

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

Quant Time: Jan 31 04:04:36 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

					Qvalue
3) Chloromethane	1.54	50	2284	0.943 ug/L	98
5) Vinyl chloride	1.62	62	149100	57.705 ug/L	98
12) 1,1-Dichloroethene	2.60	96	2188	1.178 ug/L #	1
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	4.49	43	6327	4.095 ug/L	74
25) Chloroform	5.13	83	38456	10.541 ug/L	100
34) Trichloroethene	6.58	95	189447	88.905 ug/L	98
35) Methylcyclohexane	6.73	83	25401	7.147 ug/L #	25
39) cis-1,3-Dichloropropene	7.60	75	2835	0.836 ug/L #	51
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
48) 2-Hexanone	8.67	43	12132	5.971 ug/L #	67

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
Quantitation Report (Not Reviewed)

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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)

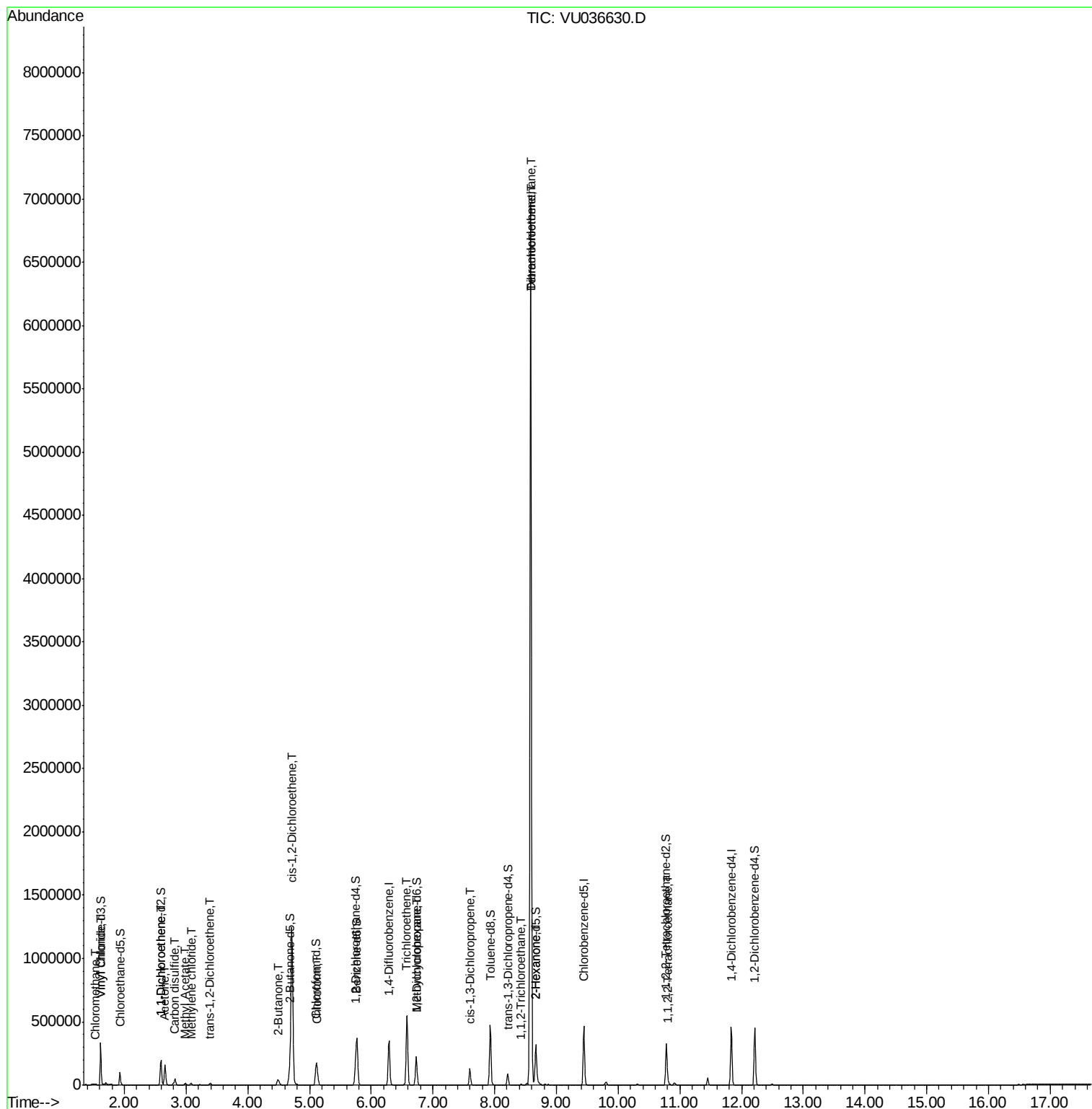
49) Dibromochloromethane	8.58	129	1530676	685.138	ug/L #	11
58) 1,1,2,2-Tetrachloroethane	10.81	83	15207	4.179	ug/L	98

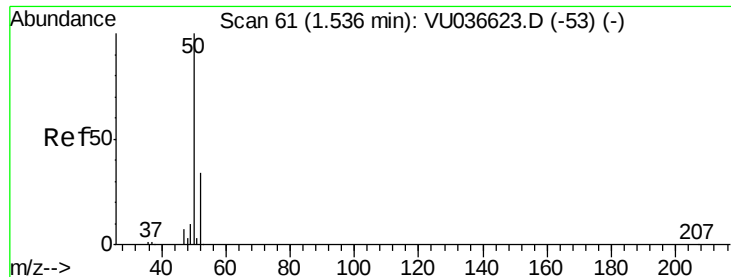
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

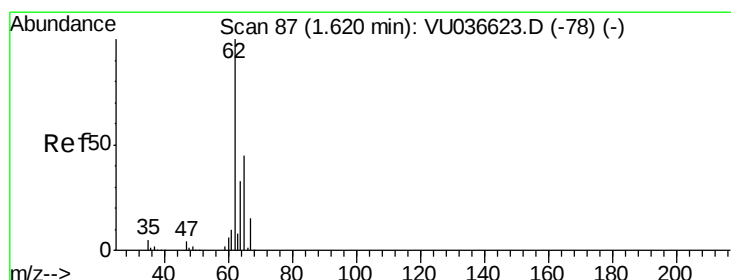
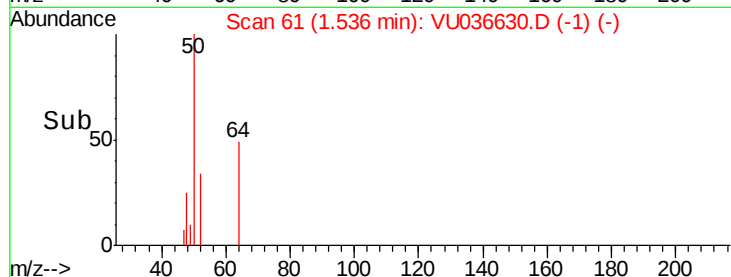
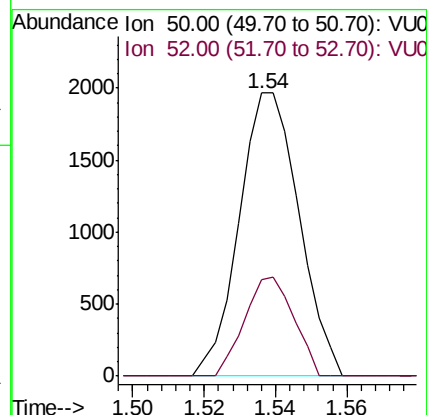
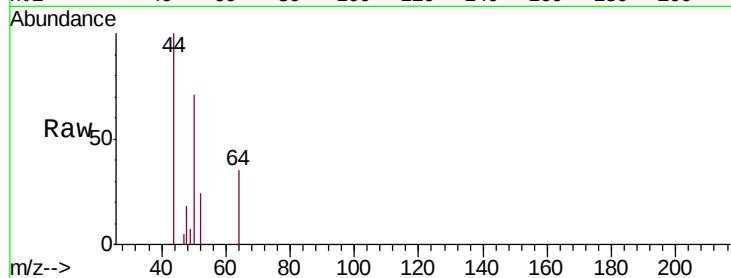
DBCS8

Tgt Ion: 50 Resp: 2284

Ion Ratio Lower Upper

50 100

52 34.0 23.2 43.0



#5

Vinyl chloride

Concen: 57.705 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036630.D

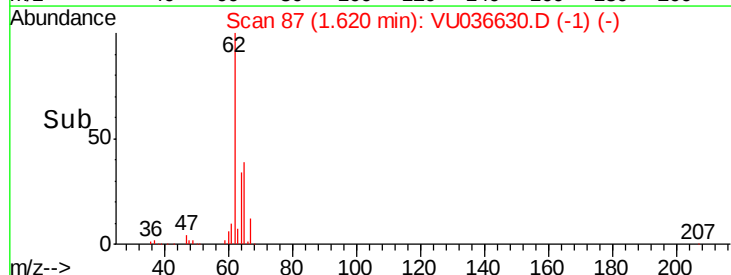
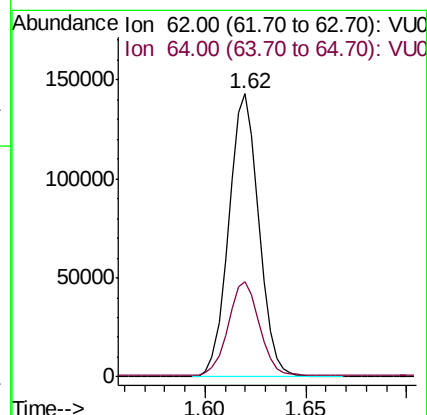
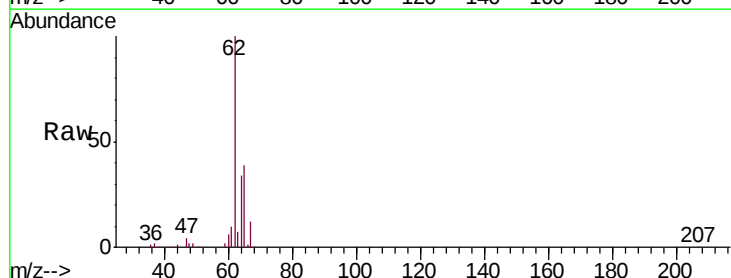
Acq: 30 Jan 2020 19:59

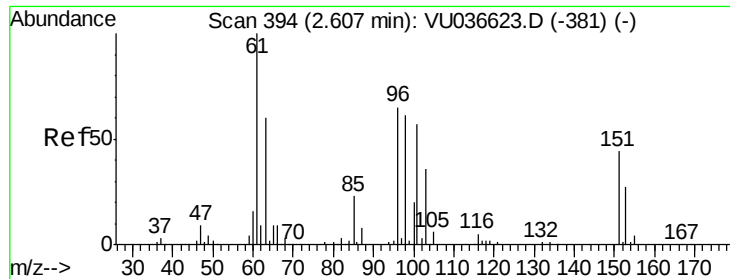
Tgt Ion: 62 Resp: 149100

Ion Ratio Lower Upper

62 100

64 33.9 22.9 42.5





#12

1,1-Dichloroethene

Concen: 1.178 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036630.D

Acq: 30 Jan 2020 19:59

Instrument :

MSVOA_U

ClientSampleId :

DBCS8

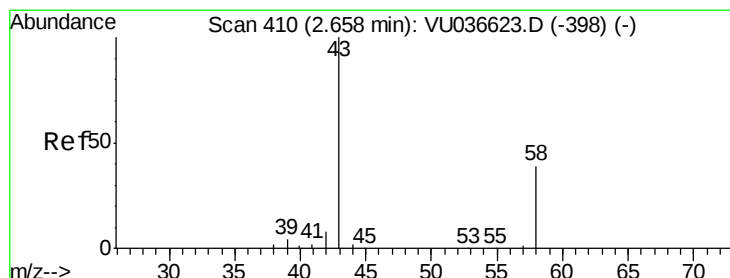
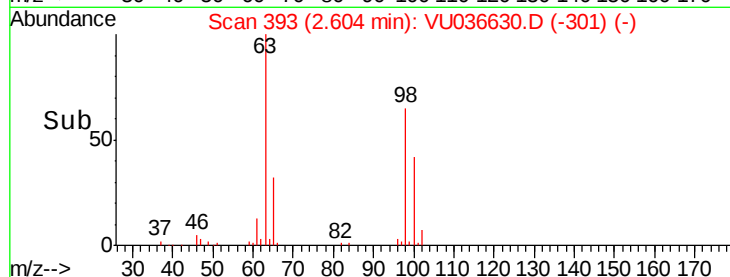
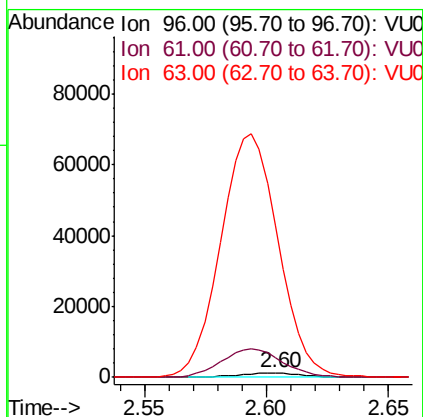
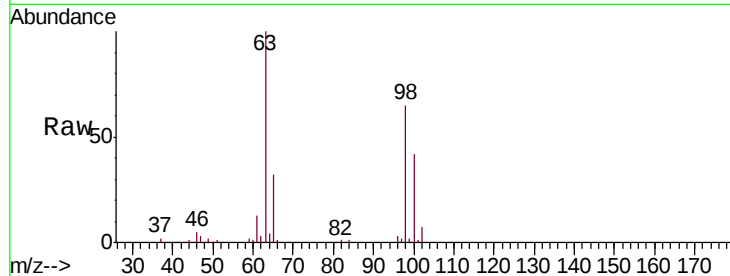
Tgt Ion: 96 Resp: 2188

Ion Ratio Lower Upper

96 100

61 456.7 108.6 201.8#

63 3529.3 75.0 139.2#



#13

Acetone

Concen: 130.714 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036630.D

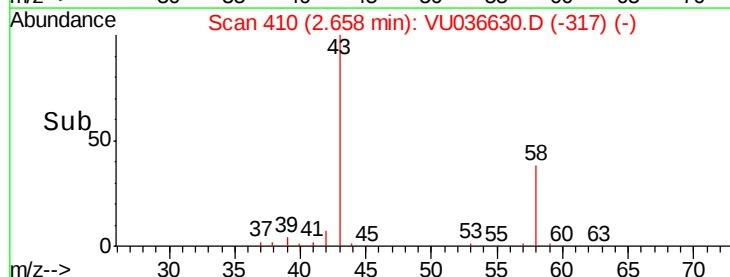
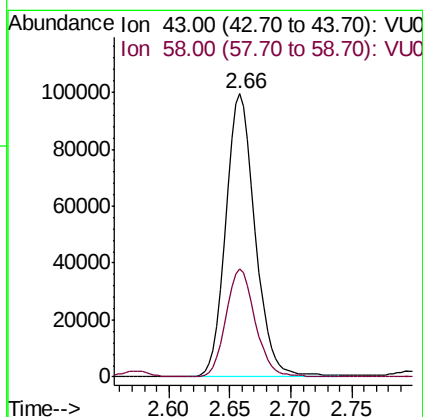
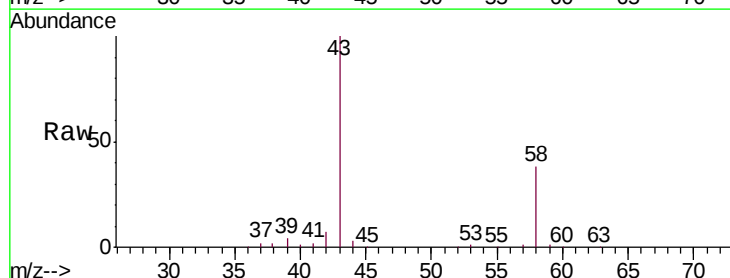
Acq: 30 Jan 2020 19:59

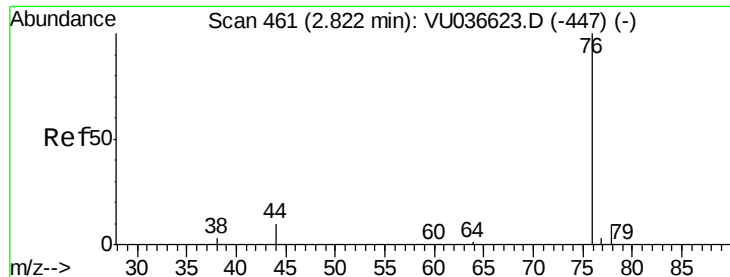
Tgt Ion: 43 Resp: 168102

Ion Ratio Lower Upper

43 100

58 38.1 0.0 75.4





#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

Instrument :

MSVOA_U

ClientSampleId :

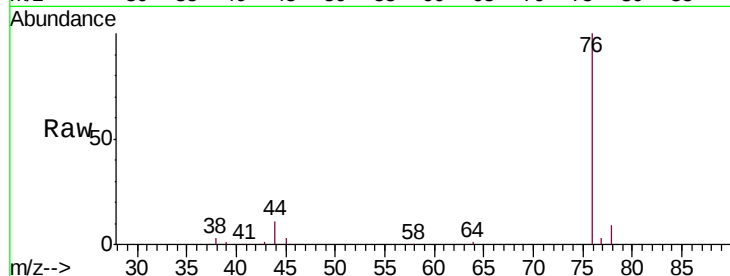
DBCS8

Tgt Ion: 76 Resp: 62957

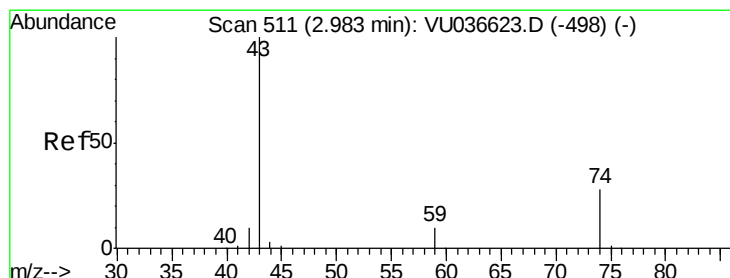
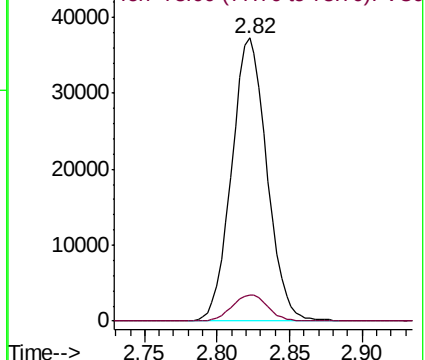
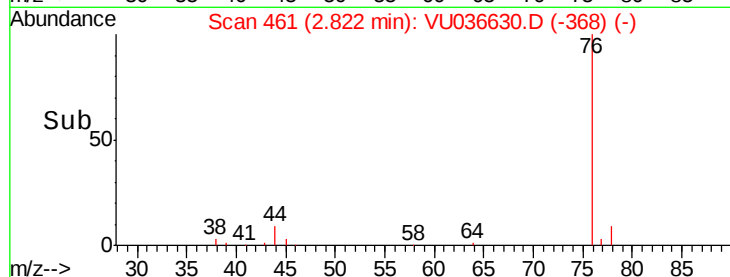
Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU036630.D (-368) (-)



#15

Methyl Acetate

Concen: 7.514 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU036630.D

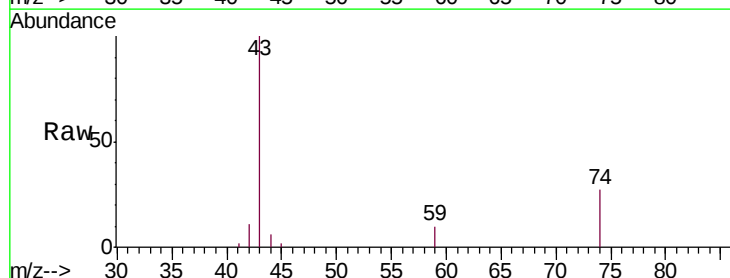
Acq: 30 Jan 2020 19:59

Tgt Ion: 43 Resp: 15108

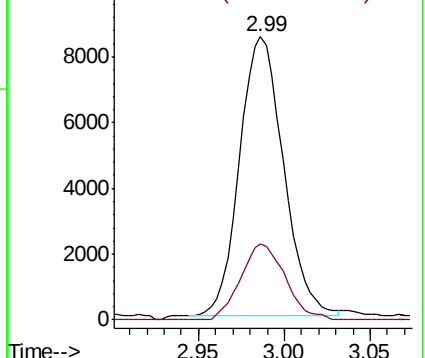
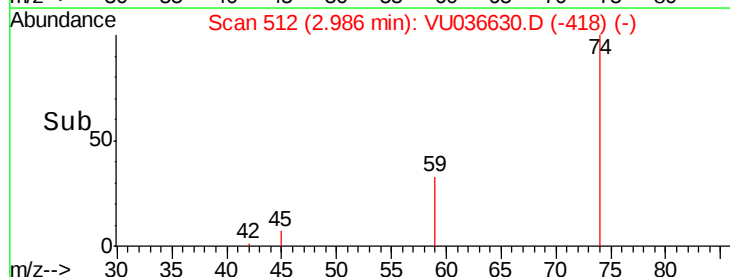
Ion Ratio Lower Upper

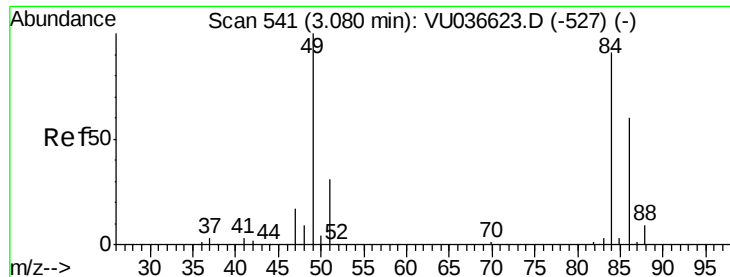
43 100

74 27.6 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VU036630.D (-418) (-)

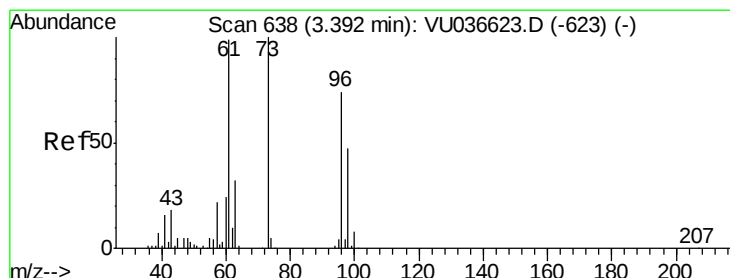
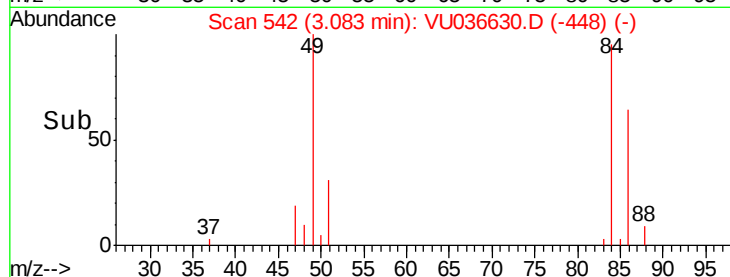
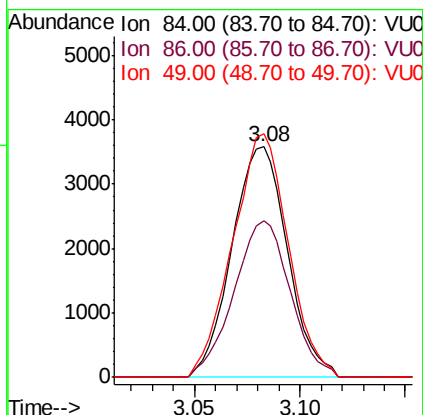
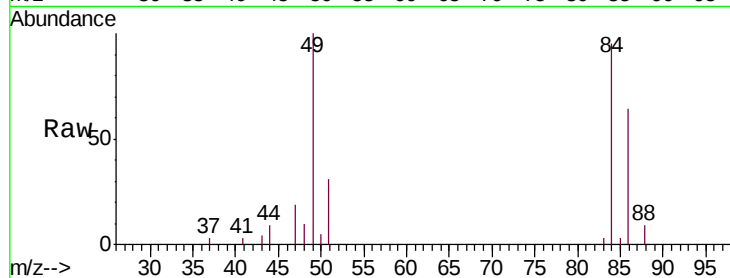




#16
Methylene chloride
Concen: 2.909 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

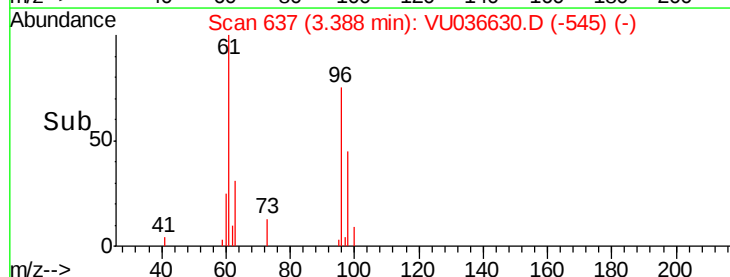
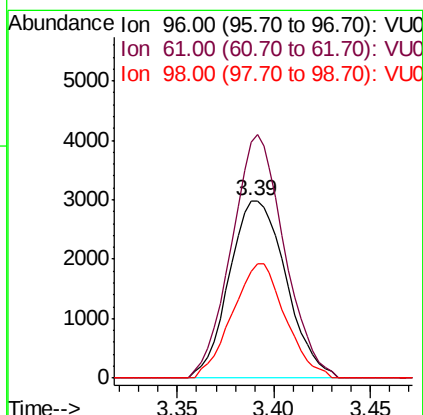
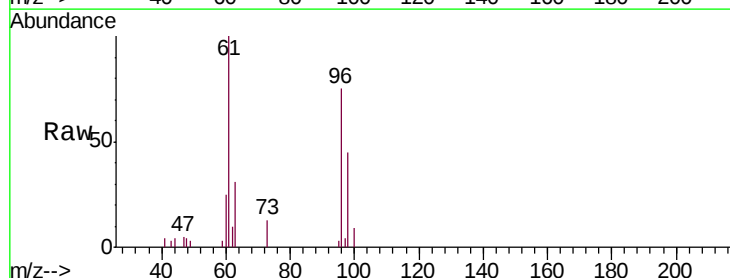
Instrument :
MSVOA_U
ClientSampleId :
DBCS8

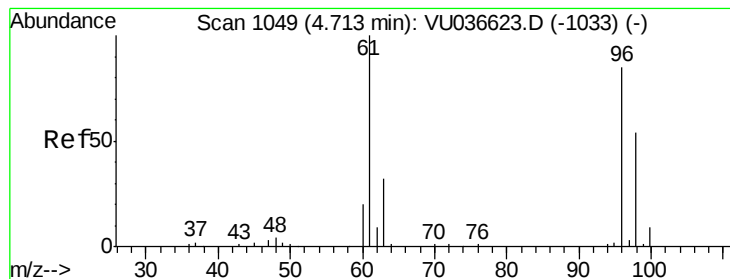
Tgt Ion: 84 Resp: 6553
Ion Ratio Lower Upper
84 100
86 68.0 44.1 81.9
49 105.6 73.3 136.1



#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

Tgt Ion: 96 Resp: 6098
Ion Ratio Lower Upper
96 100
61 133.0 93.4 173.4
98 60.0 46.1 85.5





#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

Instrument :

MSVOA_U

ClientSampleId :

DBCS8

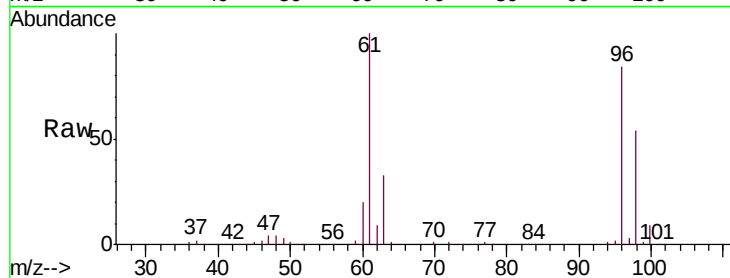
Tgt Ion: 96 Resp: 678139

Ion Ratio Lower Upper

96 100

61 119.5 82.2 152.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036630.D (-956) (-)

500000

Ion 61.00 (60.70 to 61.70): VU036630.D (-956) (-)

400000

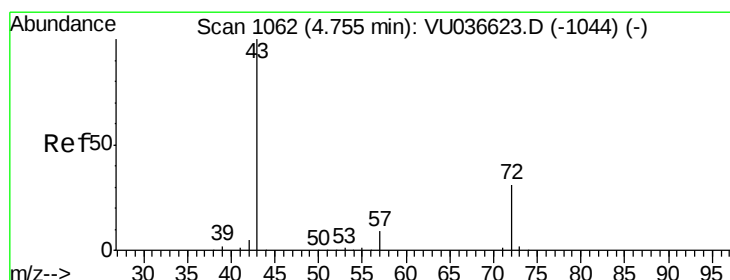
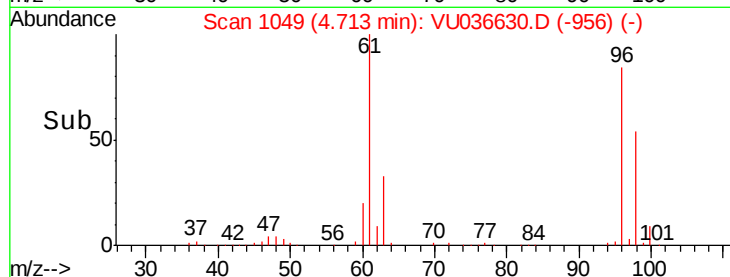
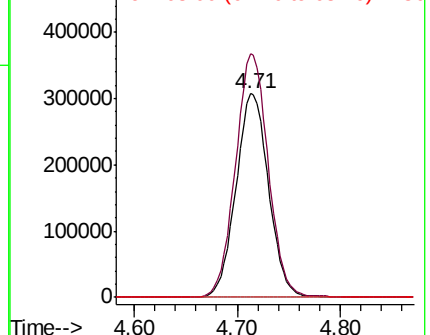
Ion 68.00 (67.70 to 68.70): VU036630.D (-956) (-)

300000

200000

100000

0



#22

2-Butanone

Concen: 4.095 ug/L

RT: 4.49 min Scan# 981

Delta R.T. -0.26 min

Lab File: VU036630.D

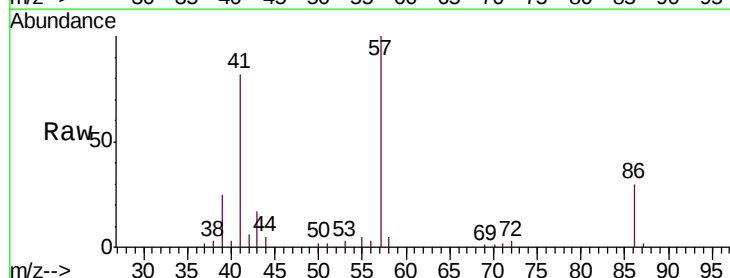
Acq: 30 Jan 2020 19:59

Tgt Ion: 43 Resp: 6327

Ion Ratio Lower Upper

43 100

72 18.6 16.7 50.1



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

2500

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

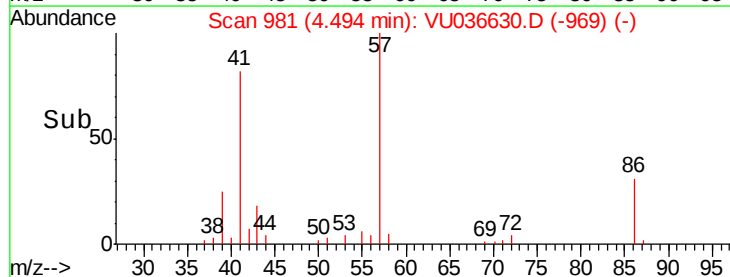
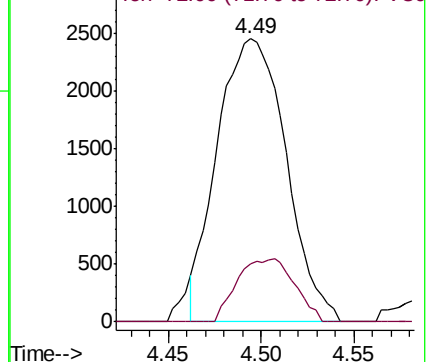
2000

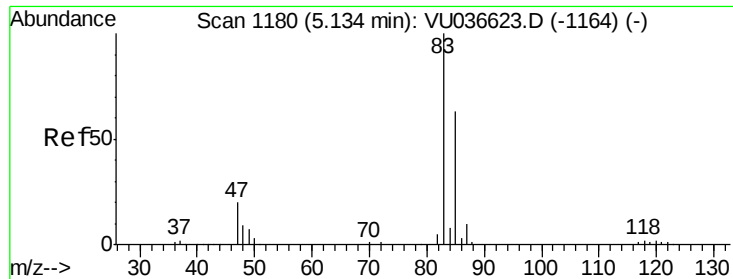
1500

1000

500

0





#25

Chloroform

Concen: 10.541 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

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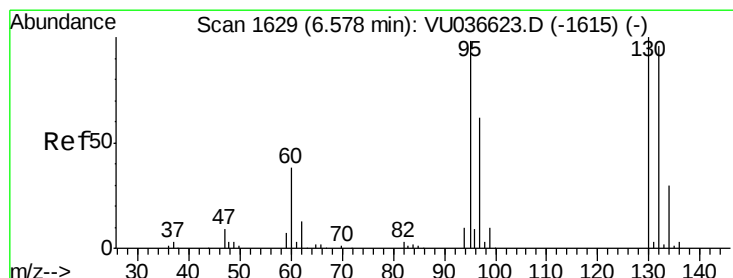
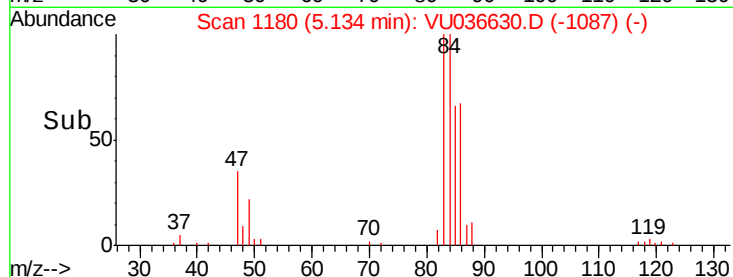
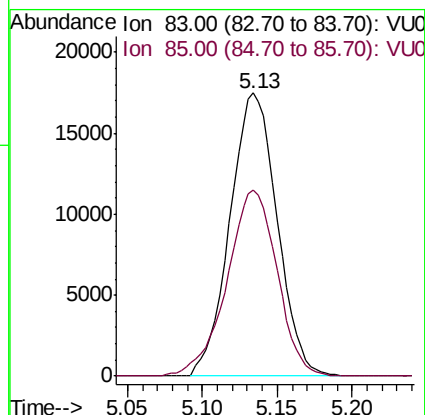
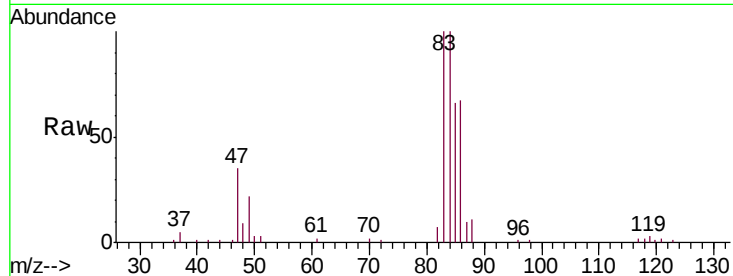
DBCS8

Tgt Ion: 83 Resp: 38456

Ion Ratio Lower Upper

83 100

85 66.0 46.3 85.9



#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

Tgt Ion: 95 Resp: 189447

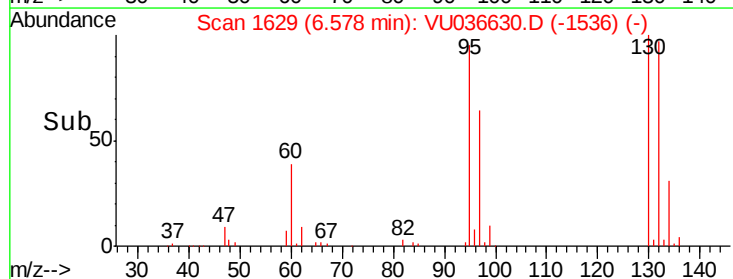
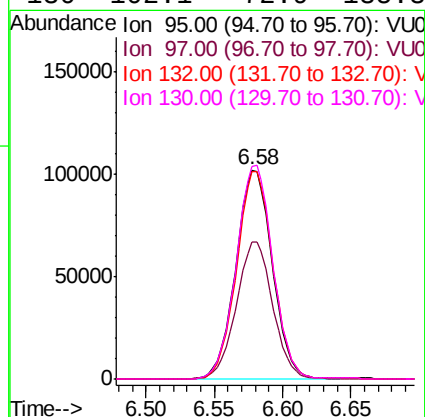
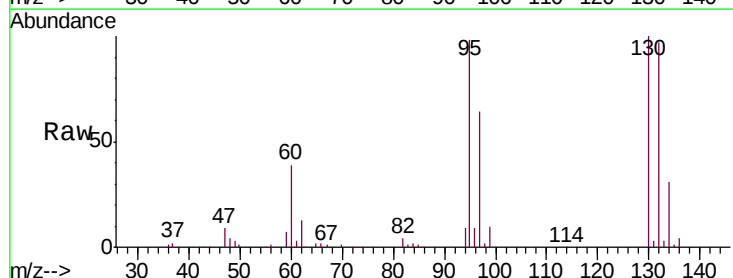
Ion Ratio Lower Upper

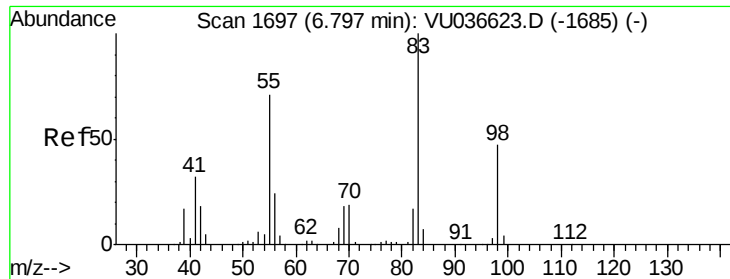
95 100

97 65.4 45.5 84.5

132 99.3 70.9 131.7

130 102.1 72.9 135.3

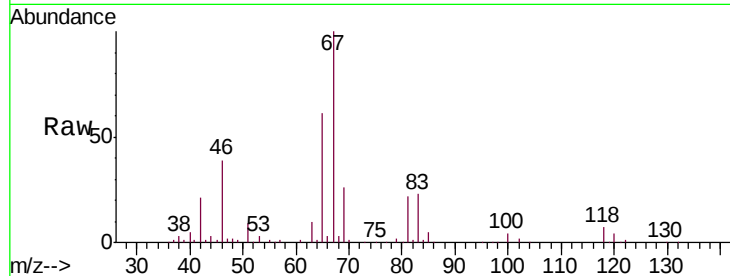




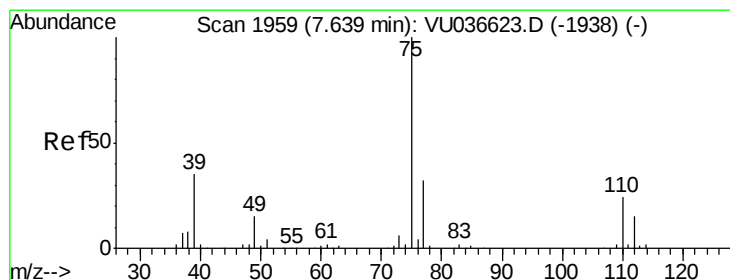
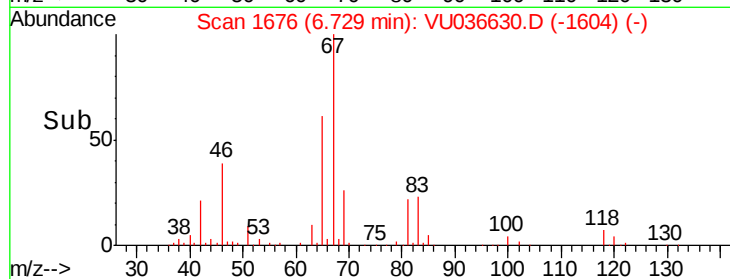
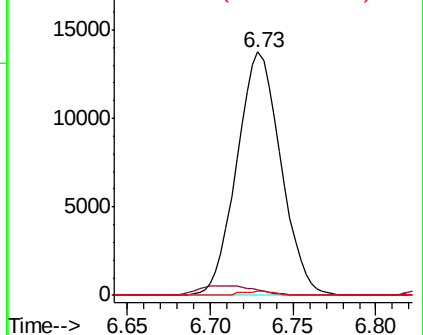
#35
Methylcyclohexane
Concen: 7.147 ug/L
RT: 6.73 min Scan# 1676
Delta R.T. -0.07 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

Instrument :
MSVOA_U
ClientSampleId :
DBCS8

Tgt Ion: 83 Resp: 25401
Ion Ratio Lower Upper
83 100
55 5.1 56.1 84.1#
98 1.2 37.5 56.3#

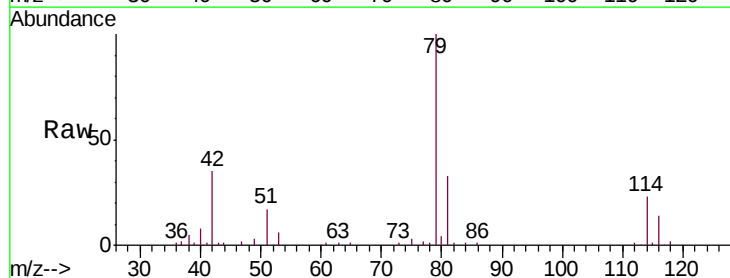


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

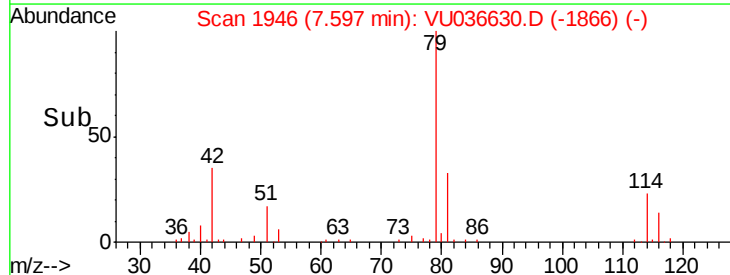
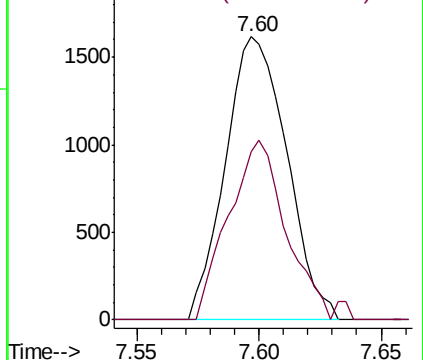


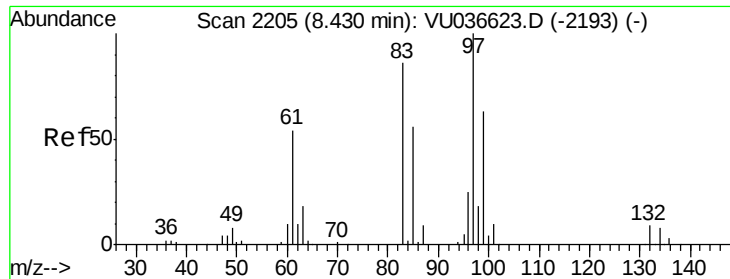
#39
cis-1,3-Dichloropropene
Concen: 0.836 ug/L
RT: 7.60 min Scan# 1946
Delta R.T. -0.04 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

Tgt Ion: 75 Resp: 2835
Ion Ratio Lower Upper
75 100
77 59.6 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

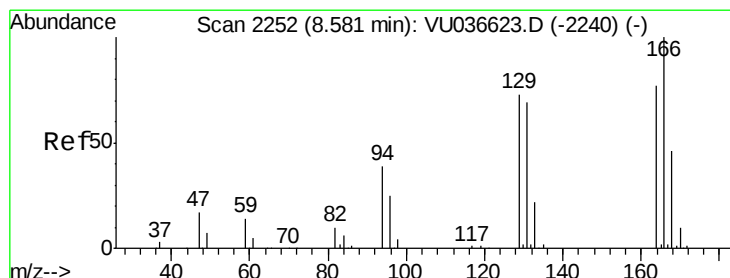
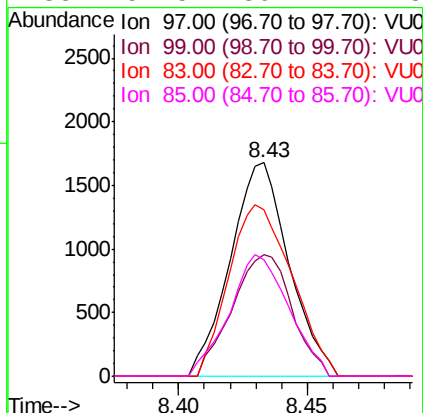
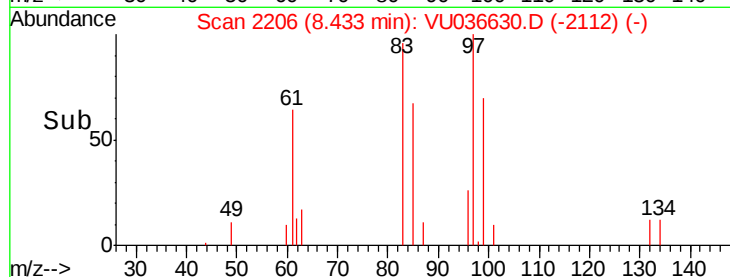
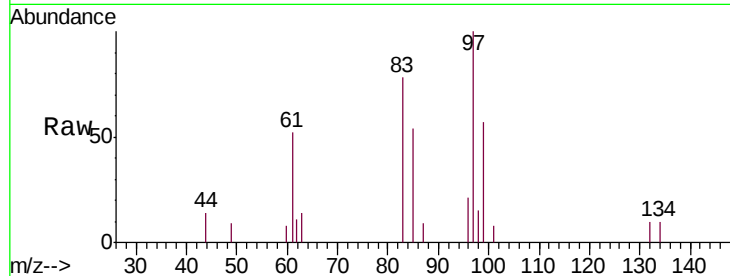




#45
 1,1,2-Trichloroethane
 Concen: 1.263 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036630.D
 Acq: 30 Jan 2020 19:59

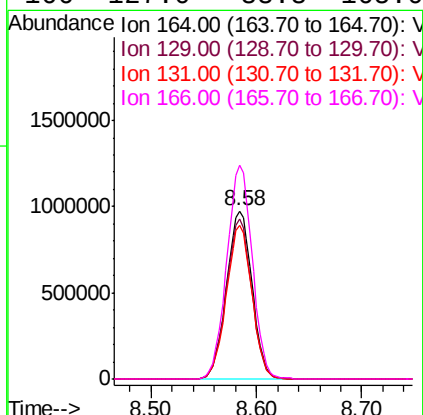
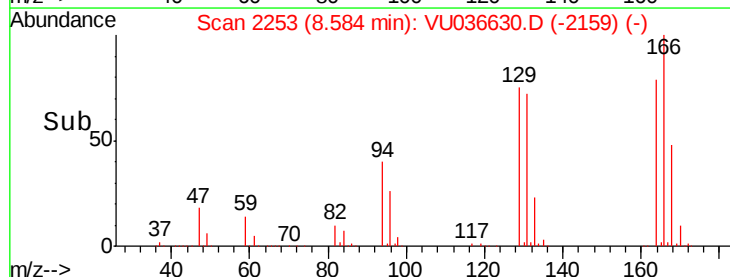
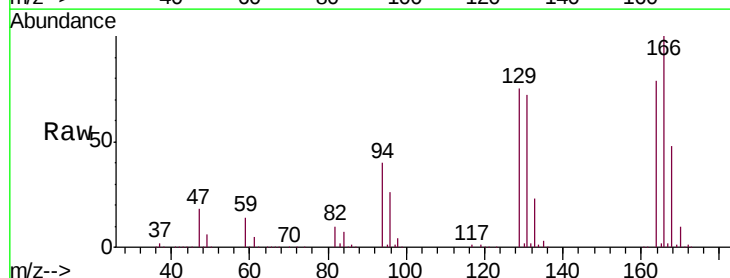
Instrument :
 MSVOA_U
 ClientSampled :
 DBCS8

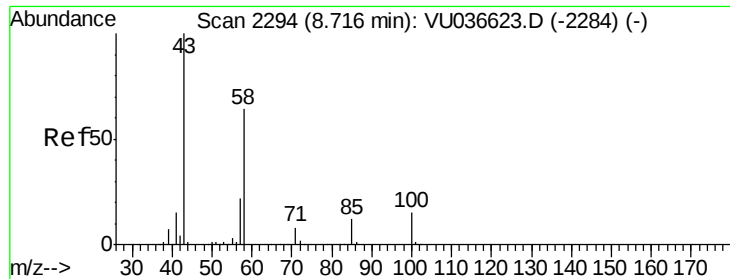
Tgt Ion:	97	Resp:	2665
Ion	Ratio	Lower	Upper
97	100		
99	56.9	44.1	81.9
83	77.7	61.2	113.6
85	54.5	39.2	72.8



#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

Tgt 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

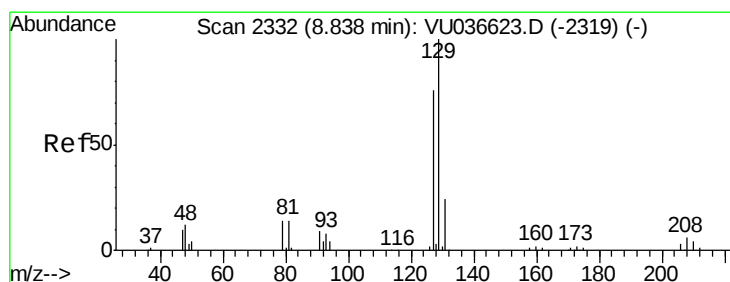
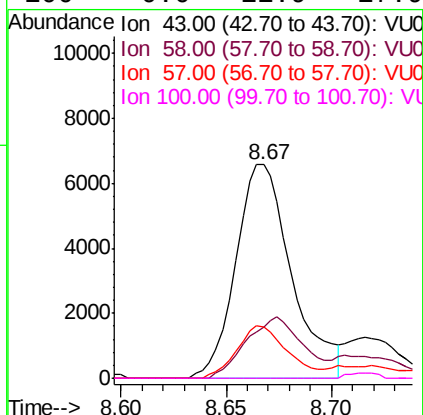
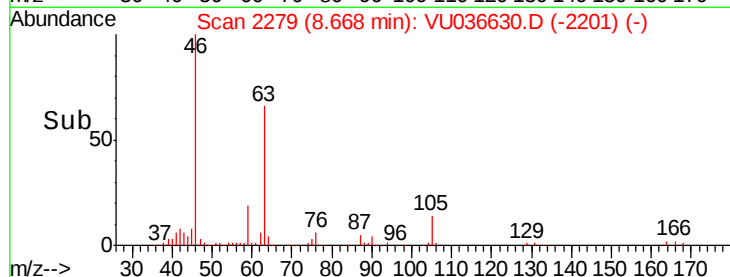
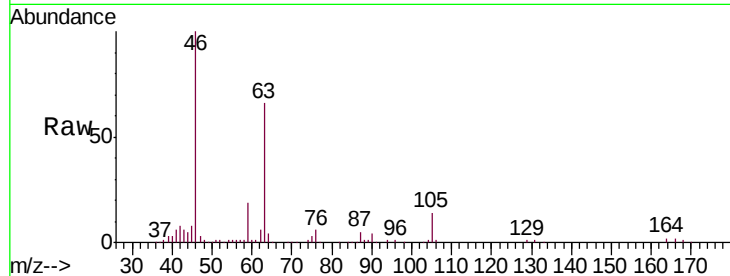




#48
2-Hexanone
Concen: 5.971 ug/L
RT: 8.67 min Scan# 2279
Delta R.T. -0.05 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

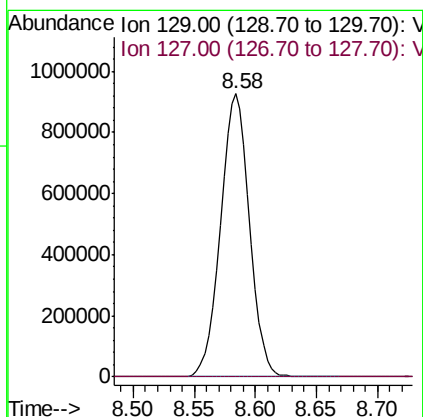
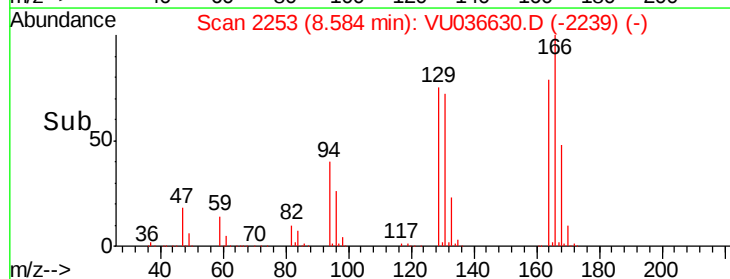
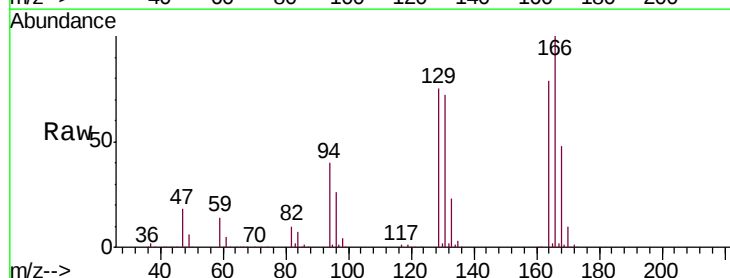
Instrument :
MSVOA_U
ClientSampleId :
DBCS8

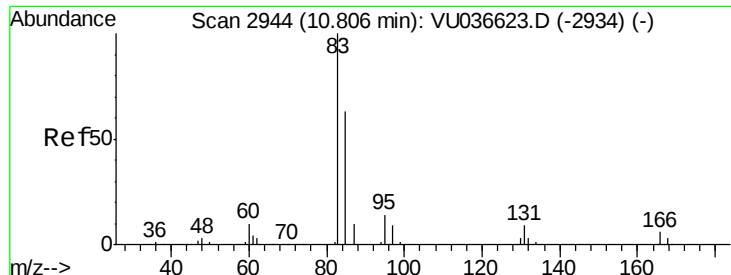
Tgt Ion: 43 Resp: 12132
Ion Ratio Lower Upper
43 100
58 28.6 49.4 74.0#
57 22.4 17.1 25.7
100 0.0 11.9 17.9#



#49
Dibromochloromethane
Concen: 685.138 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.25 min
Lab File: VU036630.D
Acq: 30 Jan 2020 19:59

Tgt Ion: 129 Resp: 1530676
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.2#





#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
 Acq: 30 Jan 2020 19:59

Instrument :
 MSVOA_U
 ClientSampleId :
 DBCS8

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

