

Data File : VU036628.D
Acq On : 30 Jan 2020 19:12
Operator : JC/MD
Sample : L1326-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCS4

Quant Time: Jan 31 04:04:17 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	297325	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	270860	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	132705	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	89333	40.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.22%
7) Chloroethane-d5	1.93	69	78149	40.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	2.59	63	117015	32.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.00%
21) 2-Butanone-d5	4.68	46	145211	109.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.85%
24) Chloroform-d	5.11	84	166154	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	5.75	65	99223	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.30%
32) Benzene-d6	5.77	84	347707	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.28%
36) 1,2-Dichloropropane-d6	6.73	67	109628	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.34%
41) Toluene-d8	7.93	98	328800	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%
43) trans-1,3-Dichloropropene-	8.21	79	53161	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.16%
47) 2-Hexanone-d5	8.67	63	119192	108.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.26%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	167613	48.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.02%
64) 1,2-Dichlorobenzene-d4	12.21	152	127503	44.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.54%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	15543	6.447 ug/L	98
5) Vinyl chloride	1.62	62	588657	228.979 ug/L	100
12) 1,1-Dichloroethene	2.61	96	6935	3.753 ug/L #	1
13) Acetone	2.66	43	140189	109.562 ug/L	98
14) Carbon disulfide	2.82	76	138220	24.755 ug/L	100
16) Methylene chloride	3.08	84	41390	18.466 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	92829	46.761 ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	3833473	1698.790 ug/L	97
22) 2-Butanone	4.76	43	8271	5.380 ug/L #	43
25) Chloroform	5.13	83	238825	65.795 ug/L	99
27) 1,2-Dichloroethane	5.84	62	12149	4.473 ug/L #	93
34) Trichloroethene	6.58	95	1558744	747.807 ug/L	98
37) 1,2-Dichloropropane	6.58	63	4542	2.207 ug/L	98
39) cis-1,3-Dichloropropene	7.60	75	2738	0.826 ug/L #	70
40) 4-Methyl-2-pentanone	7.84	43	6886	2.606 ug/L #	41
45) 1,1,2-Trichloroethane	8.43	97	25066	12.141 ug/L	99
46) Tetrachloroethene	8.59	164	5027973	2969.276 ug/L	97

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

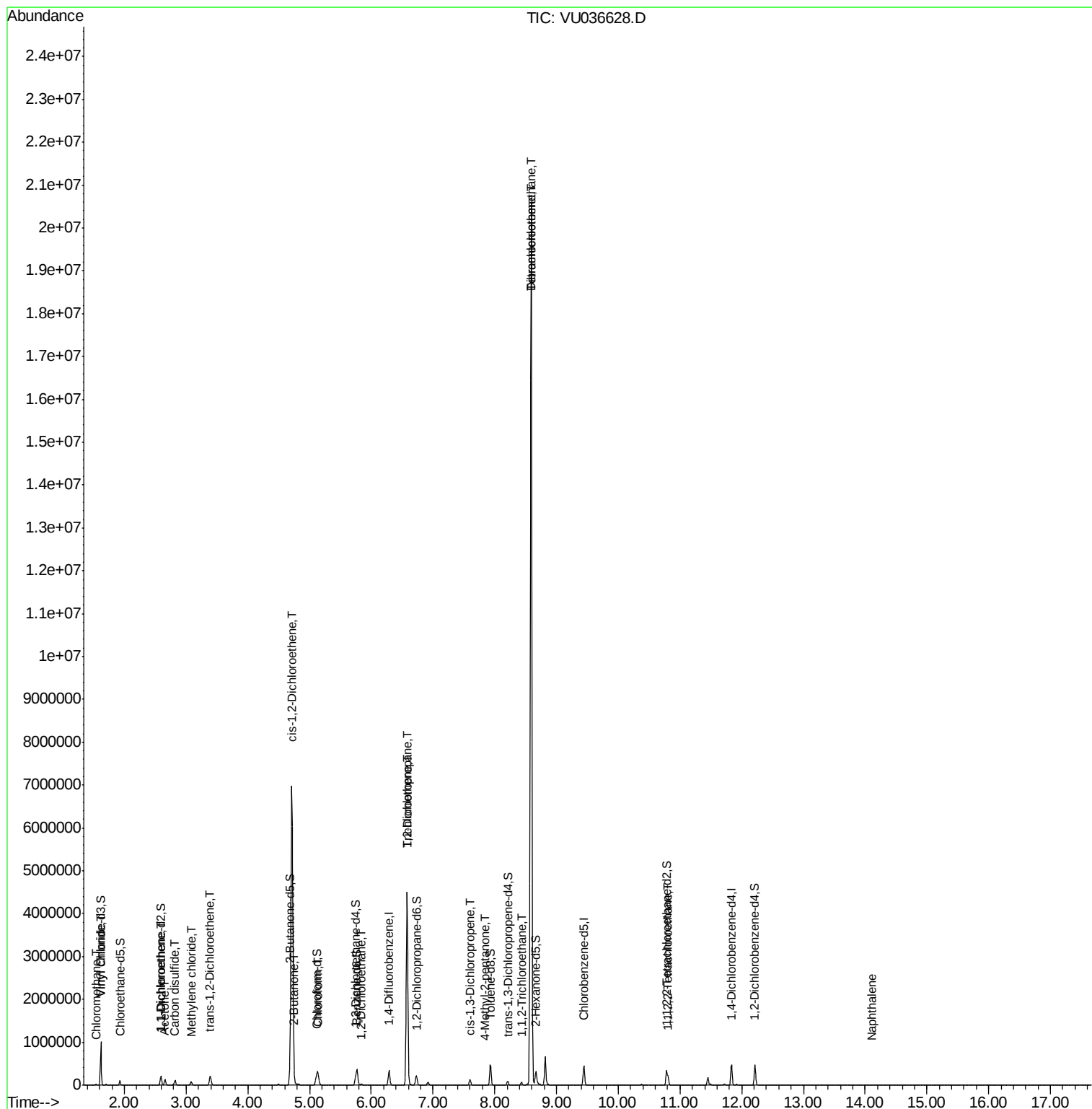
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.59	129	4778904	2186.743	ug/L	# 11
58) 1,1,2,2-Tetrachloroethane	10.81	83	98213	27.594	ug/L	99
69) Naphthalene	14.11	128	4932	0.773	ug/L	97

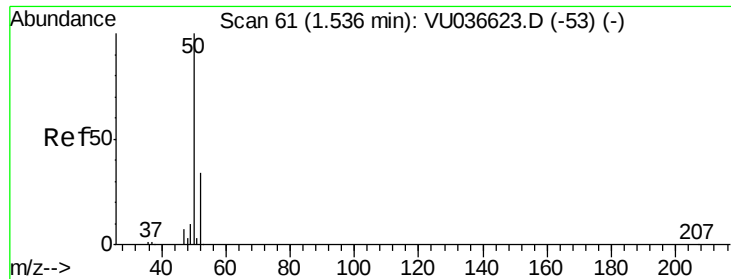
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 6.447 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036628.D

Acq: 30 Jan 2020 19:12

Instrument :

MSVOA_U

ClientSampleId :

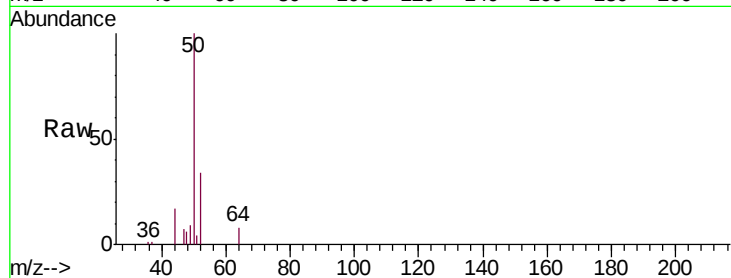
DBCS4

Tgt Ion: 50 Resp: 15543

Ion Ratio Lower Upper

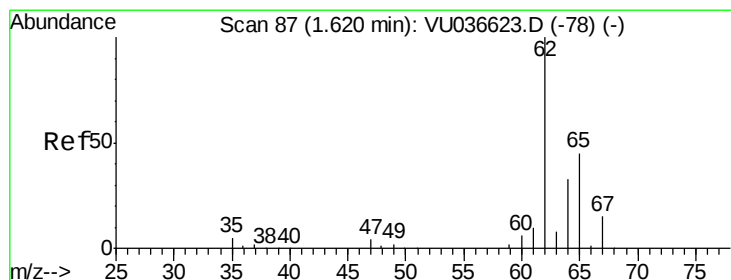
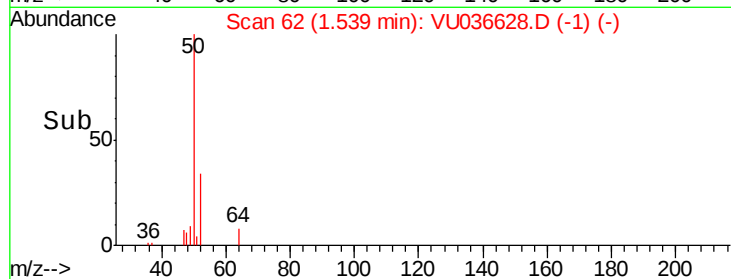
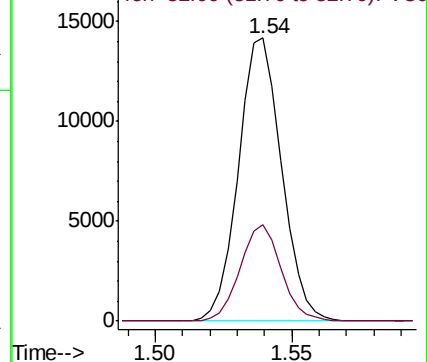
50 100

52 34.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#5

Vinyl chloride

Concen: 228.979 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036628.D

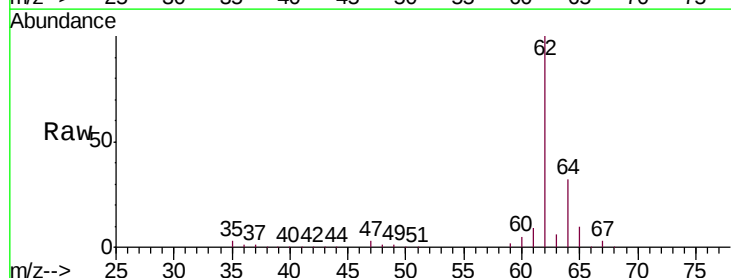
Acq: 30 Jan 2020 19:12

Tgt Ion: 62 Resp: 588657

Ion Ratio Lower Upper

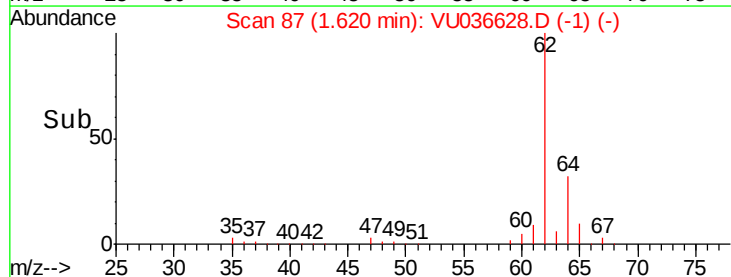
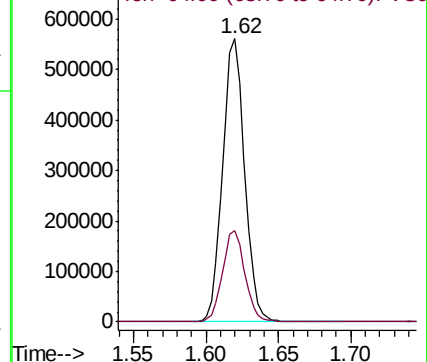
62 100

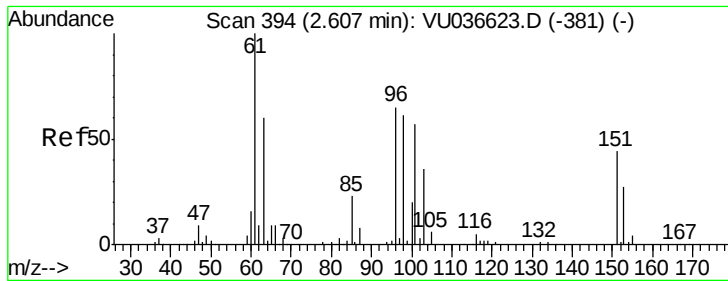
64 32.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#12

1,1-Dichloroethene

Concen: 3.753 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036628.D

Acq: 30 Jan 2020 19:12

Instrument :

MSVOA_U

ClientSampleId :

DBCS4

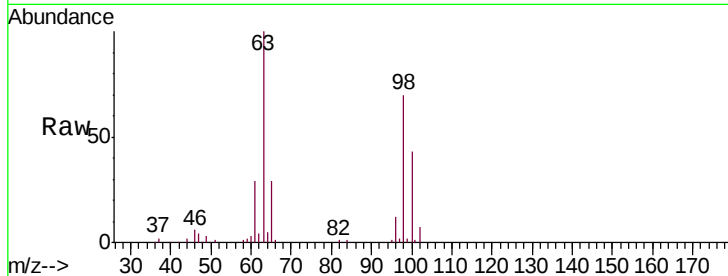
Tgt Ion: 96 Resp: 6935

Ion Ratio Lower Upper

96 100

61 235.2 108.6 201.8#

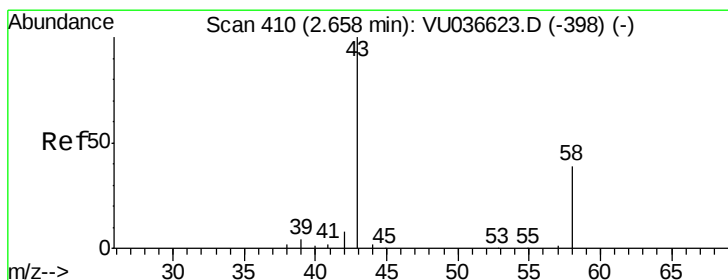
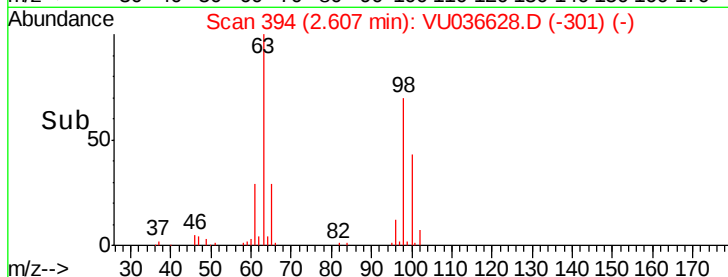
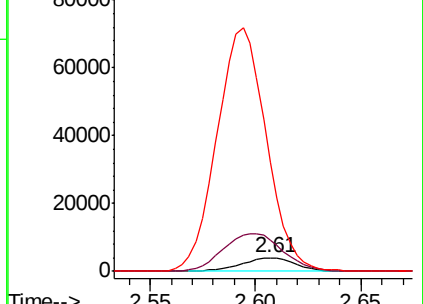
63 813.3 75.0 139.2#



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: 109.562 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036628.D

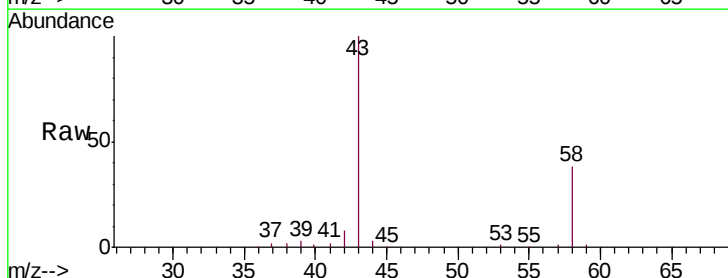
Acq: 30 Jan 2020 19:12

Tgt Ion: 43 Resp: 140189

Ion Ratio Lower Upper

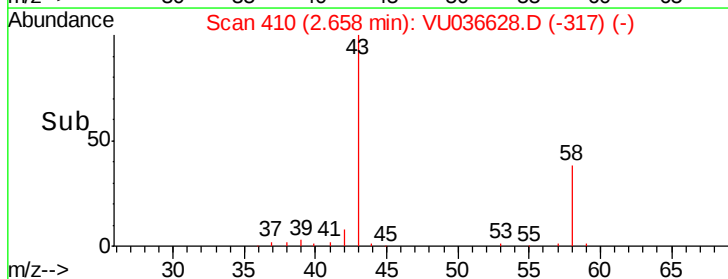
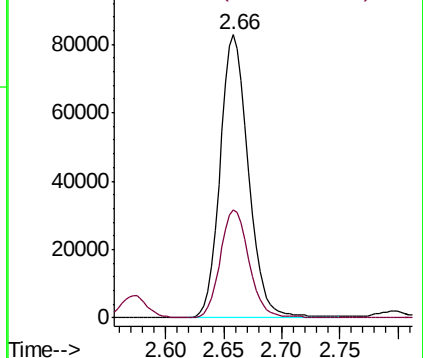
43 100

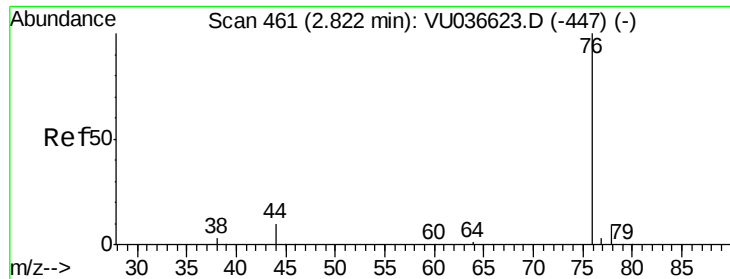
58 38.9 0.0 75.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 24.755 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036628.D

Acq: 30 Jan 2020 19:12

Instrument :

MSVOA_U

ClientSampleId :

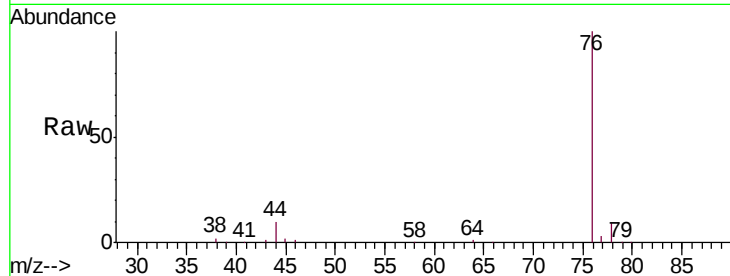
DBCS4

Tgt Ion: 76 Resp: 138220

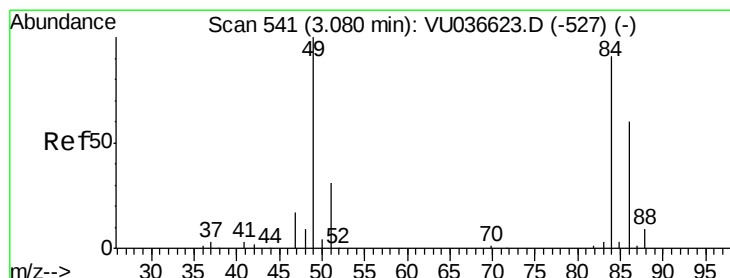
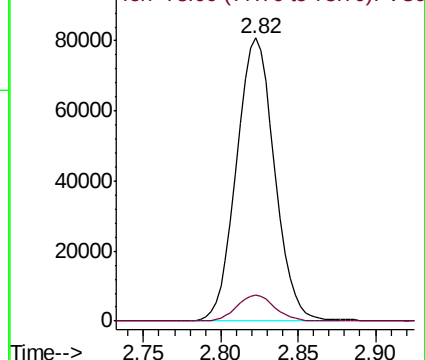
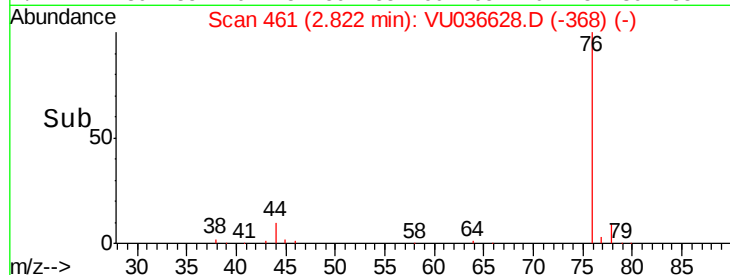
Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU036628.D (-368) (-)



#16

Methylene chloride

Concen: 18.466 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036628.D

Acq: 30 Jan 2020 19:12

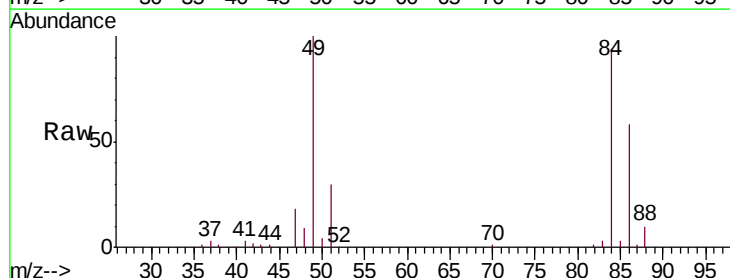
Tgt Ion: 84 Resp: 41390

Ion Ratio Lower Upper

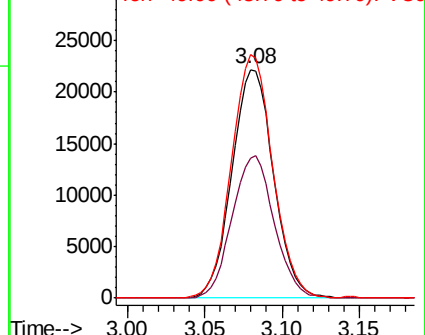
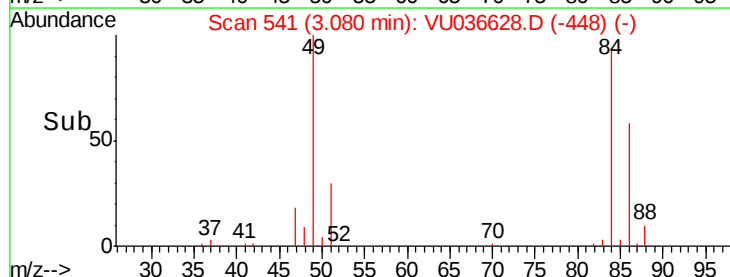
84 100

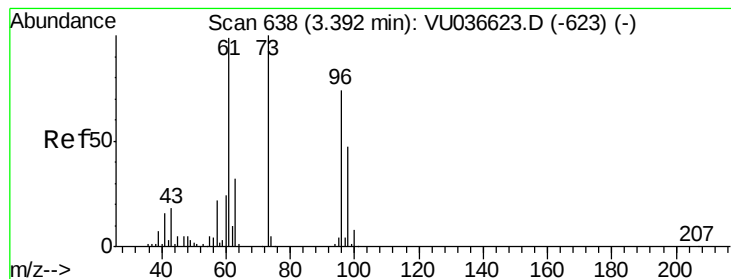
86 61.2 44.1 81.9

49 106.4 73.3 136.1



Abundance Ion 84.00 (83.70 to 84.70): VU036628.D (-448) (-)





#17

trans-1,2-Dichloroethene

Concen: 46.761 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036628.D

Acq: 30 Jan 2020 19:12

Instrument :

MSVOA_U

ClientSampleId :

DBCS4

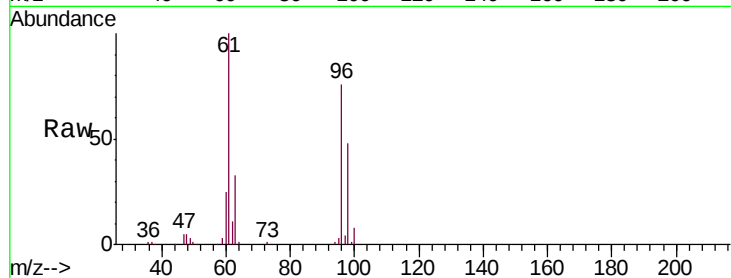
Tgt Ion: 96 Resp: 92829

Ion Ratio Lower Upper

96 100

61 131.0 93.4 173.4

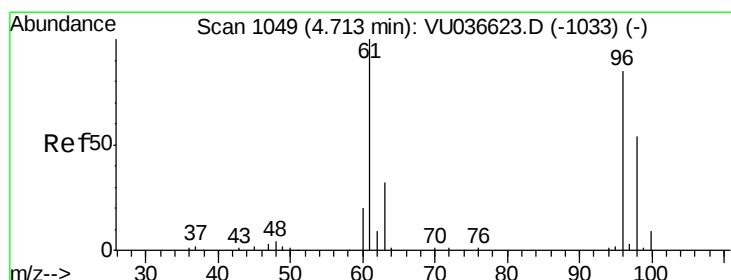
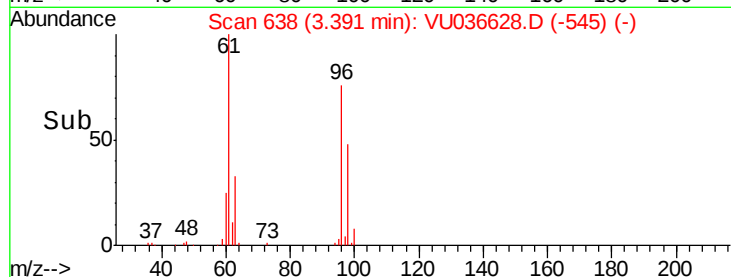
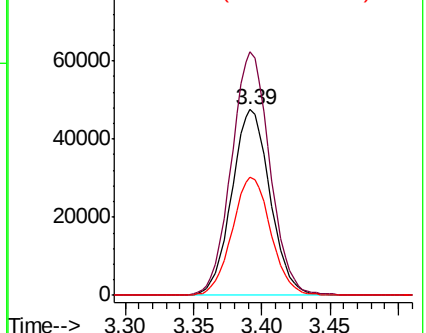
98 63.4 46.1 85.5



Abundance Ion 96.00 (95.70 to 96.70): VU036628.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036628.D (-956) (-)

Ion 98.00 (97.70 to 98.70): VU036628.D (-956) (-)



#20

cis-1,2-Dichloroethene

Concen: 1698.790 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036628.D

Acq: 30 Jan 2020 19:12

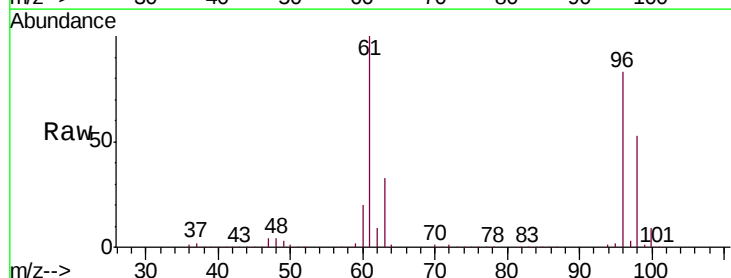
Tgt Ion: 96 Resp: 3833473

Ion Ratio Lower Upper

96 100

61 120.6 82.2 152.6

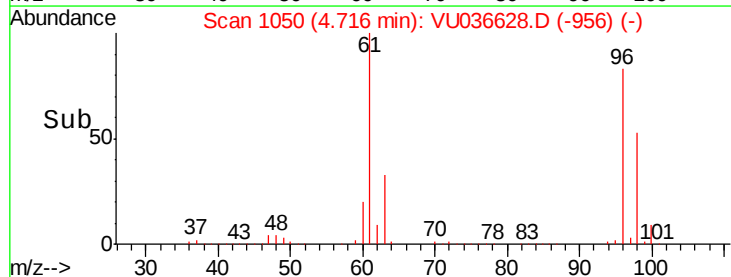
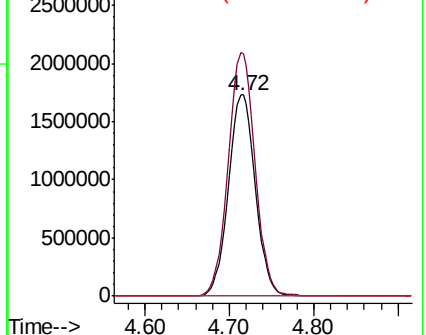
68 0.0 0.0 0.0

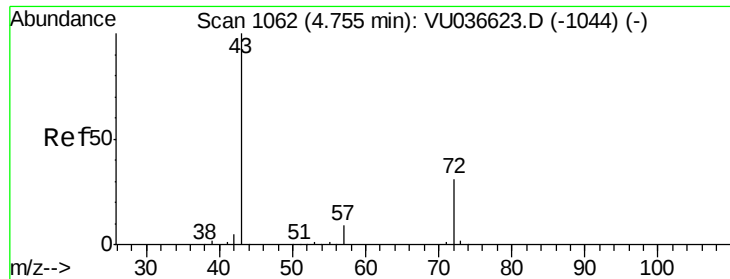


Abundance Ion 96.00 (95.70 to 96.70): VU036628.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036628.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036628.D (-956) (-)





#22

2-Butanone

Concen: 5.380 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VU036628.D

Acq: 30 Jan 2020 19:12

Instrument :

MSVOA_U

ClientSampleId :

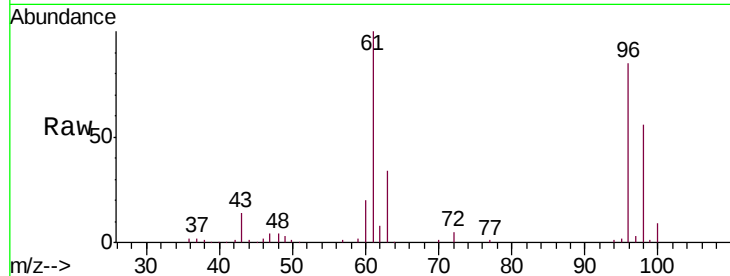
DBCS4

Tgt Ion: 43 Resp: 8271

Ion Ratio Lower Upper

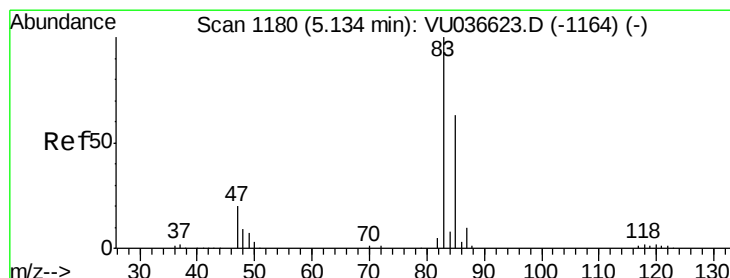
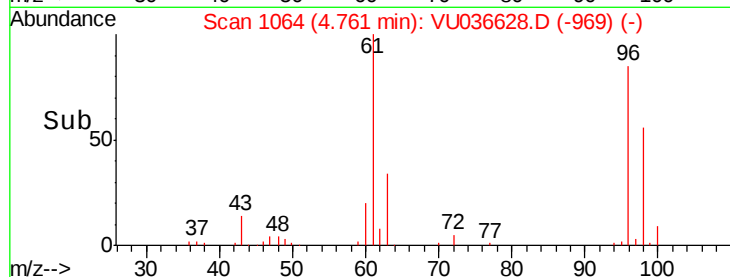
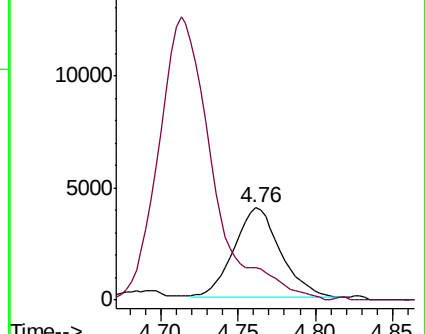
43 100

72 0.8 16.7 50.1#



Abundance Ion 43.00 (42.70 to 43.70): VU036628.D (-1044) (-)

Ion 72.00 (71.70 to 72.70): VU036628.D (-1044) (-)



#25

Chloroform

Concen: 65.795 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU036628.D

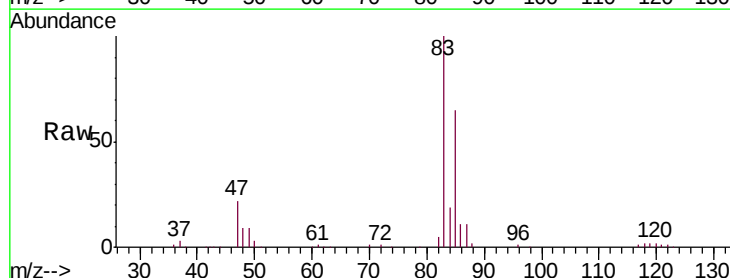
Acq: 30 Jan 2020 19:12

Tgt Ion: 83 Resp: 238825

Ion Ratio Lower Upper

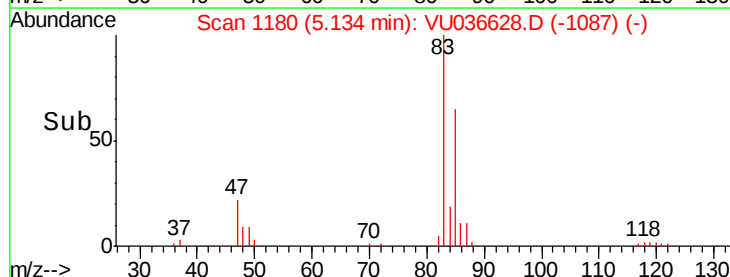
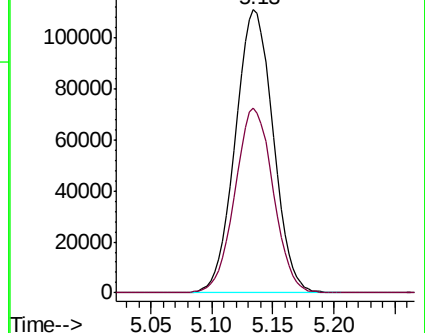
83 100

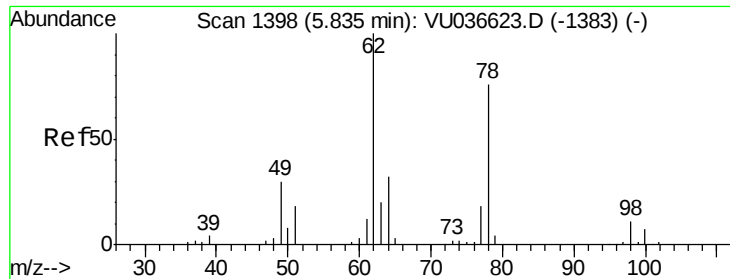
85 65.5 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VU036628.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU036628.D (-1087) (-)

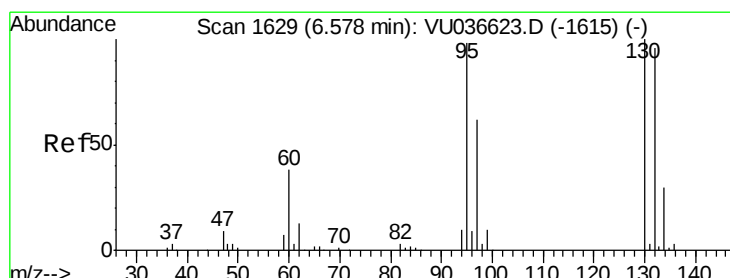
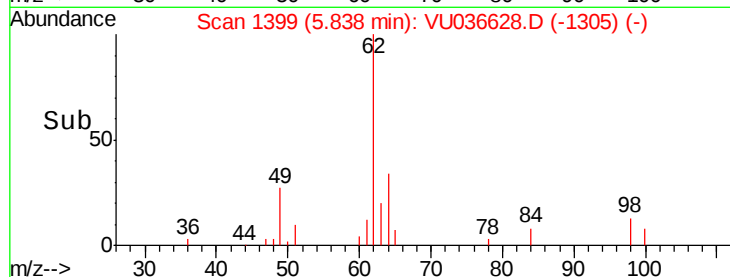
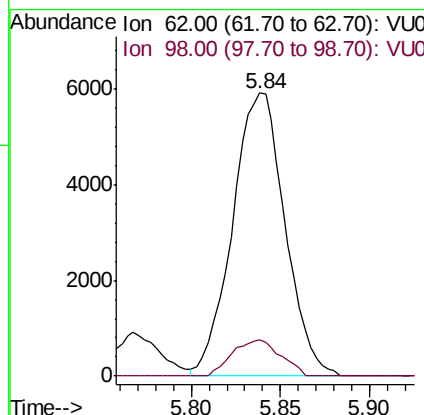
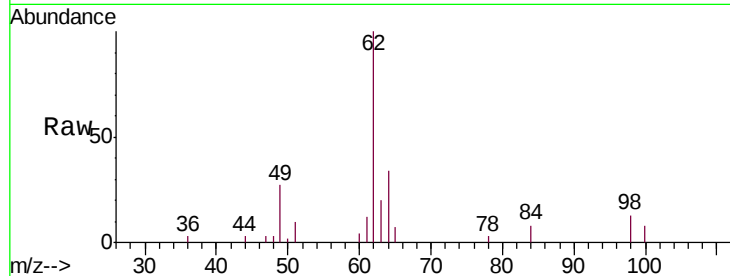




#27
 1,2-Dichloroethane
 Concen: 4.473 ug/L
 RT: 5.84 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: VU036628.D
 Acq: 30 Jan 2020 19:12

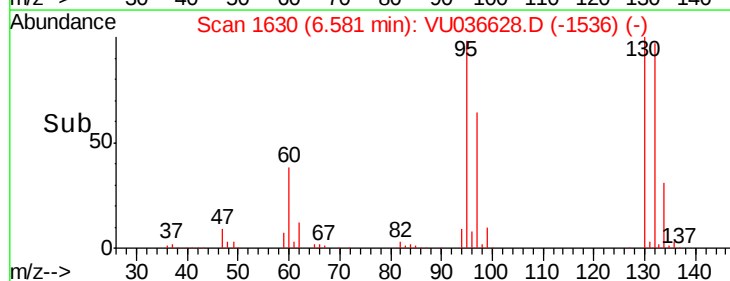
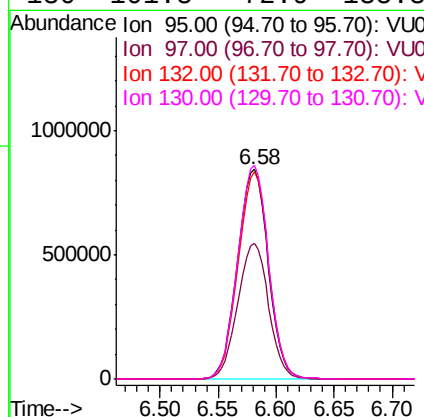
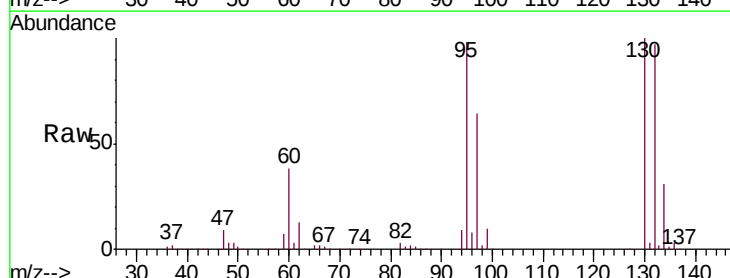
Instrument :
 MSVOA_U
 ClientSampleId :
 DBCS4

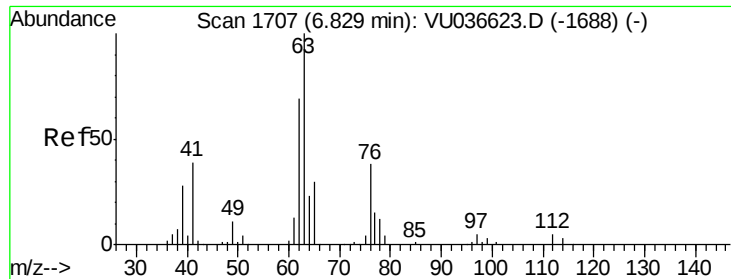
Tgt Ion: 62 Resp: 12149
 Ion Ratio Lower Upper
 62 100
 98 12.9 8.4 12.6#



#34
 Trichloroethene
 Concen: 747.807 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036628.D
 Acq: 30 Jan 2020 19:12

Tgt Ion: 95 Resp: 1558744
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.5 84.5
 132 98.6 70.9 131.7
 130 101.8 72.9 135.3

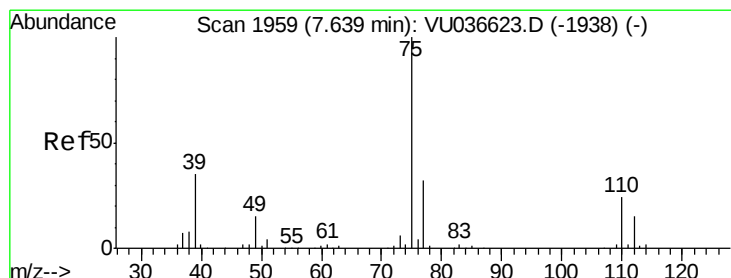
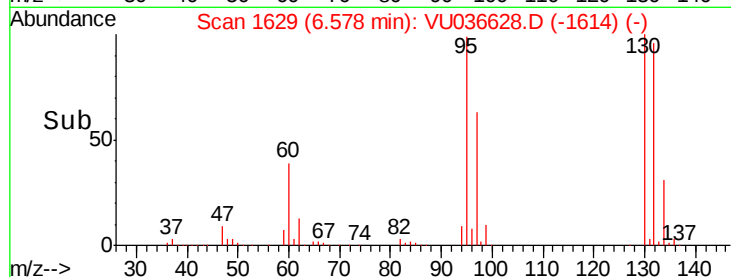
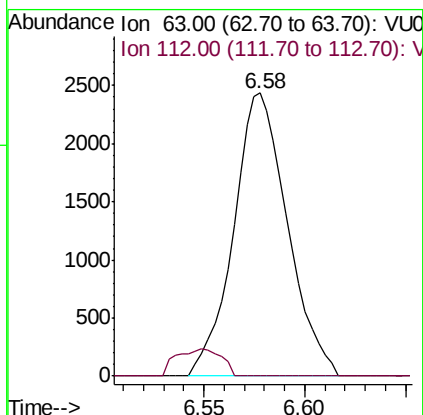
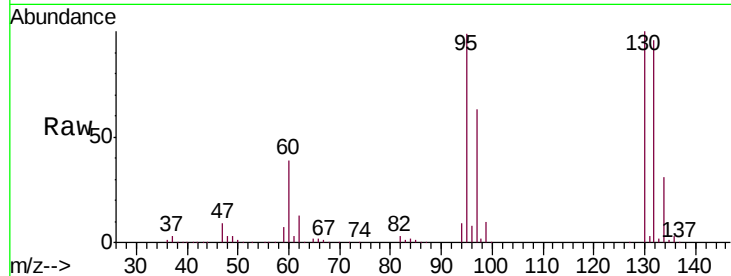




#37
 1,2-Dichloropropane
 Concen: 2.207 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.25 min
 Lab File: VU036628.D
 Acq: 30 Jan 2020 19:12

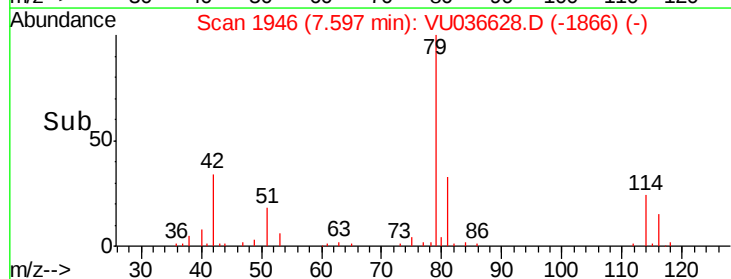
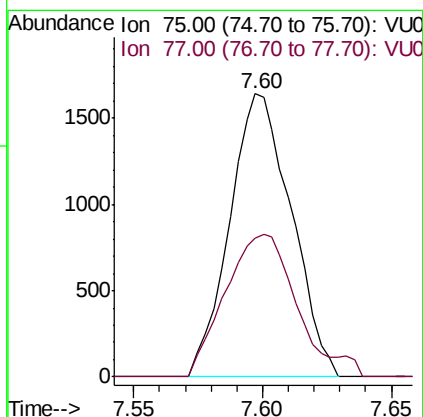
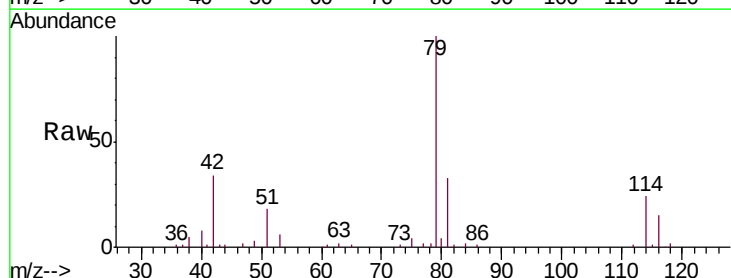
Instrument :
 MSVOA_U
 ClientSampled :
 DBCS4

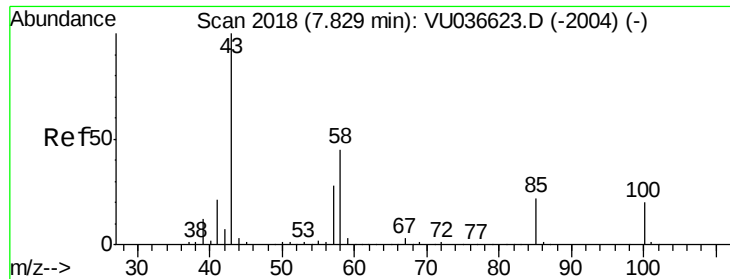
Tgt Ion: 63 Resp: 4542
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.4 5.2



#39
 cis-1,3-Dichloropropene
 Concen: 0.826 ug/L
 RT: 7.60 min Scan# 1946
 Delta R.T. -0.04 min
 Lab File: VU036628.D
 Acq: 30 Jan 2020 19:12

Tgt Ion: 75 Resp: 2738
 Ion Ratio Lower Upper
 75 100
 77 48.9 22.5 41.9#

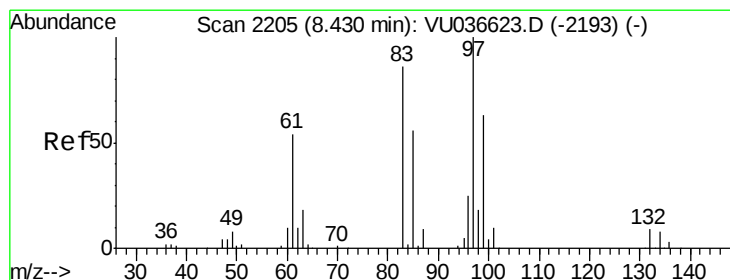
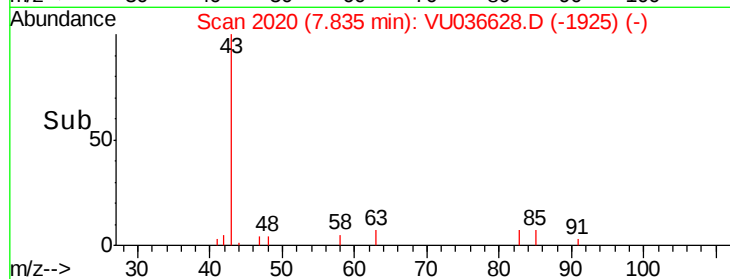
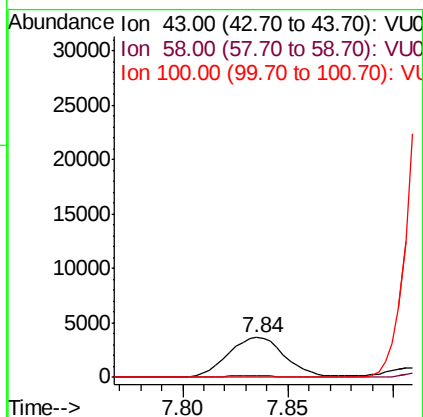
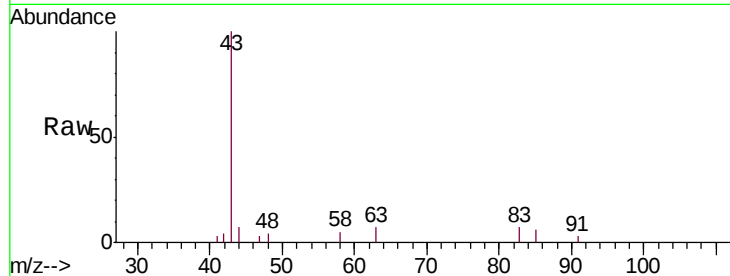




#40
 4-Methyl-2-pentanone
 Concen: 2.606 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: VU036628.D
 Acq: 30 Jan 2020 19:12

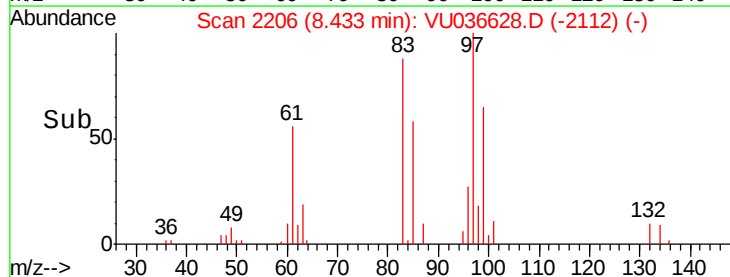
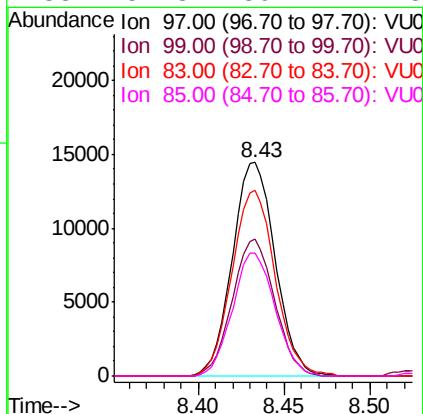
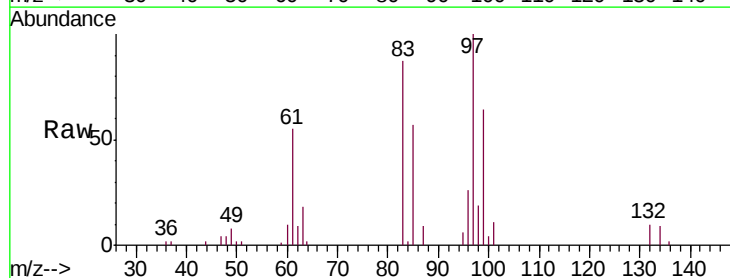
Instrument :
 MSVOA_U
 ClientSampleID :
 DBCS4

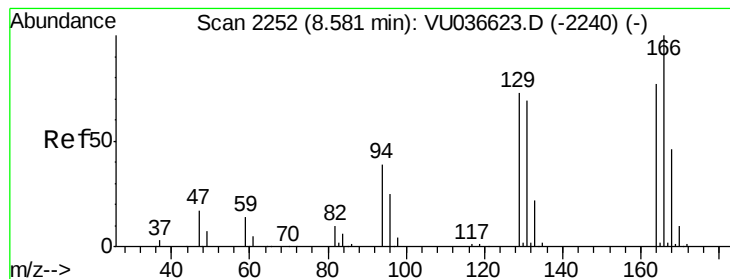
Tgt Ion: 43 Resp: 6886
 Ion Ratio Lower Upper
 43 100
 58 2.7 37.0 55.4#
 100 0.0 15.8 23.6#



#45
 1,1,2-Trichloroethane
 Concen: 12.141 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036628.D
 Acq: 30 Jan 2020 19:12

Tgt Ion: 97 Resp: 25066
 Ion Ratio Lower Upper
 97 100
 99 63.8 44.1 81.9
 83 87.0 61.2 113.6
 85 57.3 39.2 72.8





#46

Tetrachloroethene

Concen: 2969.276 ug/L

RT: 8.59 min Scan# 2255

Delta R.T. 0.01 min

Lab File: VU036628.D

Acq: 30 Jan 2020 19:12

Instrument :

MSVOA_U

ClientSampleId :

DBCS4

Tgt Ion:164 Resp: 5027973

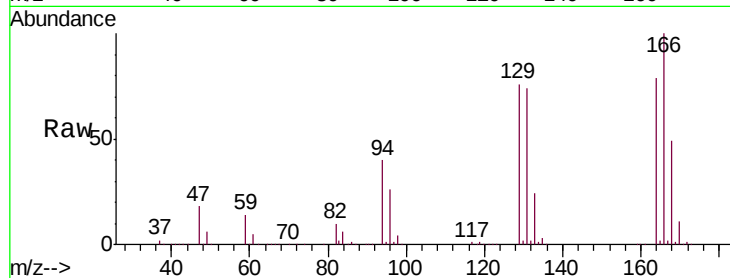
Ion Ratio Lower Upper

164 100

129 96.1 64.2 119.2

131 93.0 61.8 114.8

166 126.3 88.8 165.0

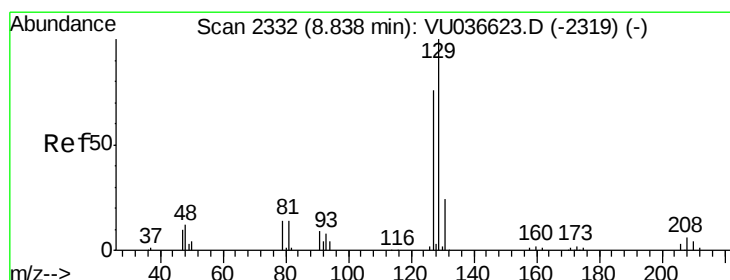
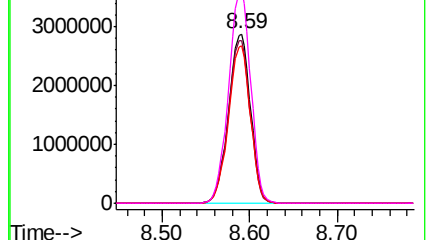
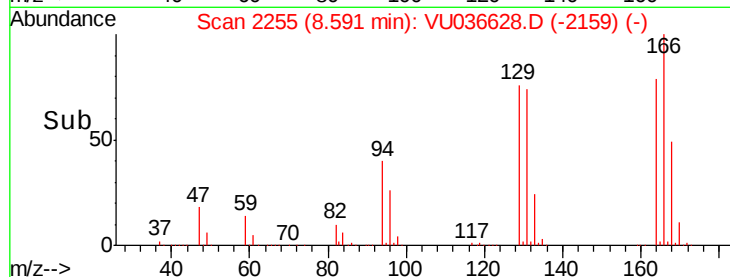


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

Dibromochloromethane

Concen: 2186.743 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. -0.25 min

Lab File: VU036628.D

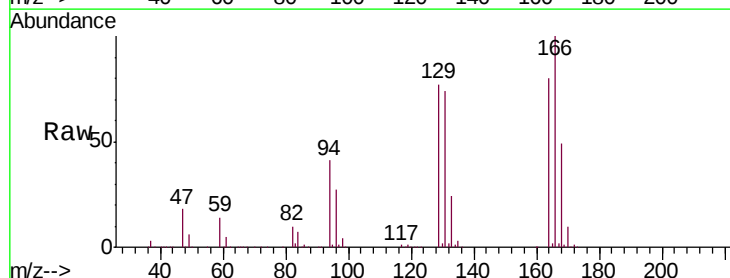
Acq: 30 Jan 2020 19:12

Tgt Ion:129 Resp: 4778904

Ion Ratio Lower Upper

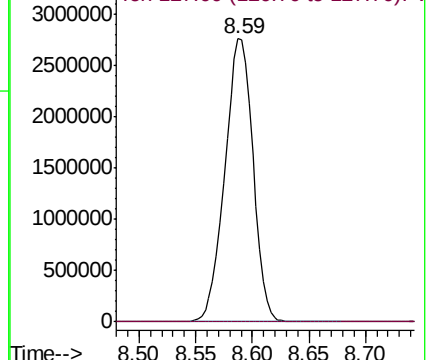
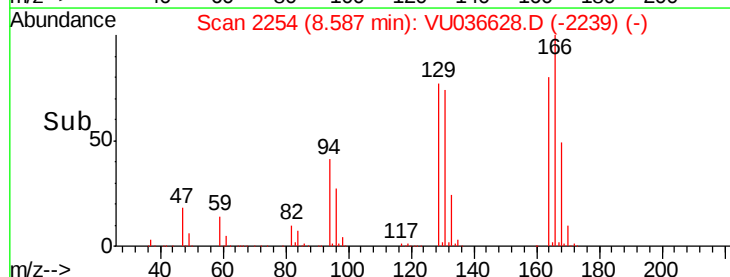
129 100

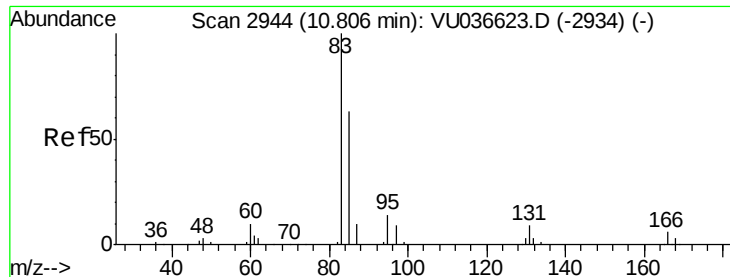
127 0.0 54.0 100.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#58

1,1,2,2-Tetrachloroethane

Concen: 27.594 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036628.D

Acq: 30 Jan 2020 19:12

Instrument :

MSVOA_U

ClientSampled :

DBCS4

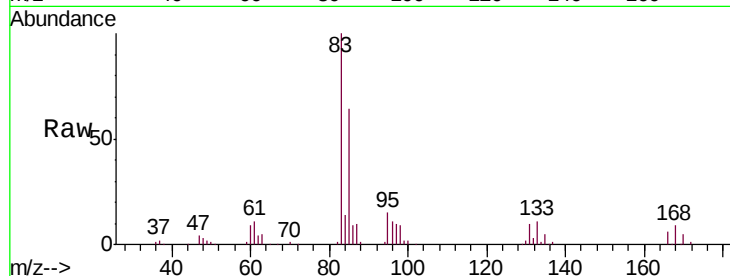
Tgt Ion: 83 Resp: 98213

Ion Ratio Lower Upper

83 100

85 64.1 44.5 82.7

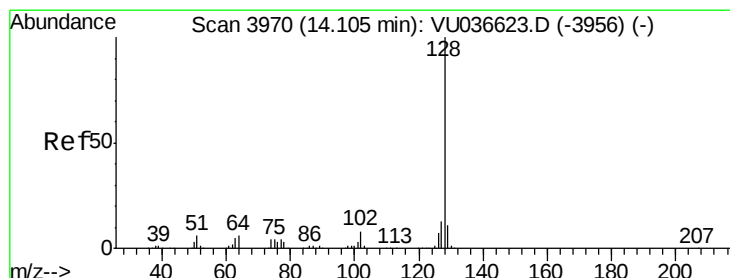
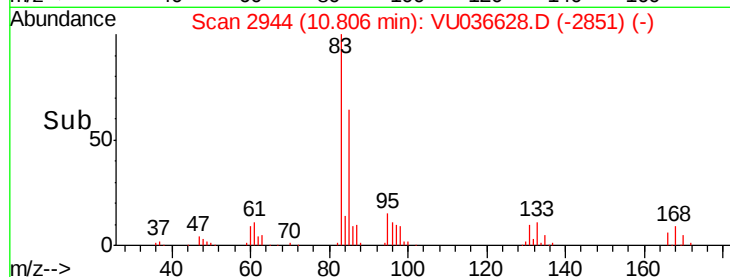
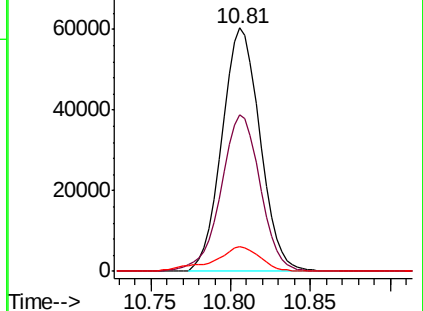
131 10.2 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VU036628.D (-2934) (-)

Ion 85.00 (84.70 to 85.70): VU036628.D (-2934) (-)

Ion 131.00 (130.70 to 131.70): VU036628.D (-2934) (-)



#69

Naphthalene

Concen: 0.773 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036628.D

Acq: 30 Jan 2020 19:12

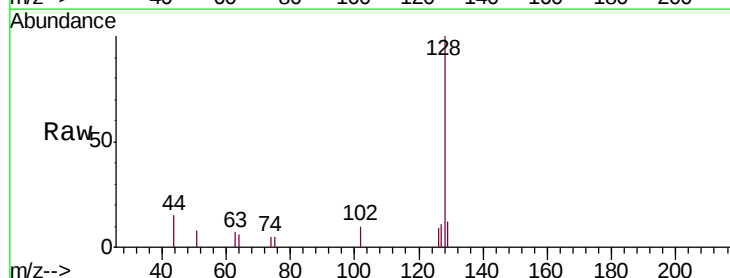
Tgt Ion: 128 Resp: 4932

Ion Ratio Lower Upper

128 100

127 11.0 10.6 15.8

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VU036628.D (-3956) (-)

Ion 127.00 (126.70 to 127.70): VU036628.D (-3956) (-)

Ion 129.00 (128.70 to 129.70): VU036628.D (-3956) (-)

