

Data File : VU029743.D
Acq On : 28 Feb 2019 17:15
Operator : JC/SP
Sample : K1577-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWJZ2

Quant Time: Mar 01 00:25:24 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	247461	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	238891	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	118565	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71058	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.68	69	69612	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.27	63	110071	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.19	46	227767	62.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.66%
24) Chloroform-d	4.65	84	151103	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.31	65	80655	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.34	84	316872	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.33	67	97966	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.56	98	282932	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.85	79	35643	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.31	63	218134	60.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87798	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	124986	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	1464	0.069 ug/L #	1
8) Chloroethane	1.54	64	114210	8.353 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	1027	0.053 ug/L #	17
12) 1,1-Dichloroethene	2.28	96	2780	0.151 ug/L #	1
13) Acetone	2.32	43	9170	3.493 ug/L	97
19) 1,1-Dichloroethane	3.45	63	1322	0.043 ug/L #	80
22) cis-1,2-Dichloroethene	4.22	96	182430	9.971 ug/L	96
25) Chloroform	4.67	83	4741	0.152 ug/L	77
34) Trichloroethene	6.19	95	3127	0.177 ug/L	98
35) Methylcyclohexane	6.33	83	23596	0.826 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	10284	0.647 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2110	0.091 ug/L #	43
42) Toluene	7.64	91	98468	1.375 ug/L	97
48) 2-Hexanone	8.36	43	3535	0.541 ug/L #	36
53) m,p-xylene	9.38	106	1724	0.054 ug/L	88
55) Styrene	9.80	104	1885	0.036 ug/L	87
59) 1,2,3-Trichloropropane	11.48	75	12694	1.195 ug/L	92

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

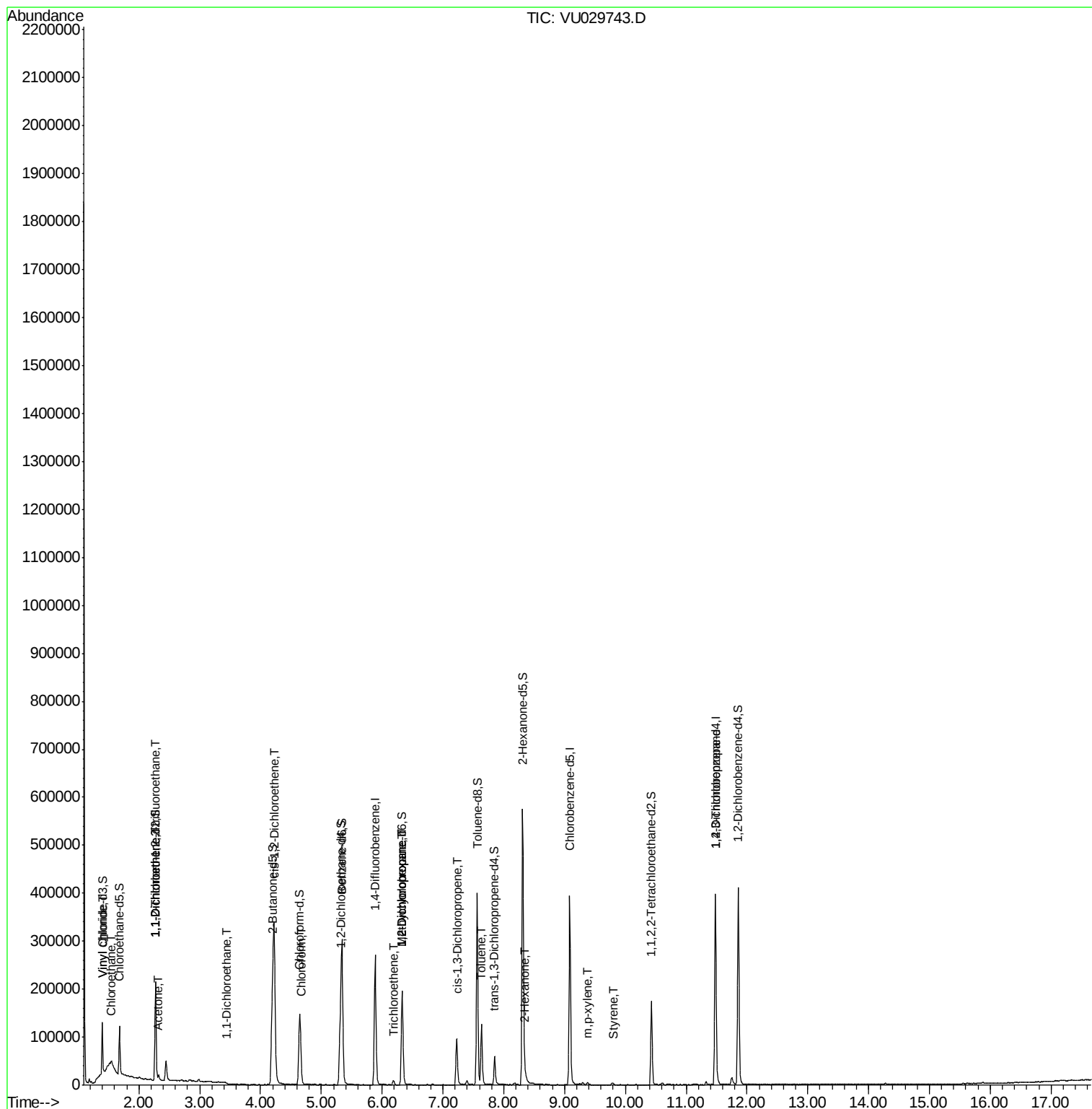
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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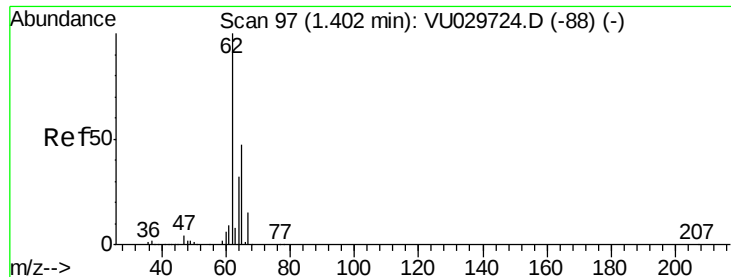
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.069 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029743.D

Acq: 28 Feb 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

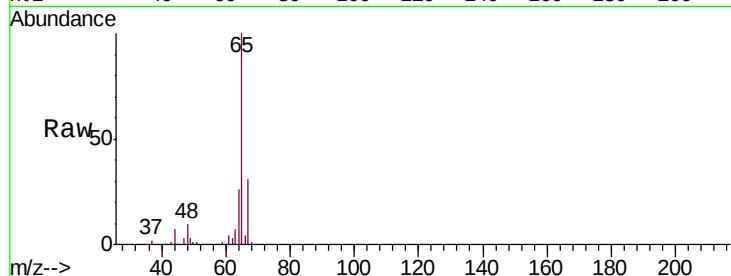
CWJZ2

Tgt Ion: 62 Resp: 1464

Ion Ratio Lower Upper

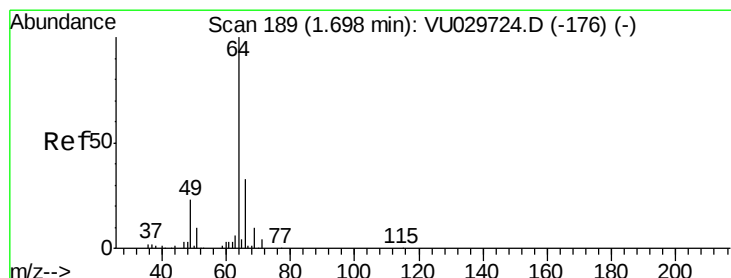
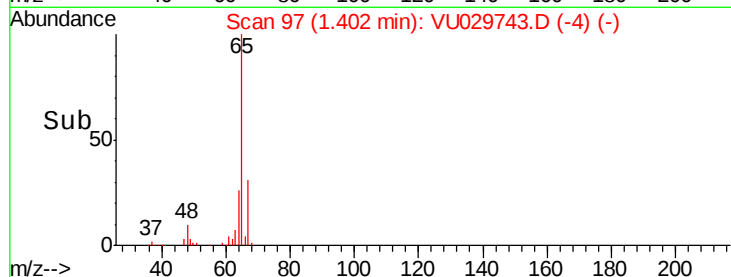
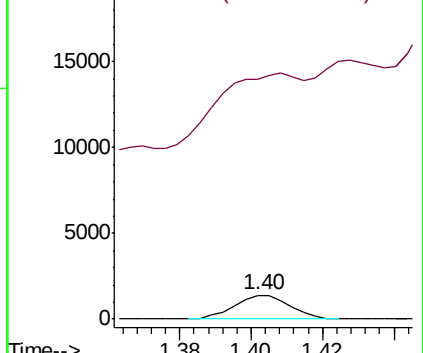
62 100

64 1006.9 24.8 46.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 8.353 ug/L

RT: 1.54 min Scan# 141

Delta R.T. -0.15 min

Lab File: VU029743.D

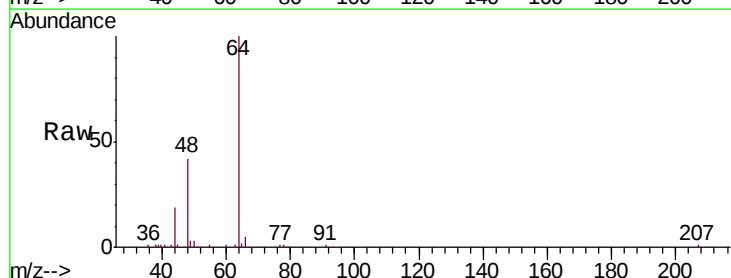
Acq: 28 Feb 2019 17:15

Tgt Ion: 64 Resp: 114210

Ion Ratio Lower Upper

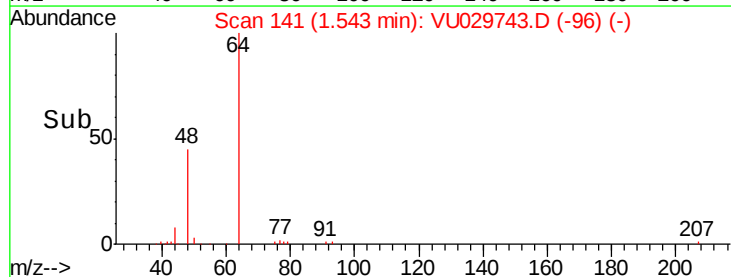
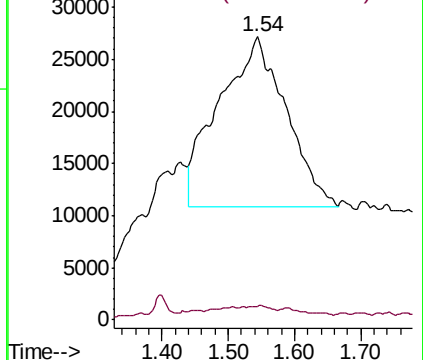
64 100

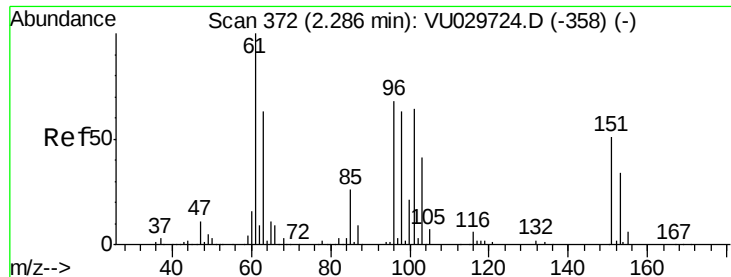
66 4.8 21.4 39.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.053 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029743.D

Acq: 28 Feb 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

CWJZ2

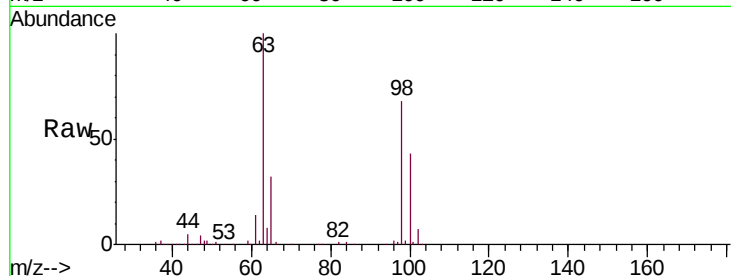
Tgt Ion: 101 Resp: 1027

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

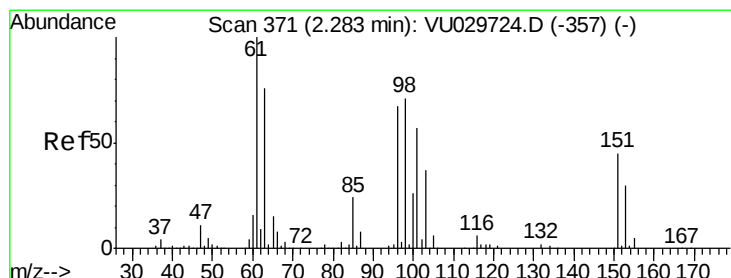
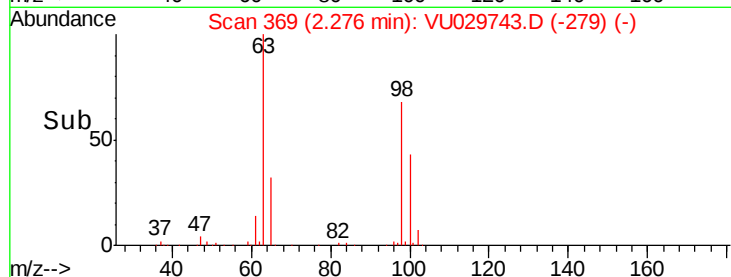
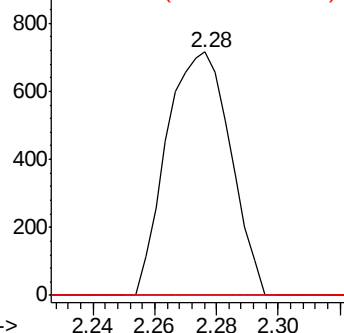
151 0.0 65.9 98.9#



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: 0.151 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029743.D

Acq: 28 Feb 2019 17:15

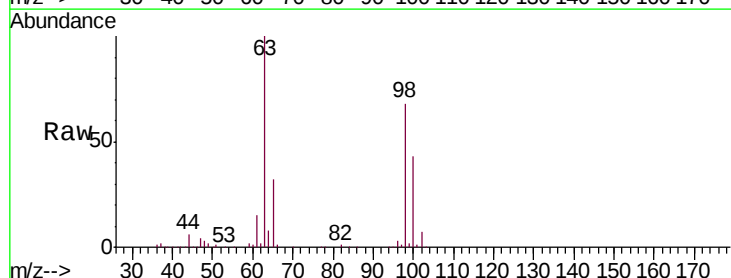
Tgt Ion: 96 Resp: 2780

Ion Ratio Lower Upper

96 100

61 545.9 111.3 206.7#

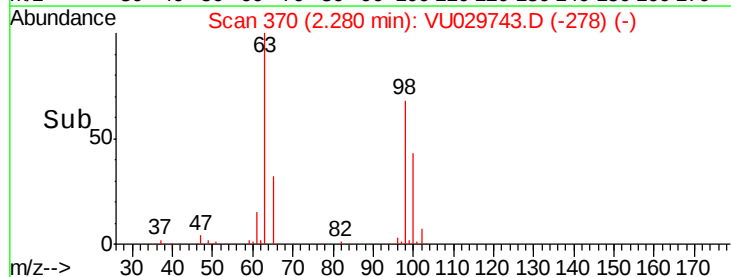
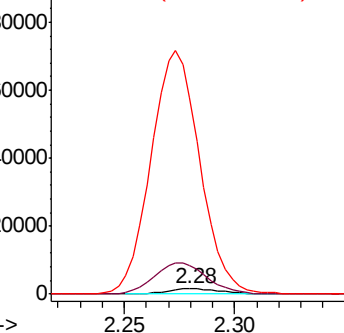
63 3690.2 88.5 164.3#

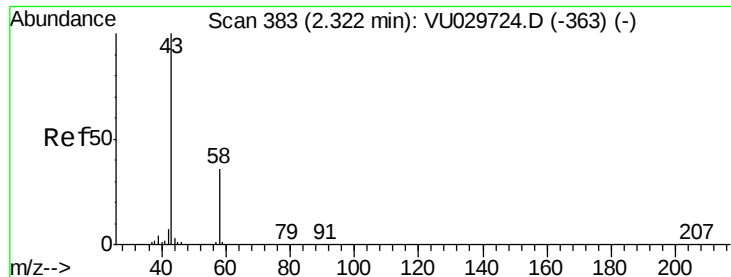


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.493 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029743.D

Acq: 28 Feb 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

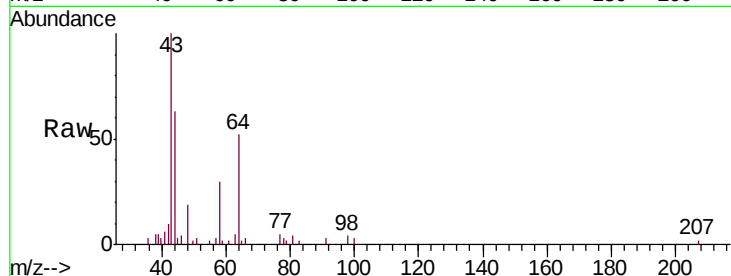
CWJZ2

Tgt Ion: 43 Resp: 9170

Ion Ratio Lower Upper

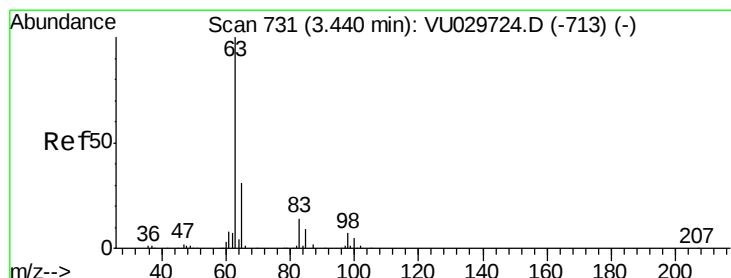
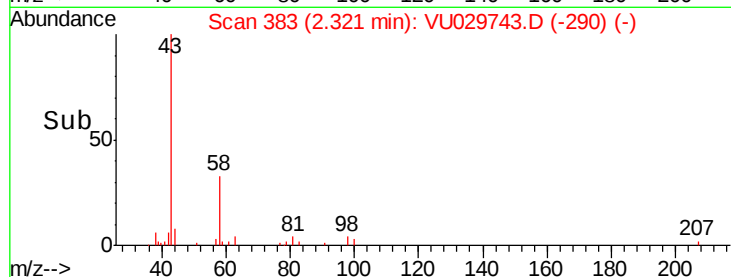
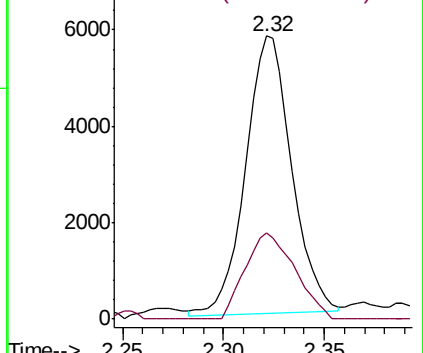
43 100

58 33.6 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#19

1,1-Dichloroethane

Concen: 0.043 ug/L

RT: 3.45 min Scan# 733

Delta R.T. 0.01 min

Lab File: VU029743.D

Acq: 28 Feb 2019 17:15

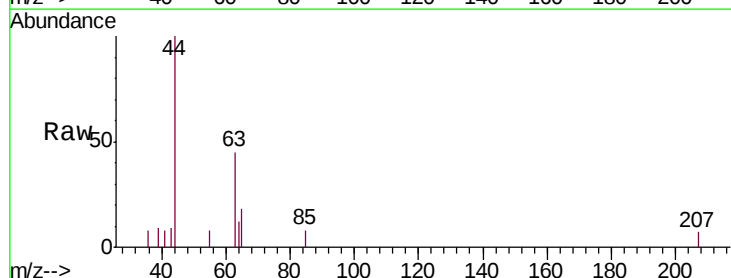
Tgt Ion: 63 Resp: 1322

Ion Ratio Lower Upper

63 100

65 39.4 22.3 41.5

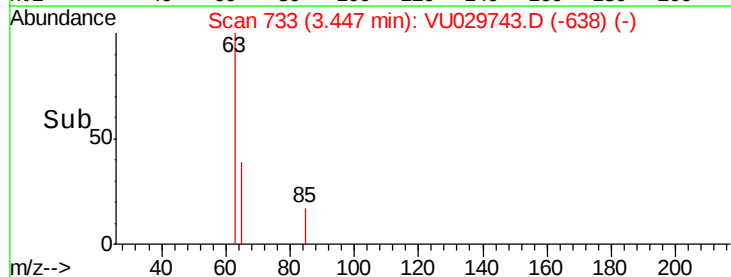
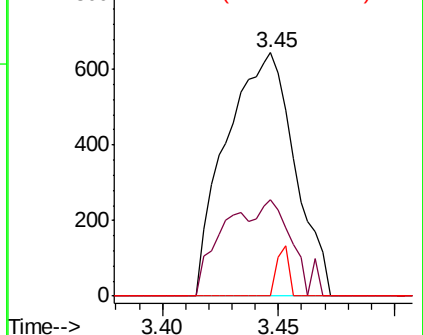
83 0.0 9.9 18.5#

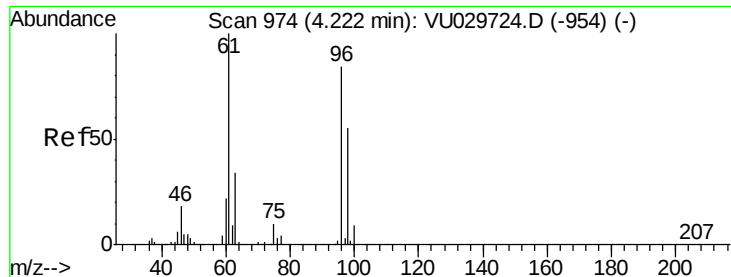


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 9.971 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029743.D

Acq: 28 Feb 2019 17:15

Instrument :

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ClientSampleId :

CWJZ2

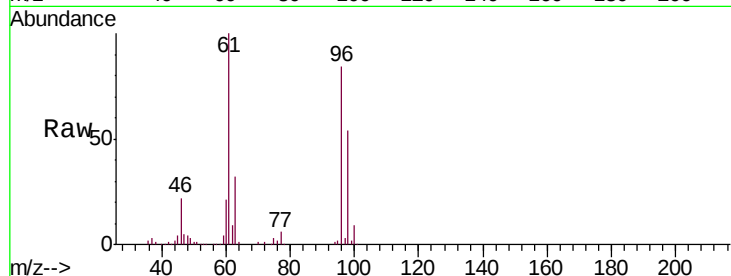
Tgt Ion: 96 Resp: 182430

Ion Ratio Lower Upper

96 100

61 119.3 80.2 149.0

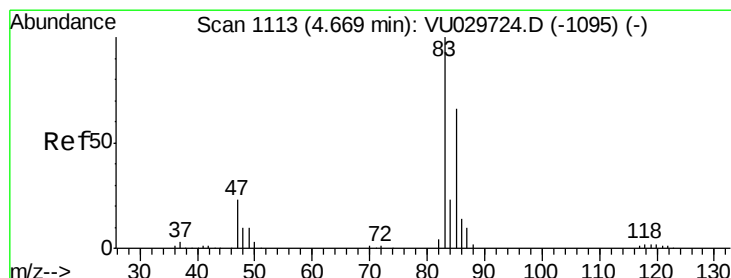
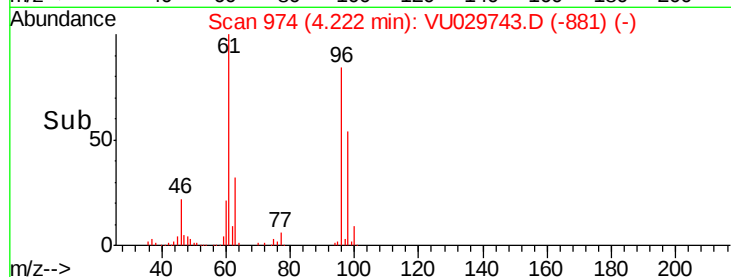
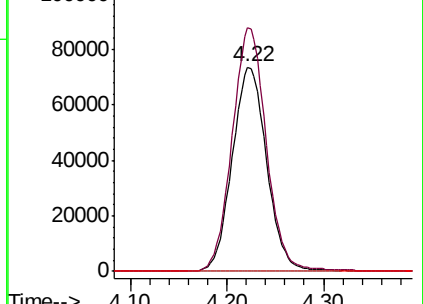
68 0.0 0.0 0.0



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: 0.152 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029743.D

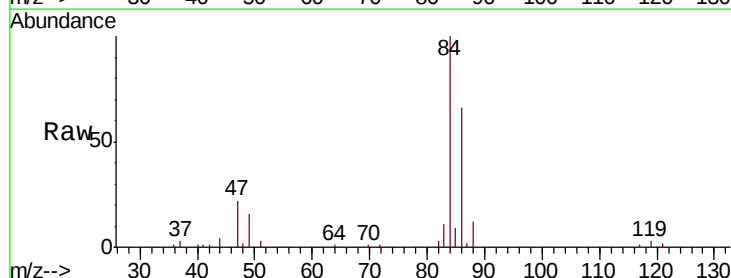
Acq: 28 Feb 2019 17:15

Tgt Ion: 83 Resp: 4741

Ion Ratio Lower Upper

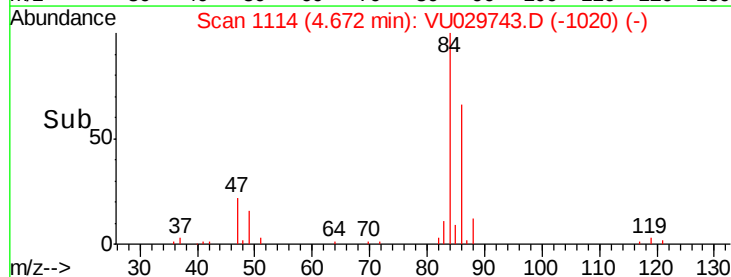
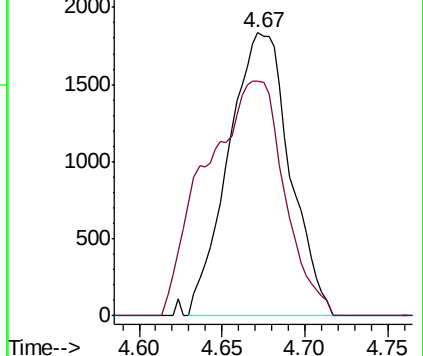
83 100

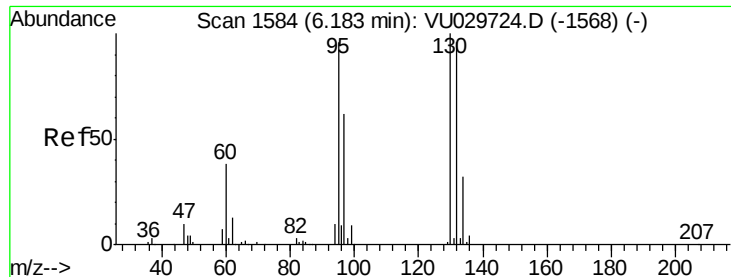
85 82.9 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

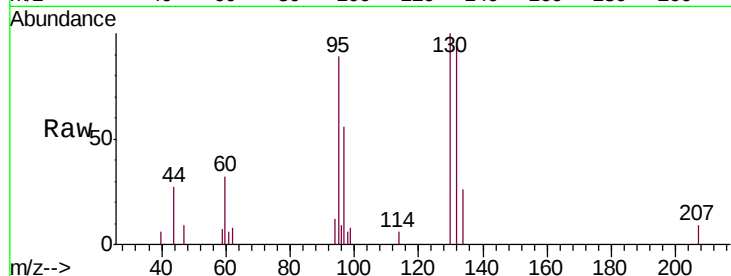




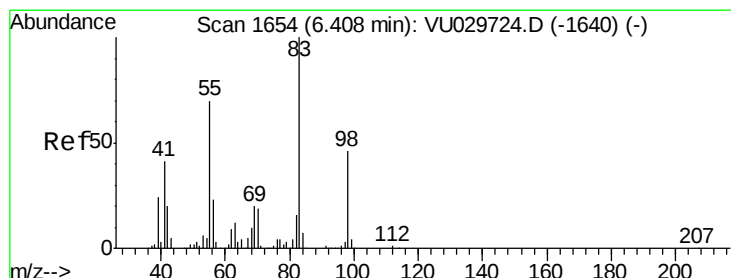
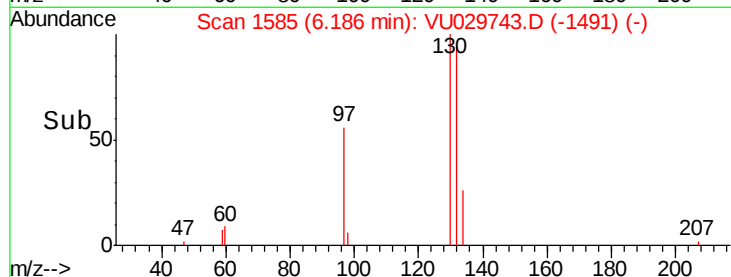
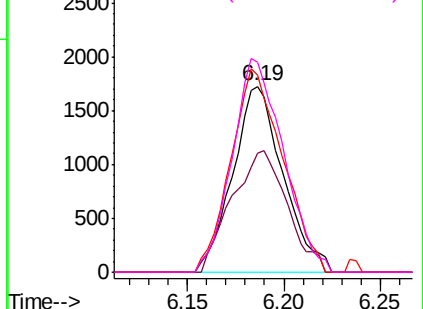
#34
 Trichloroethene
 Concen: 0.177 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VU029743.D
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Tgt Ion:	95	Resp:	3127
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.6	84.8
132	106.4	72.9	135.3
130	112.9	77.5	143.9

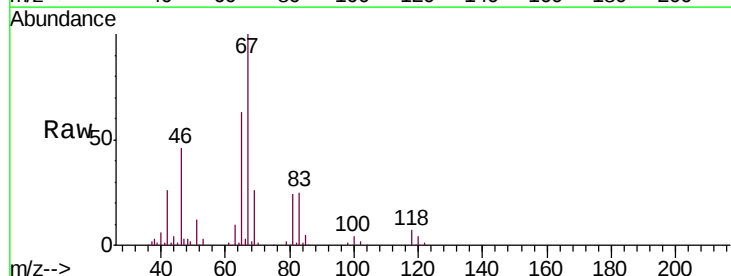


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

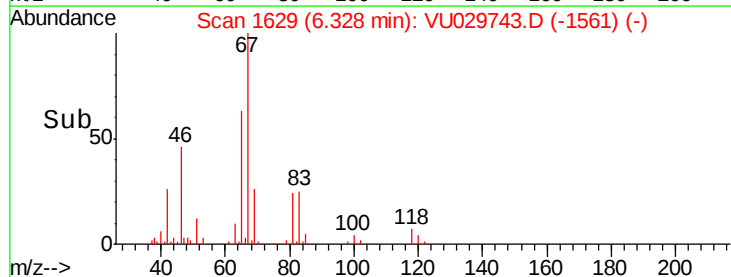
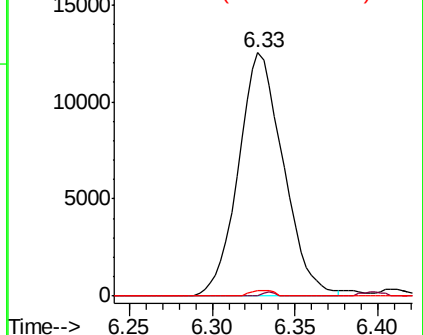


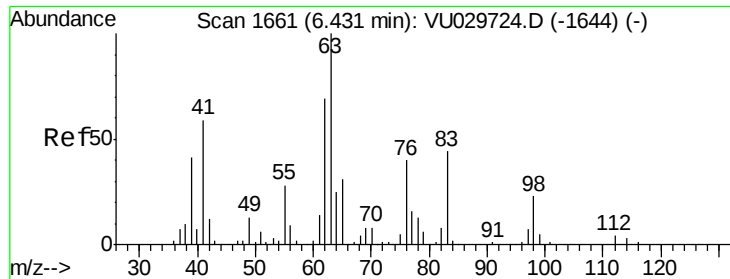
#35
 Methylcyclohexane
 Concen: 0.826 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.08 min
 Lab File: VU029743.D
 Acq: 28 Feb 2019 17:15

Tgt Ion:	83	Resp:	23596
Ion	Ratio	Lower	Upper
83	100		
55	0.4	56.5	84.7#
98	1.2	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

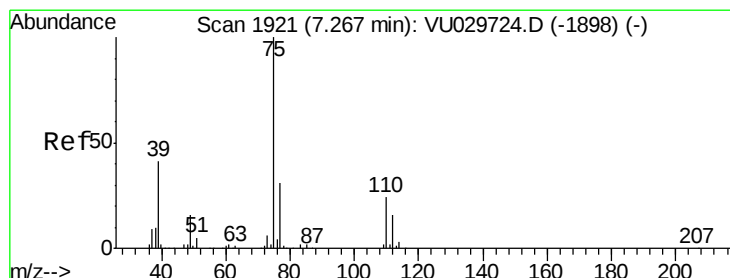
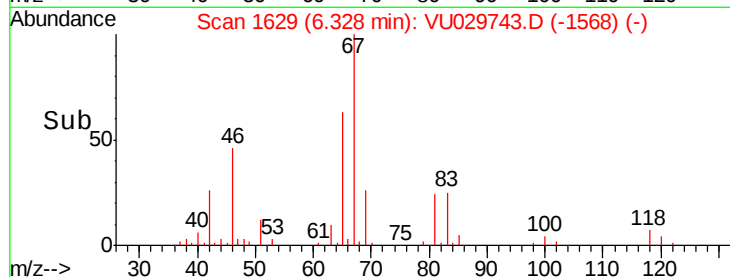
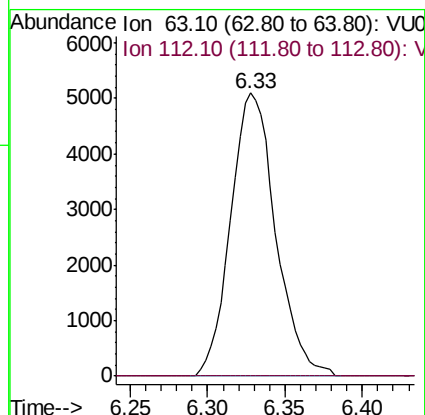
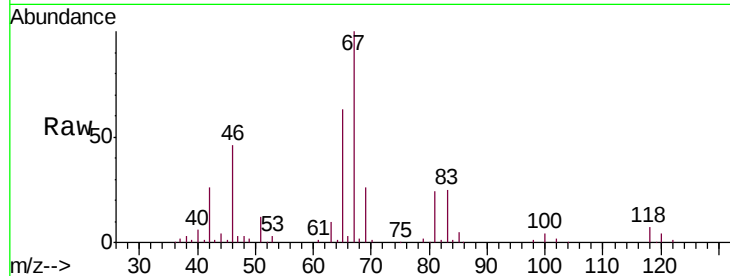




#37
 1,2-Dichloropropane
 Concen: 0.647 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029743.D
 Acq: 28 Feb 2019 17:15

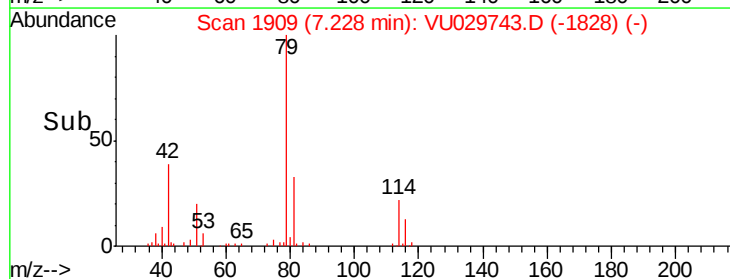
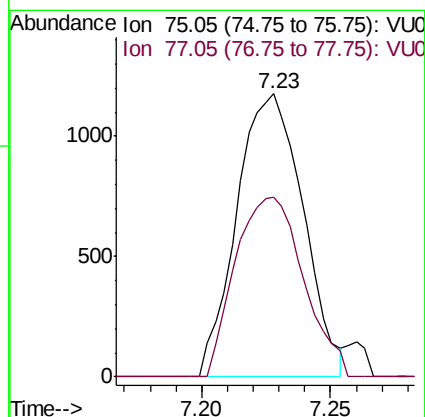
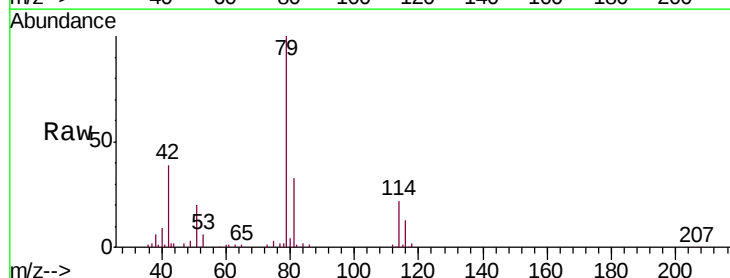
Instrument :
 MSVOA_U
 ClientSampleId :
 CWJZ2

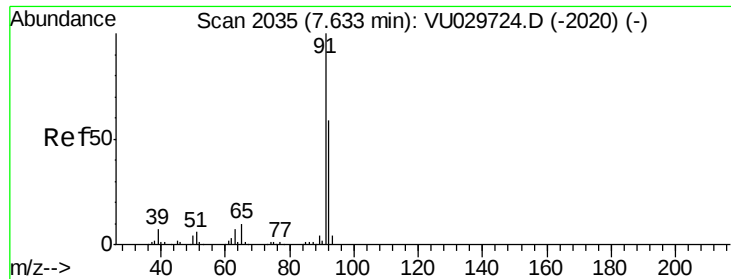
Tgt Ion: 63 Resp: 10284
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU029743.D
 Acq: 28 Feb 2019 17:15

Tgt Ion: 75 Resp: 2110
 Ion Ratio Lower Upper
 75 100
 77 63.4 22.3 41.5#





#42

Toluene

Concen: 1.375 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029743.D

Acq: 28 Feb 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

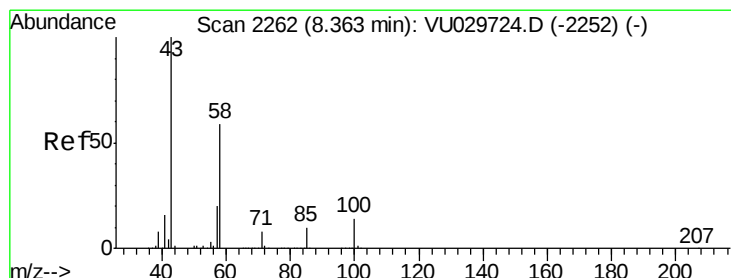
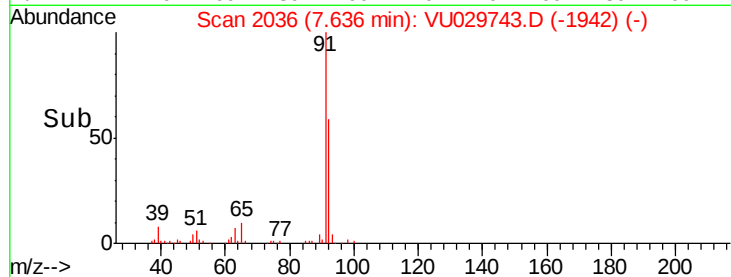
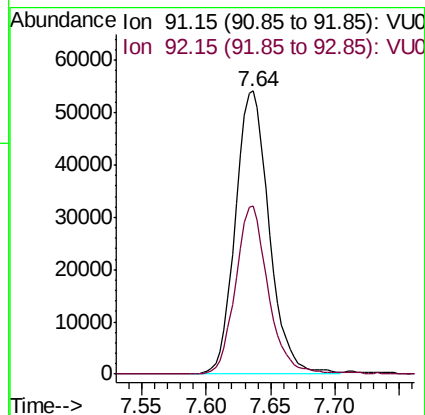
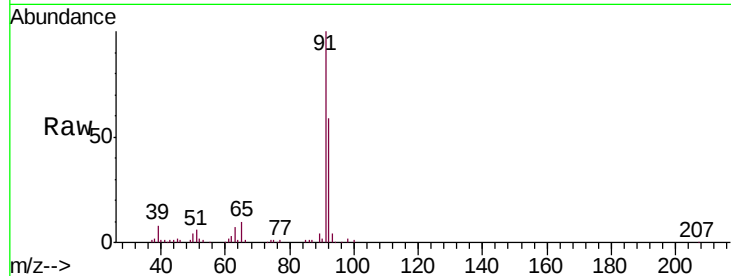
CWJZ2

Tgt Ion: 91 Resp: 98468

Ion Ratio Lower Upper

91 100

92 59.3 40.1 74.5



#48

2-Hexanone

Concen: 0.541 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VU029743.D

Acq: 28 Feb 2019 17:15

Tgt Ion: 43 Resp: 3535

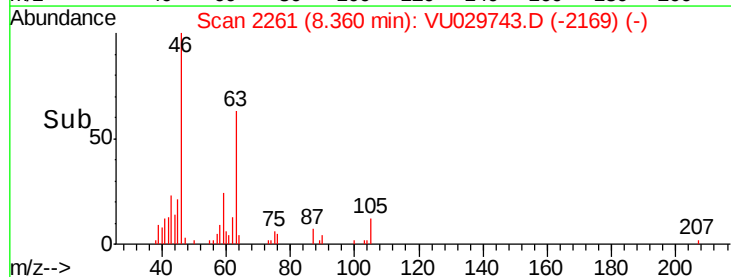
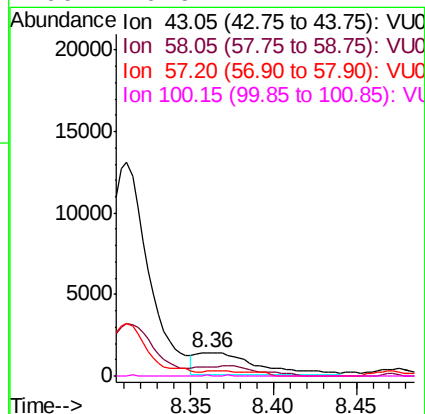
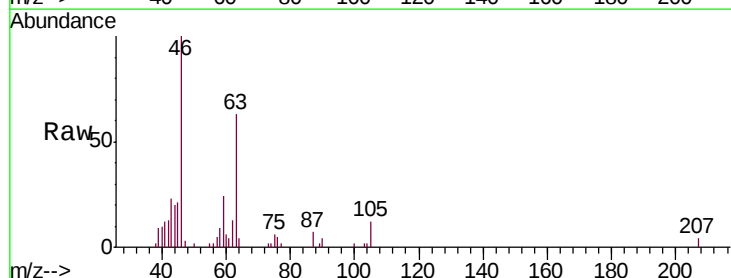
Ion Ratio Lower Upper

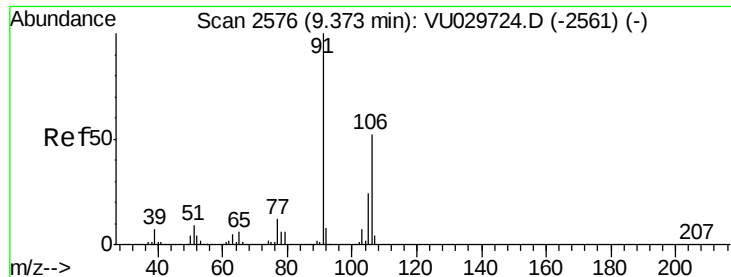
43 100

58 0.0 46.6 69.8#

57 0.0 15.9 23.9#

100 0.6 11.4 17.2#





#53

m,p-xylene

Concen: 0.054 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029743.D

Acq: 28 Feb 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

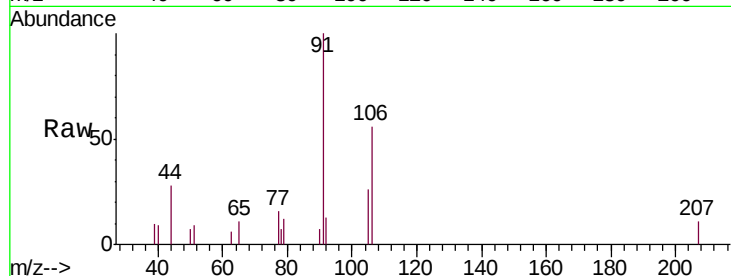
CWJZ2

Tgt Ion:106 Resp: 1724

Ion Ratio Lower Upper

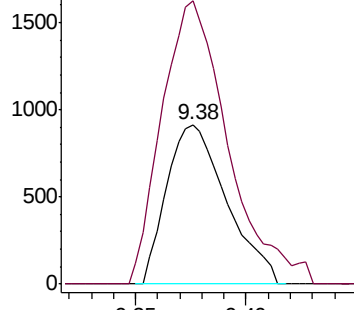
106 100

91 177.2 136.0 252.6

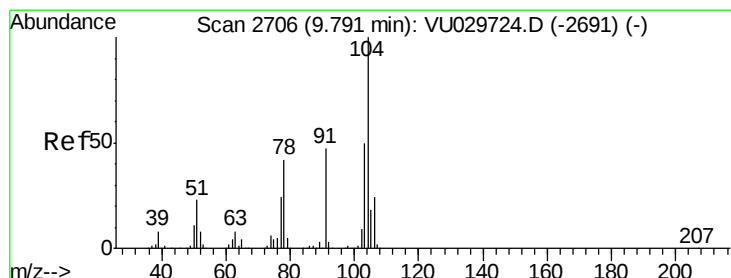
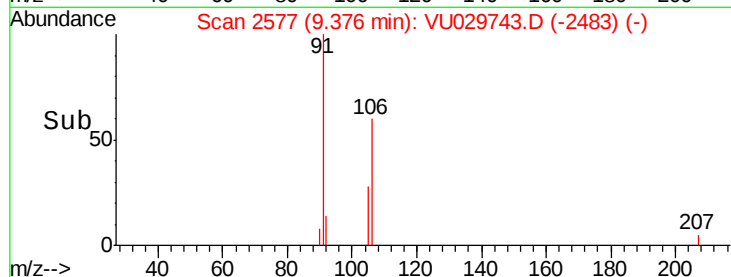


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



Time-->



#55

Styrene

Concen: 0.036 ug/L

RT: 9.80 min Scan# 2708

Delta R.T. 0.01 min

Lab File: VU029743.D

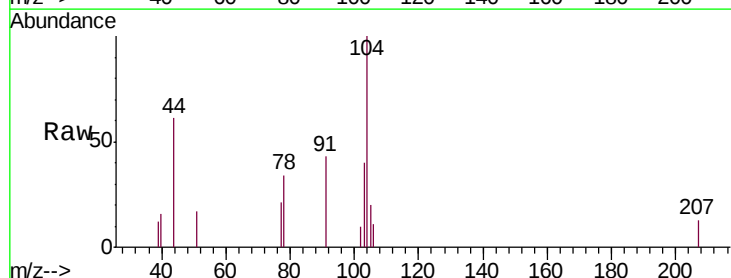
Acq: 28 Feb 2019 17:15

Tgt Ion:104 Resp: 1885

Ion Ratio Lower Upper

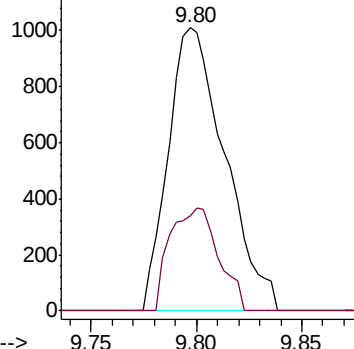
104 100

78 33.6 29.2 54.2

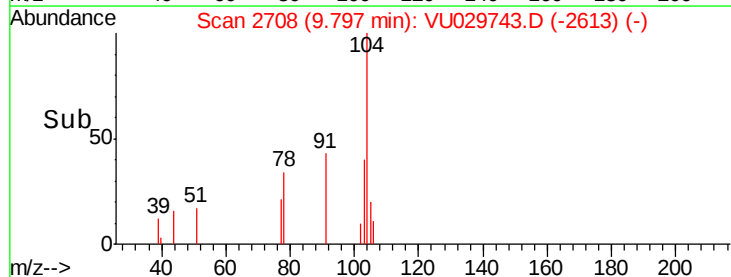


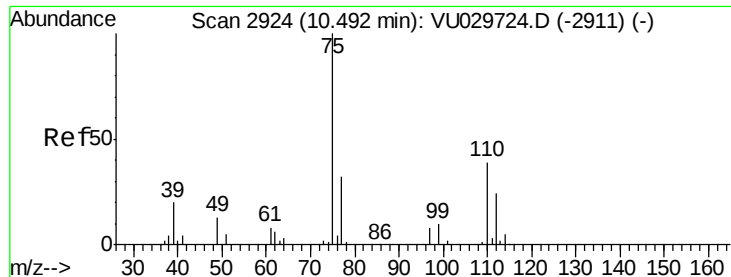
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



Time-->





#59

1,2,3-Trichloropropane

Concen: 1.195 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029743.D

Acq: 28 Feb 2019 17:15

Instrument :

MSVOA_U

ClientSampleId :

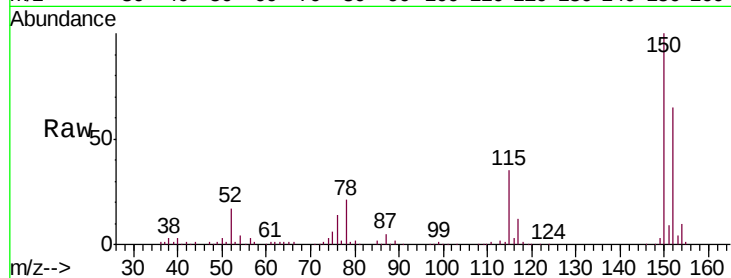
CWJZ2

Tgt Ion: 75 Resp: 12694

Ion Ratio Lower Upper

75 100

77 36.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

