

Data File : VU031951.D
Acq On : 12 May 2019 18:29
Operator : JC/SP
Sample : K2791-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9D54

Quant Time: May 13 07:05:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon May 13 07:00:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	489268	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	486996	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	177333	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	123370	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	1.68	69	127691	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.27	63	193544	2.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.80%#
20) 2-Butanone-d5	4.21	46	548300	42.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.24%
24) Chloroform-d	4.64	84	283773	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.31	65	159979	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
32) Benzene-d6	5.33	84	529313	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.33	67	187907	4.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.20%
41) Toluene-d8	7.56	98	390278	3.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.20%
43) trans-1,3-Dichloropropene-	7.85	79	53934	3.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.20%
46) 2-Hexanone-d5	8.31	63	375428	46.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	167633	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	151392	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	11342	0.169 ug/L	93
8) Chloroethane	1.70	64	11771	0.364 ug/L	87
12) 1,1-Dichloroethene	2.28	96	14545	0.437 ug/L #	1
13) Acetone	2.35	43	1097297	123.404 ug/L	83
14) Carbon disulfide	2.48	76	65904	0.563 ug/L	98
15) Methyl Acetate	2.35	43	947965	41.324 ug/L #	59
18) trans-1,2-Dichloroethene	2.97	96	2790	0.078 ug/L	73
19) 1,1-Dichloroethane	3.44	63	50851	0.577 ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	464317	10.785 ug/L	81
25) Chloroform	4.67	83	15017	0.173 ug/L	88
27) 1,2-Dichloroethane	5.40	62	11637	0.203 ug/L	99
34) Trichloroethene	6.18	95	69096	1.614 ug/L	95
35) Methylcyclohexane	6.33	83	41413	0.673 ug/L #	11
37) 1,2-Dichloropropane	6.33	63	20779	0.428 ug/L #	92
45) 1,1,2-Trichloroethane	8.22	97	3240	0.113 ug/L #	16
47) Tetrachloroethene	8.22	164	337087	12.109 ug/L	98
48) 2-Hexanone	8.37	43	22761	0.979 ug/L #	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051219\
Quantitation Report (Not Reviewed)

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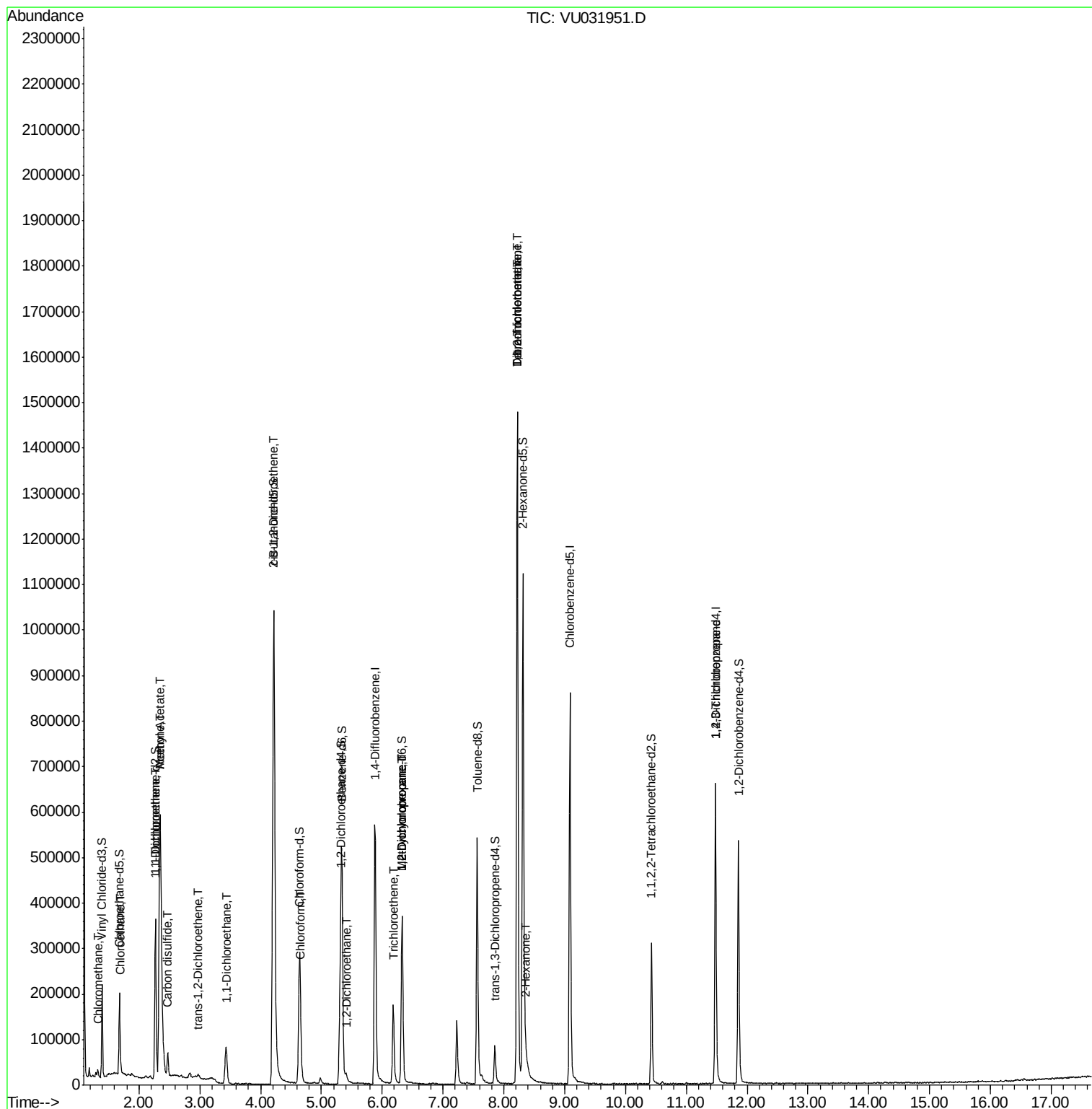
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.22	129	330572	9.872	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	23997	0.834	ug/L	94

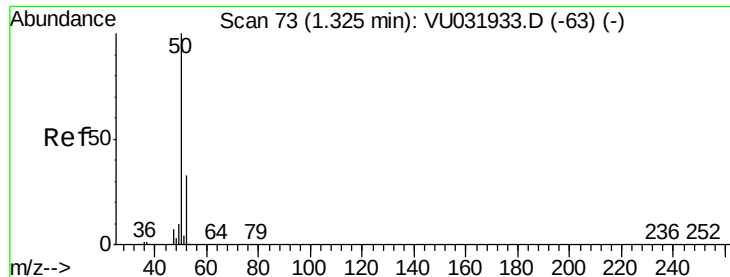
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.169 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :

MSVOA_U

ClientSampled :

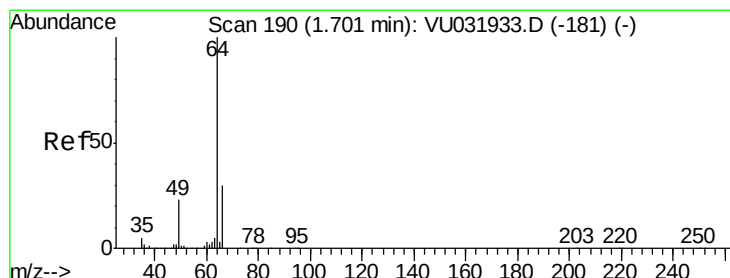
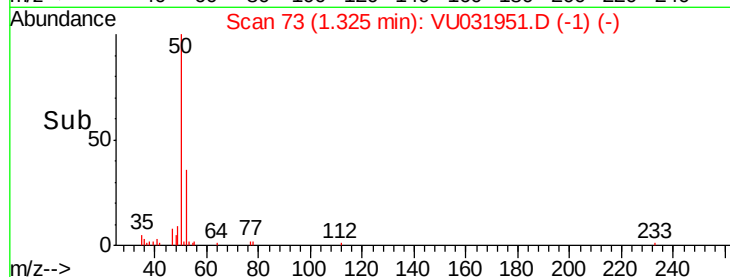
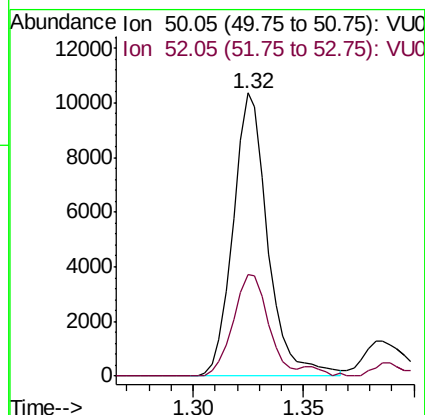
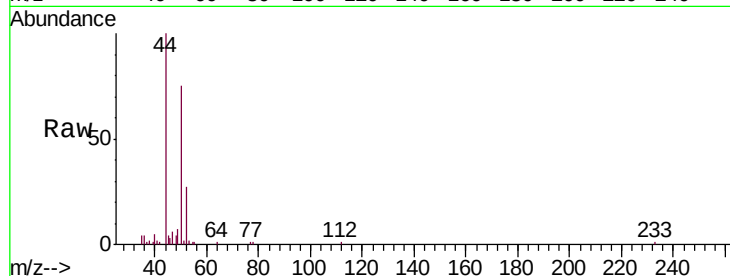
F9D54

Tgt Ion: 50 Resp: 11342

Ion Ratio Lower Upper

50 100

52 35.9 22.5 41.7



#8

Chloroethane

Concen: 0.364 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031951.D

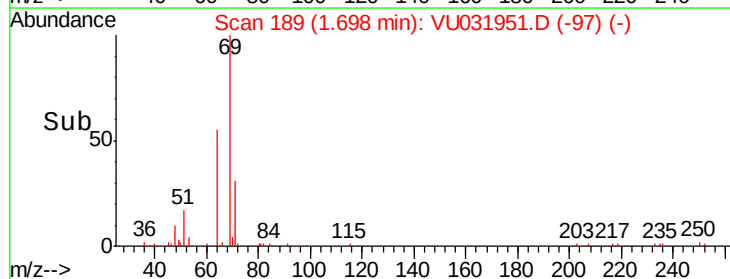
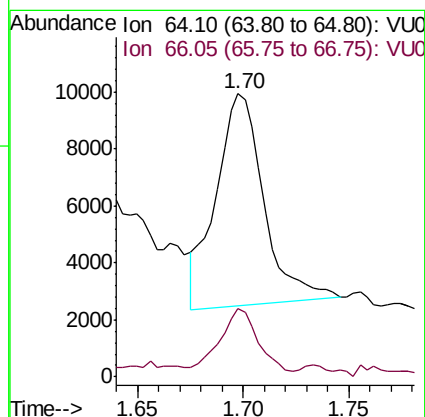
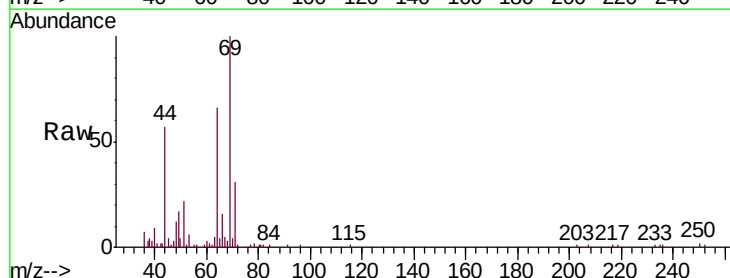
Acq: 12 May 2019 18:29

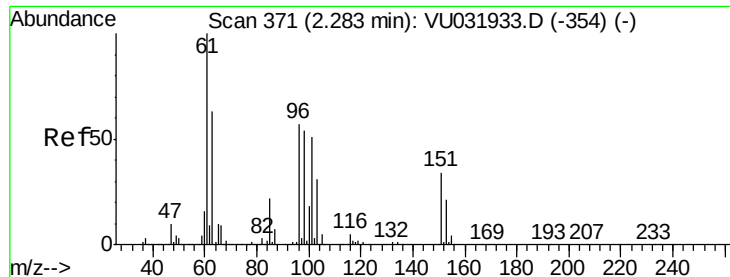
Tgt Ion: 64 Resp: 11771

Ion Ratio Lower Upper

64 100

66 24.3 21.9 40.7





#12

1,1-Dichloroethene

Concen: 0.437 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

F9D54

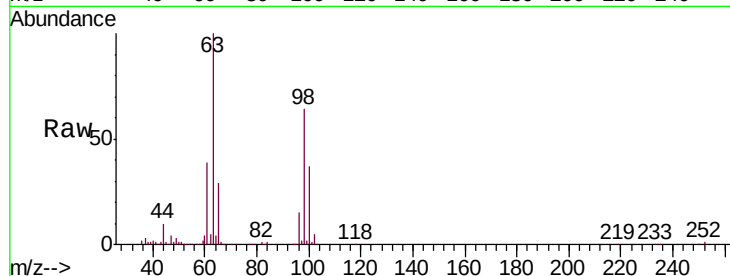
Tgt Ion: 96 Resp: 14545

Ion Ratio Lower Upper

96 100

61 252.1 149.0 276.6

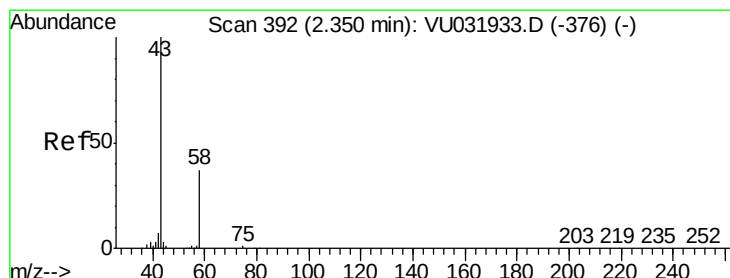
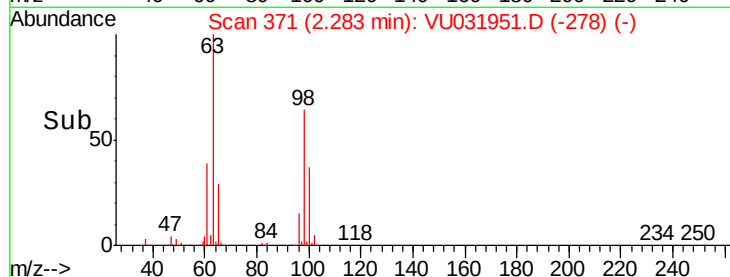
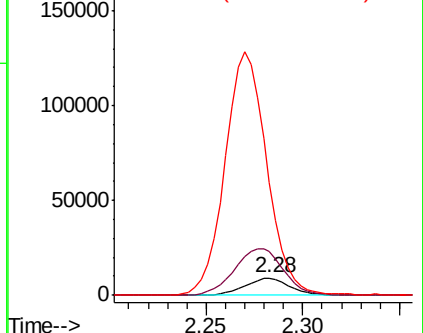
63 654.6 99.8 185.4#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 123.404 ug/L

RT: 2.35 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU031951.D

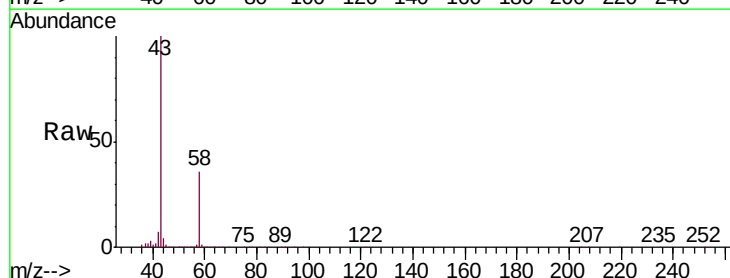
Acq: 12 May 2019 18:29

Tgt Ion: 43 Resp: 1097297

Ion Ratio Lower Upper

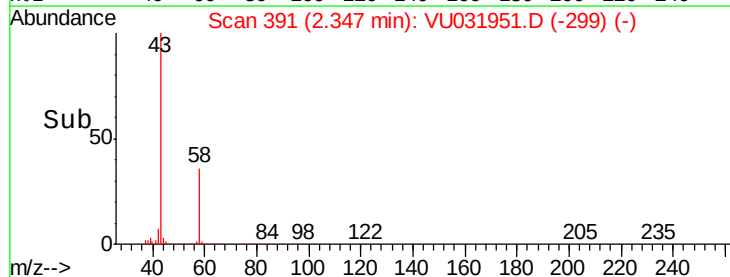
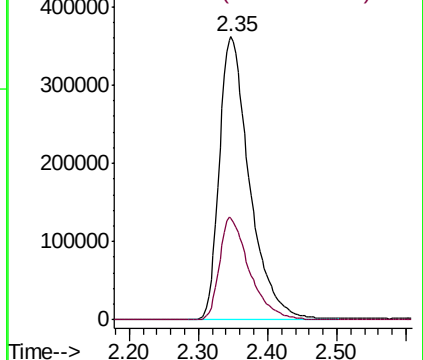
43 100

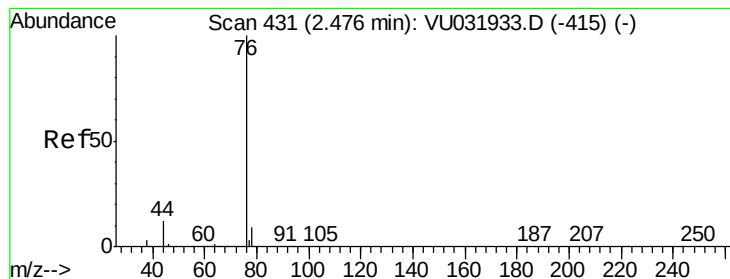
58 35.8 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.563 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

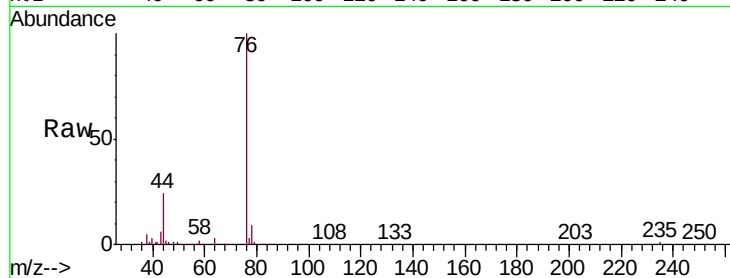
F9D54

Tgt Ion: 76 Resp: 65904

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3

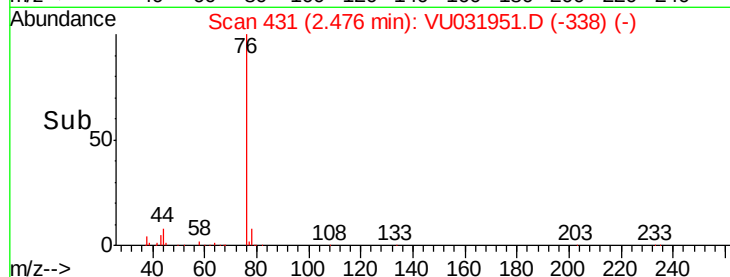


Abundance Ion 76.05 (75.75 to 76.75): VU031933.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU031933.D (-415) (-)

2.48

Time-->

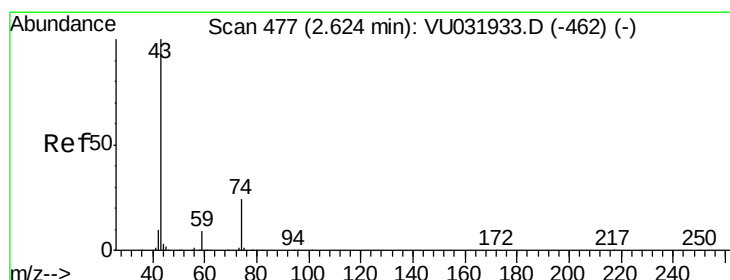


Abundance Ion 76.05 (75.75 to 76.75): VU031951.D (-338) (-)

Ion 78.00 (77.70 to 78.70): VU031951.D (-338) (-)

2.48

Time-->



#15

Methyl Acetate

Concen: 41.324 ug/L

RT: 2.35 min Scan# 391

Delta R.T. -0.28 min

Lab File: VU031951.D

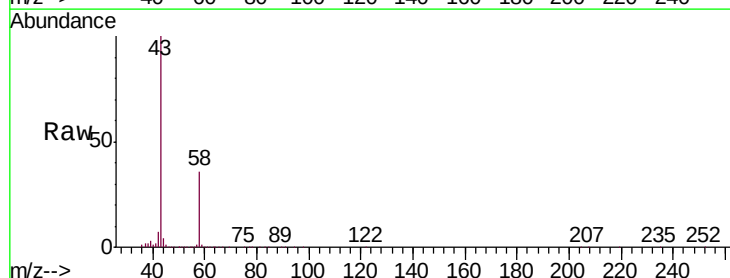
Acq: 12 May 2019 18:29

Tgt Ion: 43 Resp: 947965

Ion Ratio Lower Upper

43 100

74 0.0 14.7 22.1#

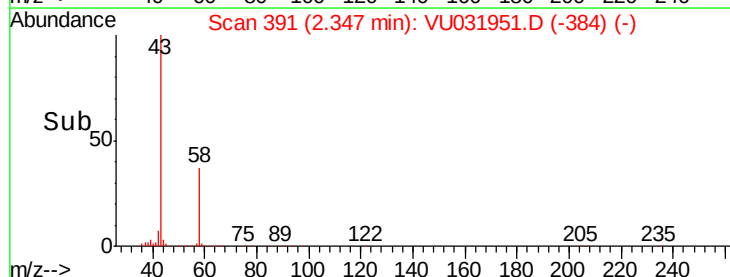


Abundance Ion 43.05 (42.75 to 43.75): VU031933.D (-462) (-)

Ion 74.05 (73.75 to 74.75): VU031933.D (-462) (-)

2.35

Time-->

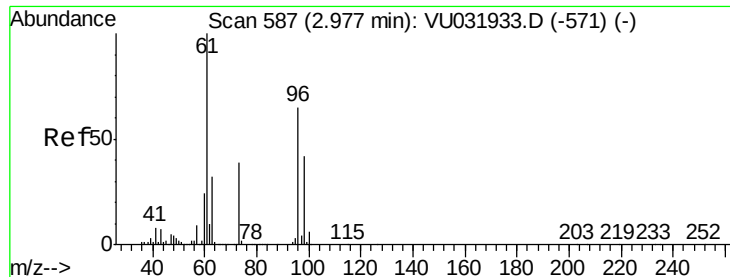


Abundance Ion 43.05 (42.75 to 43.75): VU031951.D (-384) (-)

Ion 74.05 (73.75 to 74.75): VU031951.D (-384) (-)

2.35

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.078 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

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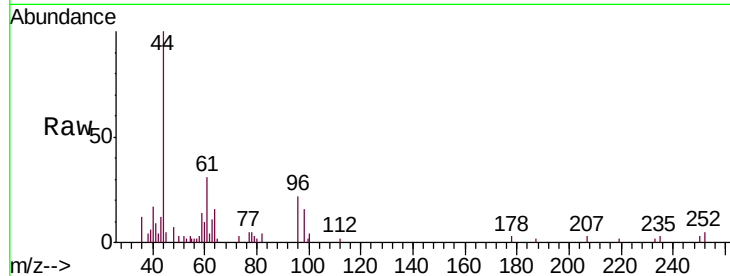
Tgt Ion: 96 Resp: 2790

Ion Ratio Lower Upper

96 100

61 138.4 130.9 243.1

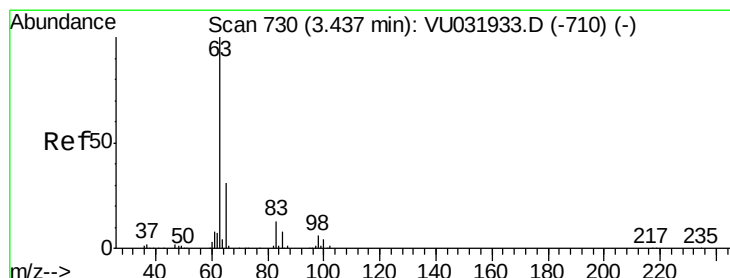
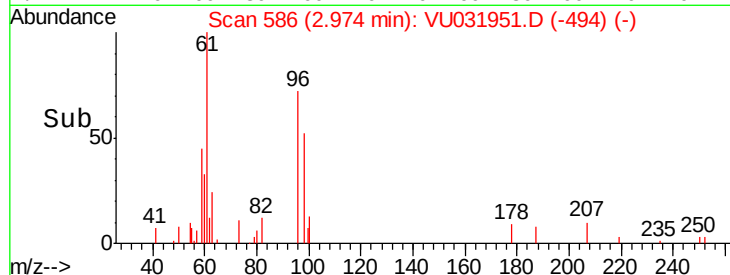
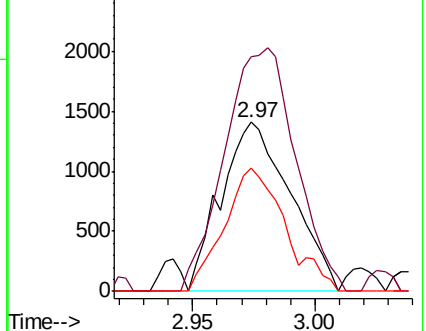
98 72.6 46.2 85.8



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 0.577 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

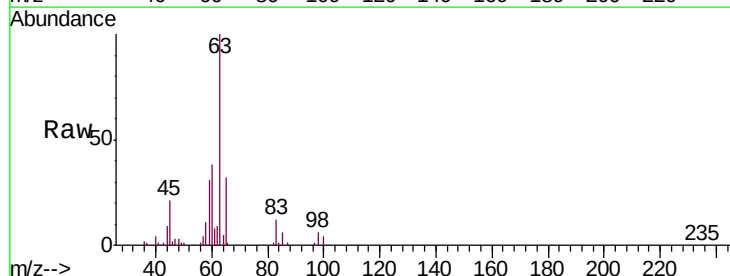
Tgt Ion: 63 Resp: 50851

Ion Ratio Lower Upper

63 100

65 33.0 21.8 40.4

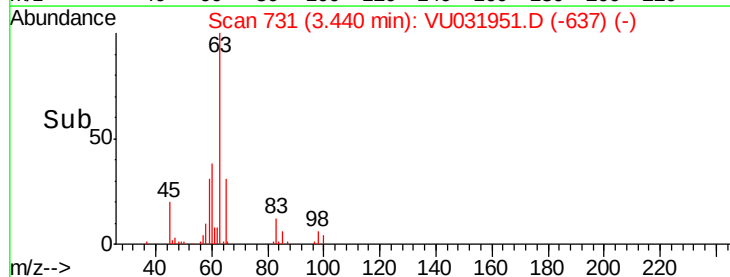
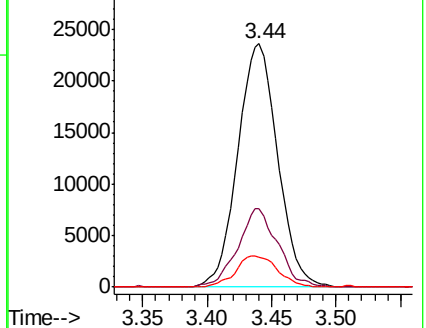
83 12.4 7.9 14.7

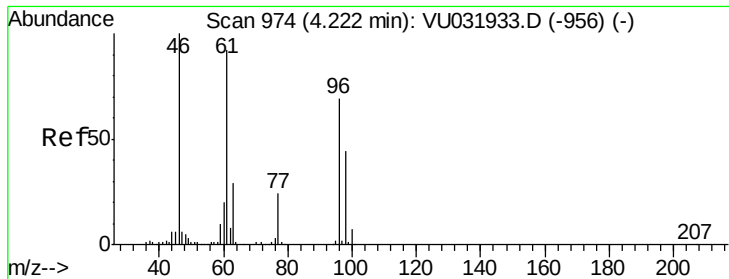


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



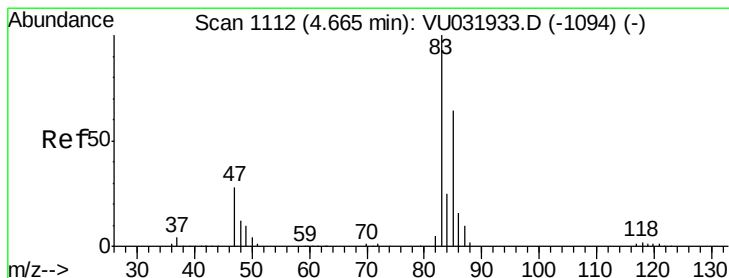
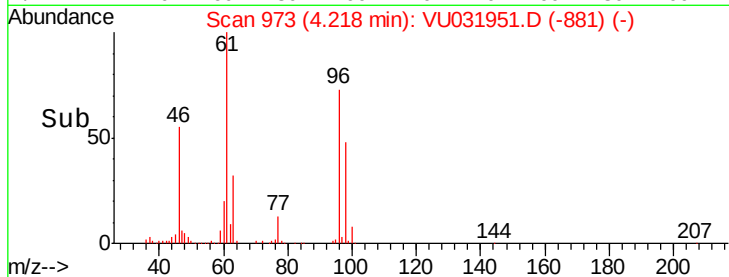
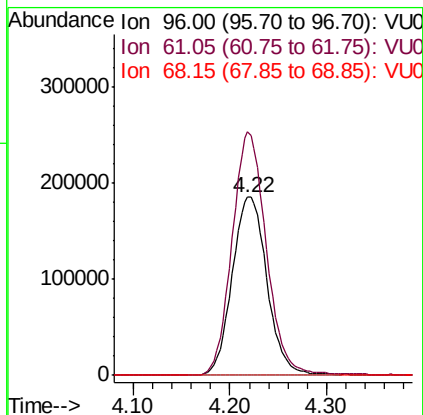
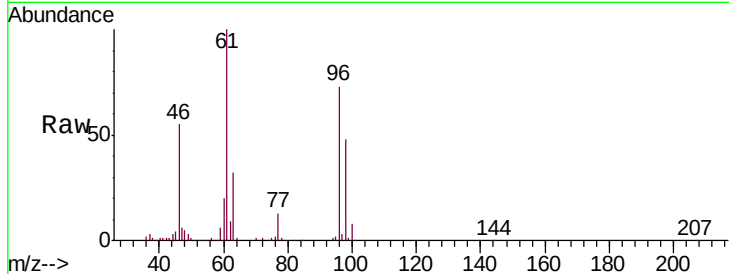


#22

cis-1,2-Dichloroethene
 Concen: 10.785 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031951.D
 Acq: 12 May 2019 18:29

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 F9D54

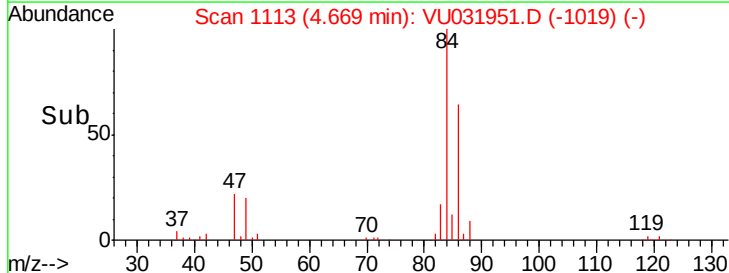
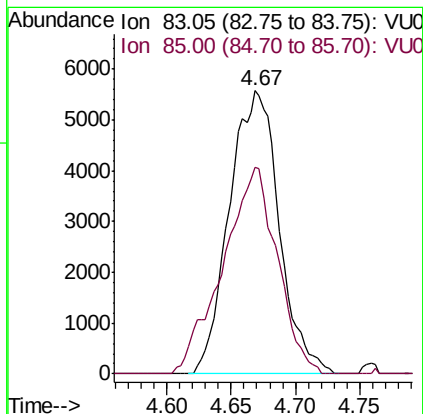
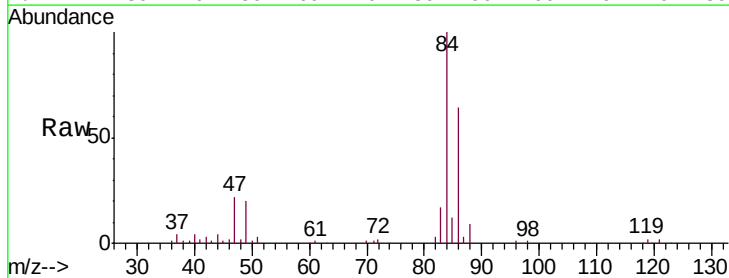
Tgt Ion: 96 Resp: 464317
 Ion Ratio Lower Upper
 96 100
 61 136.5 113.3 210.5
 68 0.0 0.0 0.0

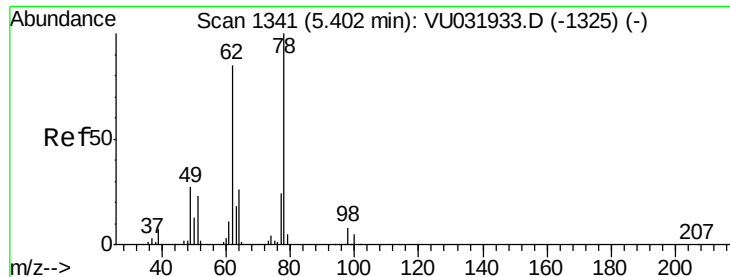


#25

Chloroform
 Concen: 0.173 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU031951.D
 Acq: 12 May 2019 18:29

Tgt Ion: 83 Resp: 15017
 Ion Ratio Lower Upper
 83 100
 85 73.1 44.4 82.5

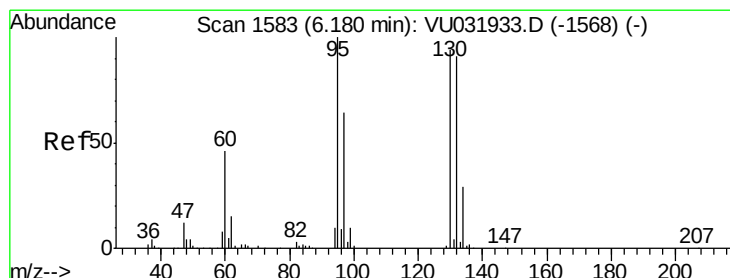
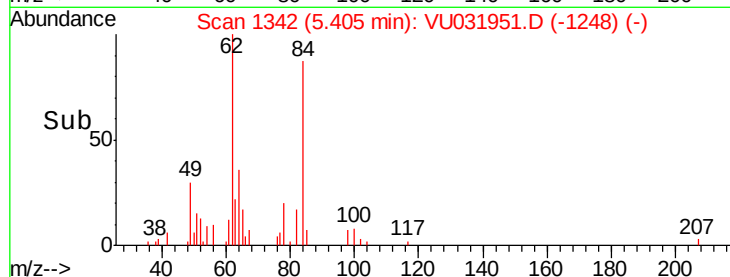
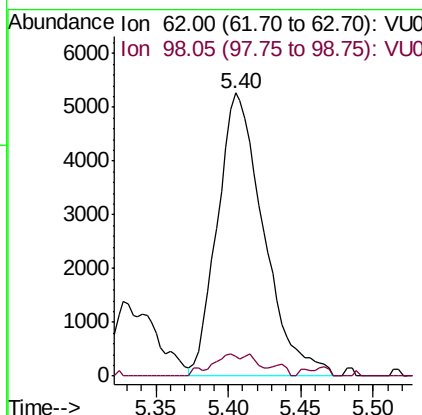
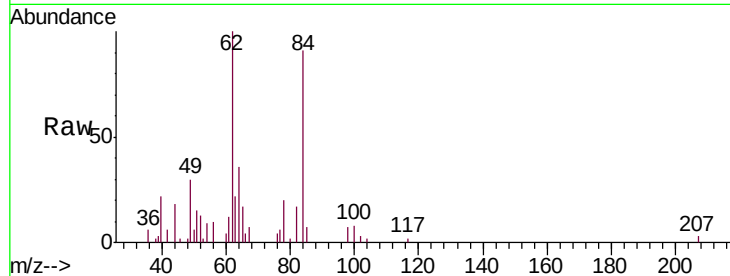




#27
1,2-Dichloroethane
Concen: 0.203 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU031951.D
Acq: 12 May 2019 18:29

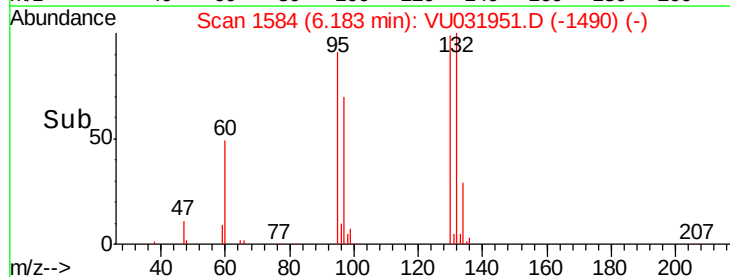
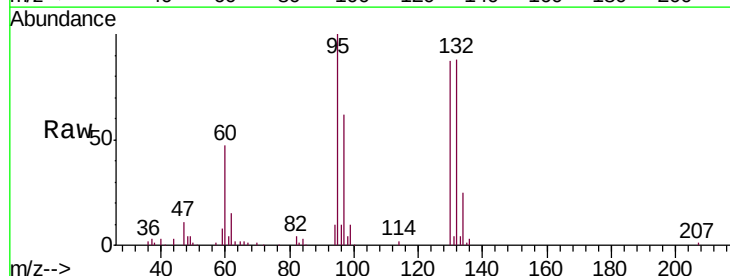
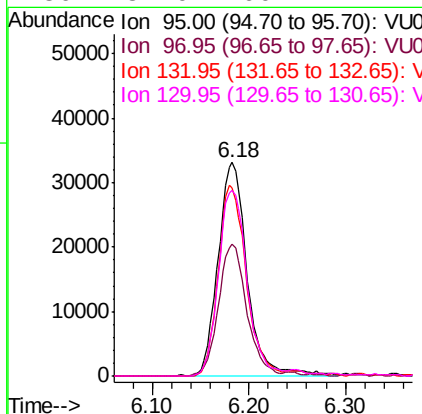
Instrument :
MSVOA_U
ClientSampleId :
F9D54

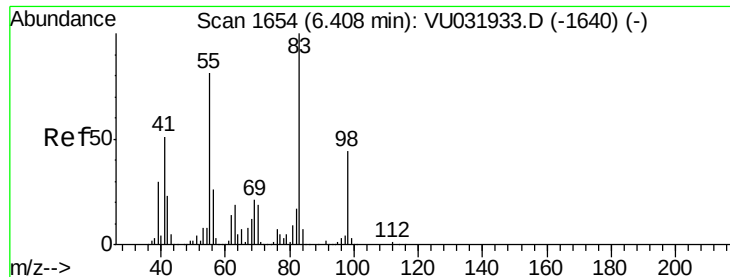
Tgt Ion: 62 Resp: 11637
Ion Ratio Lower Upper
62 100
98 7.2 5.4 8.2



#34
Trichloroethene
Concen: 1.614 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU031951.D
Acq: 12 May 2019 18:29

Tgt Ion: 95 Resp: 69096
Ion Ratio Lower Upper
95 100
97 61.7 45.8 85.2
132 88.2 56.0 104.0
130 87.0 60.4 112.2

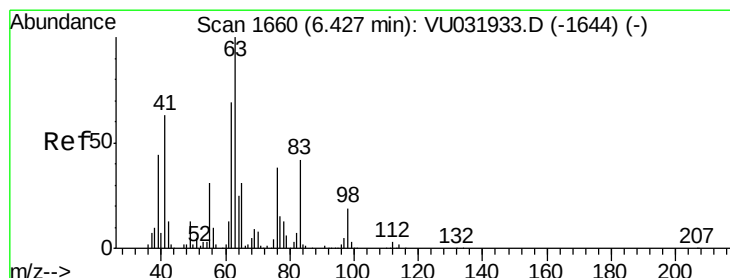
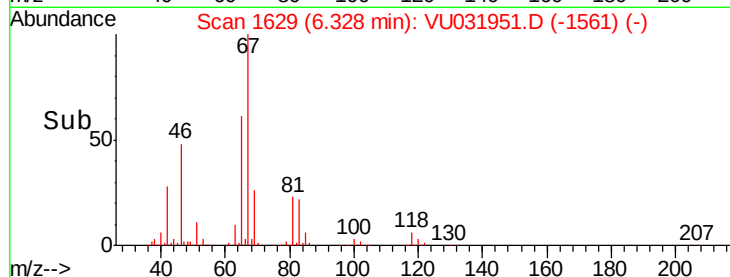
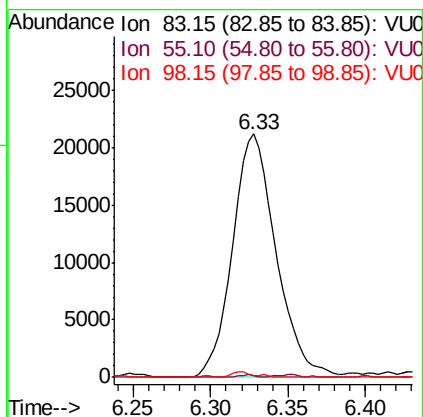
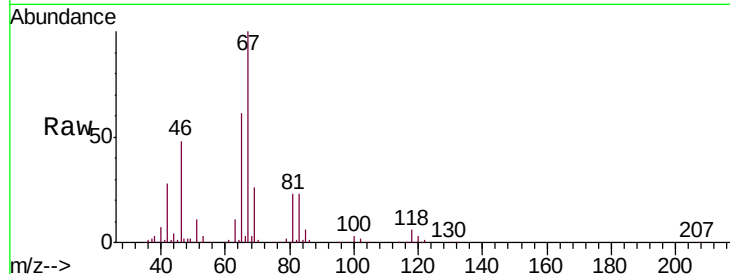




#35
Methylcyclohexane
Concen: 0.673 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU031951.D
Acq: 12 May 2019 18:29

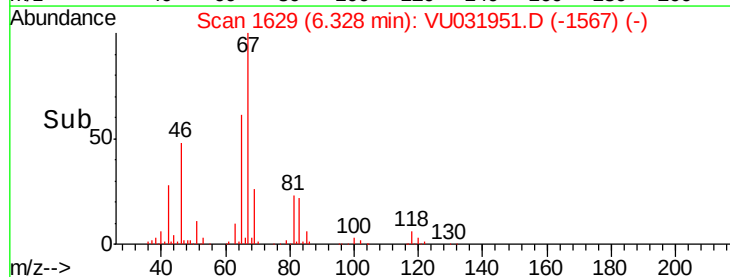
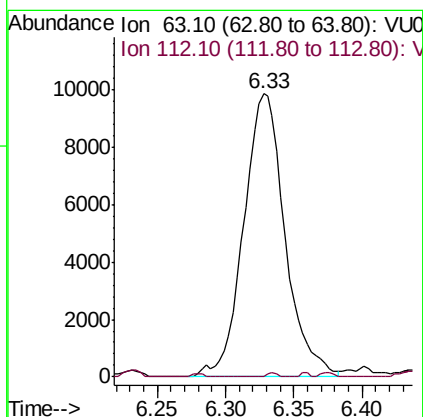
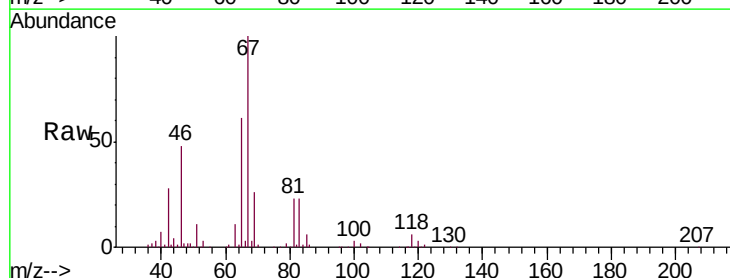
Instrument :
MSVOA_U
ClientSampleId :
F9D54

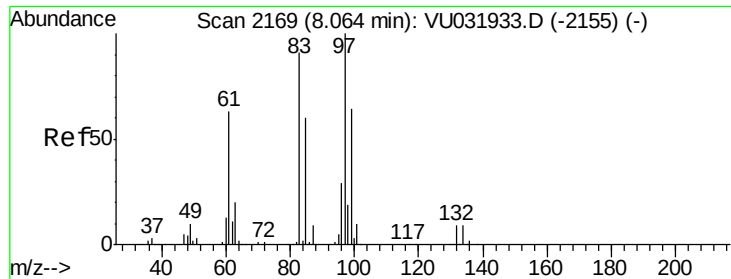
Tgt Ion: 83 Resp: 41413
Ion Ratio Lower Upper
83 100
55 0.3 79.2 118.8#
98 1.2 34.0 51.0#



#37
1,2-Dichloropropane
Concen: 0.428 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU031951.D
Acq: 12 May 2019 18:29

Tgt Ion: 63 Resp: 20779
Ion Ratio Lower Upper
63 100
112 0.3 2.5 3.7#





#45

1,1,2-Trichloroethane

Concen: 0.113 ug/L

RT: 8.22 min Scan# 2216

Delta R.T. 0.15 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

F9D54

Tgt Ion: 97 Resp: 3240

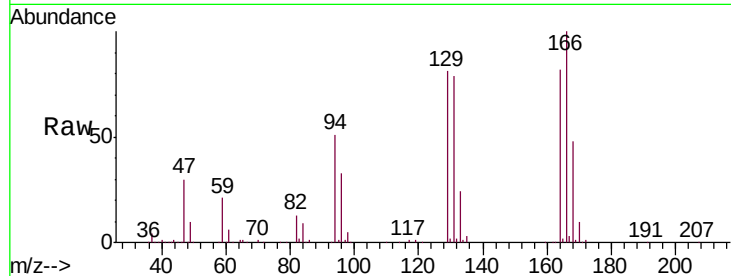
Ion Ratio Lower Upper

97 100

99 14.1 45.8 85.0#

83 215.1 64.5 119.7#

85 32.9 41.6 77.3#



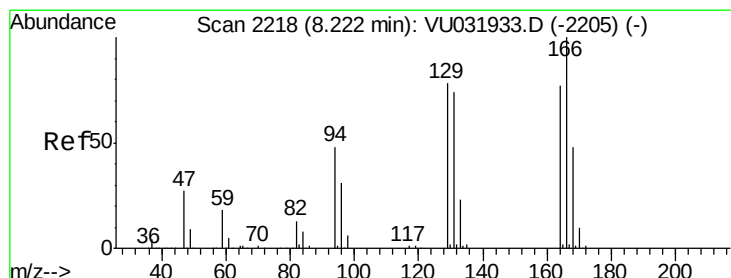
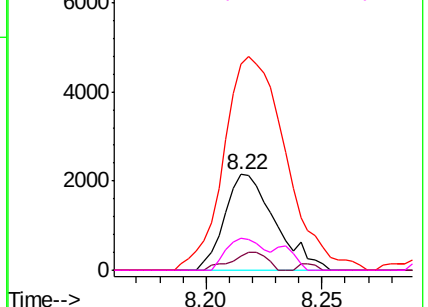
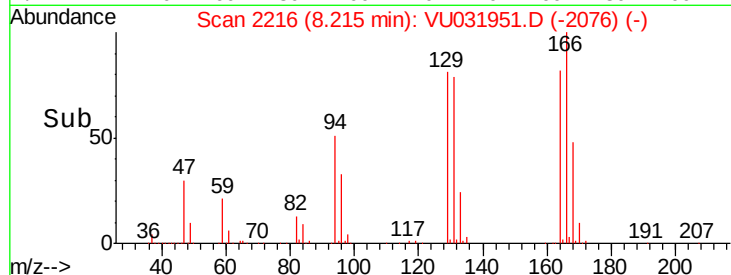
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 12.109 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Tgt Ion:164 Resp: 337087

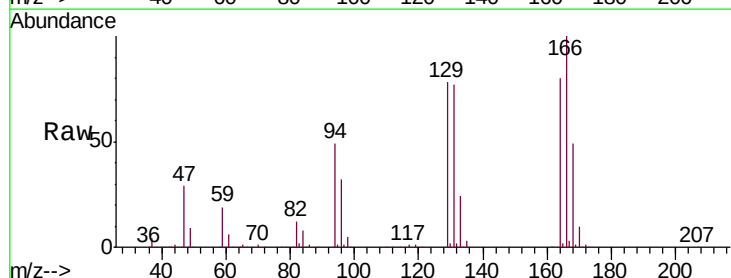
Ion Ratio Lower Upper

164 100

129 97.3 70.3 130.5

131 95.6 65.4 121.4

166 124.8 86.0 159.8



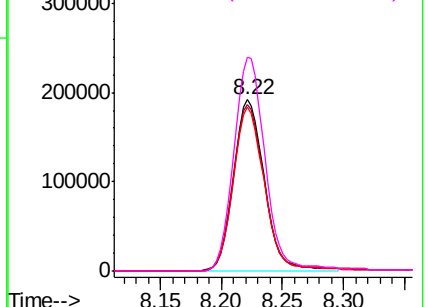
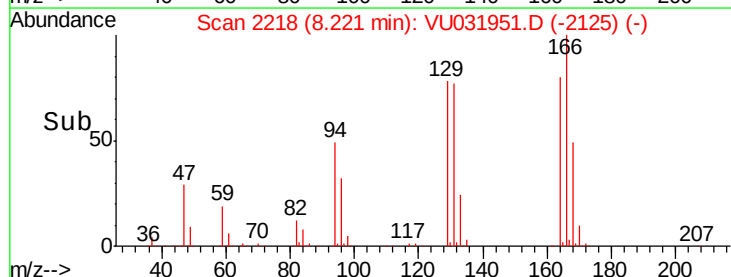
Abundance

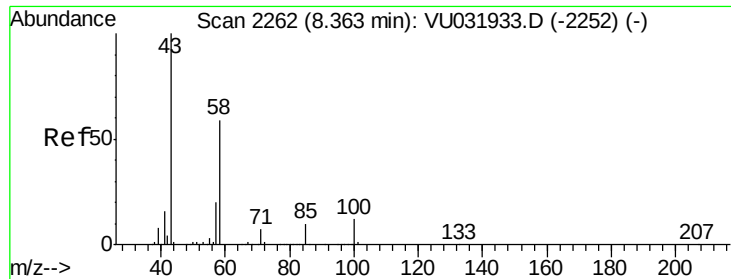
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

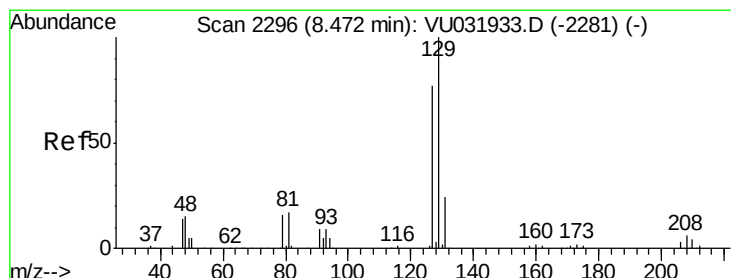
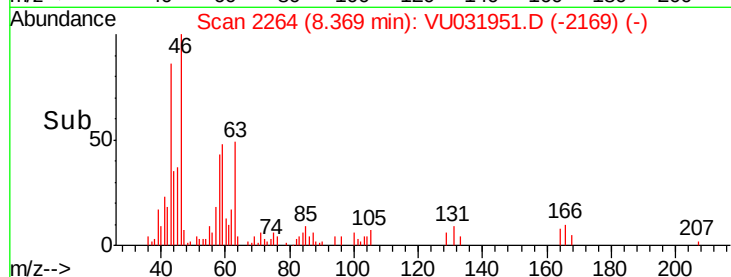
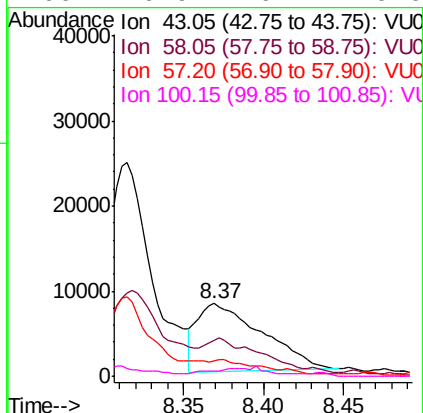
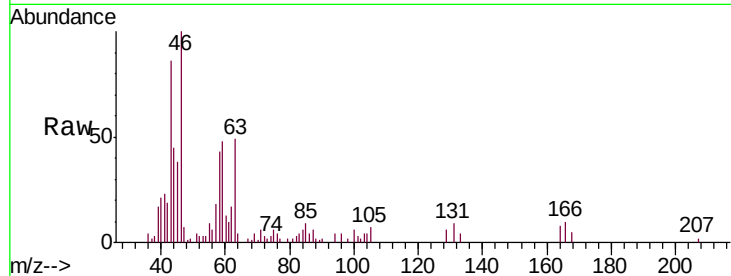




#48
2-Hexanone
Concen: 0.979 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU031951.D
Acq: 12 May 2019 18:29

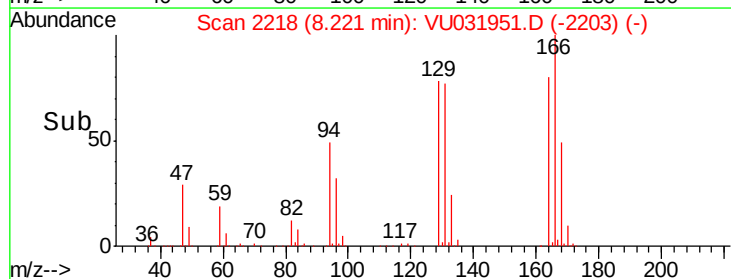
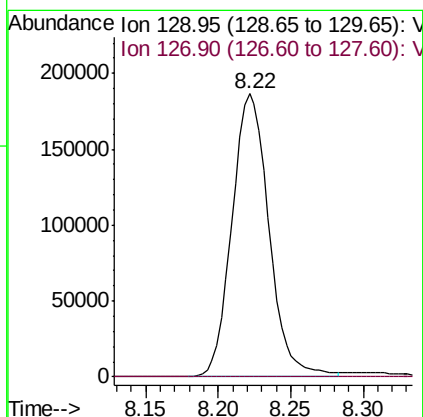
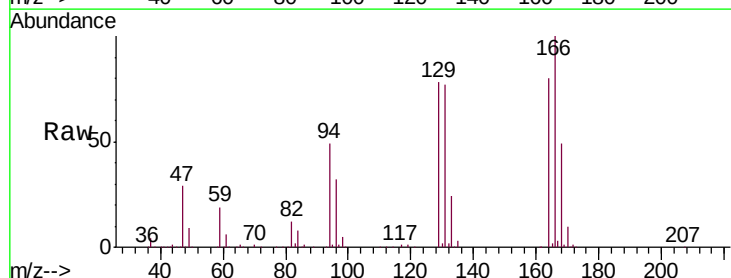
Instrument :
MSVOA_U
ClientSampleId :
F9D54

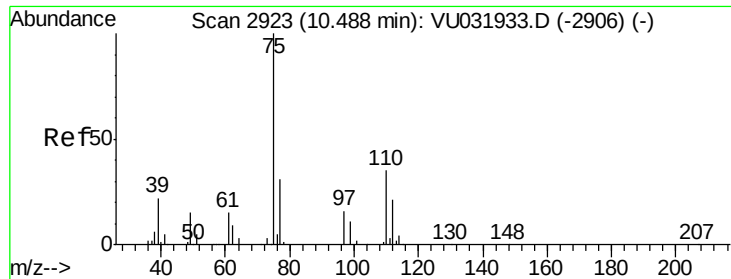
Tgt Ion:	43	Resp:	22761
Ion	Ratio	Lower	Upper
43	100		
58	35.8	40.2	60.2#
57	8.4	13.8	20.6#
100	0.9	6.4	9.6#



#49
Dibromochloromethane
Concen: 9.872 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU031951.D
Acq: 12 May 2019 18:29

Tgt Ion:	129	Resp:	330572
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#





#59

1,2,3-Trichloropropane

Concen: 0.834 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031951.D

Acq: 12 May 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

F9D54

Tgt Ion: 75 Resp: 23997

Ion Ratio Lower Upper

75 100

77 36.2 26.3 39.5

