

Data File : VU029731.D
Acq On : 28 Feb 2019 12:30
Operator : JC/SP
Sample : K1577-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWJW2

Quant Time: Mar 01 00:23:02 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	255427	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	245775	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	125729	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75769	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.68	69	71955	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.27	63	115800	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.19	46	220624	58.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.00%
24) Chloroform-d	4.65	84	152692	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.31	65	82261	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.34	84	327827	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.33	67	102534	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.56	98	300422	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.85	79	39060	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.31	63	214105	57.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84787	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	127769	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1932	0.112	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1360	0.068	ug/L #	17
12) 1,1-Dichloroethene	2.28	96	1356	0.072	ug/L #	1
13) Acetone	2.32	43	7902	2.916	ug/L	99
14) Carbon disulfide	2.48	76	5107	0.082	ug/L #	84
22) cis-1,2-Dichloroethene	4.22	96	42685	2.260	ug/L	96
25) Chloroform	4.67	83	4086	0.127	ug/L	93
34) Trichloroethene	6.19	95	6412	0.354	ug/L	89
35) Methylcyclohexane	6.33	83	24100	0.820	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	10984	0.671	ug/L #	86
42) Toluene	7.63	91	130655	1.774	ug/L	100
48) 2-Hexanone	8.37	43	3092	0.460	ug/L #	92
49) Dibromochloromethane	8.22	129	660	0.043	ug/L #	12
52) Ethylbenzene	9.25	91	3311	0.040	ug/L	93
53) m,p-xylene	9.37	106	2836	0.086	ug/L	99
55) Styrene	9.80	104	4674	0.088	ug/L	90
59) 1,2,3-Trichloropropane	11.48	75	13837	1.266	ug/L	95

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration

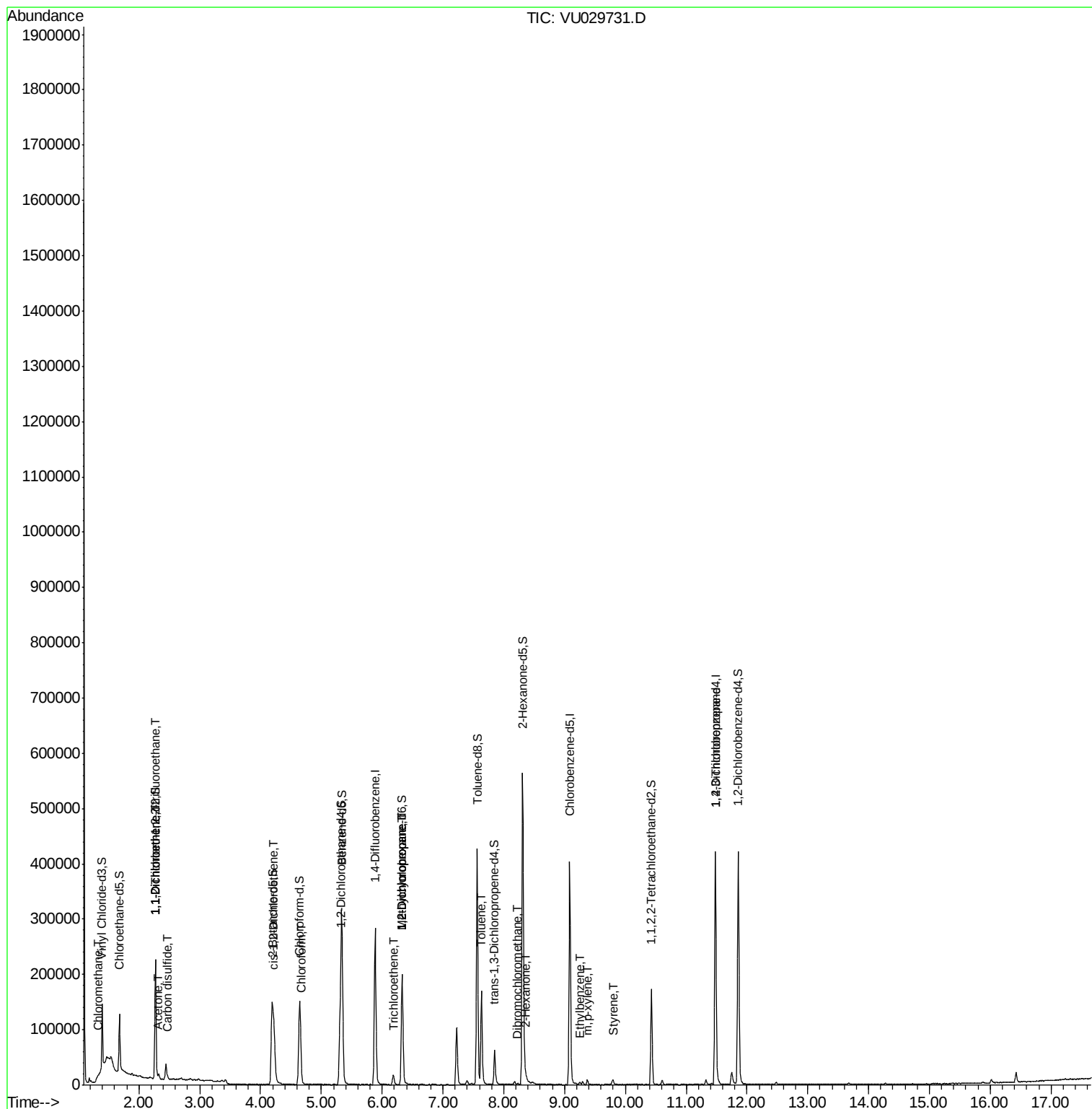
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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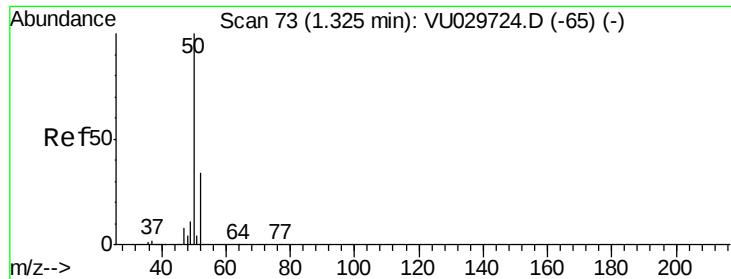
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.112 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029731.D

Acq: 28 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

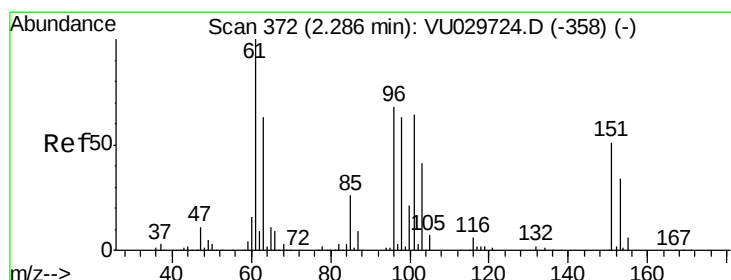
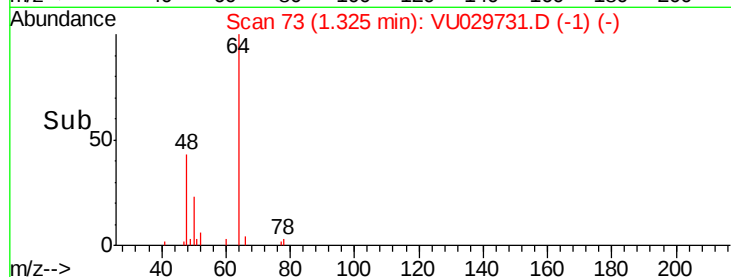
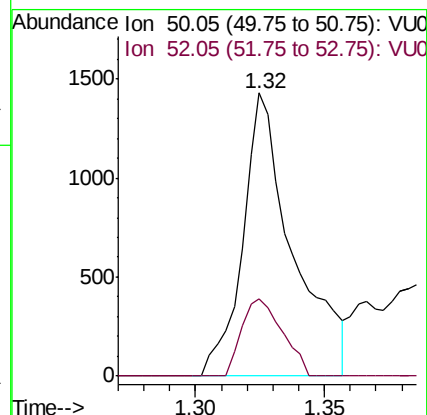
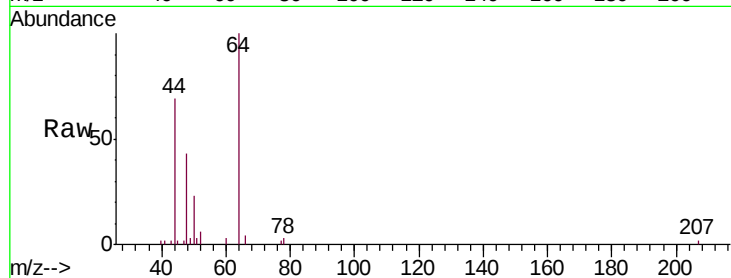
CWJW2

Tgt Ion: 50 Resp: 1932

Ion Ratio Lower Upper

50 100

52 27.4 23.5 43.7



#10

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

Concen: 0.068 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029731.D

Acq: 28 Feb 2019 12:30

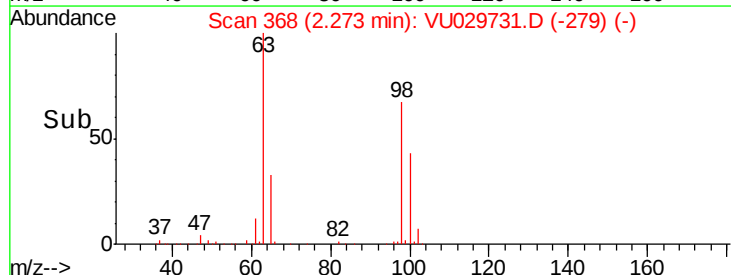
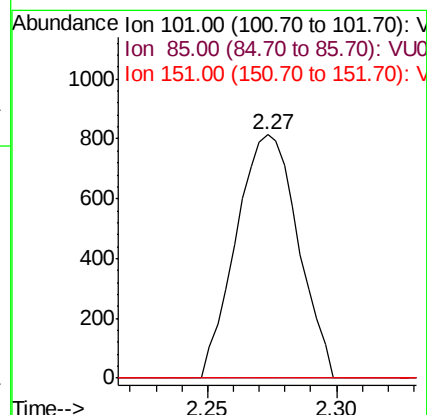
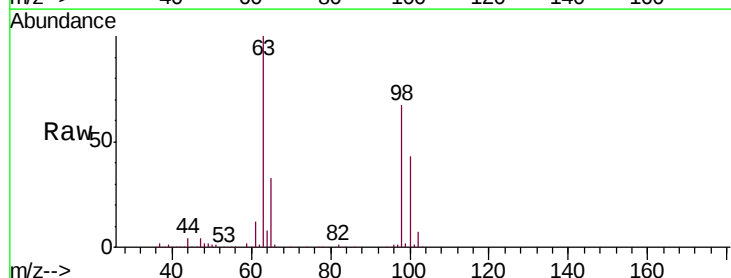
Tgt Ion: 101 Resp: 1360

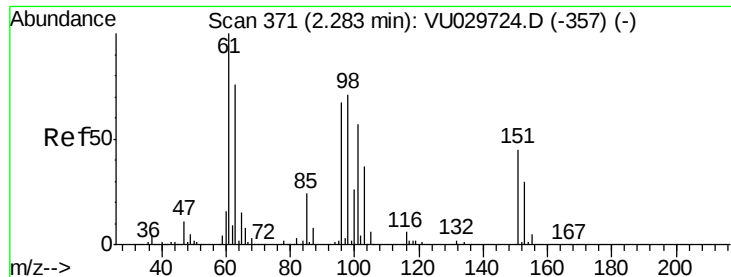
Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.9 98.9#

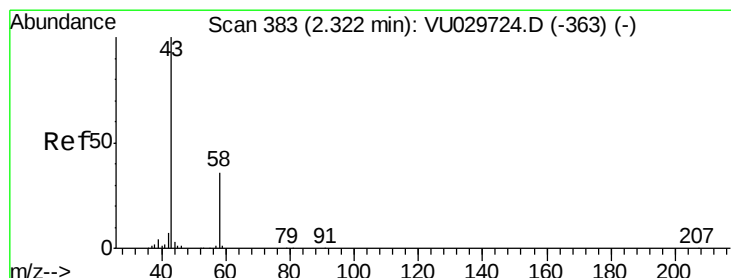
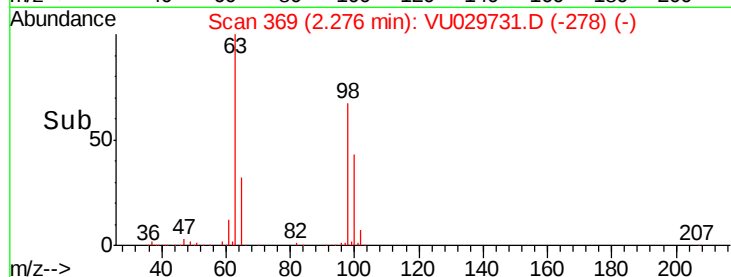
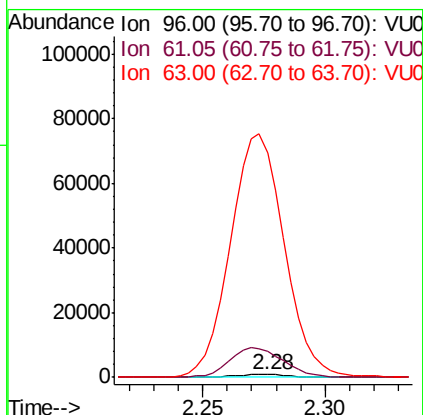
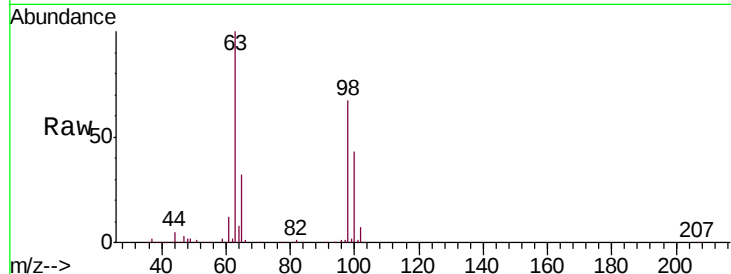




#12
 1,1-Dichloroethene
 Concen: 0.072 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VU029731.D
 Acq: 28 Feb 2019 12:30

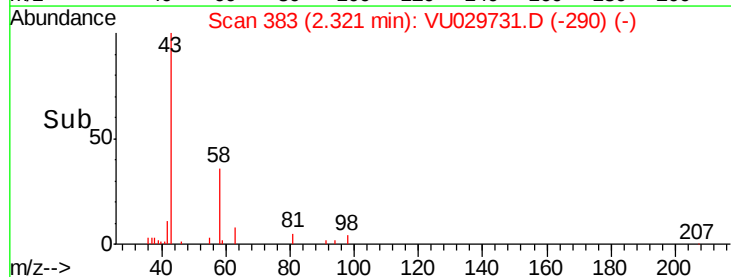
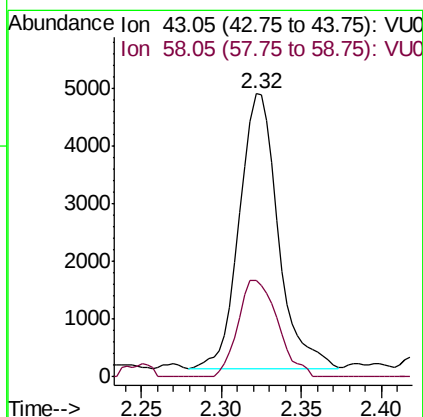
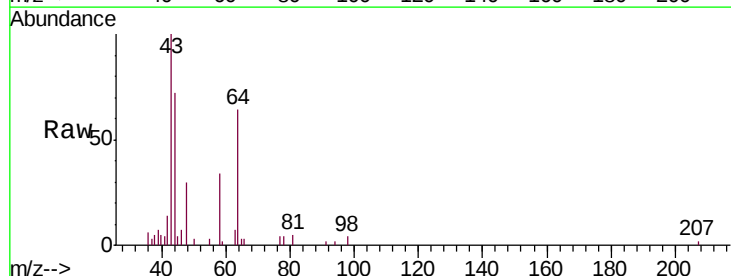
Instrument :
 MSVOA_U
 ClientSampleId :
 CWJW2

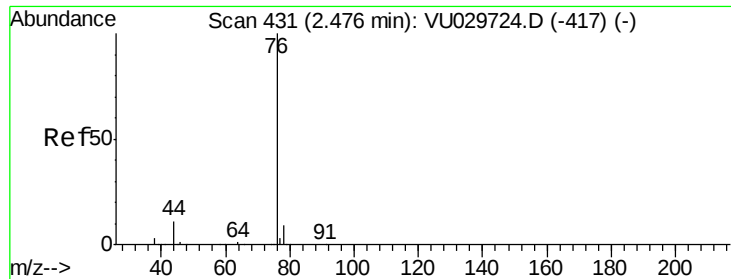
Tgt Ion: 96 Resp: 1356
 Ion Ratio Lower Upper
 96 100
 61 887.7 111.3 206.7#
 63 7692.4 88.5 164.3#



#13
 Acetone
 Concen: 2.916 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VU029731.D
 Acq: 28 Feb 2019 12:30

Tgt Ion: 43 Resp: 7902
 Ion Ratio Lower Upper
 43 100
 58 35.8 0.0 70.2





#14

Carbon disulfide

Concen: 0.082 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VU029731.D

Acq: 28 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampled :

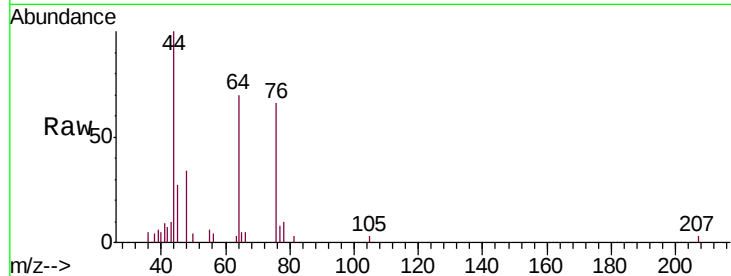
CWJW2

Tgt Ion: 76 Resp: 5107

Ion Ratio Lower Upper

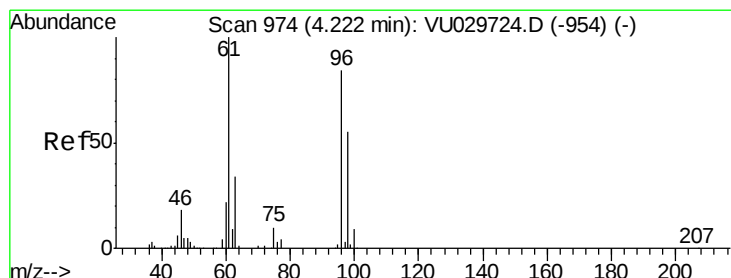
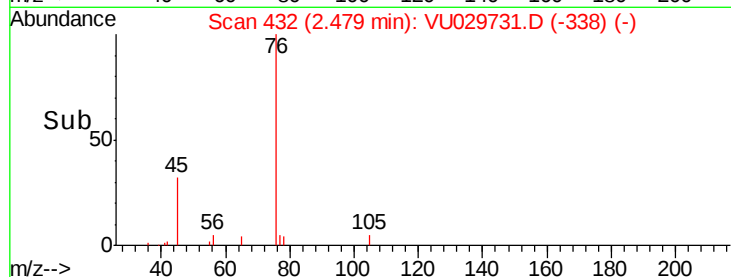
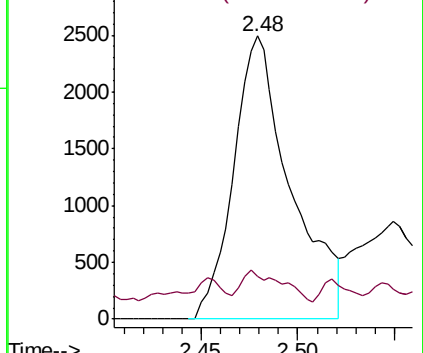
76 100

78 15.1 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 2.260 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029731.D

Acq: 28 Feb 2019 12:30

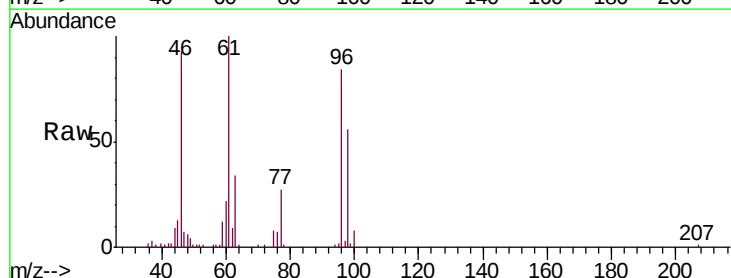
Tgt Ion: 96 Resp: 42685

Ion Ratio Lower Upper

96 100

61 118.6 80.2 149.0

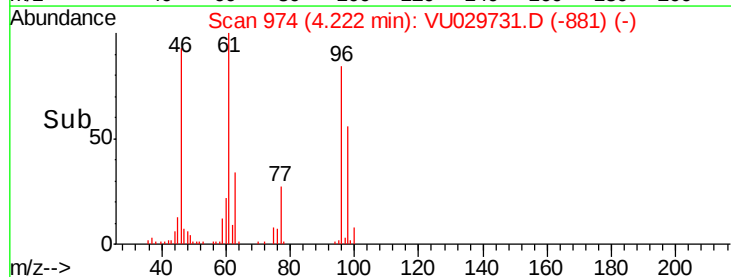
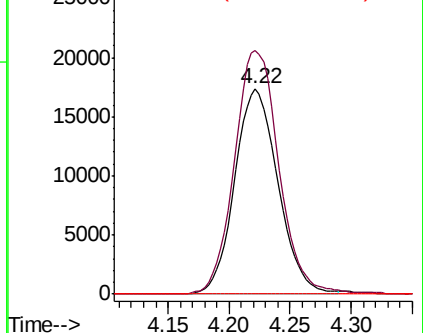
68 0.0 0.0 0.0

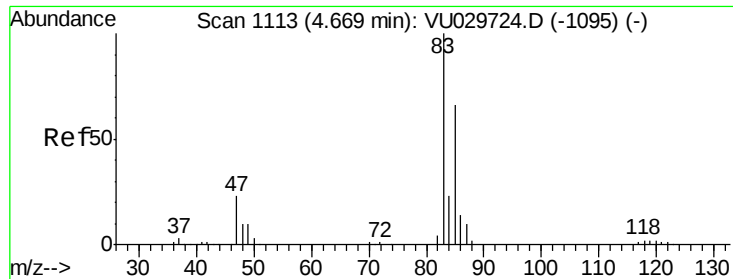


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

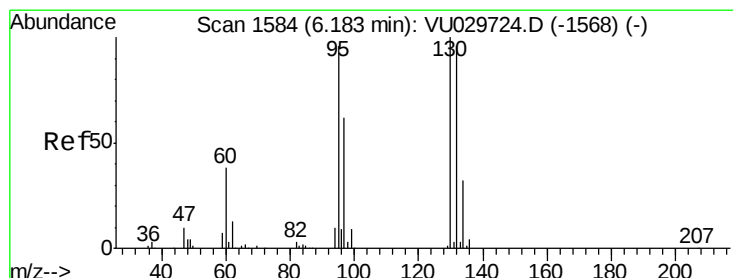
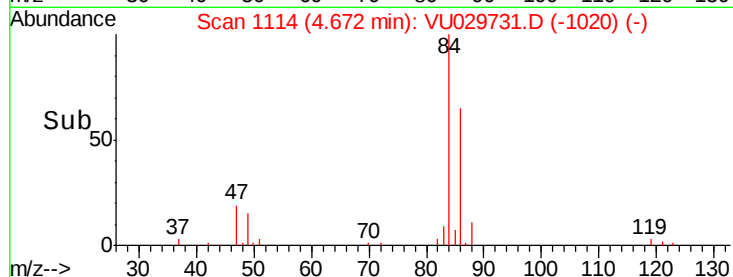
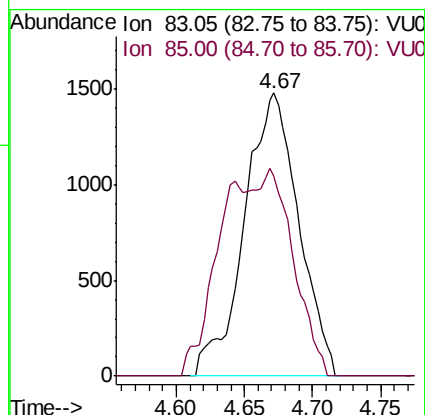
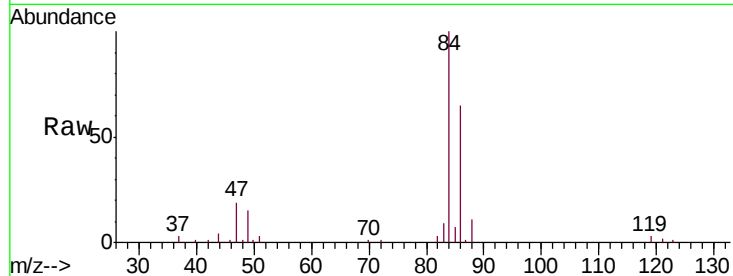




#25
Chloroform
Concen: 0.127 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029731.D
Acq: 28 Feb 2019 12:30

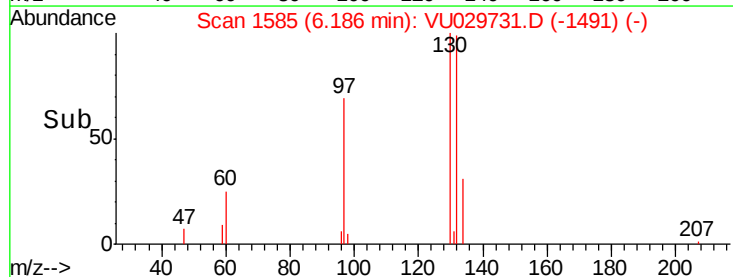
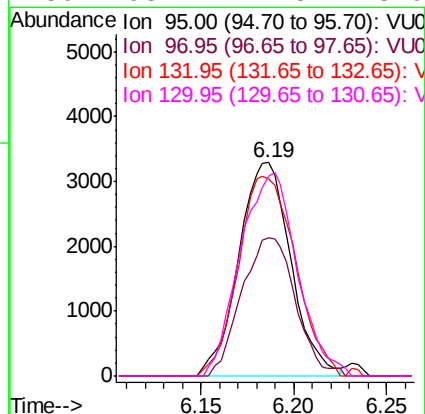
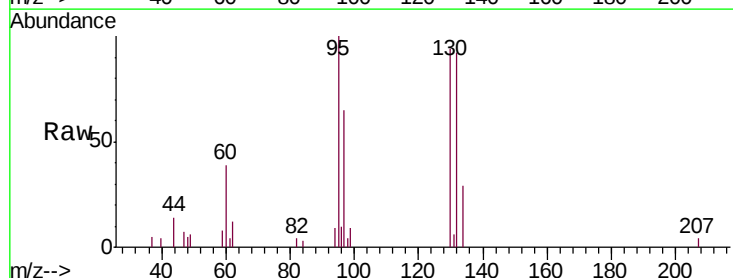
Instrument :
MSVOA_U
ClientSampleId :
CWJW2

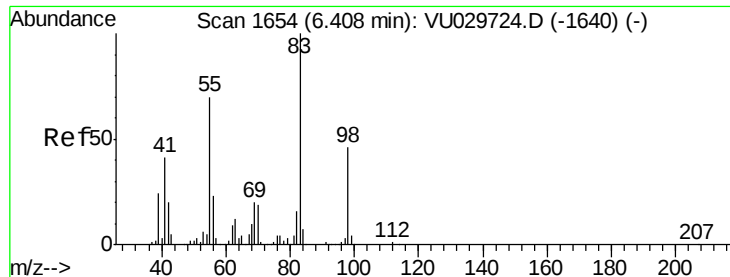
Tgt Ion: 83 Resp: 4086
Ion Ratio Lower Upper
83 100
85 70.5 45.6 84.6



#34
Trichloroethene
Concen: 0.354 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VU029731.D
Acq: 28 Feb 2019 12:30

Tgt Ion: 95 Resp: 6412
Ion Ratio Lower Upper
95 100
97 64.7 45.6 84.8
132 92.5 72.9 135.3
130 93.7 77.5 143.9

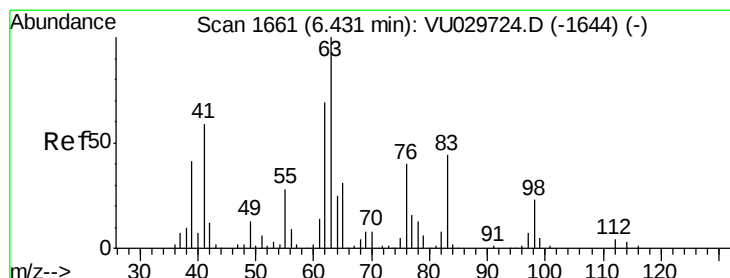
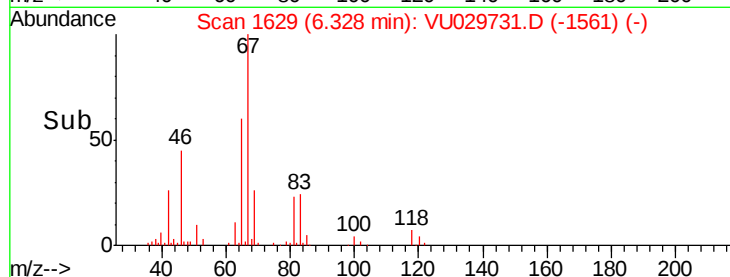
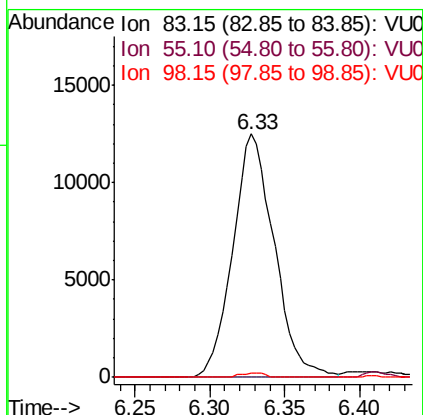
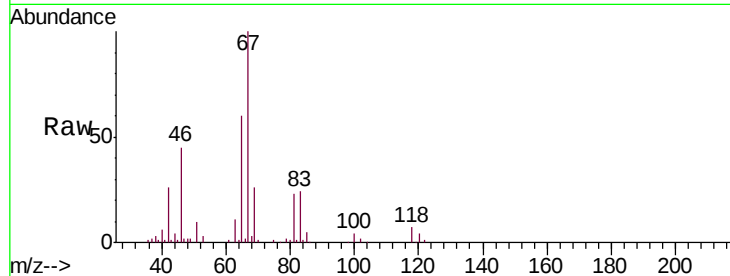




#35
Methylcyclohexane
Concen: 0.820 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029731.D
Acq: 28 Feb 2019 12:30

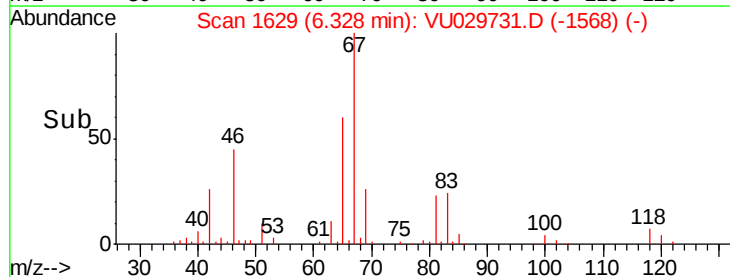
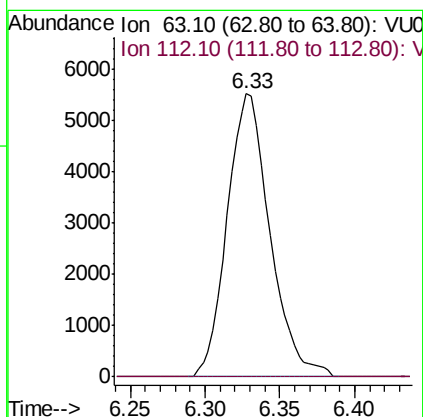
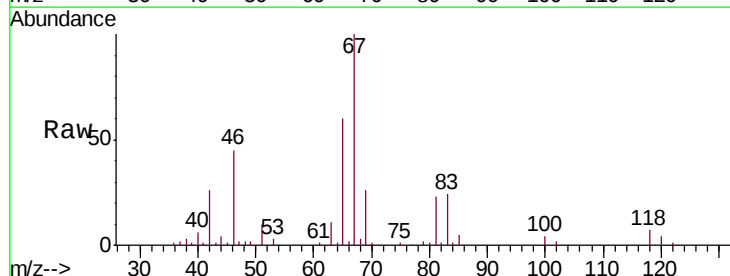
Instrument :
MSVOA_U
ClientSampleId :
CWJW2

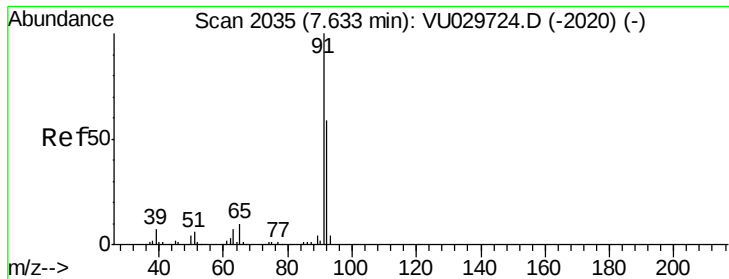
Tgt Ion: 83 Resp: 24100
Ion Ratio Lower Upper
83 100
55 0.0 56.5 84.7#
98 1.1 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.671 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029731.D
Acq: 28 Feb 2019 12:30

Tgt Ion: 63 Resp: 10984
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#42

Toluene

Concen: 1.774 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029731.D

Acq: 28 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

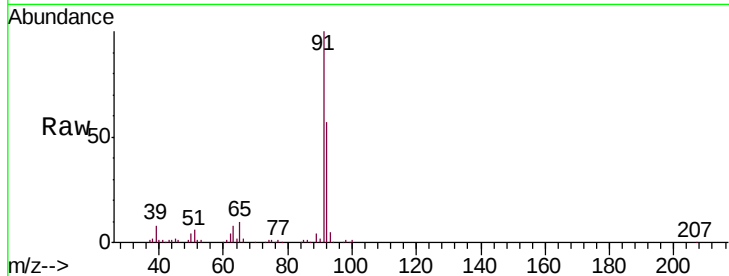
CWJW2

Tgt Ion: 91 Resp: 130655

Ion Ratio Lower Upper

91 100

92 57.4 40.1 74.5

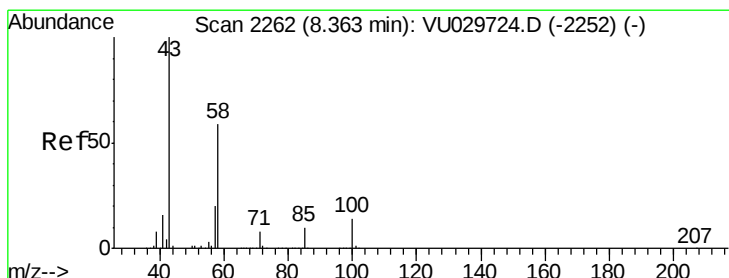
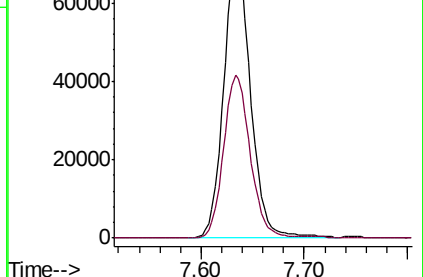
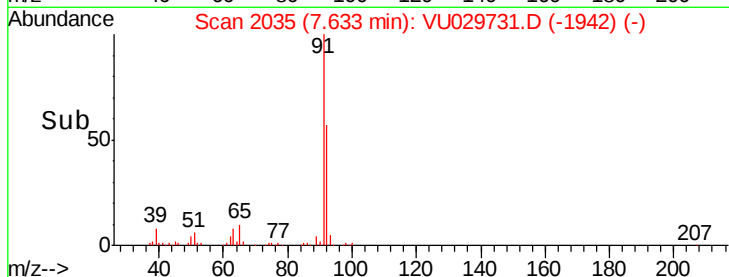


Abundance Ion 91.15 (90.85 to 91.85): VU029724.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU029724.D (-2020) (-)

7.63

Time-->



#48

2-Hexanone

Concen: 0.460 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU029731.D

Acq: 28 Feb 2019 12:30

Tgt Ion: 43 Resp: 3092

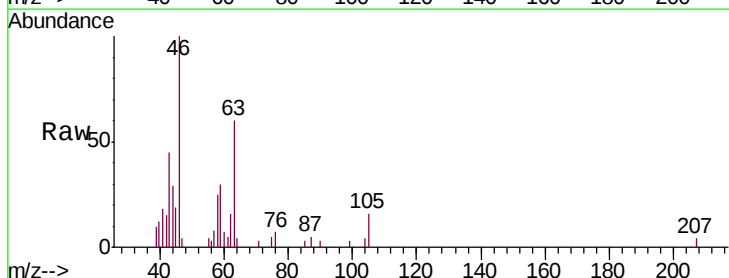
Ion Ratio Lower Upper

43 100

58 55.1 46.6 69.8

57 18.9 15.9 23.9

100 2.4 11.4 17.2#



Abundance Ion 43.05 (42.75 to 43.75): VU029724.D (-2252) (-)

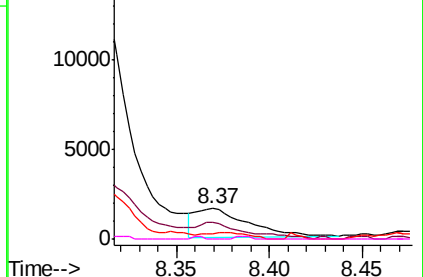
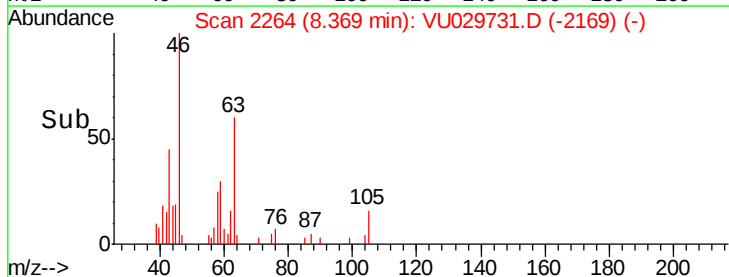
Ion 58.05 (57.75 to 58.75): VU029724.D (-2252) (-)

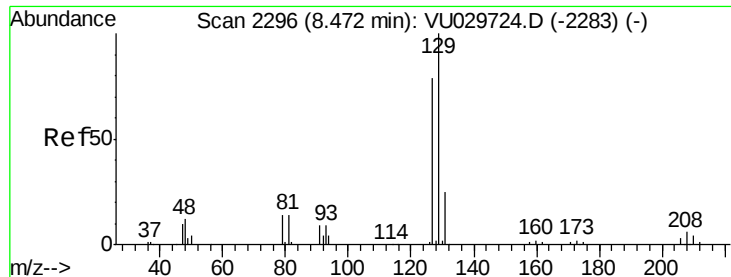
Ion 57.20 (56.90 to 57.90): VU029724.D (-2252) (-)

Ion 100.15 (99.85 to 100.85): VU029724.D (-2252) (-)

8.37

Time-->





#49

Dibromochloromethane

Concen: 0.043 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029731.D

Acq: 28 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

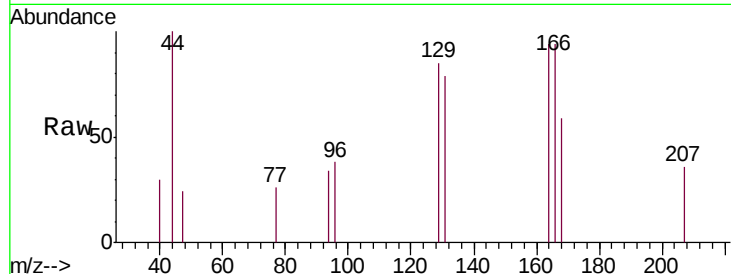
CWJW2

Tgt Ion:129 Resp: 660

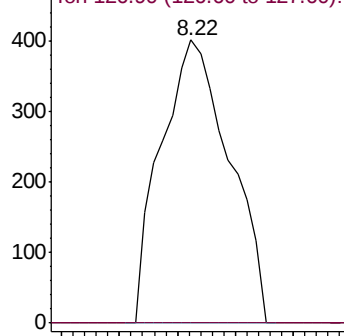
Ion Ratio Lower Upper

129 100

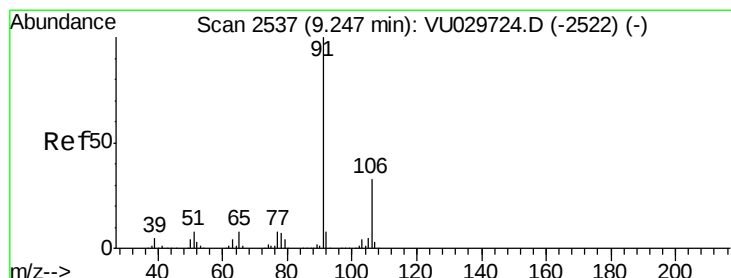
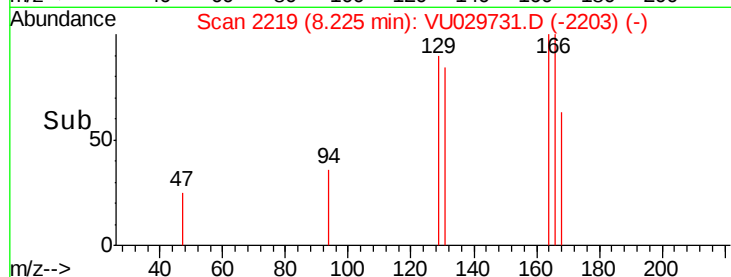
127 0.0 52.5 97.5#



Abundance Ion 128.95 (128.65 to 129.65): V



Time--> 8.18 8.20 8.22 8.24 8.26



#52

Ethylbenzene

Concen: 0.040 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029731.D

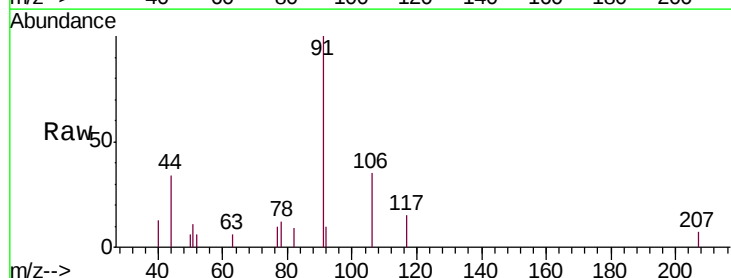
Acq: 28 Feb 2019 12:30

Tgt Ion: 91 Resp: 3311

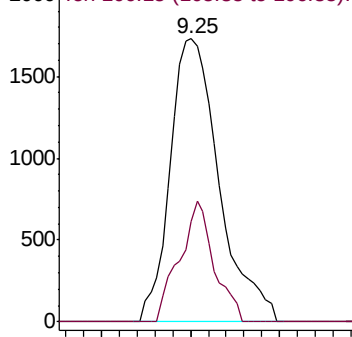
Ion Ratio Lower Upper

91 100

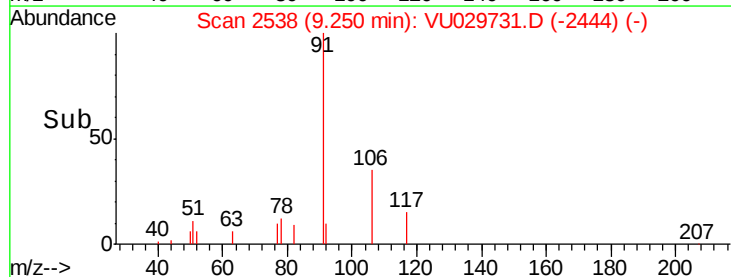
106 35.5 22.1 41.1

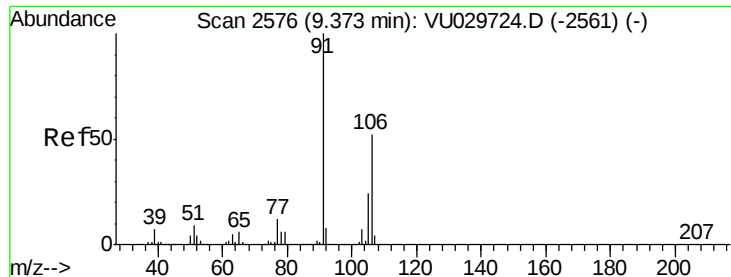


Abundance Ion 91.15 (90.85 to 91.85): VU0



Time--> 9.20 9.25 9.30





#53

m,p-xylene

Concen: 0.086 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029731.D

Acq: 28 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

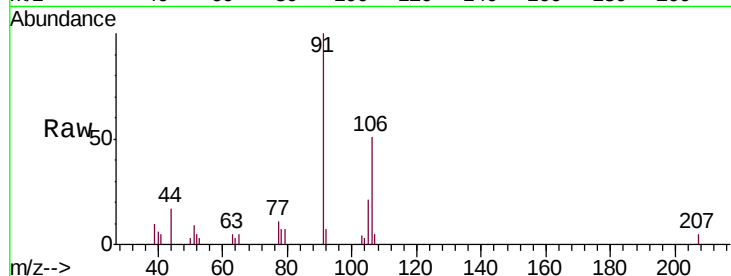
CWJW2

Tgt Ion:106 Resp: 2836

Ion Ratio Lower Upper

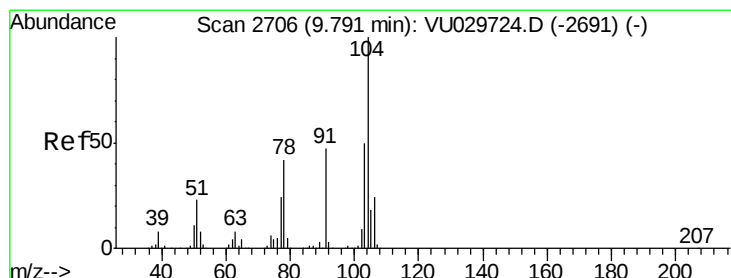
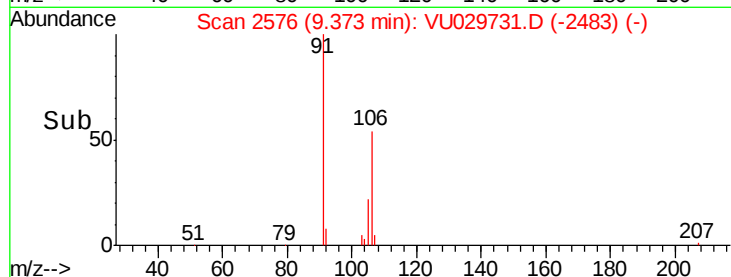
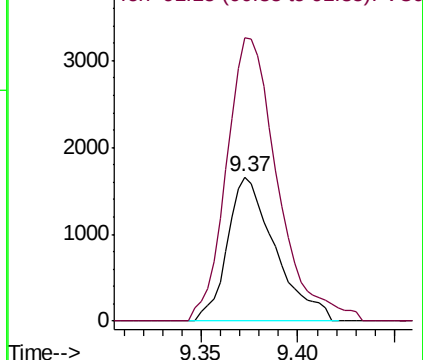
106 100

91 196.4 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.088 ug/L

RT: 9.80 min Scan# 2708

Delta R.T. 0.01 min

Lab File: VU029731.D

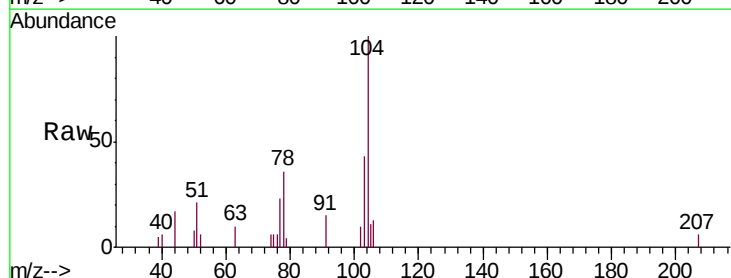
Acq: 28 Feb 2019 12:30

Tgt Ion:104 Resp: 4674

Ion Ratio Lower Upper

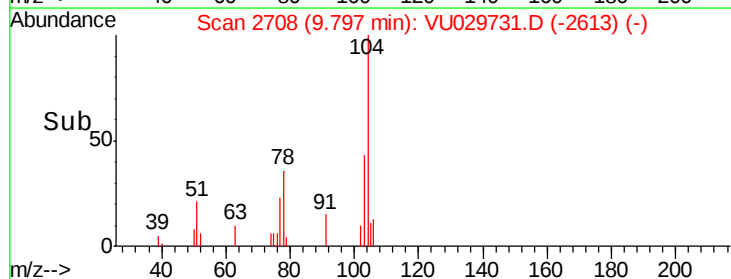
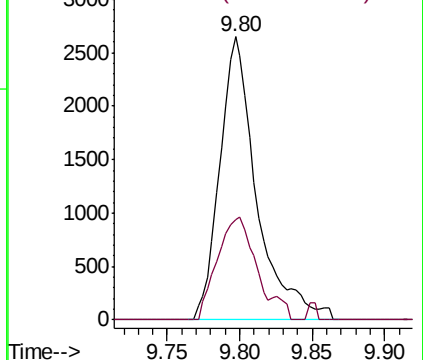
104 100

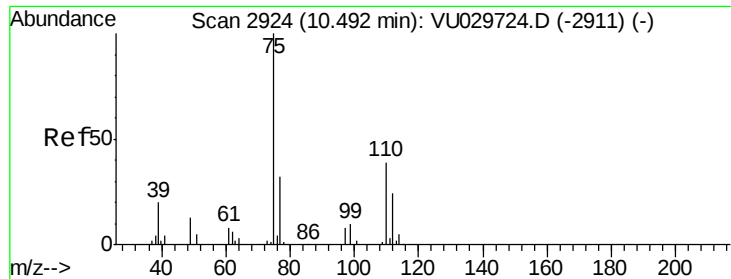
78 35.7 29.2 54.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#59

1,2,3-Trichloropropane

Concen: 1.266 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029731.D

Acq: 28 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

CWJW2

Tgt Ion: 75 Resp: 13837

Ion Ratio Lower Upper

75 100

77 34.5 25.6 38.4

