

Data File : VU034400.D
Acq On : 07 Sep 2019 23:52
Operator : JC/SP
Sample : K4685-09DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFD78DL

Quant Time: Sep 08 03:48:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Sep 08 03:44:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	278579	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	286211	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	130243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	72154	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.67	69	67479	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.26	63	111319	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.17	46	201527	46.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.00%
24) Chloroform-d	4.63	84	154605	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.29	65	76778	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.32	84	316627	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.31	67	105131	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.55	98	272176	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.80%
43) trans-1,3-Dichloropropene-	7.83	79	32897	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.30	63	154843	43.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.70%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	82154	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	115583	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

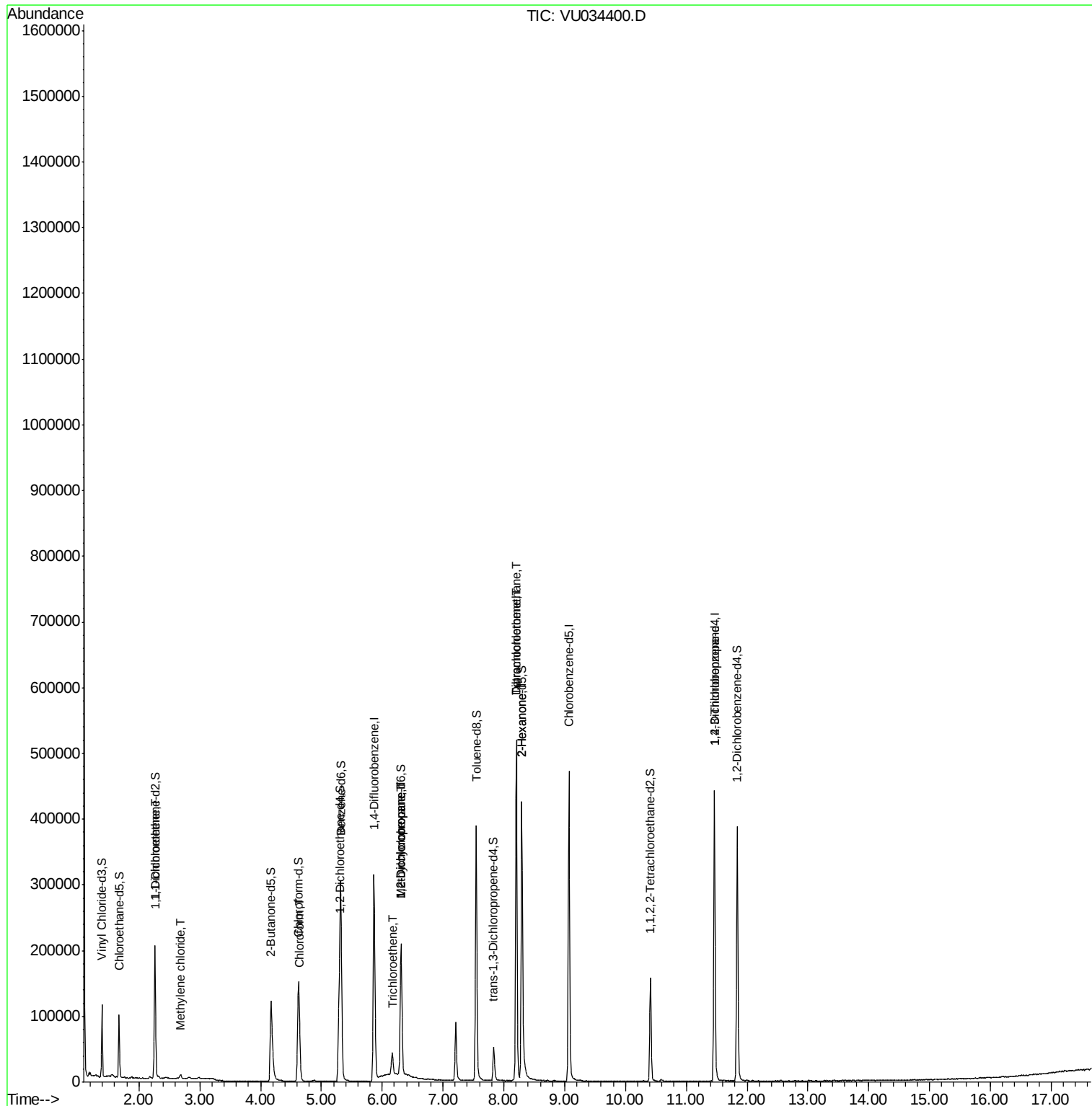
					Qvalue
12) 1,1-Dichloroethene	2.28	96	5461	0.315 ug/L #	1
16) Methylene chloride	2.68	84	2226	0.113 ug/L	83
25) Chloroform	4.65	83	8268	0.220 ug/L	97
34) Trichloroethene	6.16	95	12284	0.551 ug/L	95
35) Methylcyclohexane	6.31	83	23910	0.647 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	10292	0.461 ug/L #	91
47) Tetrachloroethene	8.21	164	127465	6.951 ug/L	95
48) 2-Hexanone	8.30	43	17921	2.079 ug/L #	74
49) Dibromochloromethane	8.21	129	113787	6.705 ug/L #	11
59) 1,2,3-Trichloropropane	11.46	75	13804	1.081 ug/L	96

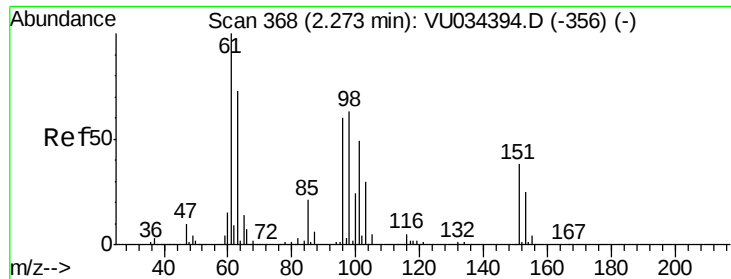
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.315 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034400.D

Acq: 07 Sep 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

BFD78DL

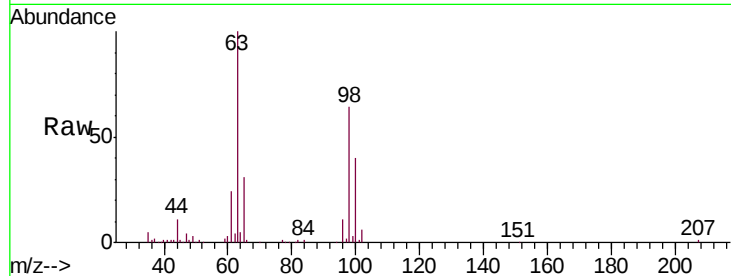
Tgt Ion: 96 Resp: 5461

Ion Ratio Lower Upper

96 100

61 223.3 126.6 235.0

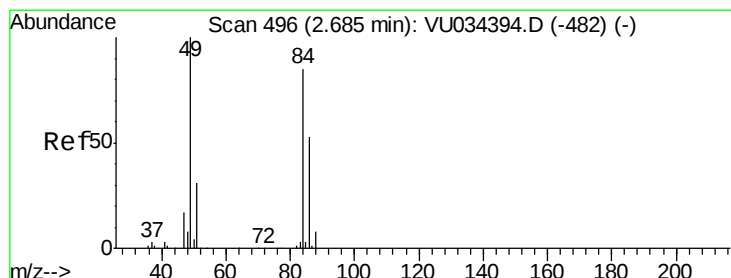
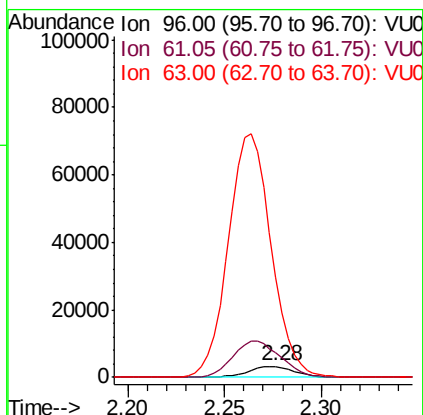
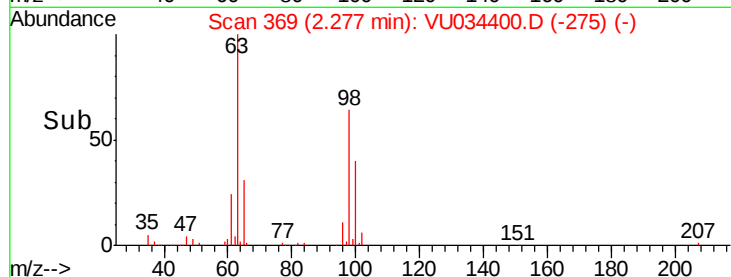
63 922.1 94.5 175.5#



Abundance Ion 96.00 (95.70 to 96.70): VU034400.D (-275) (-)

Ion 61.05 (60.75 to 61.75): VU034400.D (-275) (-)

Ion 63.00 (62.70 to 63.70): VU034400.D (-275) (-)



#16

Methylene chloride

Concen: 0.113 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU034400.D

Acq: 07 Sep 2019 23:52

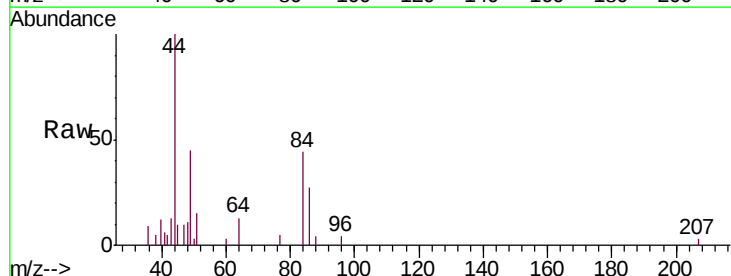
Tgt Ion: 84 Resp: 2226

Ion Ratio Lower Upper

84 100

86 61.1 44.4 82.5

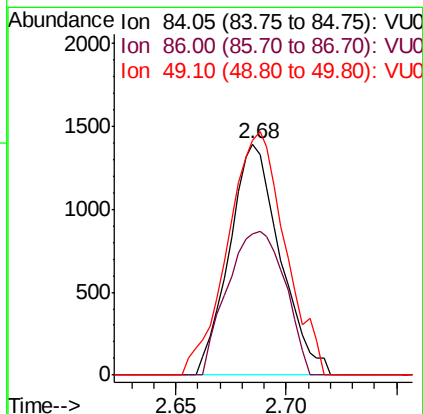
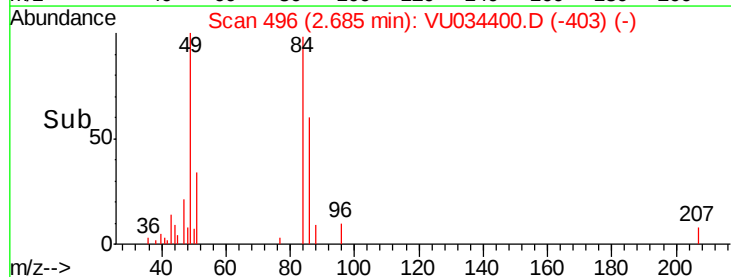
49 101.6 90.2 167.4

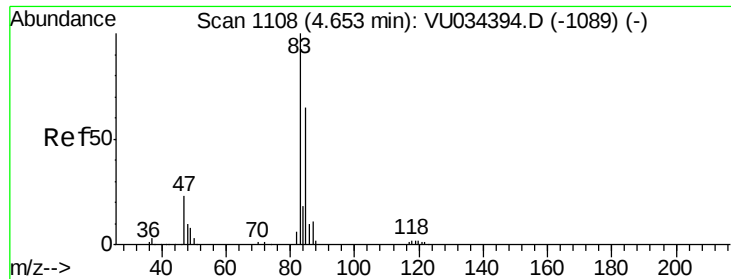


Abundance Ion 84.05 (83.75 to 84.75): VU034400.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034400.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU034400.D (-403) (-)





#25

Chloroform

Concen: 0.220 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VU034400.D

Acq: 07 Sep 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

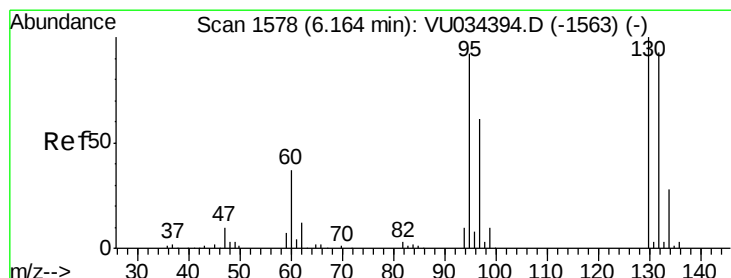
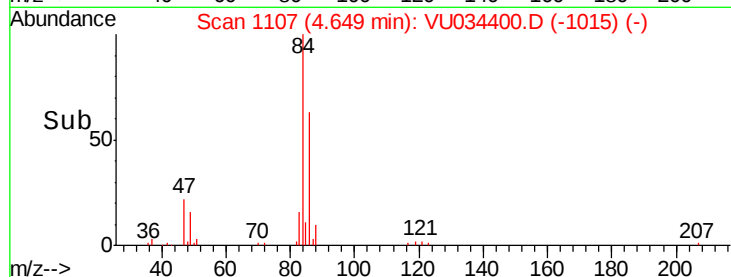
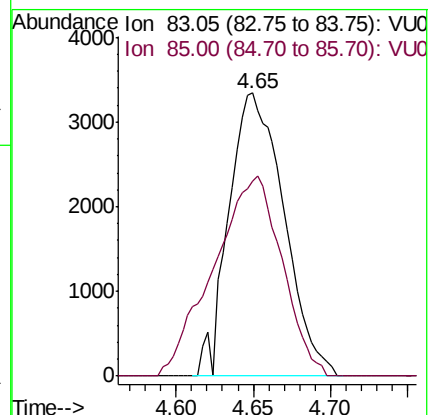
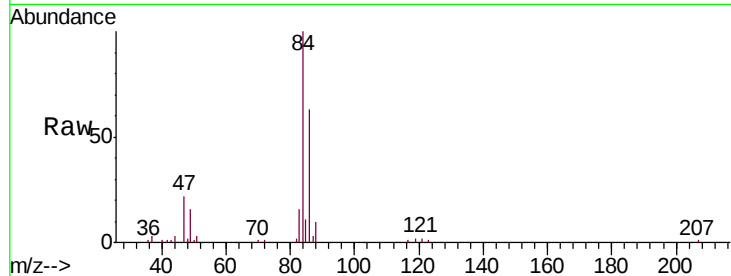
BFD78DL

Tgt Ion: 83 Resp: 8268

Ion Ratio Lower Upper

83 100

85 68.8 46.8 86.8



#34

Trichloroethene

Concen: 0.551 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034400.D

Acq: 07 Sep 2019 23:52

Tgt Ion: 95 Resp: 12284

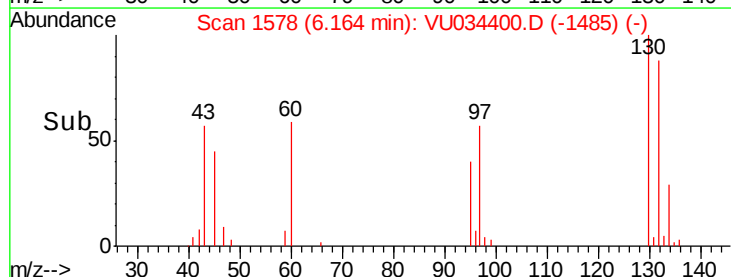
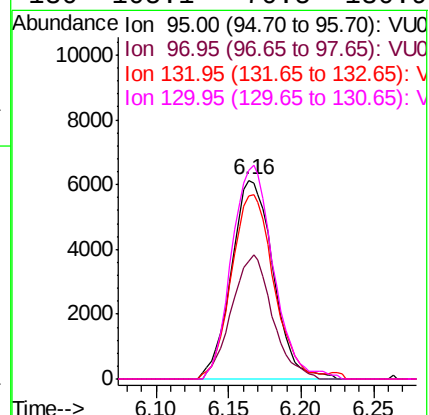
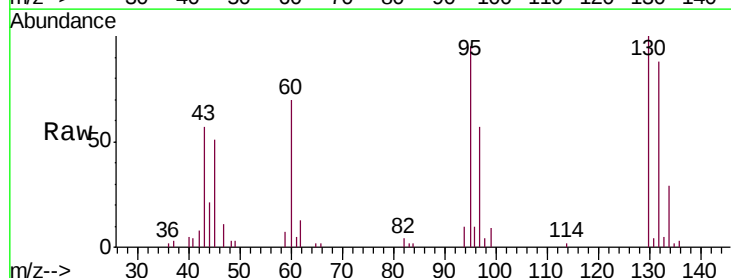
Ion Ratio Lower Upper

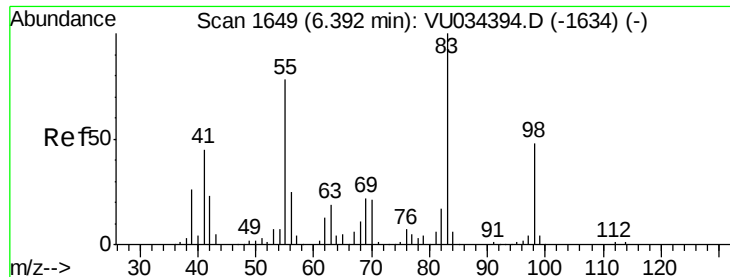
95 100

97 59.4 43.3 80.5

132 92.1 68.6 127.4

130 105.1 70.5 130.9

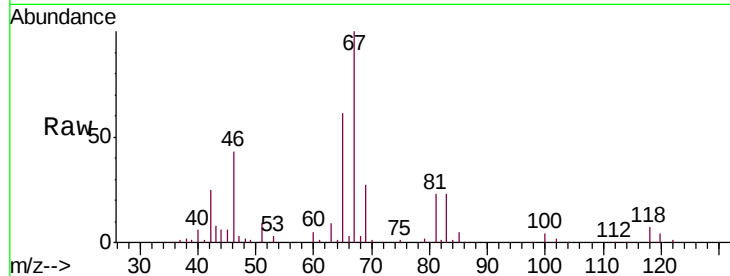




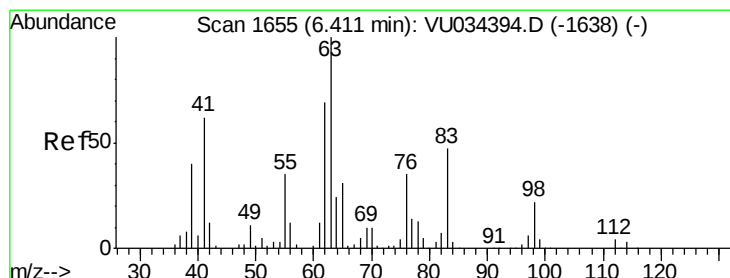
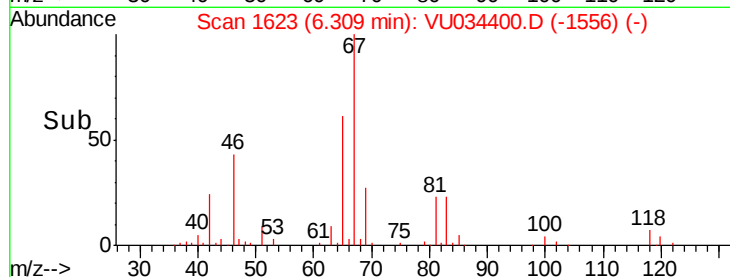
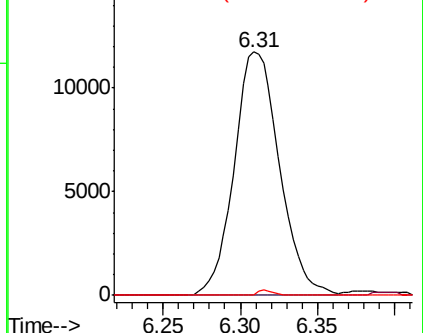
#35
Methylcyclohexane
Concen: 0.647 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU034400.D
Acq: 07 Sep 2019 23:52

Instrument :
MSVOA_U
ClientSampleId :
BFD78DL

Tgt Ion: 83 Resp: 23910
Ion Ratio Lower Upper
83 100
55 0.7 62.6 94.0#
98 0.8 36.2 54.2#

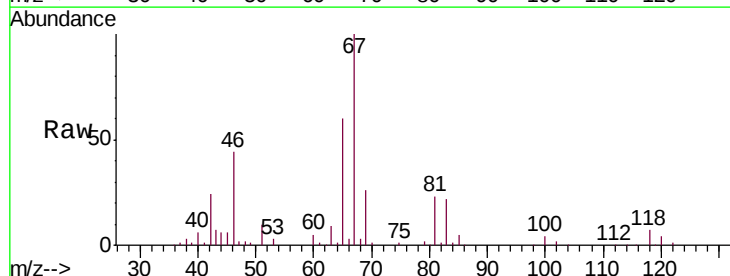


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

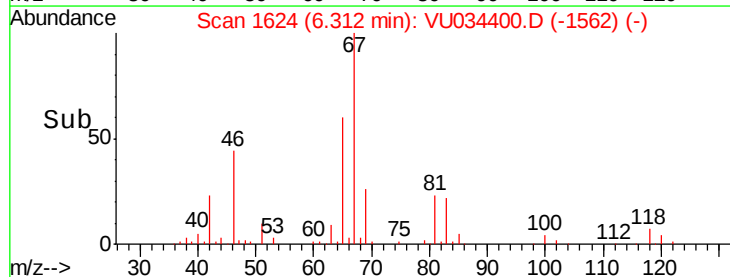
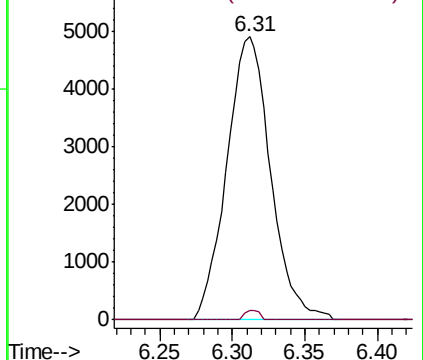


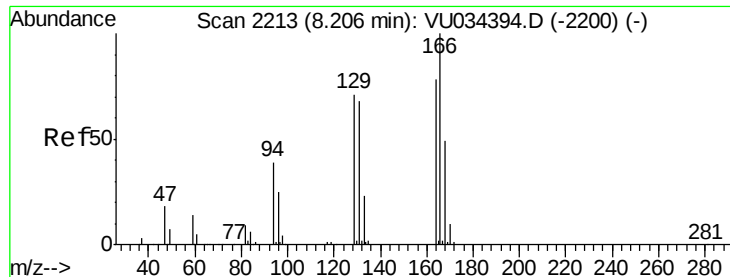
#37
1,2-Dichloropropane
Concen: 0.461 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU034400.D
Acq: 07 Sep 2019 23:52

Tgt Ion: 63 Resp: 10292
Ion Ratio Lower Upper
63 100
112 1.1 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 6.951 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034400.D

Acq: 07 Sep 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

BFD78DL

Tgt Ion:164 Resp: 127465

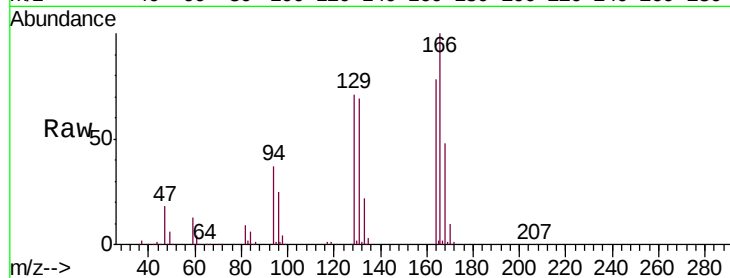
Ion Ratio Lower Upper

164 100

129 90.3 68.0 126.2

131 88.1 64.6 120.0

166 127.9 92.0 170.8

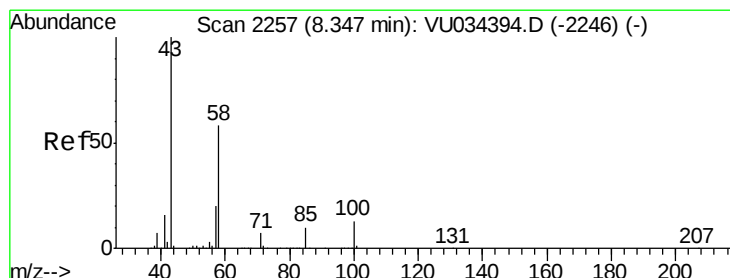
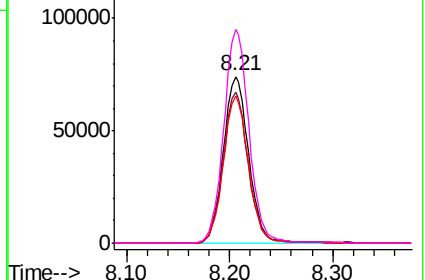
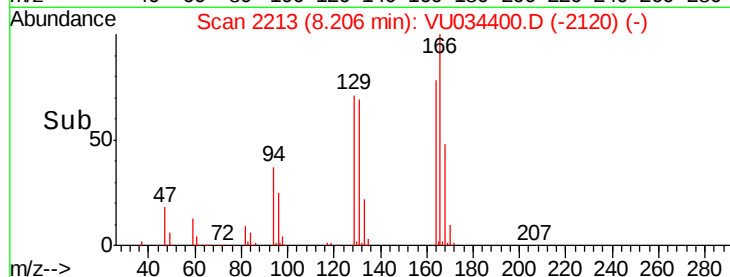


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.079 ug/L

RT: 8.30 min Scan# 2241

Delta R.T. -0.05 min

Lab File: VU034400.D

Acq: 07 Sep 2019 23:52

Tgt Ion: 43 Resp: 17921

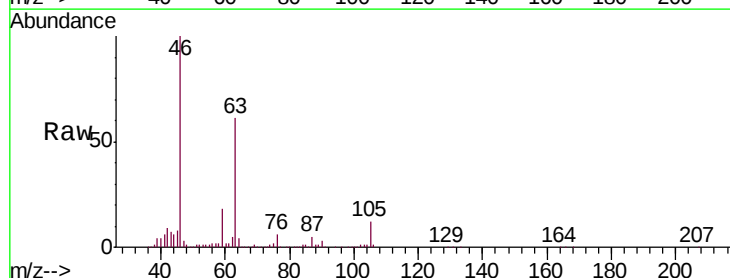
Ion Ratio Lower Upper

43 100

58 39.4 44.9 67.3#

57 35.3 15.0 22.6#

100 2.0 9.2 13.8#

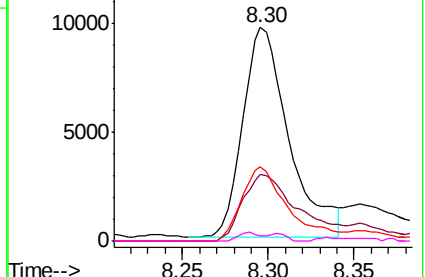
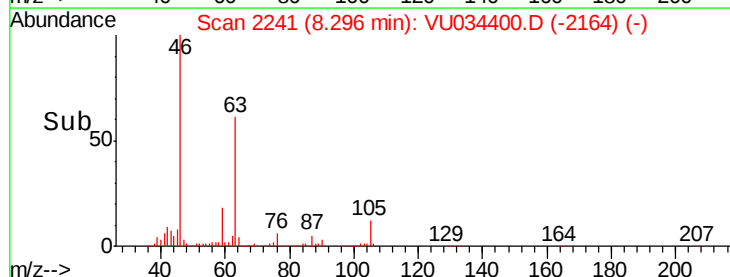


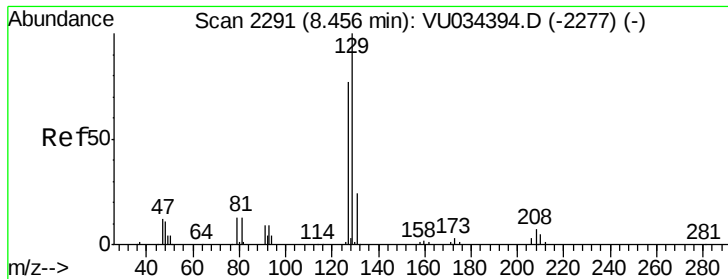
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 6.705 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034400.D

Acq: 07 Sep 2019 23:52

Instrument :

MSVOA_U

ClientSampleId :

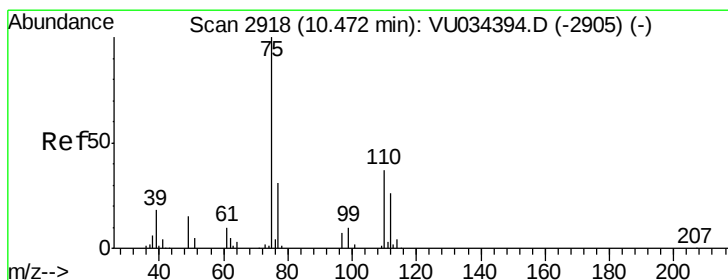
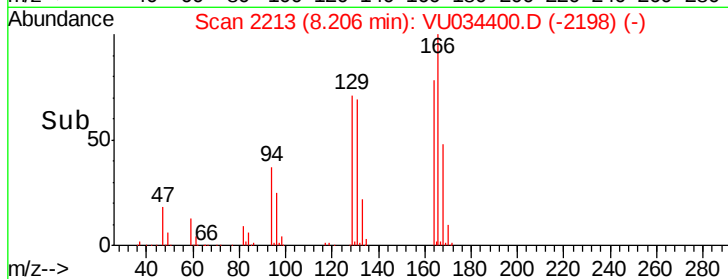
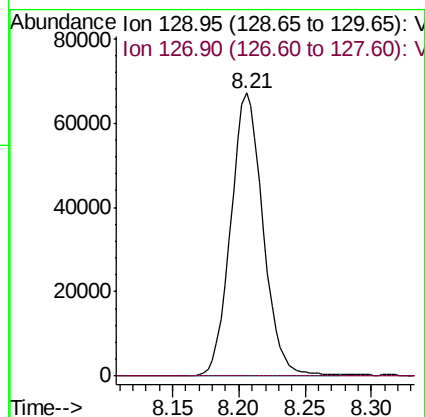
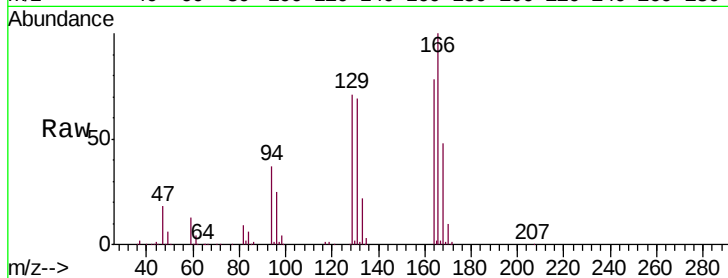
BFD78DL

Tgt Ion:129 Resp: 113787

Ion Ratio Lower Upper

129 100

127 0.1 54.2 100.6#



#59

1,2,3-Trichloropropane

Concen: 1.081 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034400.D

Acq: 07 Sep 2019 23:52

Tgt Ion: 75 Resp: 13804

Ion Ratio Lower Upper

75 100

77 34.8 26.0 39.0

