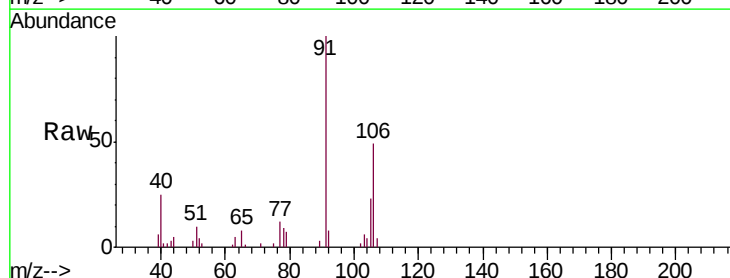
Acq: 14 Mar 2019 11:22

Tgt Ion:106 Resp: 6019

Ion Ratio Lower Upper

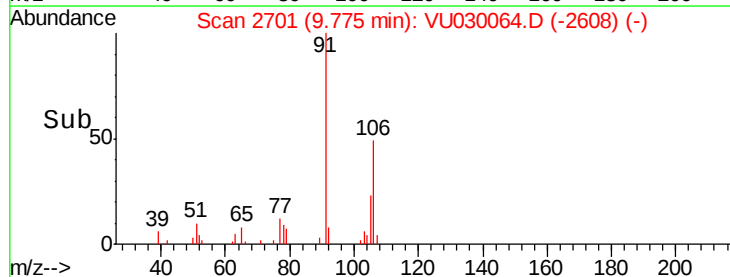
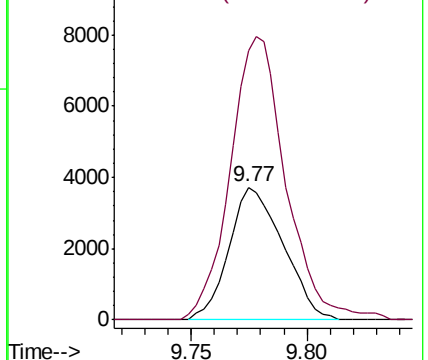
106 100

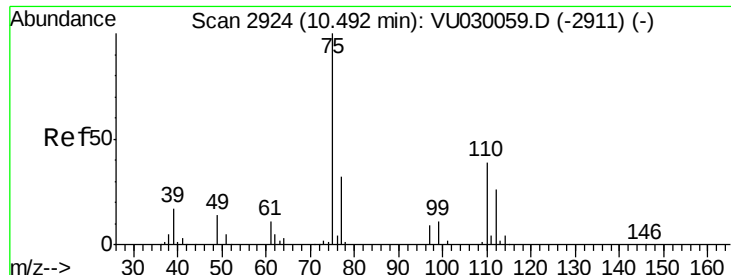
91 202.7 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.450 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030064.D

Acq: 14 Mar 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

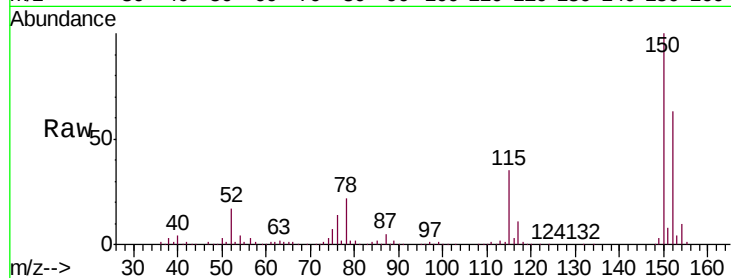
C0962

Tgt Ion: 75 Resp: 24289

Ion Ratio Lower Upper

75 100

77 36.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

