

Data File : VU029754.D
Acq On : 01 Mar 2019 11:22
Operator : JC/SP
Sample : K1577-01DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWJW1DL

Quant Time: Mar 01 22:15:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 22:12:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	247817	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	237564	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117159	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62446	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.68	69	65625	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.27	63	101779	2.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.60%#
20) 2-Butanone-d5	4.19	46	240411	65.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.40%#
24) Chloroform-d	4.64	84	155990	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.31	65	82533	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.34	84	312080	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.33	67	101006	5.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.80%
41) Toluene-d8	7.56	98	275246	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.85	79	37661	5.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.40%
46) 2-Hexanone-d5	8.31	63	231372	64.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	89570	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	119320	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	3719	0.176	ug/L #	1
6) Bromomethane	1.63	94	544	0.046	ug/L #	31
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	908	0.047	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	981	0.053	ug/L #	1
13) Acetone	2.32	43	2868	1.091	ug/L	92
22) cis-1,2-Dichloroethene	4.22	96	107562	5.871	ug/L	96
25) Chloroform	4.67	83	3046	0.098	ug/L	88
34) Trichloroethene	6.18	95	30902	1.763	ug/L	95
35) Methylcyclohexane	6.33	83	23935	0.842	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	10063	0.636	ug/L #	86
39) cis-1,3-Dichloropropene	7.22	75	2441	0.105	ug/L #	66
42) Toluene	7.64	91	7247	0.102	ug/L	83
47) Tetrachloroethene	8.22	164	36833	2.263	ug/L	98
48) 2-Hexanone	8.37	43	2623	0.403	ug/L #	84
49) Dibromochloromethane	8.22	129	33145	2.209	ug/L #	12
51) Chlorobenzene	9.12	112	10522	0.215	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	13134	1.244	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030119\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 22:12:01 2019
Response via : Initial Calibration

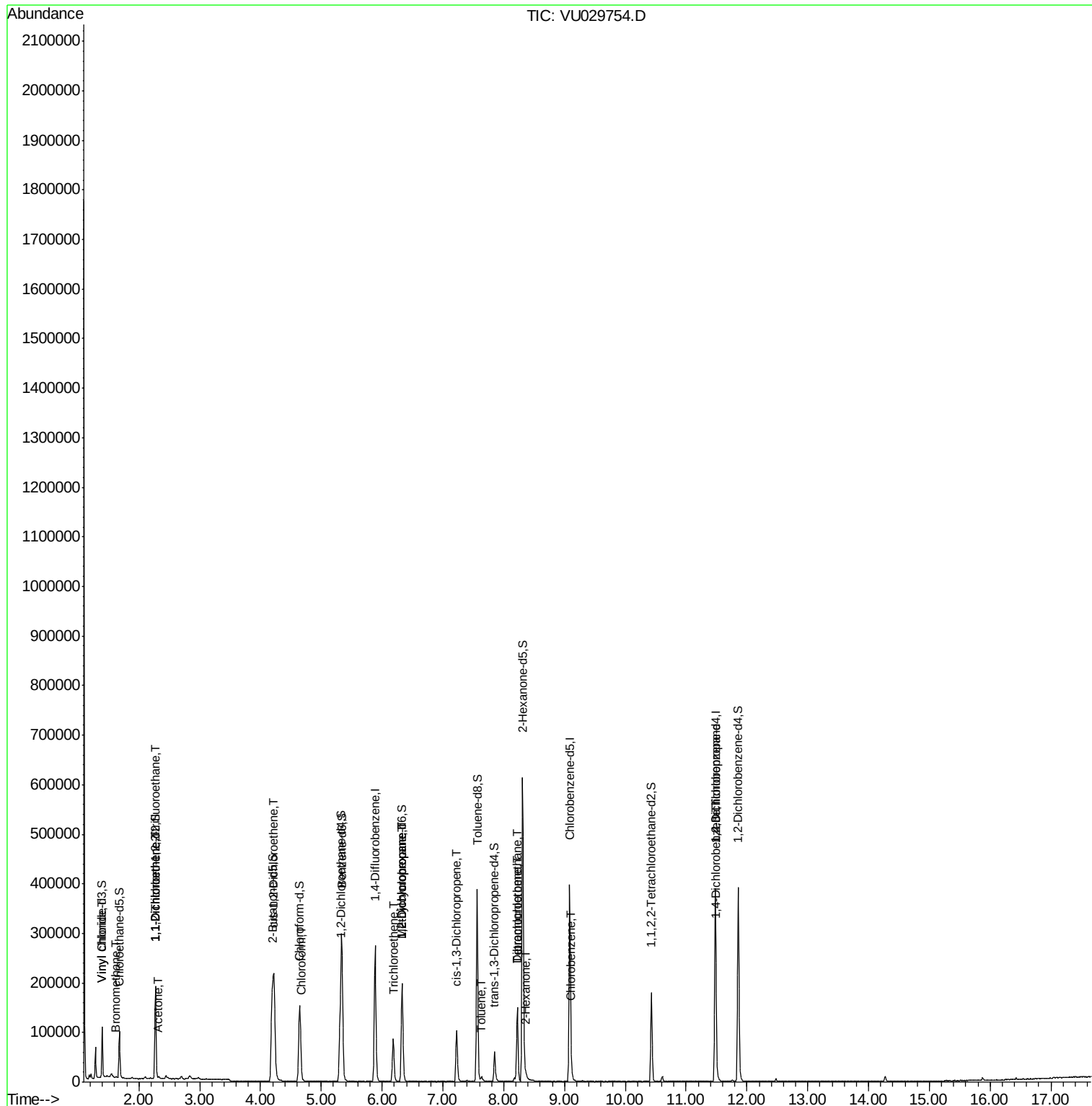
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.50	146	3063	0.081	ug/L	90

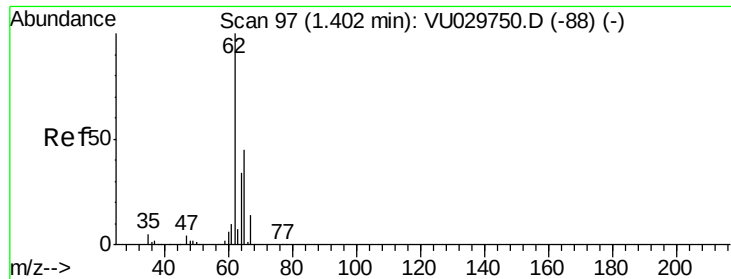
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.176 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029754.D

Acq: 01 Mar 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

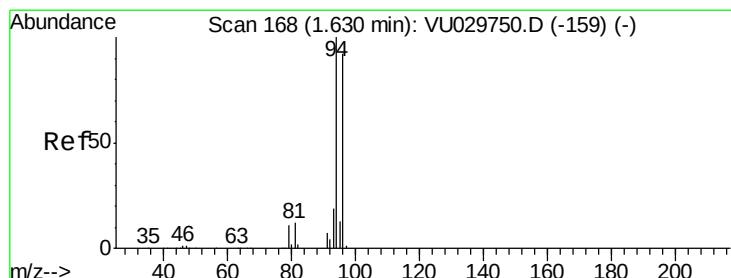
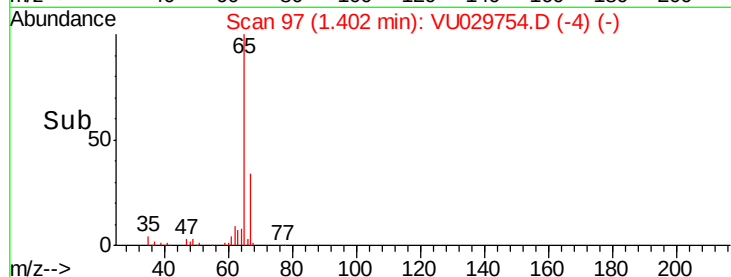
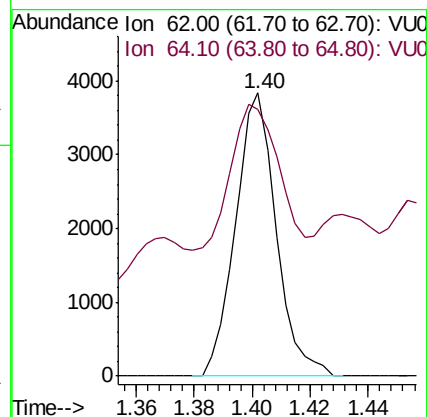
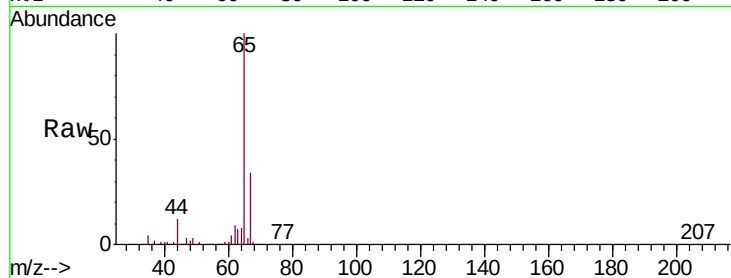
CWJW1DL

Tgt Ion: 62 Resp: 3719

Ion Ratio Lower Upper

62 100

64 94.3 24.8 46.1#



#6

Bromomethane

Concen: 0.046 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU029754.D

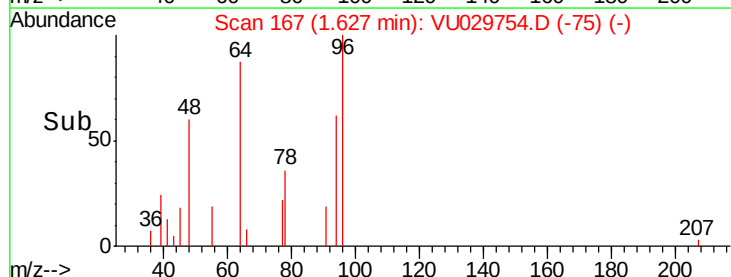
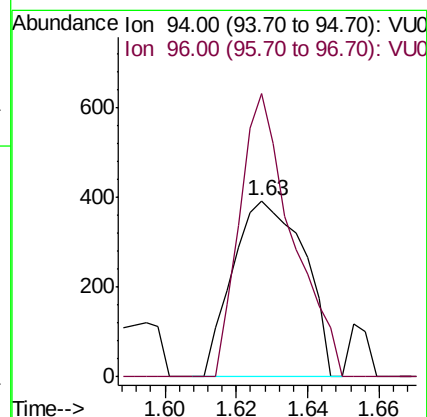
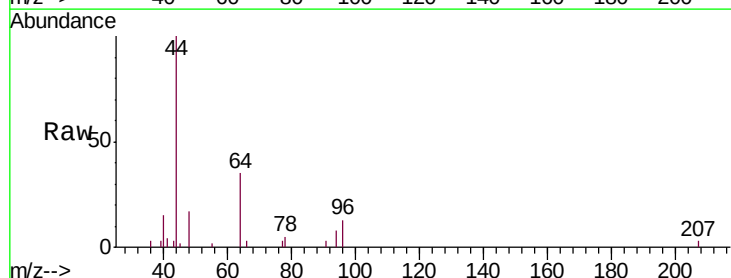
Acq: 01 Mar 2019 11:22

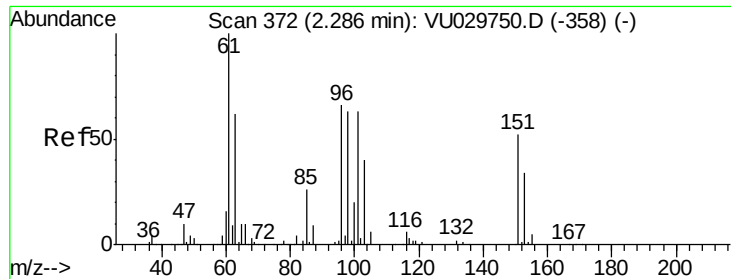
Tgt Ion: 94 Resp: 544

Ion Ratio Lower Upper

94 100

96 161.0 66.0 122.6#





#10

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

Concen: 0.047 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029754.D

Acq: 01 Mar 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

CWJW1DL

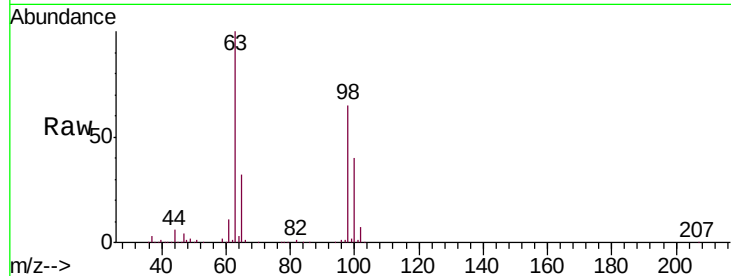
Tgt Ion: 101 Resp: 908

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

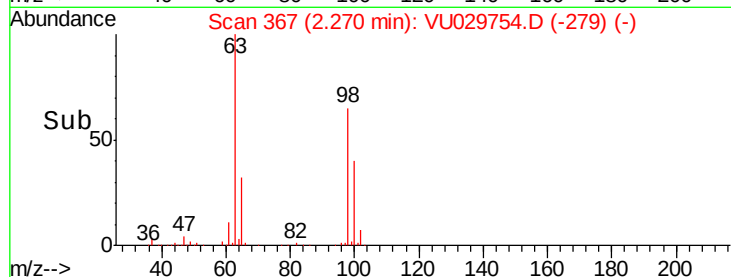
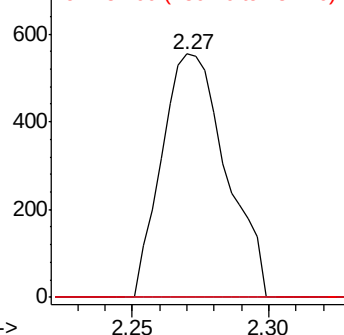
151 0.0 65.9 98.9#



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: 0.053 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029754.D

Acq: 01 Mar 2019 11:22

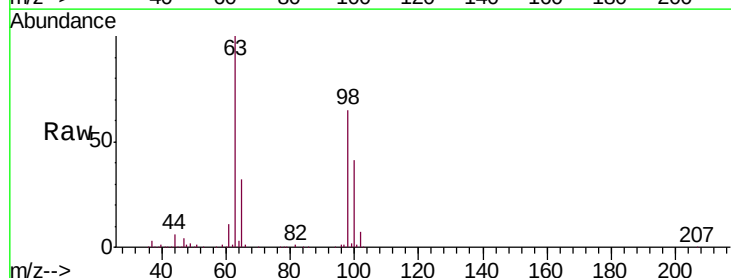
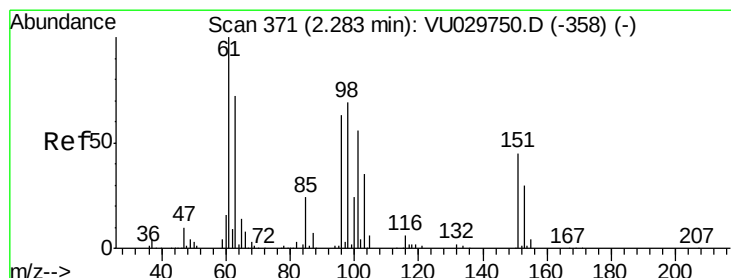
Tgt Ion: 96 Resp: 981

Ion Ratio Lower Upper

96 100

61 1402.6 111.3 206.7#

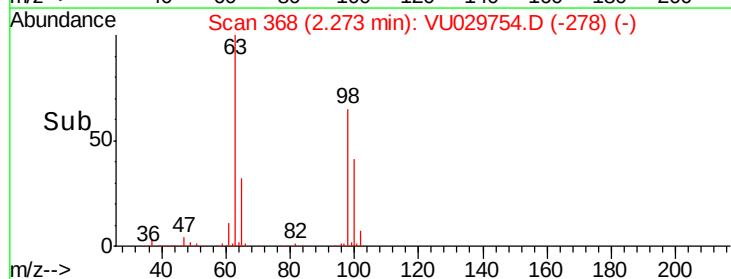
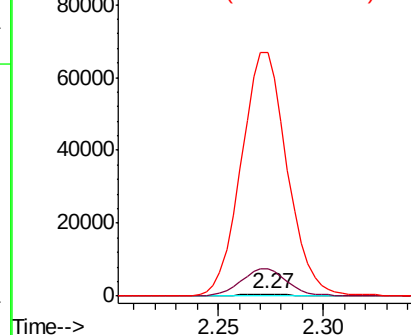
63 12445.4 88.5 164.3#

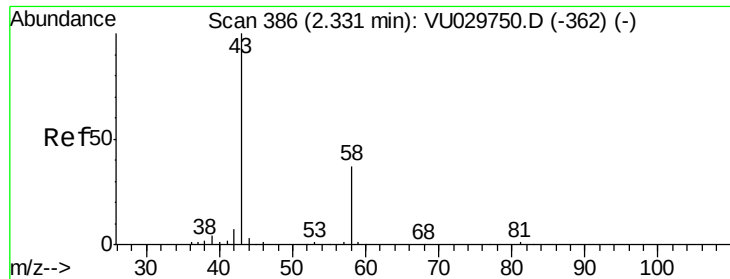


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.091 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU029754.D

Acq: 01 Mar 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

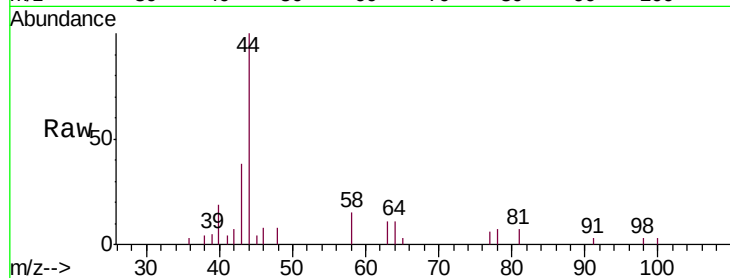
CWJW1DL

Tgt Ion: 43 Resp: 2868

Ion Ratio Lower Upper

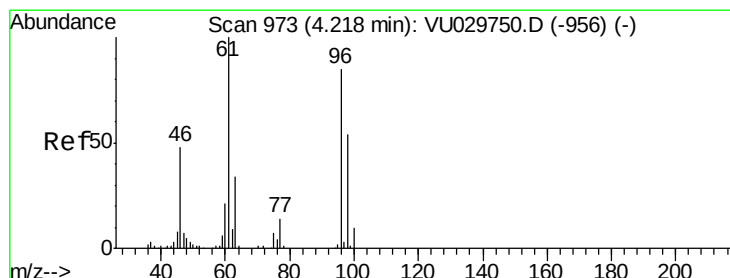
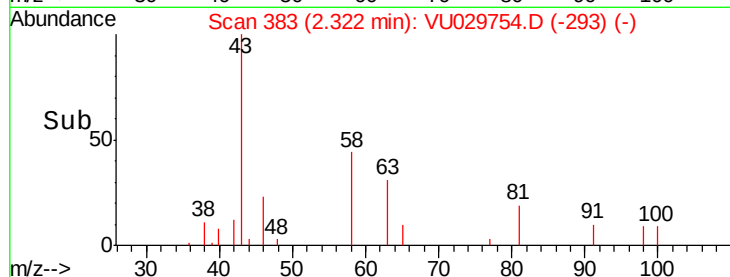
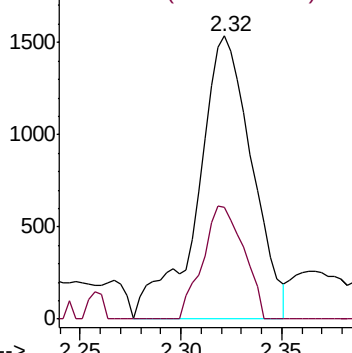
43 100

58 30.4 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 5.871 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029754.D

Acq: 01 Mar 2019 11:22

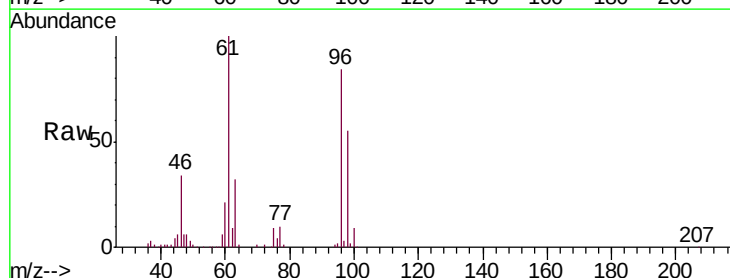
Tgt Ion: 96 Resp: 107562

Ion Ratio Lower Upper

96 100

61 119.3 80.2 149.0

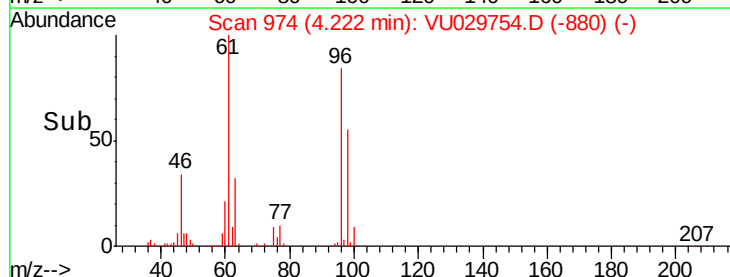
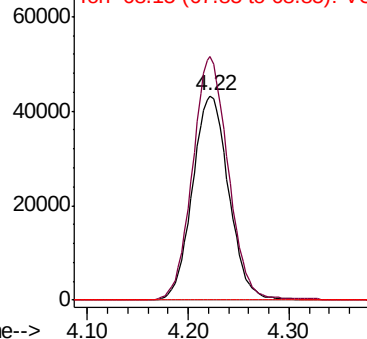
68 0.0 0.0 0.0

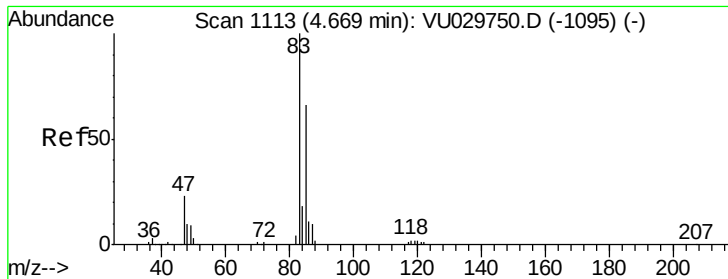


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

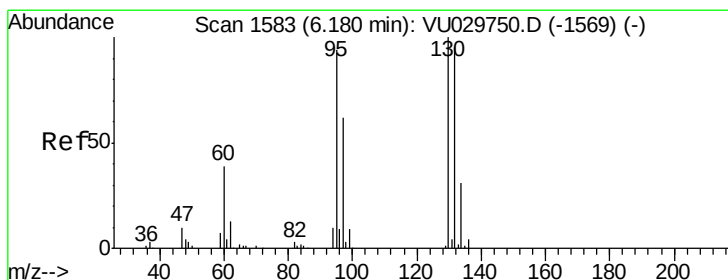
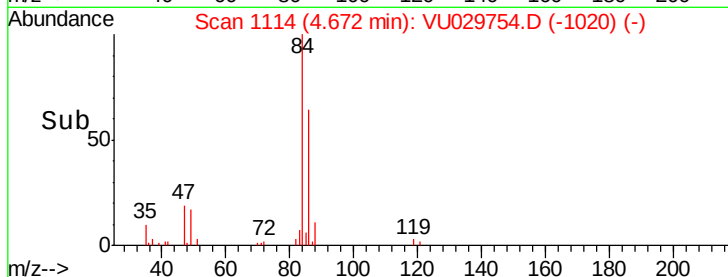
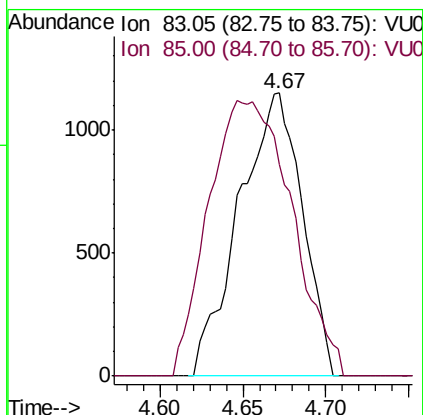
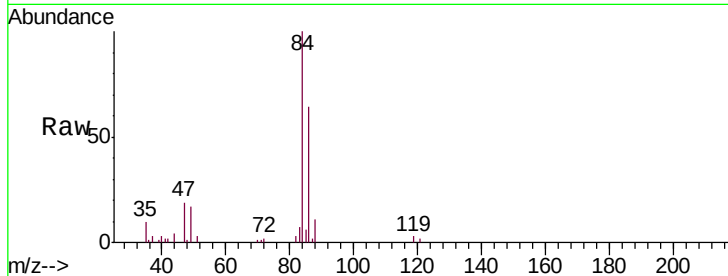




#25
Chloroform
Concen: 0.098 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029754.D
Acq: 01 Mar 2019 11:22

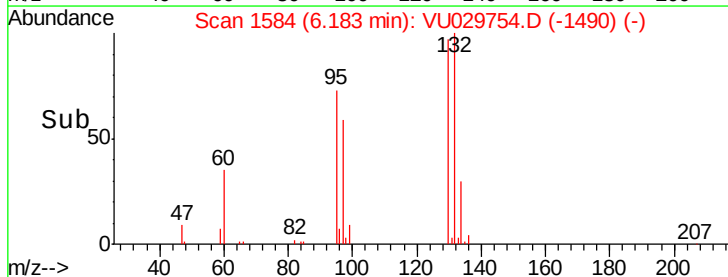
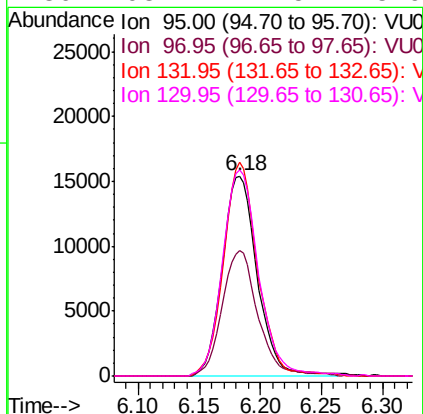
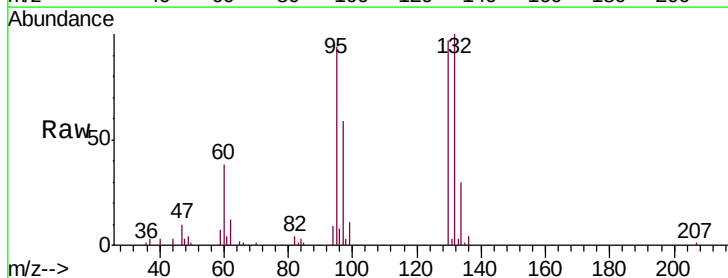
Instrument :
MSVOA_U
ClientSampled :
CWJW1DL

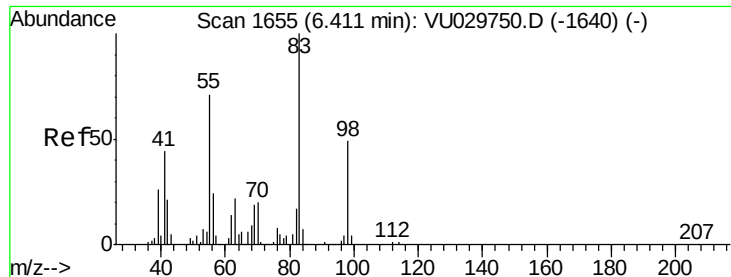
Tgt Ion: 83 Resp: 3046
Ion Ratio Lower Upper
83 100
85 74.6 45.6 84.6



#34
Trichloroethene
Concen: 1.763 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU029754.D
Acq: 01 Mar 2019 11:22

Tgt Ion: 95 Resp: 30902
Ion Ratio Lower Upper
95 100
97 62.7 45.6 84.8
132 106.8 72.9 135.3
130 103.1 77.5 143.9

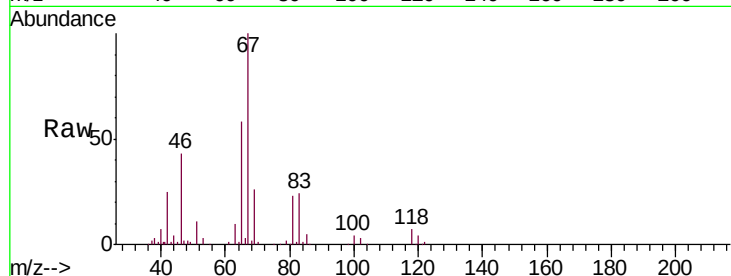




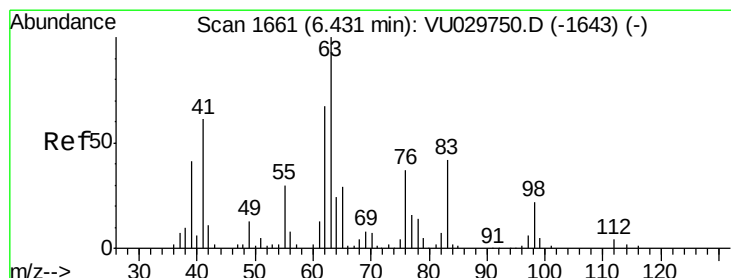
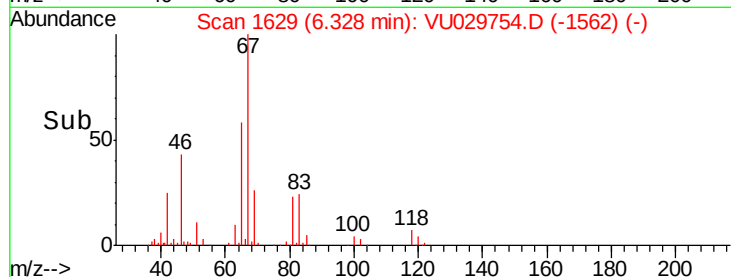
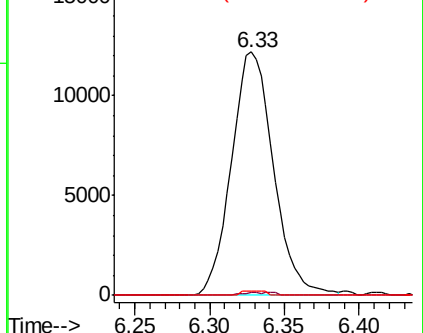
#35
Methylcyclohexane
Concen: 0.842 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029754.D
Acq: 01 Mar 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
CWJW1DL

Tgt Ion: 83 Resp: 23935
Ion Ratio Lower Upper
83 100
55 0.9 56.5 84.7#
98 0.9 39.4 59.2#

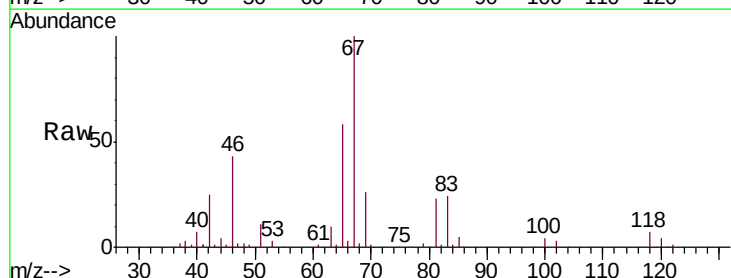


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

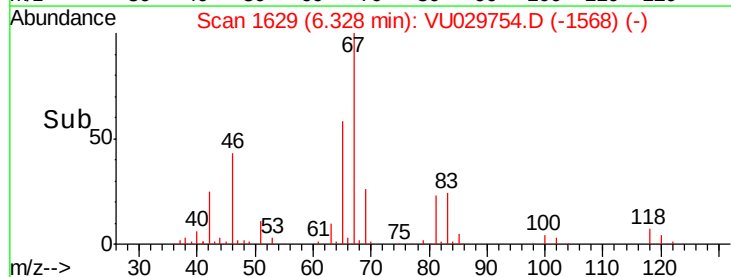
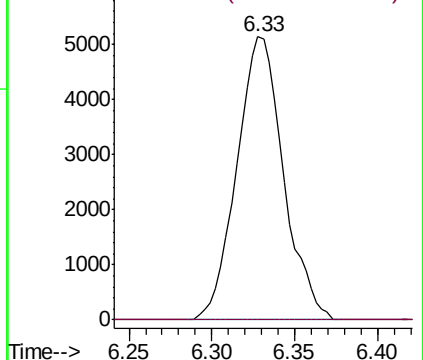


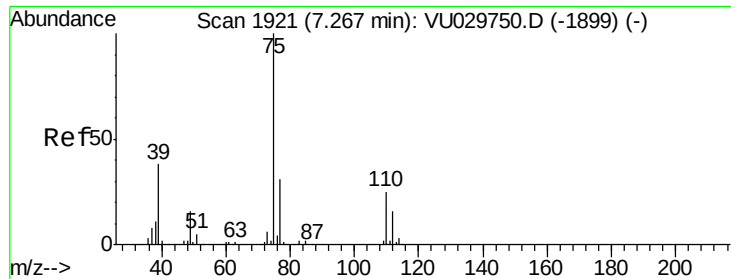
#37
1,2-Dichloropropane
Concen: 0.636 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029754.D
Acq: 01 Mar 2019 11:22

Tgt Ion: 63 Resp: 10063
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



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

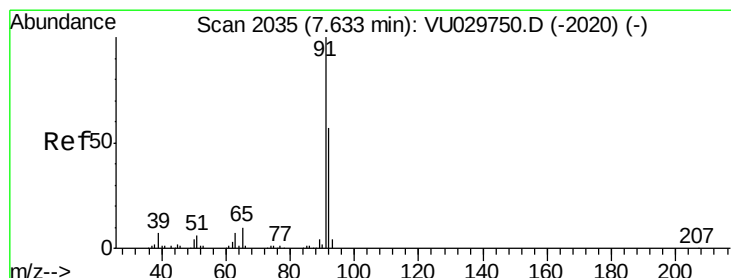
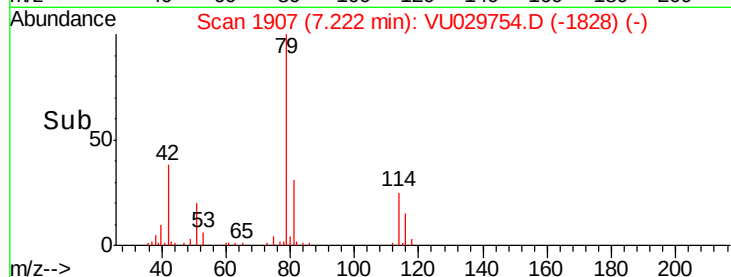
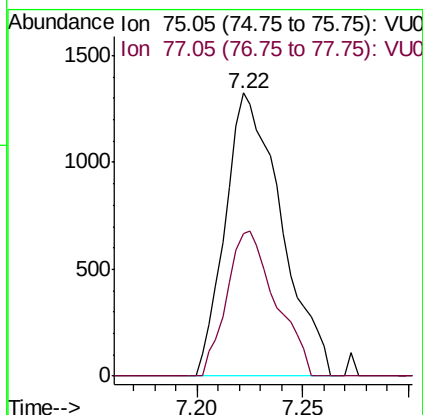
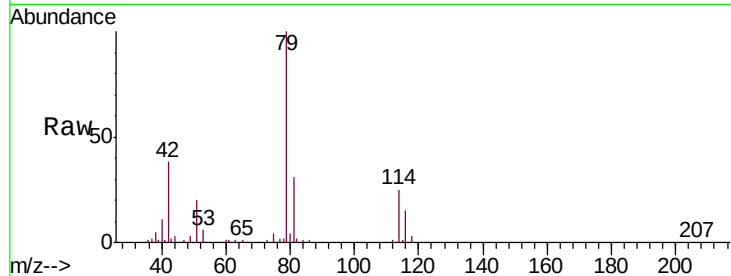




#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU029754.D
 Acq: 01 Mar 2019 11:22

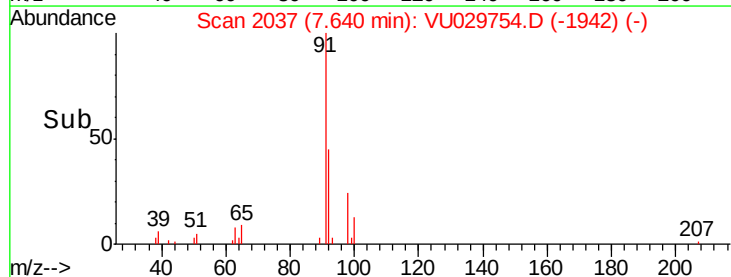
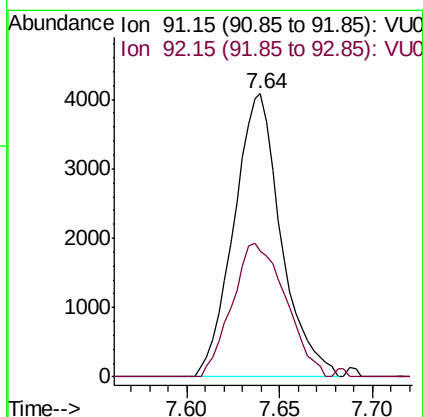
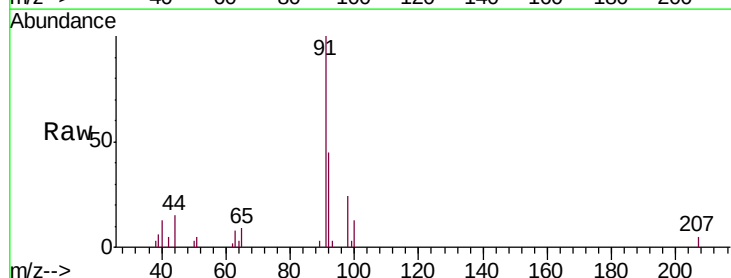
Instrument :
 MSVOA_U
 ClientSampleId :
 CWJW1DL

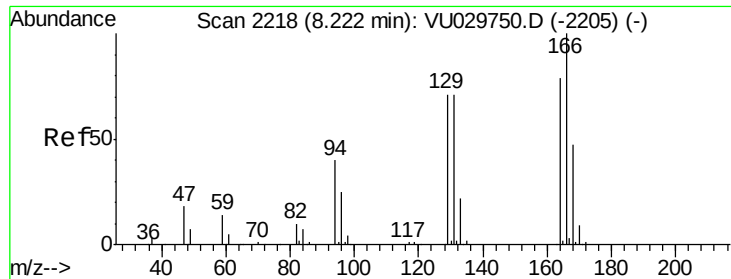
Tgt Ion: 75 Resp: 2441
 Ion Ratio Lower Upper
 75 100
 77 50.6 22.3 41.5#



#42
 Toluene
 Concen: 0.102 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU029754.D
 Acq: 01 Mar 2019 11:22

Tgt Ion: 91 Resp: 7247
 Ion Ratio Lower Upper
 91 100
 92 44.6 40.1 74.5

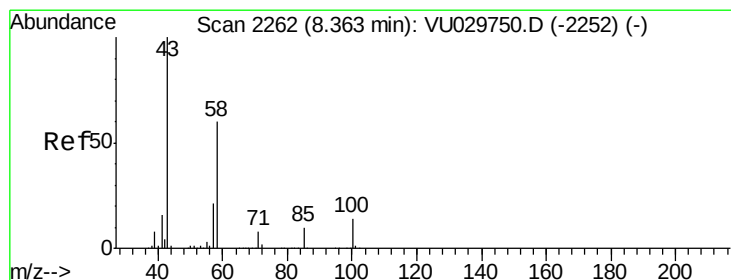
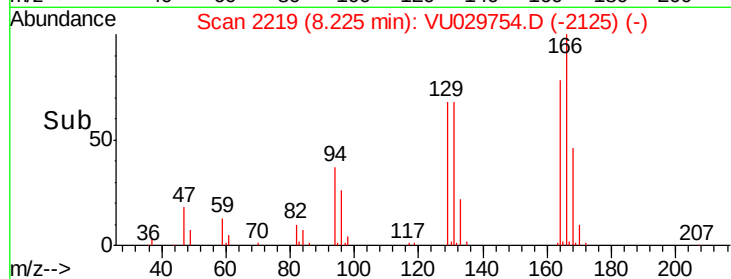
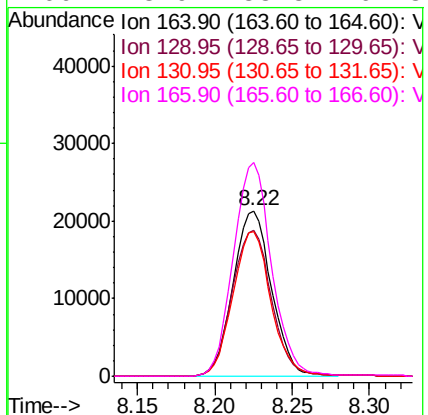
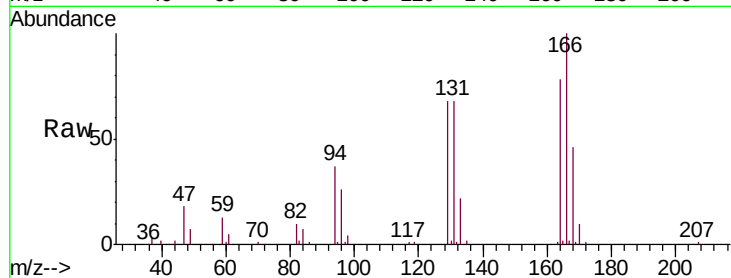




#47
Tetrachloroethene
Concen: 2.263 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029754.D
Acq: 01 Mar 2019 11:22

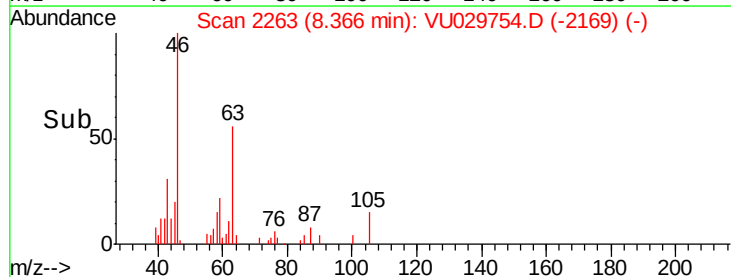
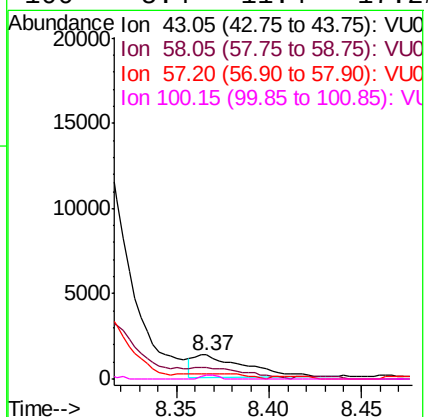
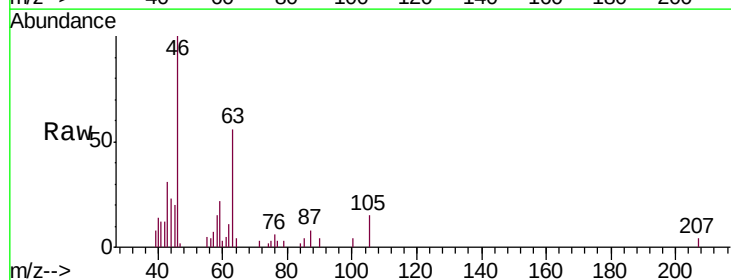
Instrument :
MSVOA_U
ClientSampleId :
CWJW1DL

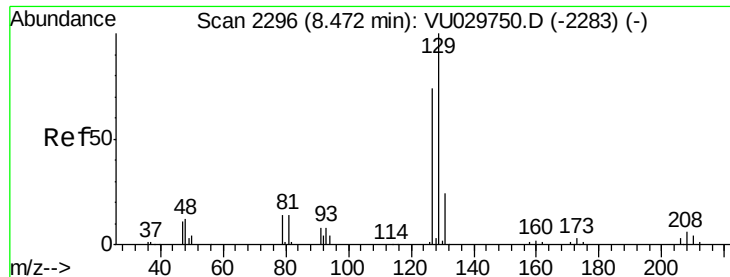
Tgt Ion:	164	Resp:	36833
Ion	Ratio	Lower	Upper
164	100		
129	87.9	62.9	116.7
131	87.5	61.8	114.8
166	128.9	88.8	164.8



#48
2-Hexanone
Concen: 0.403 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029754.D
Acq: 01 Mar 2019 11:22

Tgt Ion:	43	Resp:	2623
Ion	Ratio	Lower	Upper
43	100		
58	49.4	46.6	69.8
57	8.3	15.9	23.9#
100	5.4	11.4	17.2#





#49

Dibromochloromethane

Concen: 2.209 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029754.D

Acq: 01 Mar 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

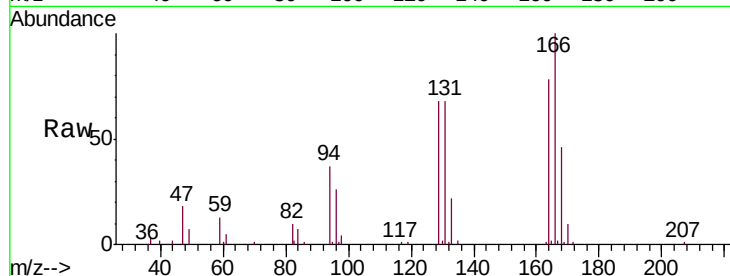
CWJW1DL

Tgt Ion:129 Resp: 33145

Ion Ratio Lower Upper

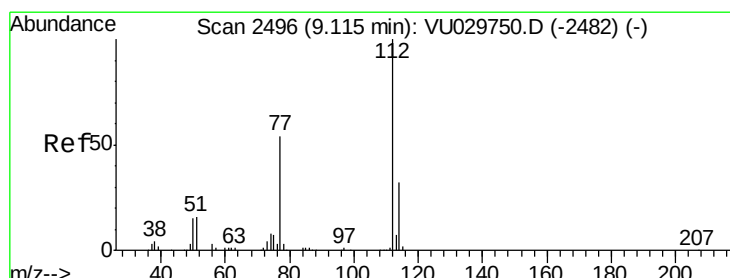
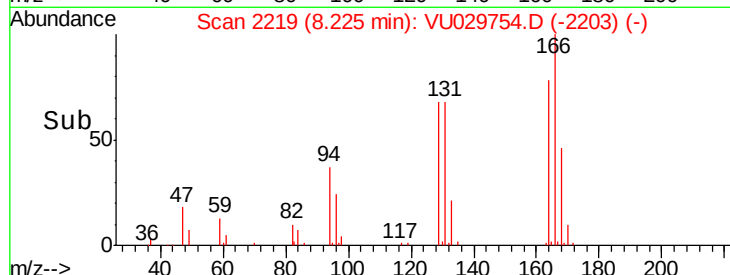
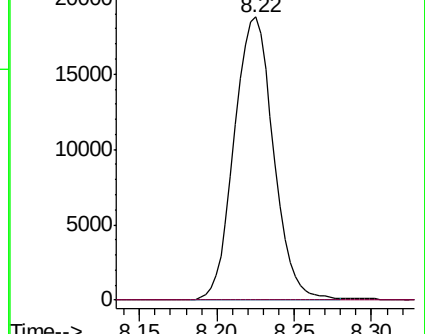
129 100

127 0.0 52.5 97.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#51

Chlorobenzene

Concen: 0.215 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU029754.D

Acq: 01 Mar 2019 11:22

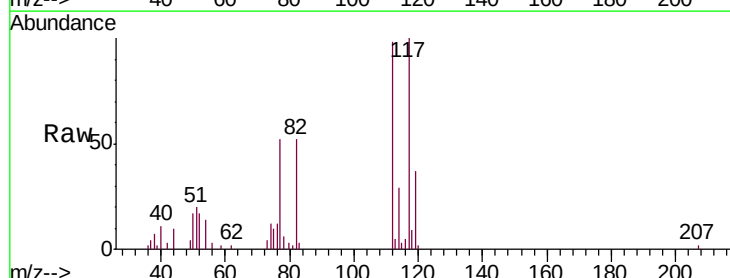
Tgt Ion:112 Resp: 10522

Ion Ratio Lower Upper

112 100

114 29.6 22.3 41.3

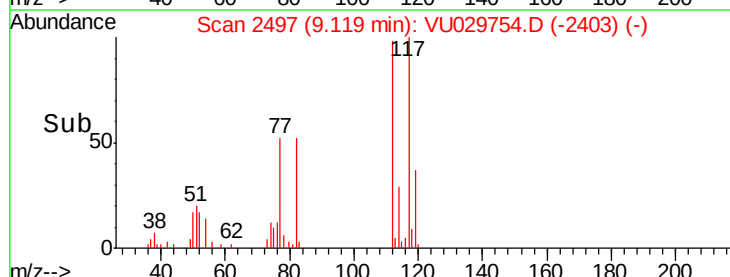
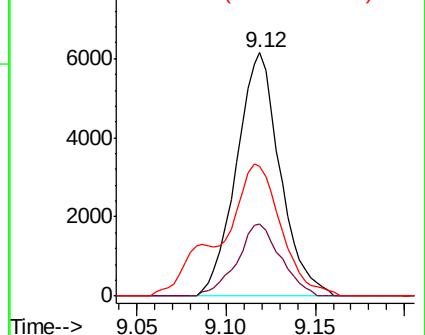
77 53.5 42.7 64.1

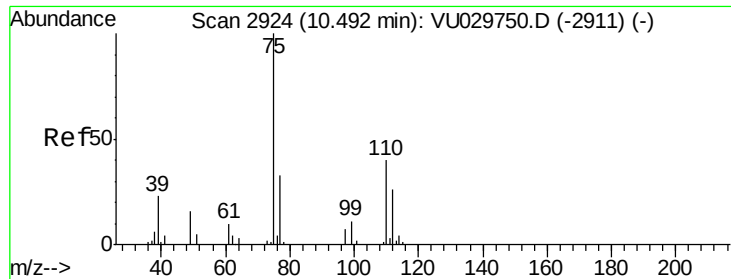


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#59

1,2,3-Trichloropropane

Concen: 1.244 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029754.D

Acq: 01 Mar 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

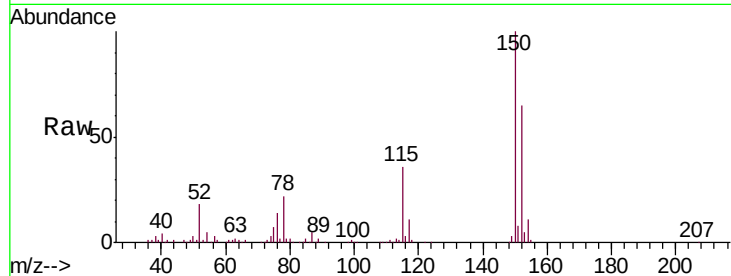
CWJW1DL

Tgt Ion: 75 Resp: 13134

Ion Ratio Lower Upper

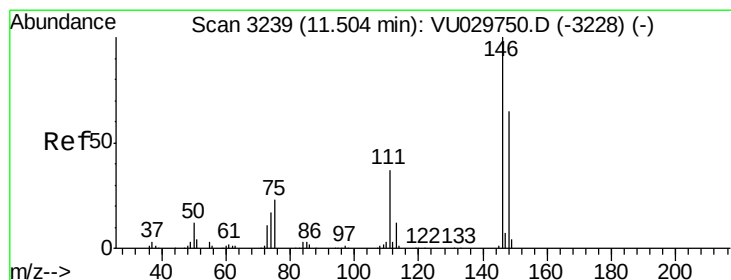
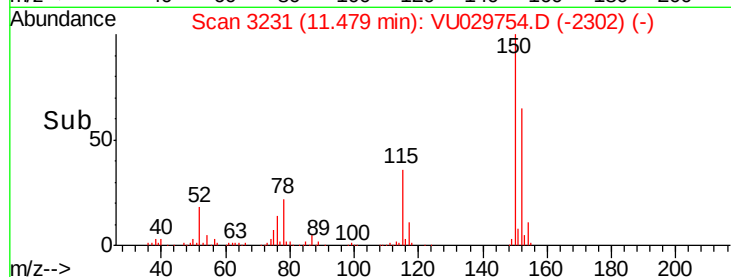
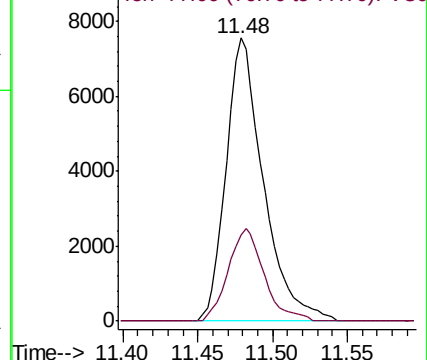
75 100

77 31.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#63

1,4-Dichlorobenzene

Concen: 0.081 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU029754.D

Acq: 01 Mar 2019 11:22

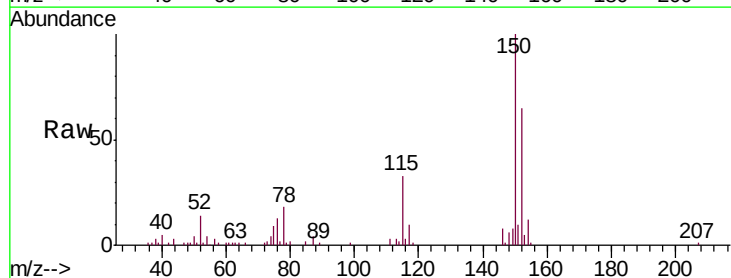
Tgt Ion: 146 Resp: 3063

Ion Ratio Lower Upper

146 100

111 41.0 25.4 47.2

148 71.1 43.7 81.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

