

Data File : VU029730.D
Acq On : 28 Feb 2019 12:07
Operator : JC/SP
Sample : K1577-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWJW1

Quant Time: Mar 01 00:22:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	253092	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	244524	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	121458	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74226	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.68	69	71960	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.27	63	117124	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.19	46	221586	59.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.58%
24) Chloroform-d	4.65	84	144207	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.31	65	81469	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.34	84	330968	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.33	67	102836	5.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.60%
41) Toluene-d8	7.56	98	295093	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.85	79	38269	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.31	63	212578	57.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	85461	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	127625	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	1472	0.075	ug/L	90
5) Vinyl chloride	1.40	62	15660	0.726	ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1102	0.056	ug/L #	17
12) 1,1-Dichloroethene	2.28	96	1371	0.073	ug/L #	1
13) Acetone	2.32	43	7033	2.620	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	3166	0.155	ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	479242	25.611	ug/L	98
25) Chloroform	4.67	83	13477	0.423	ug/L	90
33) Benzene	5.39	78	5559	0.086	ug/L	100
34) Trichloroethene	6.18	95	136410	7.562	ug/L	97
35) Methylcyclohexane	6.33	83	23959	0.819	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	10547	0.648	ug/L #	86
39) cis-1,3-Dichloropropene	7.22	75	2332	0.098	ug/L #	59
42) Toluene	7.64	91	25096	0.342	ug/L	98
45) 1,1,2-Trichloroethane	8.22	97	1237	0.097	ug/L #	1
47) Tetrachloroethene	8.22	164	164863	9.842	ug/L	99
48) 2-Hexanone	8.37	43	3801	0.568	ug/L #	67

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022819\
Quantitation Report (Not Reviewed)

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QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration

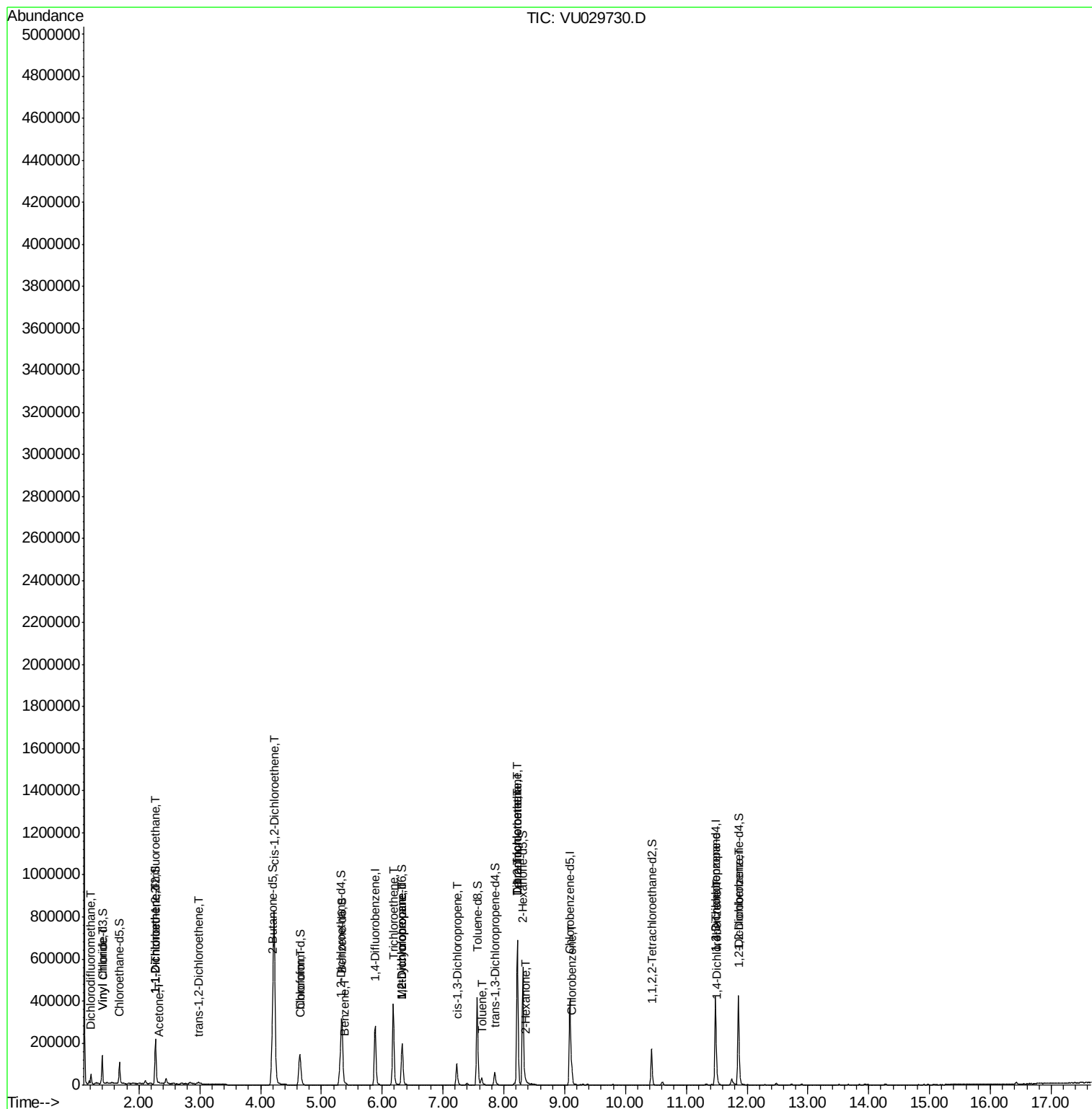
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.22	129	150182	9.726	ug/L #	12
51) Chlorobenzene	9.12	112	43009	0.854	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	15349	1.412	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	9831	0.251	ug/L	95
65) 1,2-Dichlorobenzene	11.87	146	3635	0.098	ug/L	96

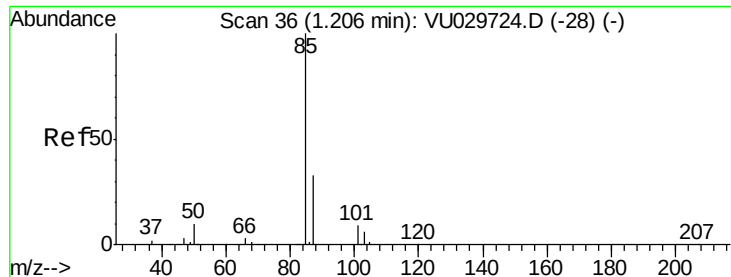
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.075 ug/L

RT: 1.21 min Scan# 37

Delta R.T. 0.00 min

Lab File: VU029730.D

Acq: 28 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

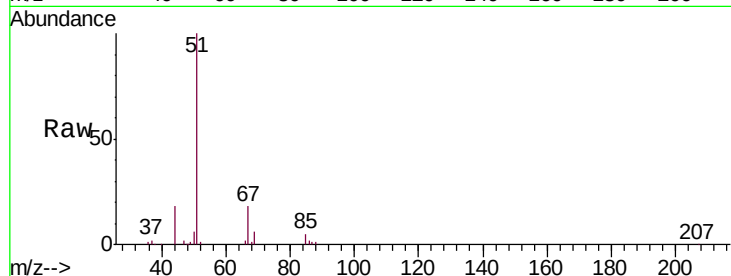
CWJW1

Tgt Ion: 85 Resp: 1472

Ion Ratio Lower Upper

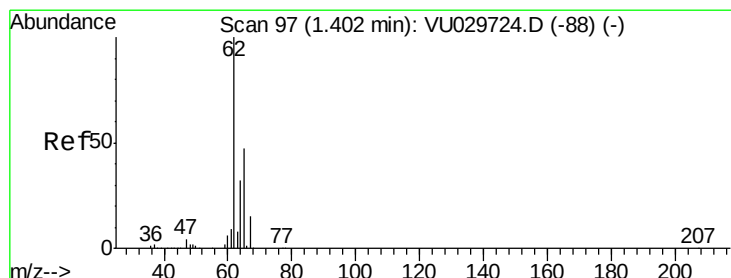
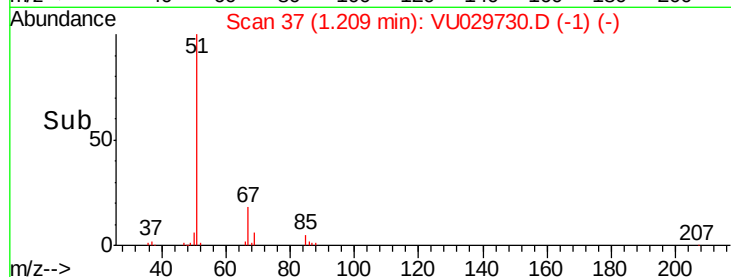
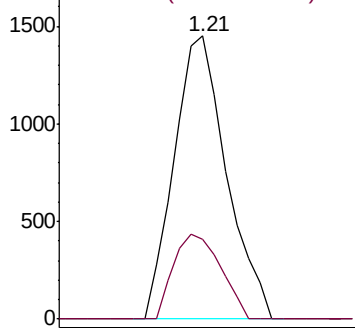
85 100

87 27.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#5

Vinyl chloride

Concen: 0.726 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029730.D

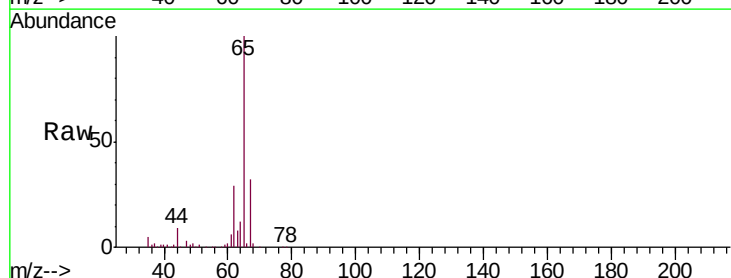
Acq: 28 Feb 2019 12:07

Tgt Ion: 62 Resp: 15660

Ion Ratio Lower Upper

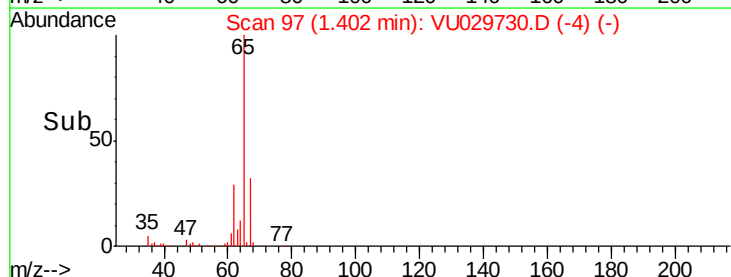
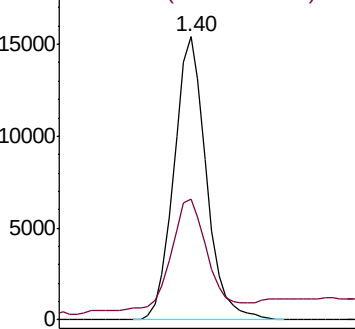
62 100

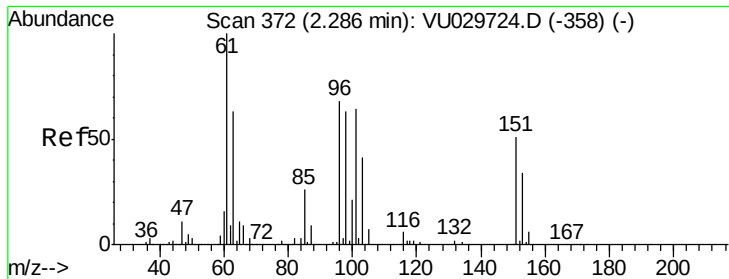
64 42.8 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#10

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

Concen: 0.056 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029730.D

Acq: 28 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

CWJW1

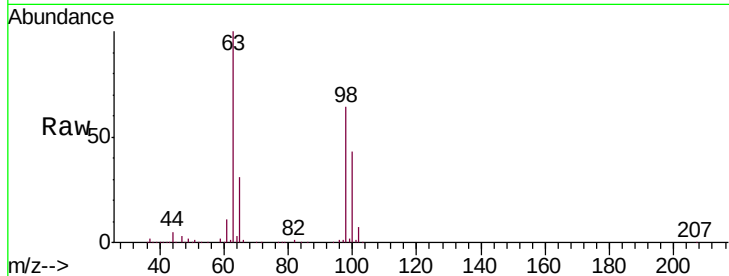
Tgt Ion: 101 Resp: 1102

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

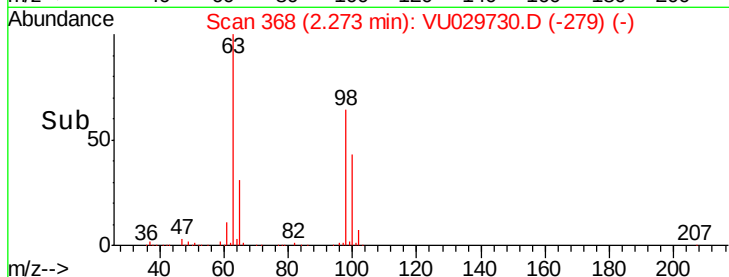
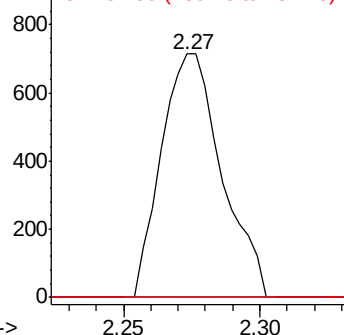
151 0.0 65.9 98.9#



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: 0.073 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029730.D

Acq: 28 Feb 2019 12:07

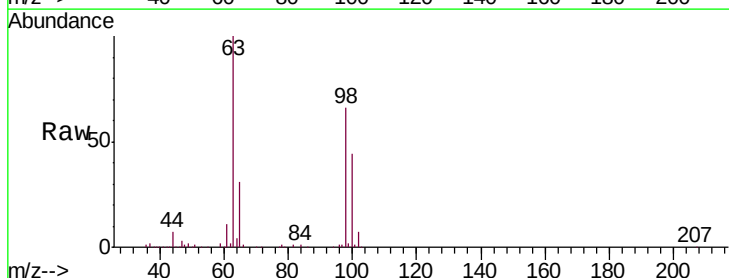
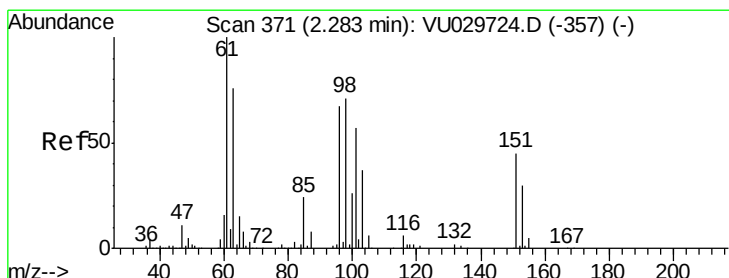
Tgt Ion: 96 Resp: 1371

Ion Ratio Lower Upper

96 100

61 775.4 111.3 206.7#

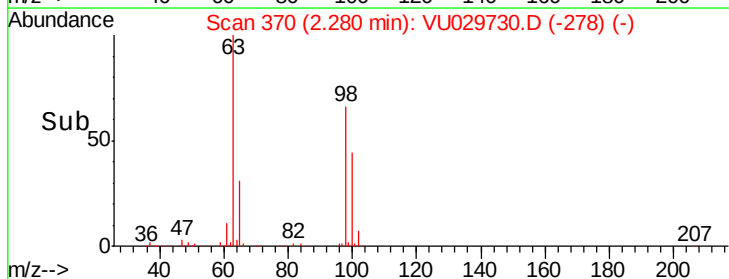
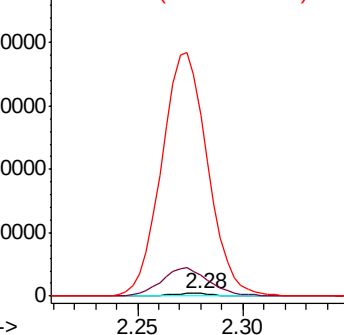
63 6776.8 88.5 164.3#

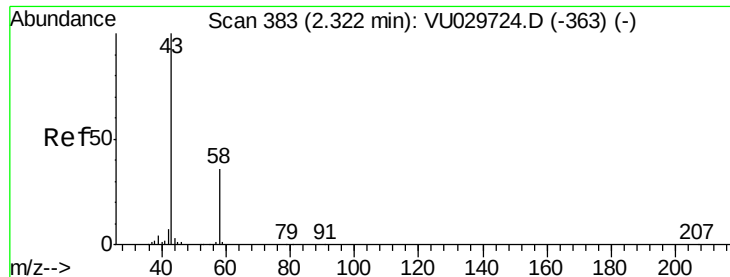


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.620 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029730.D

Acq: 28 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

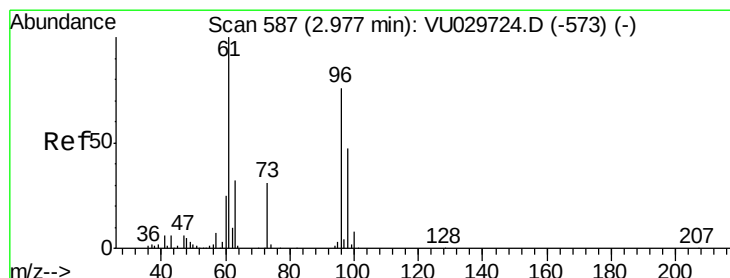
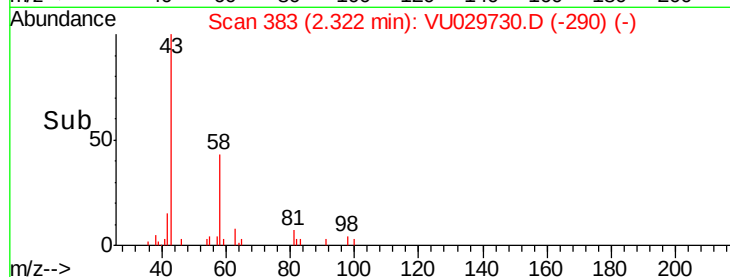
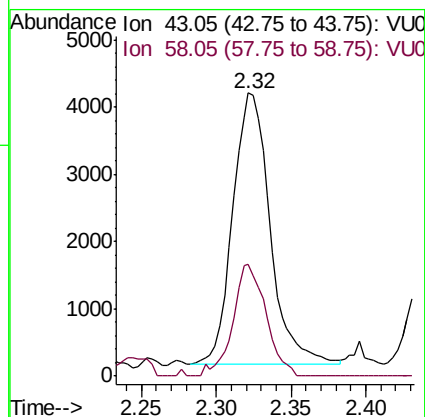
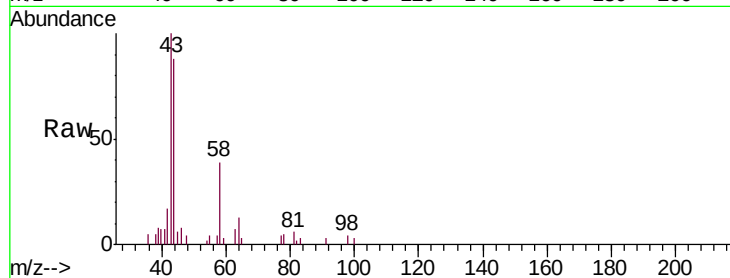
CWJW1

Tgt Ion: 43 Resp: 7033

Ion Ratio Lower Upper

43 100

58 36.4 0.0 70.2



#18

trans-1,2-Dichloroethene

Concen: 0.155 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029730.D

Acq: 28 Feb 2019 12:07

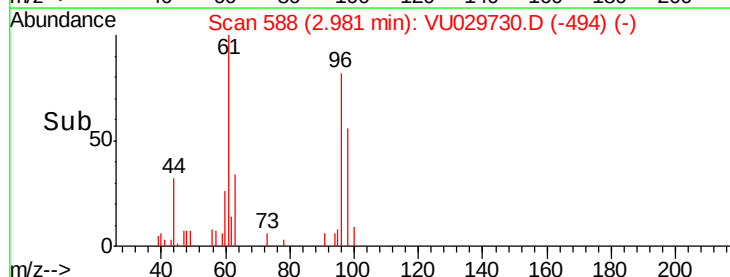
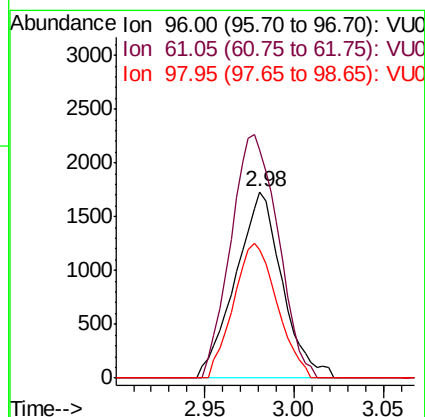
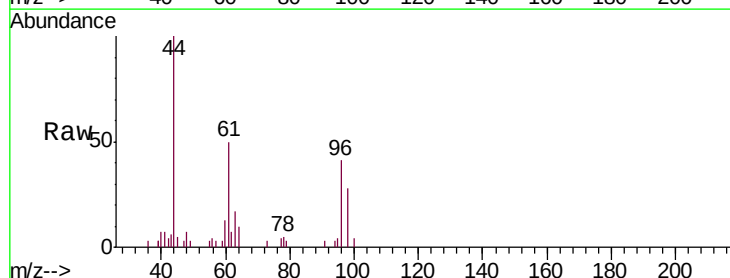
Tgt Ion: 96 Resp: 3166

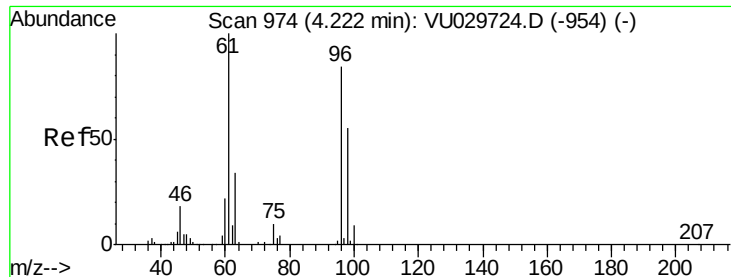
Ion Ratio Lower Upper

96 100

61 122.3 90.3 167.7

98 69.1 45.2 84.0



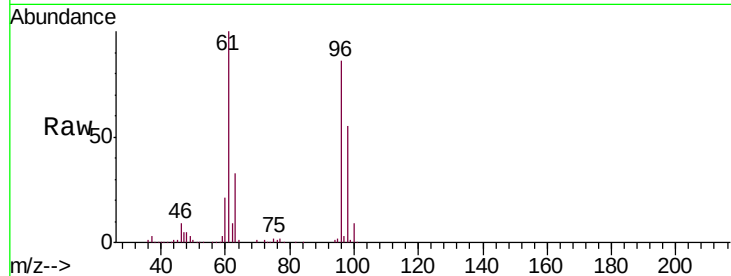


#22

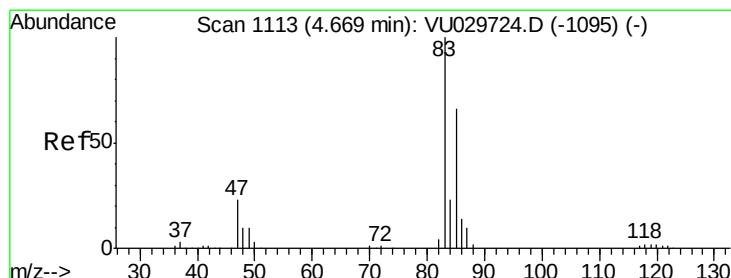
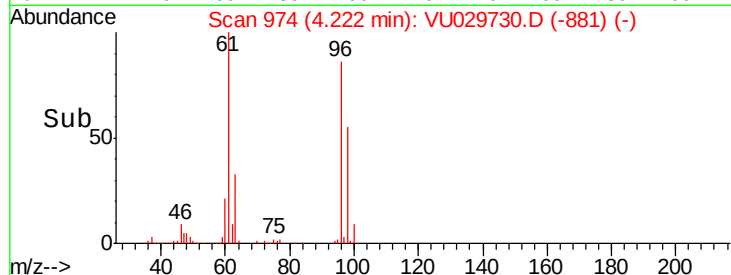
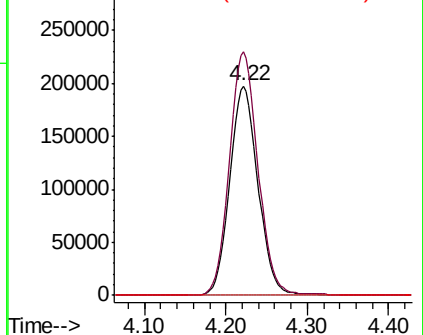
cis-1,2-Dichloroethene
Concen: 25.611 ug/L
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU029730.D
Acq: 28 Feb 2019 12:07

Instrument :
MSVOA_U
ClientSampleId :
CWJW1

Tgt Ion: 96 Resp: 479242
Ion Ratio Lower Upper
96 100
61 116.4 80.2 149.0
68 0.0 0.0 0.0



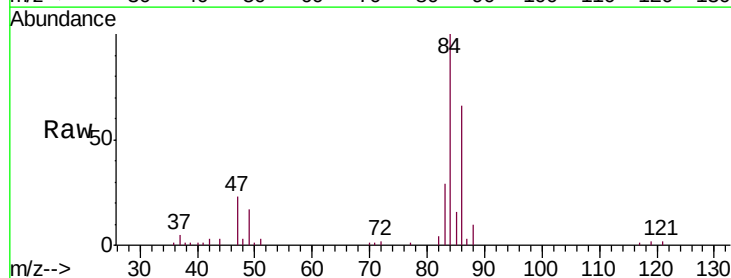
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



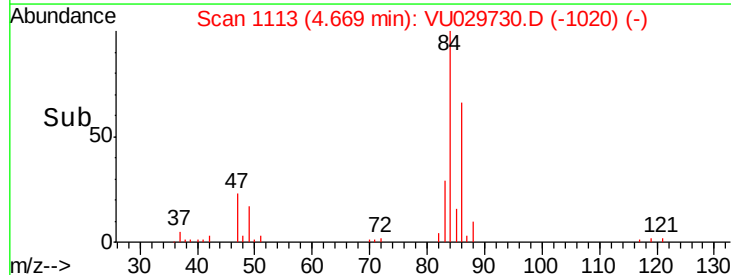
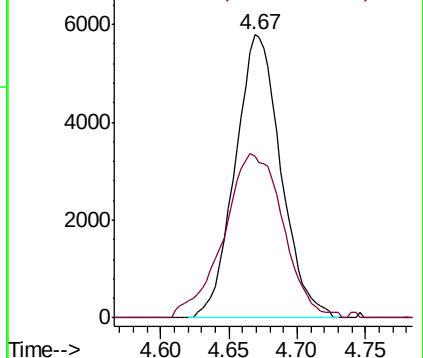
#25

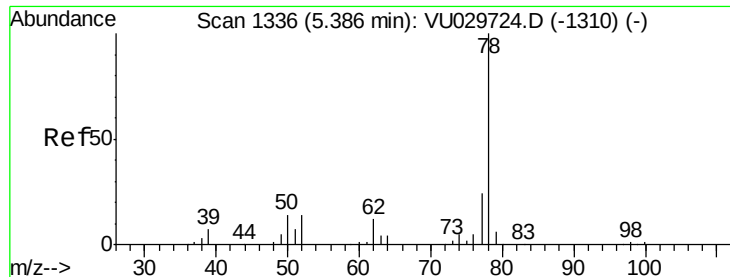
Chloroform
Concen: 0.423 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU029730.D
Acq: 28 Feb 2019 12:07

Tgt Ion: 83 Resp: 13477
Ion Ratio Lower Upper
83 100
85 57.0 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.086 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029730.D

Acq: 28 Feb 2019 12:07

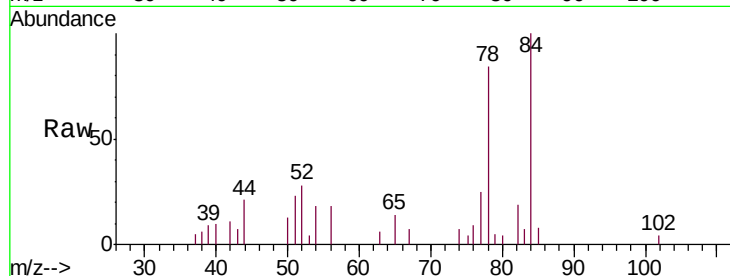
Instrument :

MSVOA_U

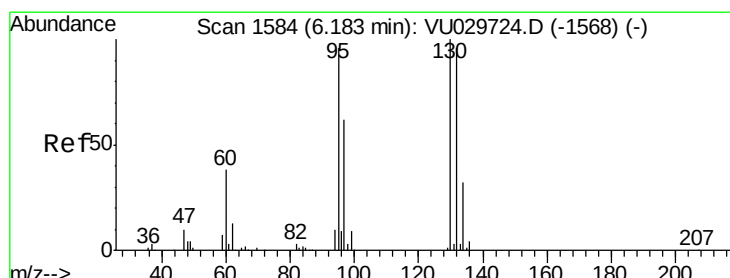
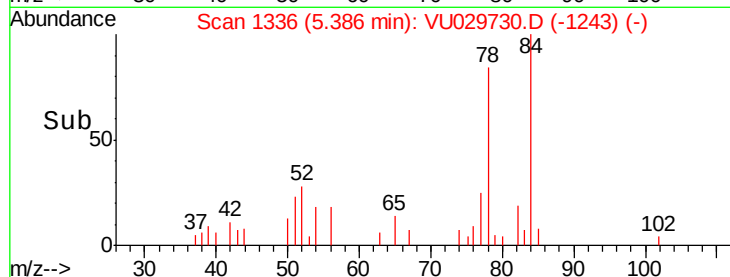
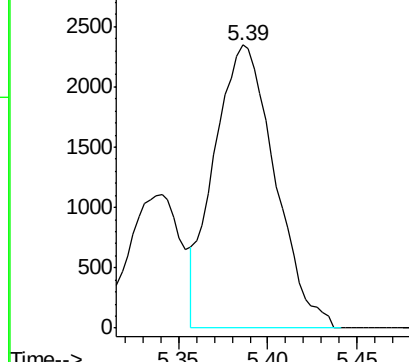
ClientSampleId :

CWJW1

Tgt Ion: 78 Resp: 5559



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 7.562 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029730.D

Acq: 28 Feb 2019 12:07

Tgt Ion: 95 Resp: 136410

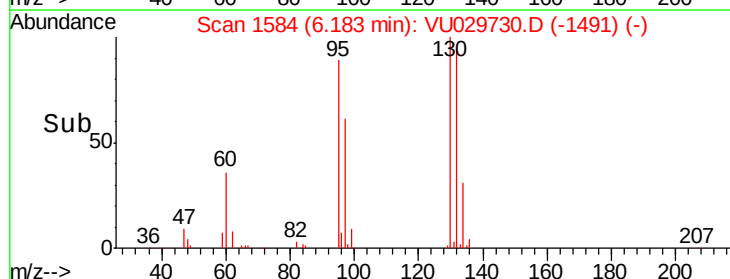
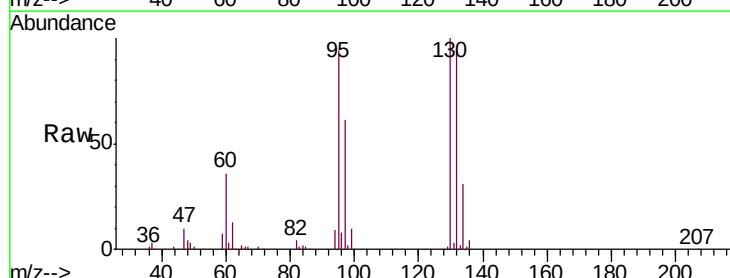
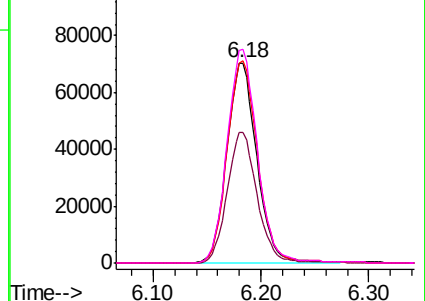
Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.6	84.8
132	100.9	72.9	135.3
130	106.8	77.5	143.9

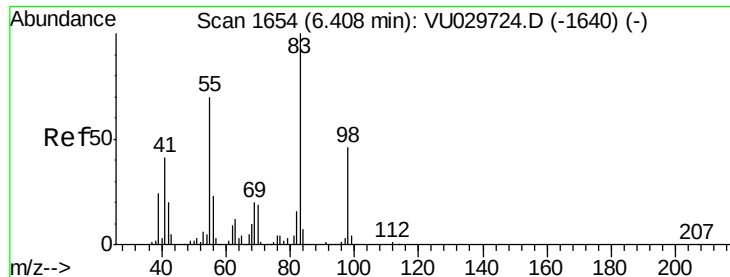
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

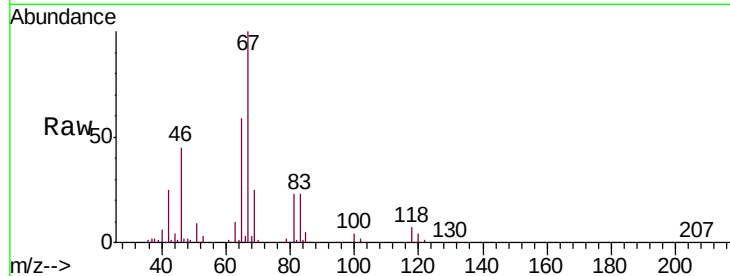




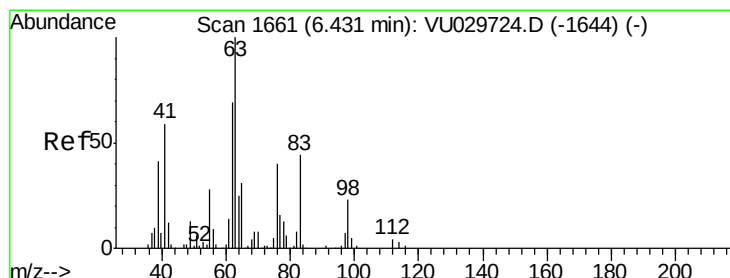
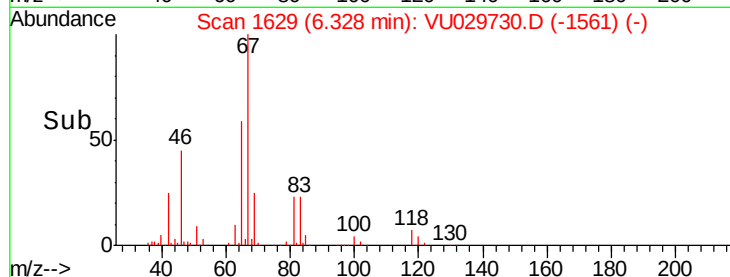
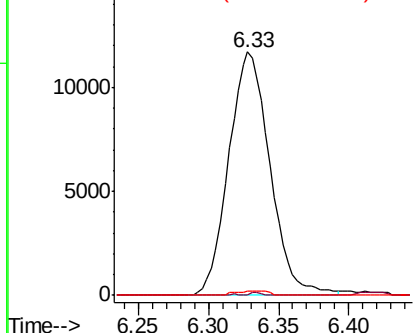
#35
Methylcyclohexane
Concen: 0.819 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029730.D
Acq: 28 Feb 2019 12:07

Instrument :
MSVOA_U
ClientSampleId :
CWJW1

Tgt Ion: 83 Resp: 23959
Ion Ratio Lower Upper
83 100
55 0.3 56.5 84.7#
98 1.4 39.4 59.2#

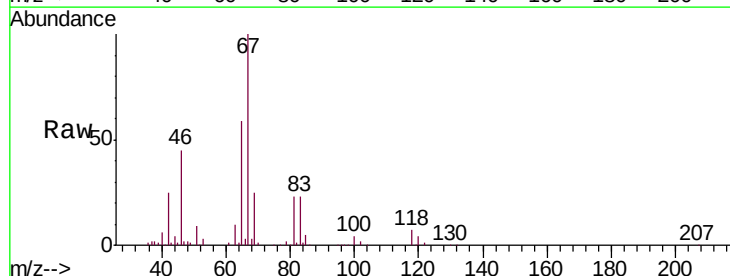


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

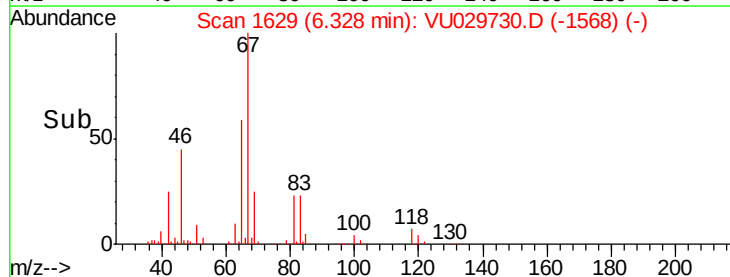
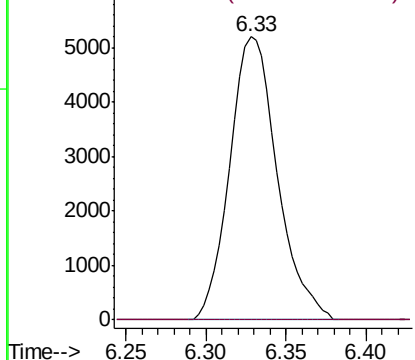


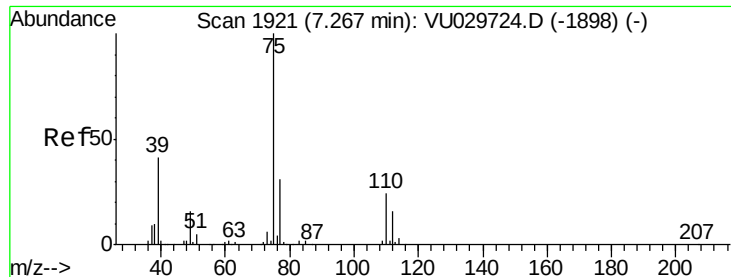
#37
1,2-Dichloropropane
Concen: 0.648 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029730.D
Acq: 28 Feb 2019 12:07

Tgt Ion: 63 Resp: 10547
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: 0.098 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029730.D

Acq: 28 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

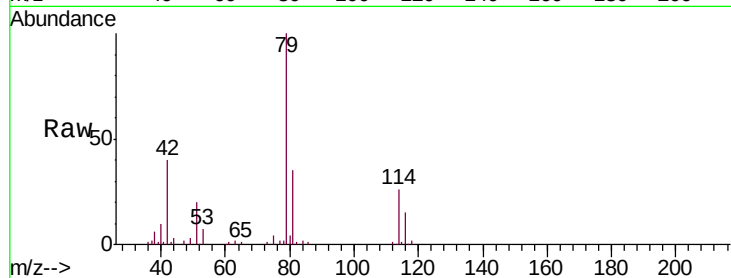
CWJW1

Tgt Ion: 75 Resp: 2332

Ion Ratio Lower Upper

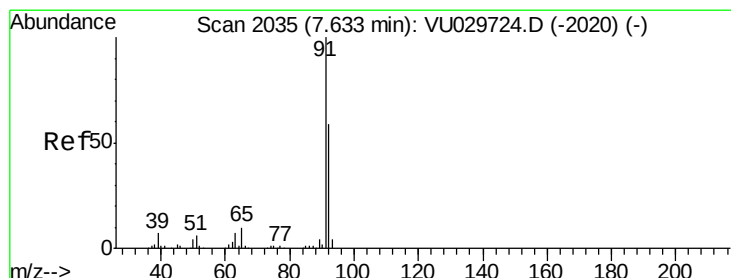
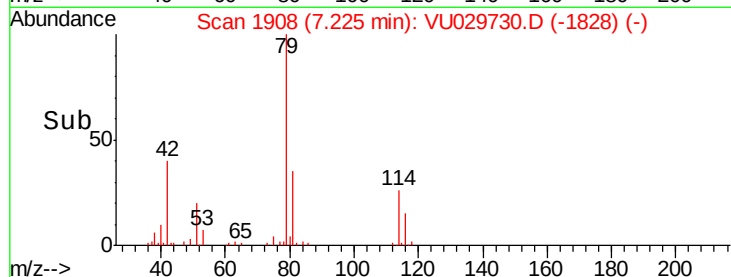
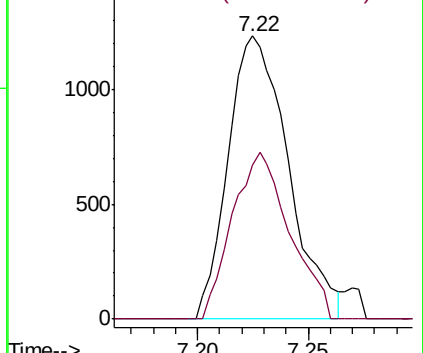
75 100

77 54.5 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#42

Toluene

Concen: 0.342 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029730.D

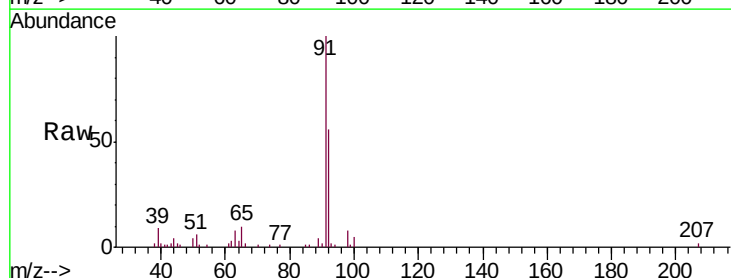
Acq: 28 Feb 2019 12:07

Tgt Ion: 91 Resp: 25096

Ion Ratio Lower Upper

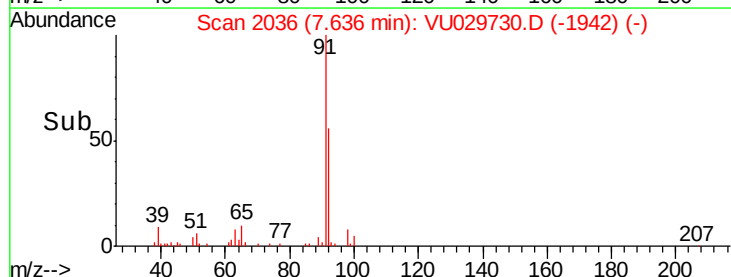
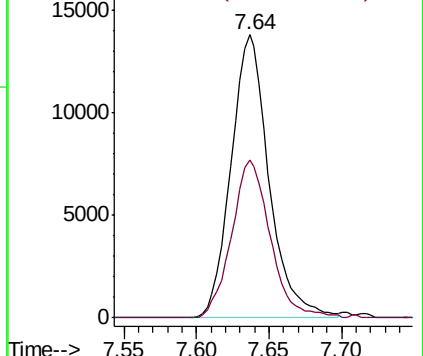
91 100

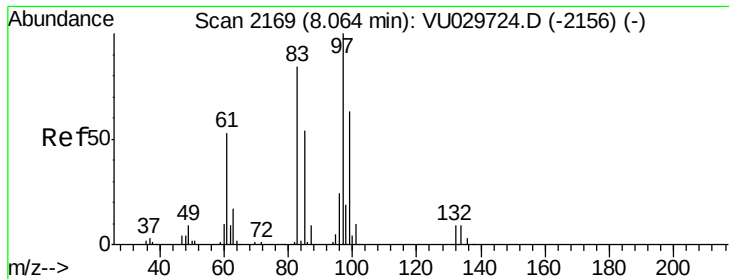
92 55.8 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

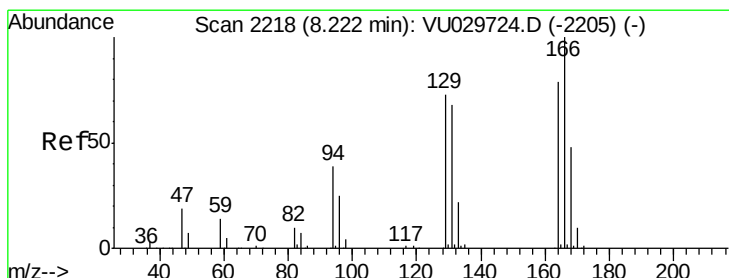
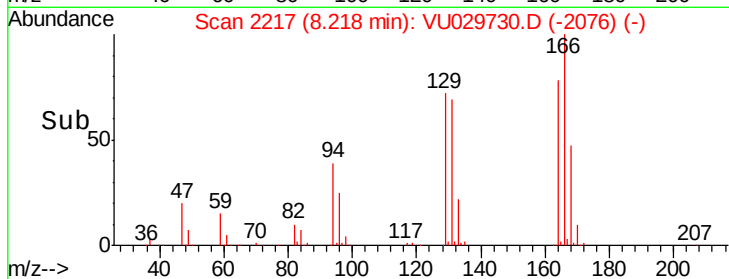
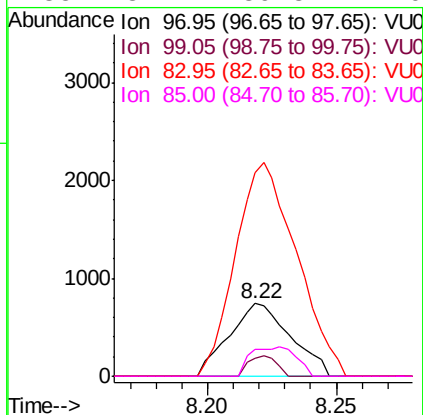
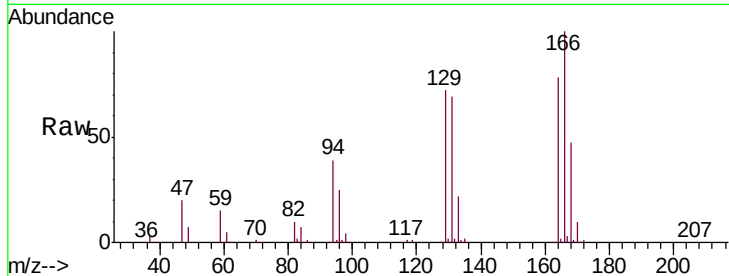




#45
 1,1,2-Trichloroethane
 Concen: 0.097 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. 0.15 min
 Lab File: VU029730.D
 Acq: 28 Feb 2019 12:07

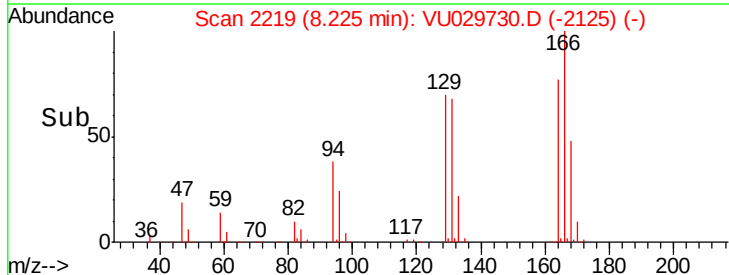
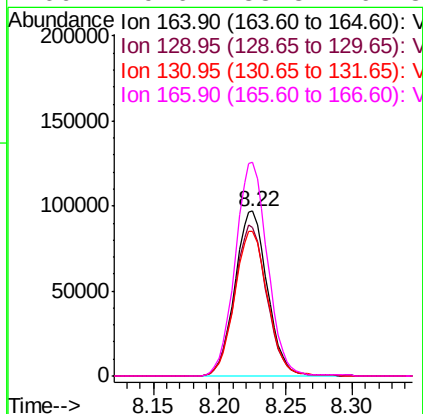
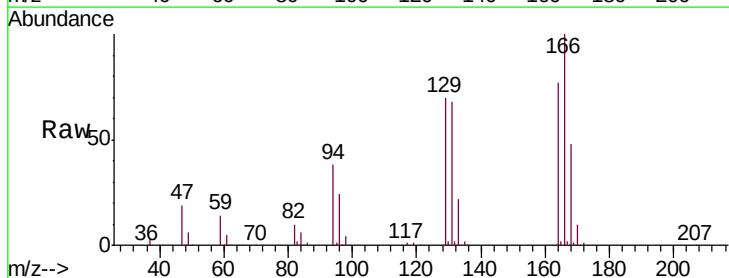
Instrument :
 MSVOA_U
 ClientSampleId :
 CWJW1

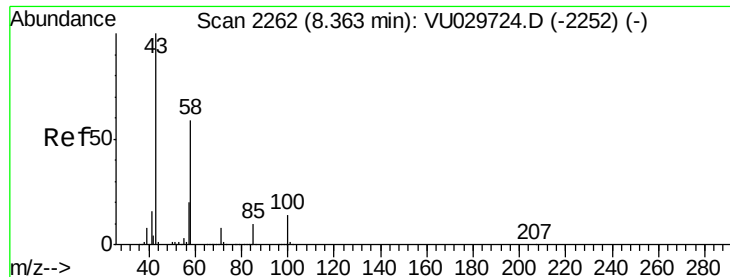
Tgt Ion:	97	Resp:	1237
Ion	Ratio	Lower	Upper
97	100		
99	25.3	45.3	84.1#
83	278.9	59.6	110.6#
85	37.2	39.8	74.0#



#47
 Tetrachloroethene
 Concen: 9.842 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029730.D
 Acq: 28 Feb 2019 12:07

Tgt Ion:	164	Resp:	164863
Ion	Ratio	Lower	Upper
164	100		
129	90.2	62.9	116.7
131	87.6	61.8	114.8
166	129.6	88.8	164.8

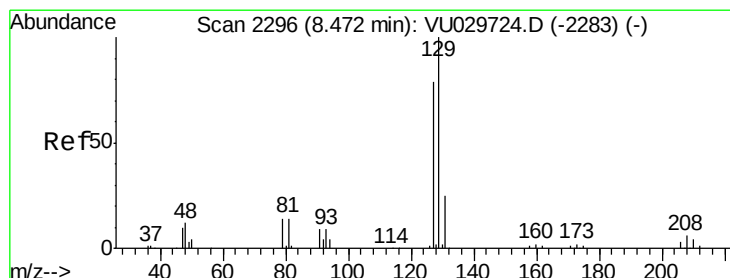
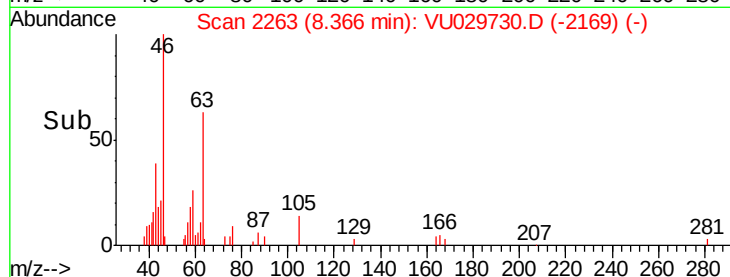
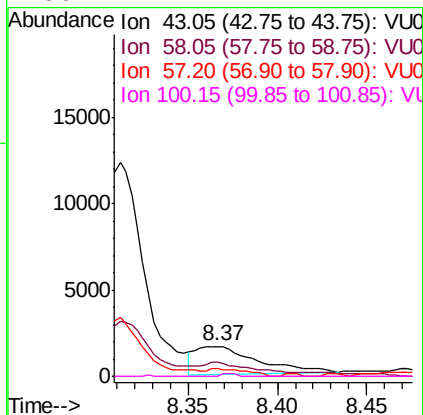
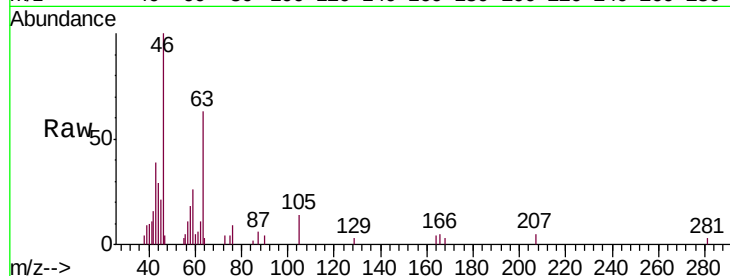




#48
2-Hexanone
Concen: 0.568 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029730.D
Acq: 28 Feb 2019 12:07

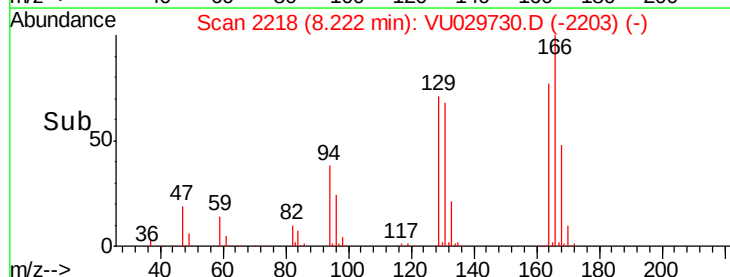
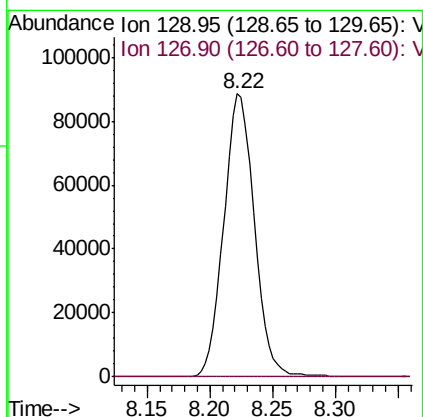
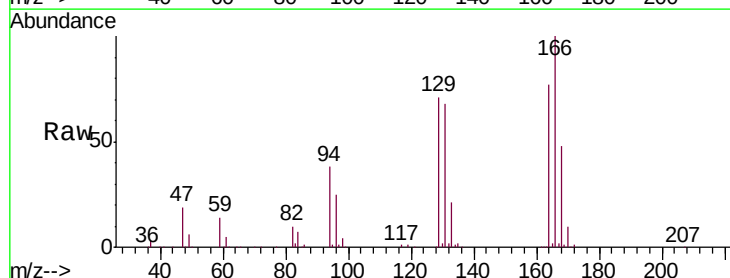
Instrument :
MSVOA_U
ClientSampleId :
CWJW1

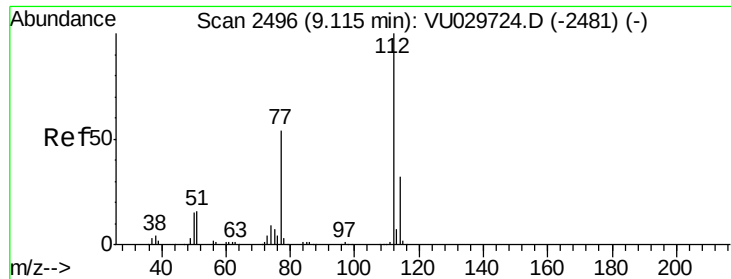
Tgt Ion: 43 Resp: 3801
Ion Ratio Lower Upper
43 100
58 26.2 46.6 69.8#
57 17.7 15.9 23.9
100 2.1 11.4 17.2#



#49
Dibromochloromethane
Concen: 9.726 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU029730.D
Acq: 28 Feb 2019 12:07

Tgt Ion: 129 Resp: 150182
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#





#51

Chlorobenzene

Concen: 0.854 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU029730.D

Acq: 28 Feb 2019 12:07

Instrument :

MSVOA_U

ClientSampleId :

CWJW1

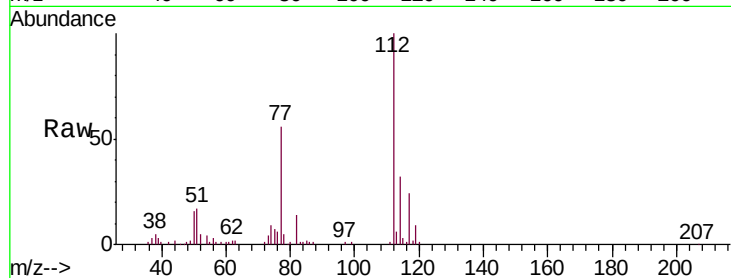
Tgt Ion: 112 Resp: 43009

Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.3

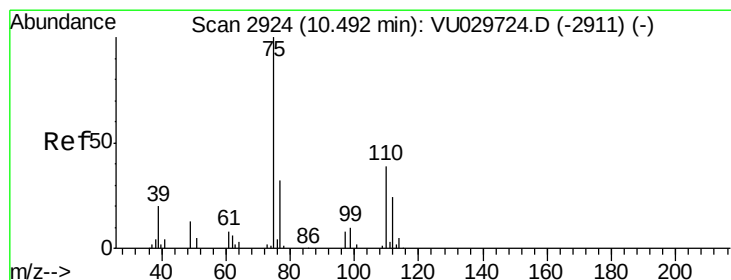
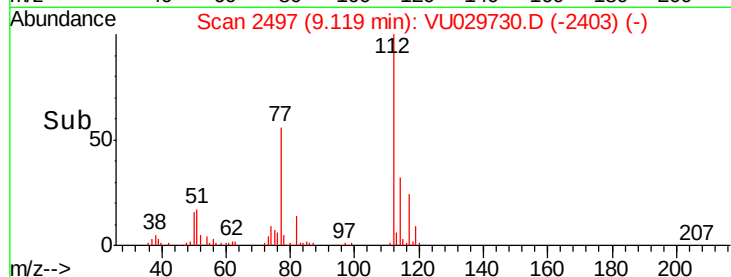
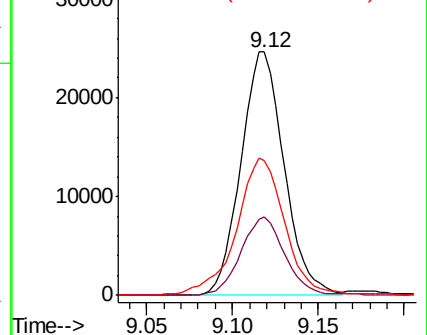
77 55.5 42.7 64.1



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): VU



#59

1,2,3-Trichloropropane

Concen: 1.412 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029730.D

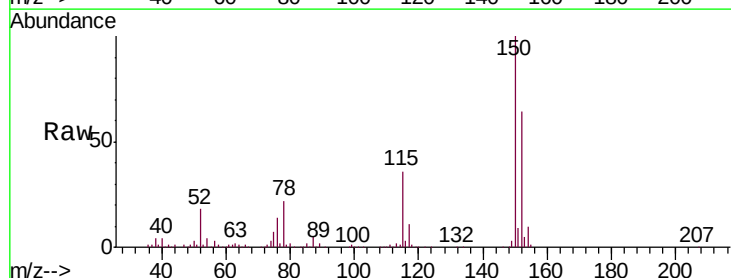
Acq: 28 Feb 2019 12:07

Tgt Ion: 75 Resp: 15349

Ion Ratio Lower Upper

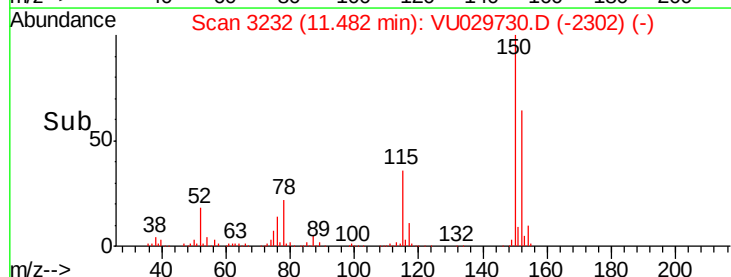
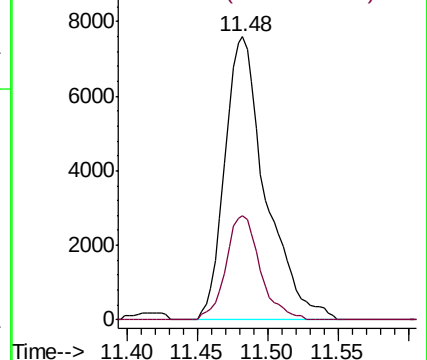
75 100

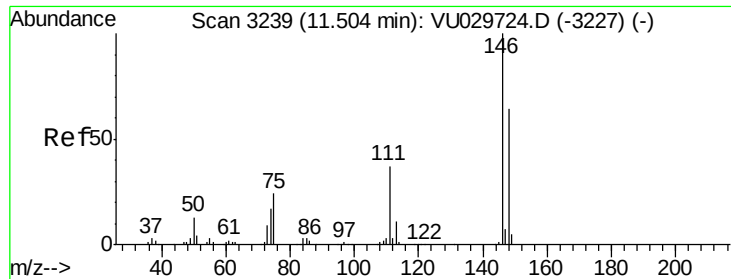
77 30.9 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

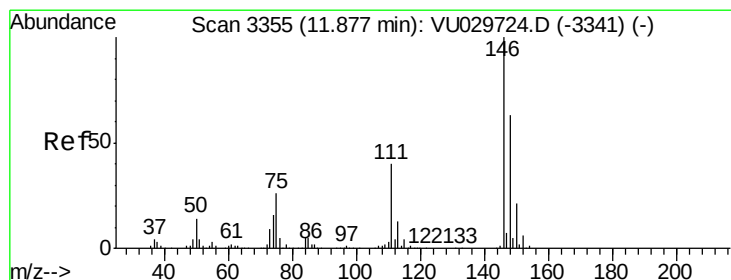
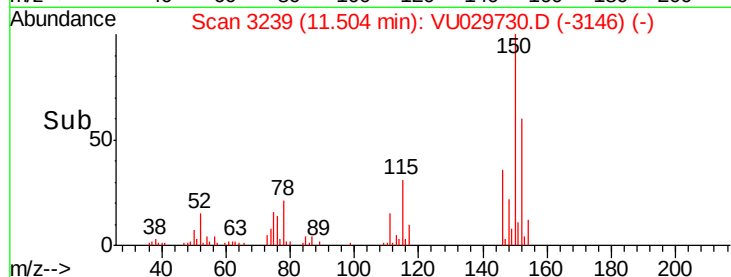
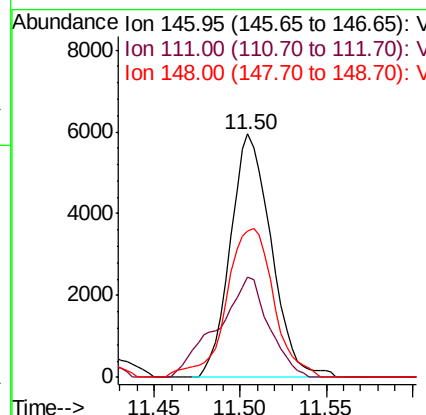
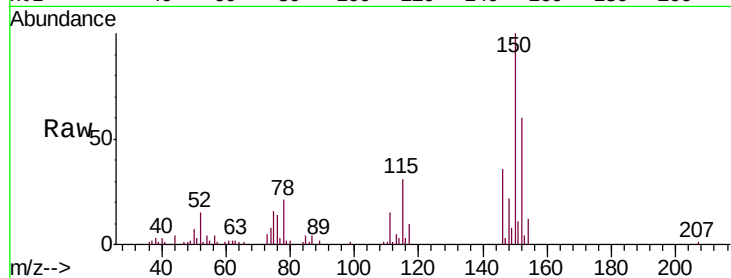




#63
 1,4-Dichlorobenzene
 Concen: 0.251 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029730.D
 Acq: 28 Feb 2019 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 CWJW1

Tgt Ion:146 Resp: 9831
 Ion Ratio Lower Upper
 146 100
 111 41.2 25.4 47.2
 148 60.3 43.7 81.1



#65
 1,2-Dichlorobenzene
 Concen: 0.098 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029730.D
 Acq: 28 Feb 2019 12:07

Tgt Ion:146 Resp: 3635
 Ion Ratio Lower Upper
 146 100
 111 44.2 32.2 48.2
 148 63.9 52.2 78.4

