

Data File : VU029747.D
Acq On : 28 Feb 2019 18:50
Operator : JC/SP
Sample : K1577-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWK03

Quant Time: Mar 01 00:26:14 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	242515	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	233199	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117993	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66994	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.68	69	66425	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.27	63	104458	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.19	46	225037	62.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.68%
24) Chloroform-d	4.65	84	146434	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.31	65	79734	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.34	84	303882	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.33	67	96951	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	7.56	98	268332	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.85	79	34564	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.31	63	210911	60.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	83895	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	118363	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	1326	0.081 ug/L #	79
5) Vinyl chloride	1.40	62	1260	0.061 ug/L #	1
8) Chloroethane	1.42	64	1133	0.085 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1066	0.056 ug/L #	17
12) 1,1-Dichloroethene	2.28	96	2968	0.165 ug/L #	1
13) Acetone	2.32	43	7777	3.023 ug/L	100
15) Methyl Acetate	2.44	43	8125	1.083 ug/L #	48
18) trans-1,2-Dichloroethene	2.98	96	1205	0.062 ug/L	87
19) 1,1-Dichloroethane	3.43	63	1427	0.047 ug/L #	86
22) cis-1,2-Dichloroethene	4.22	96	179986	10.038 ug/L	97
25) Chloroform	4.67	83	3226	0.106 ug/L	89
34) Trichloroethene	6.18	95	2903	0.169 ug/L	82
35) Methylcyclohexane	6.33	83	22054	0.790 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	9961	0.642 ug/L #	86
39) cis-1,3-Dichloropropene	7.22	75	2206	0.097 ug/L #	72
42) Toluene	7.64	91	92516	1.324 ug/L	98
48) 2-Hexanone	8.37	43	1980	0.310 ug/L #	48

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

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Response via : Initial Calibration

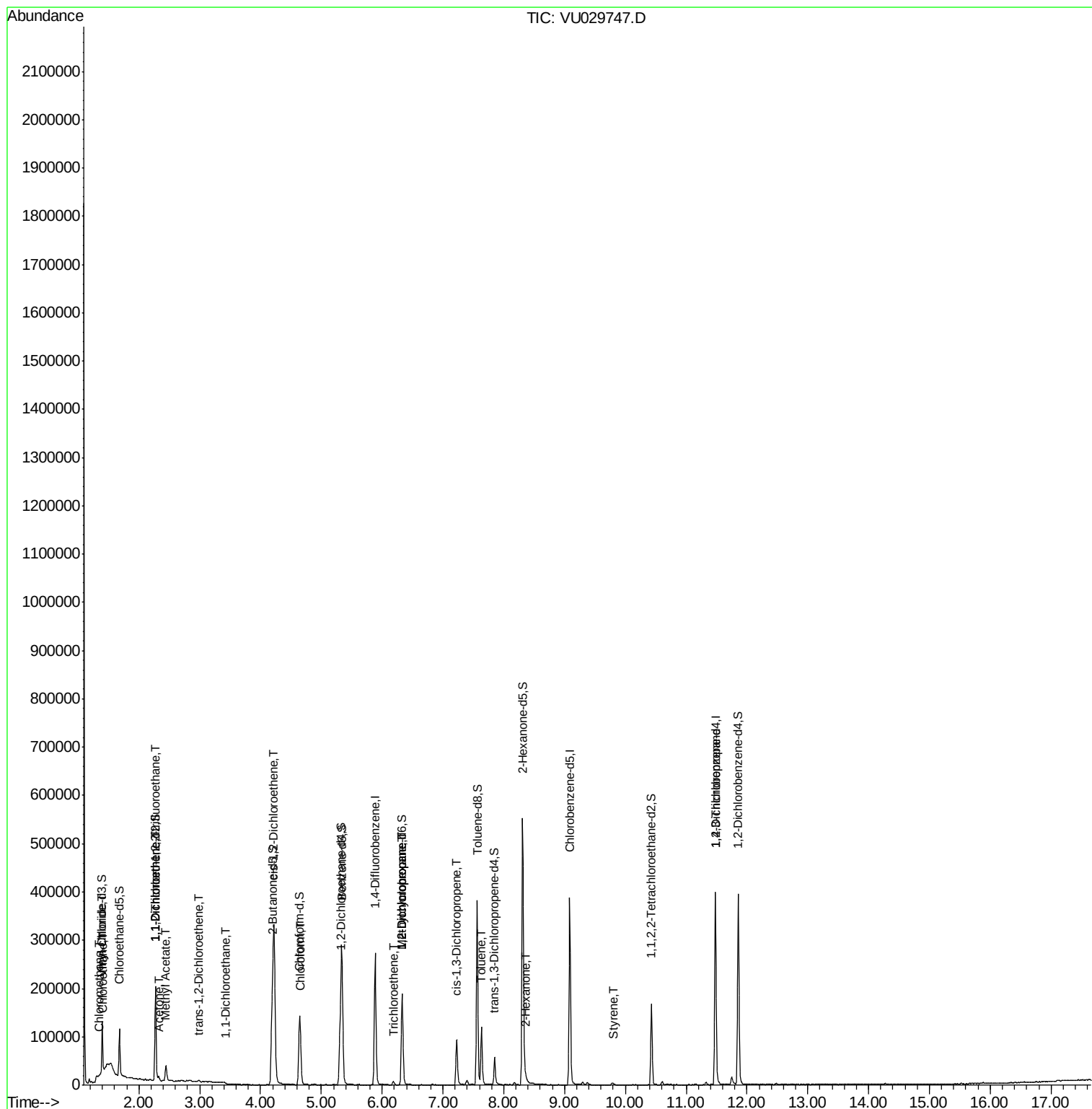
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	9.81	104	1695	0.034	ug/L #	76
59) 1,2,3-Trichloropropane	11.48	75	12306	1.187	ug/L	96

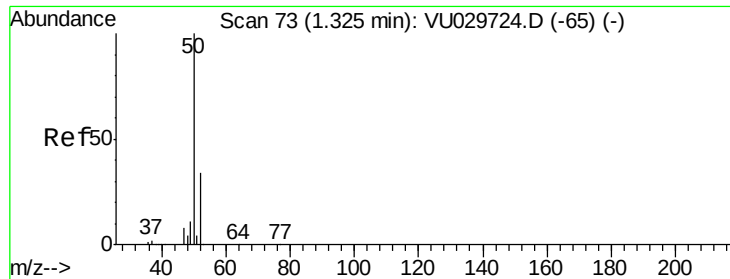
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.081 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029747.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_U

ClientSampled :

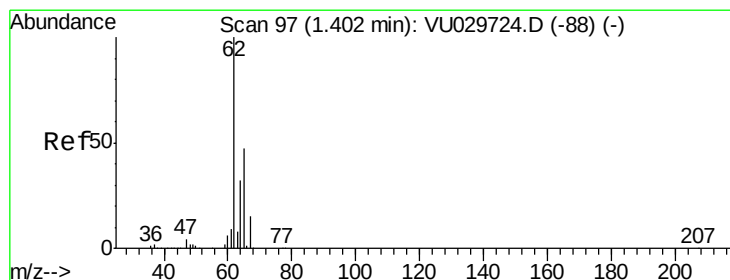
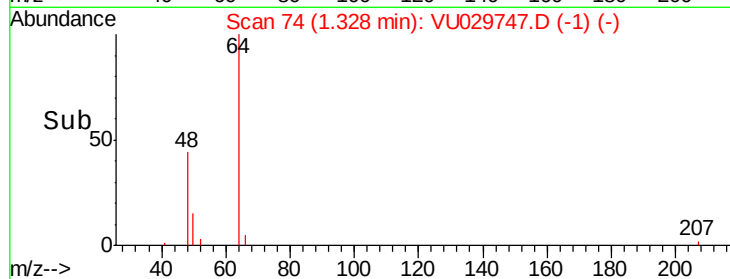
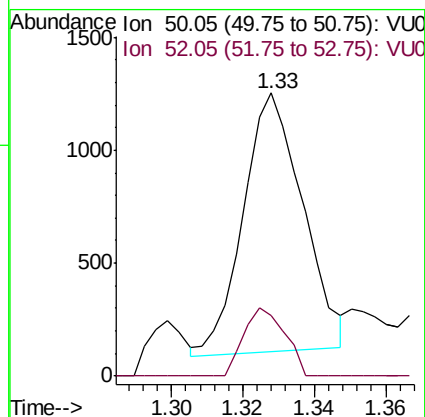
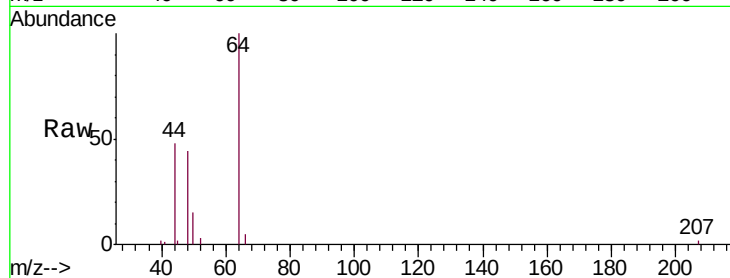
CWK03

Tgt Ion: 50 Resp: 1326

Ion Ratio Lower Upper

50 100

52 21.5 23.5 43.7#



#5

Vinyl chloride

Concen: 0.061 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029747.D

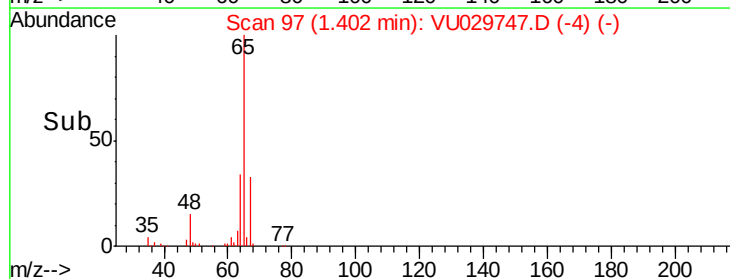
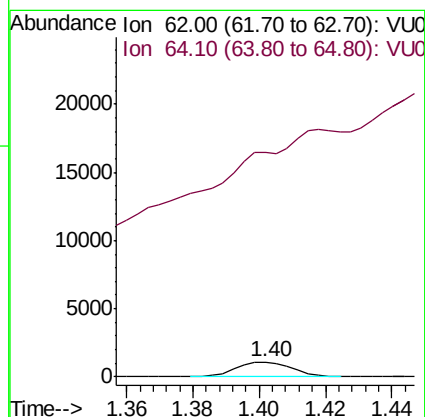
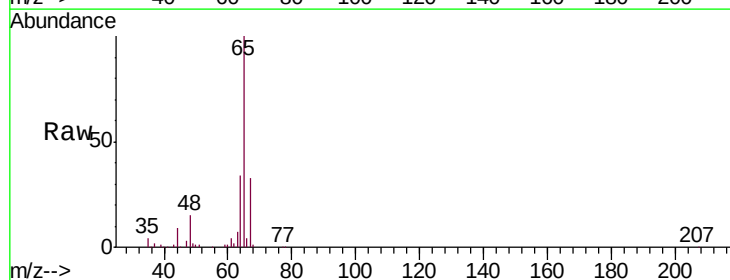
Acq: 28 Feb 2019 18:50

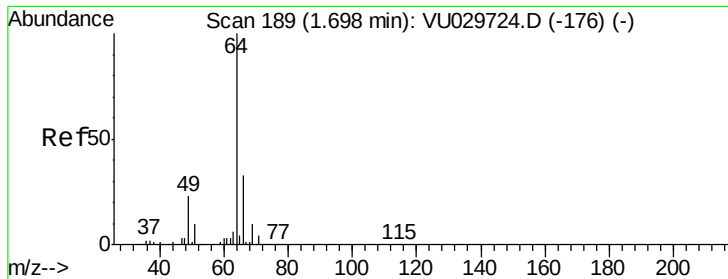
Tgt Ion: 62 Resp: 1260

Ion Ratio Lower Upper

62 100

64 1543.1 24.8 46.1#





#8

Chloroethane

Concen: 0.085 ug/L

RT: 1.42 min Scan# 102

Delta R.T. -0.28 min

Lab File: VU029747.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_U

ClientSampleId :

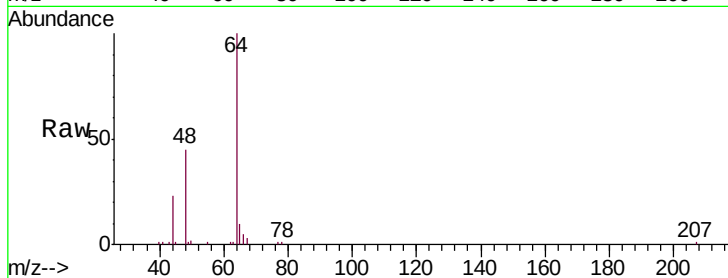
CWK03

Tgt Ion: 64 Resp: 1133

Ion Ratio Lower Upper

64 100

66 4.9 21.4 39.8#

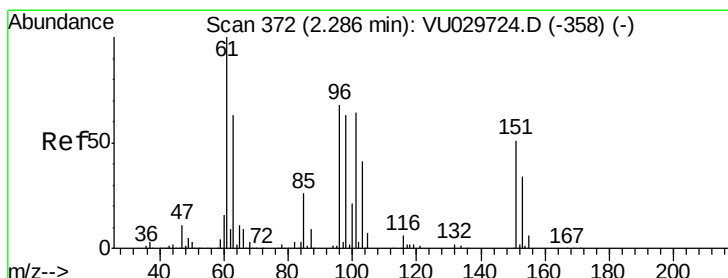
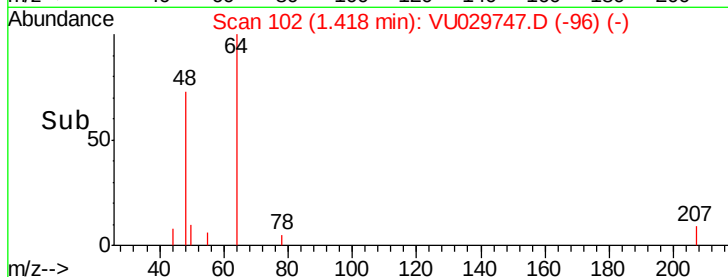


Abundance Ion 64.10 (63.80 to 64.80): VU029724.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU029724.D (-176) (-)

1.42

1.41 1.42 1.43



#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: VU029747.D

Acq: 28 Feb 2019 18:50

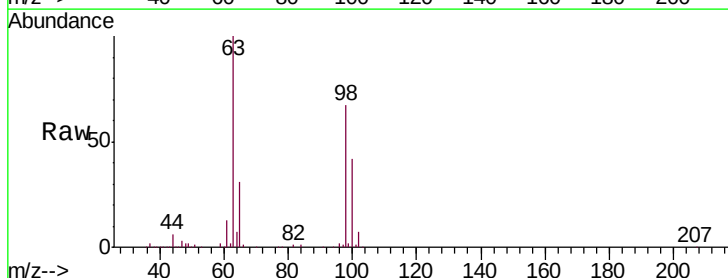
Tgt Ion: 101 Resp: 1066

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.9 98.9#



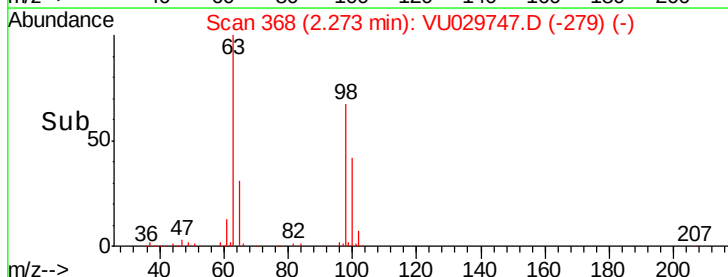
Abundance Ion 101.00 (100.70 to 101.70): VU029724.D (-358) (-)

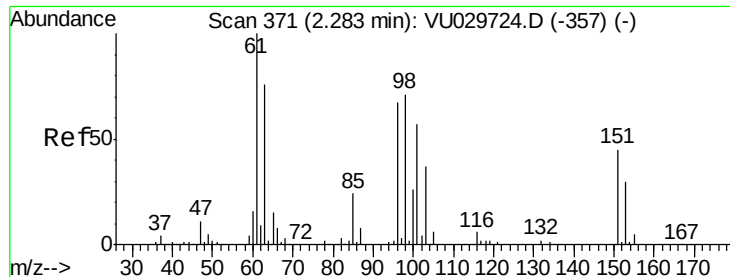
Ion 85.00 (84.70 to 85.70): VU029724.D (-358) (-)

Ion 151.00 (150.70 to 151.70): VU029724.D (-358) (-)

2.27

2.24 2.26 2.28 2.30

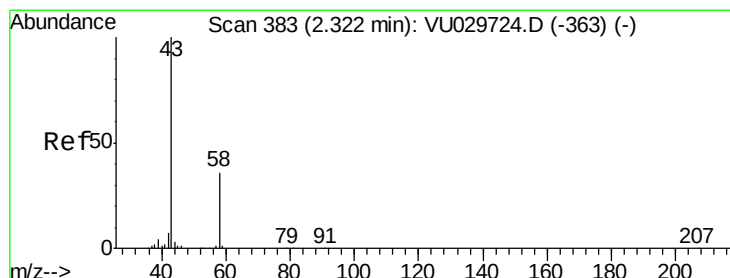
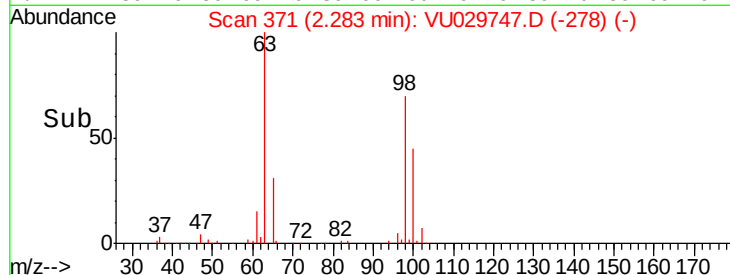
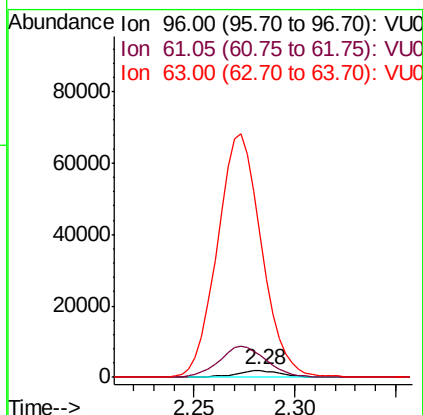
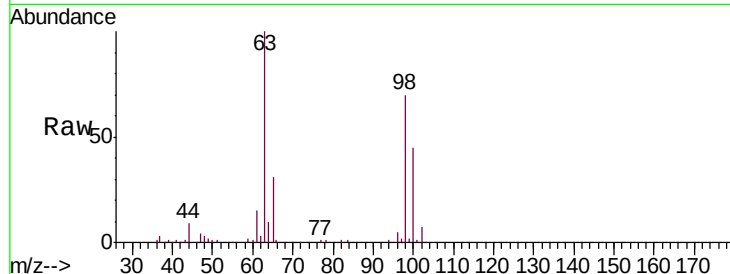




#12
 1,1-Dichloroethene
 Concen: 0.165 ug/L
 RT: 2.28 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VU029747.D
 Acq: 28 Feb 2019 18:50

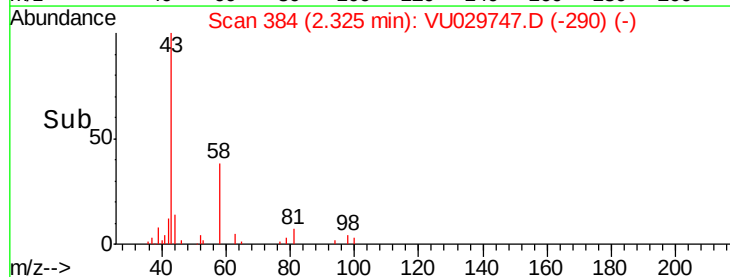
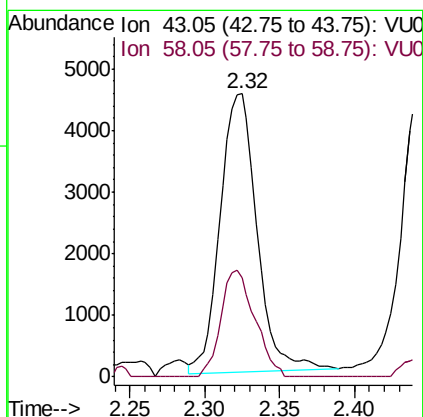
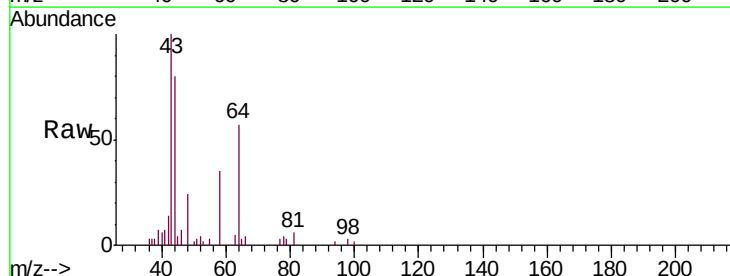
Instrument :
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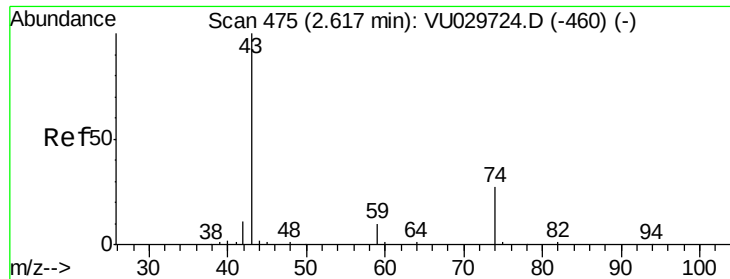
Tgt Ion: 96 Resp: 2968
 Ion Ratio Lower Upper
 96 100
 61 314.9 111.3 206.7#
 63 2036.9 88.5 164.3#



#13
 Acetone
 Concen: 3.023 ug/L
 RT: 2.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VU029747.D
 Acq: 28 Feb 2019 18:50

Tgt Ion: 43 Resp: 7777
 Ion Ratio Lower Upper
 43 100
 58 35.3 0.0 70.2

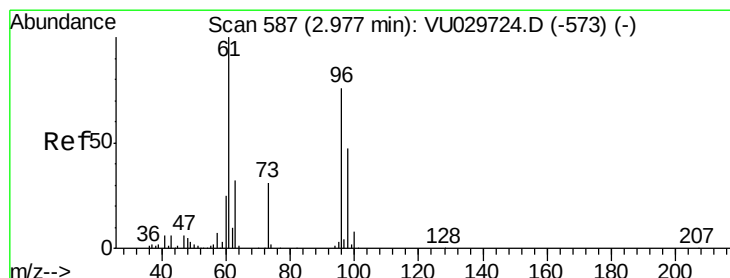
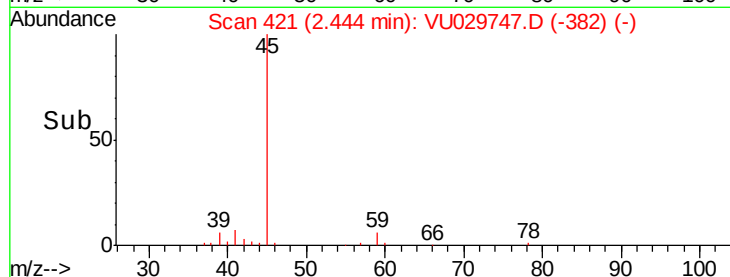
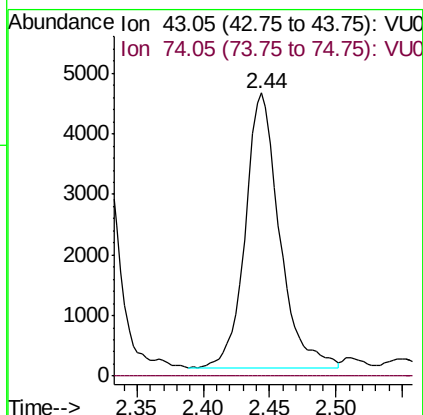
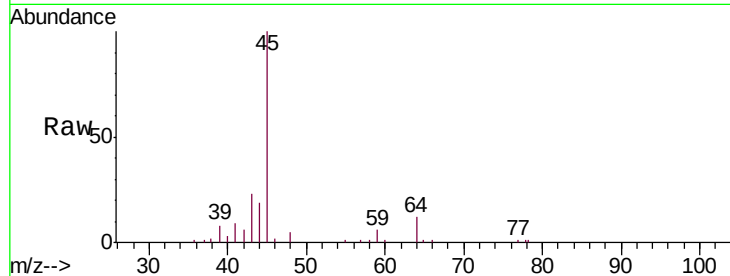




#15
Methyl Acetate
Concen: 1.083 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.17 min
Lab File: VU029747.D
Acq: 28 Feb 2019 18:50

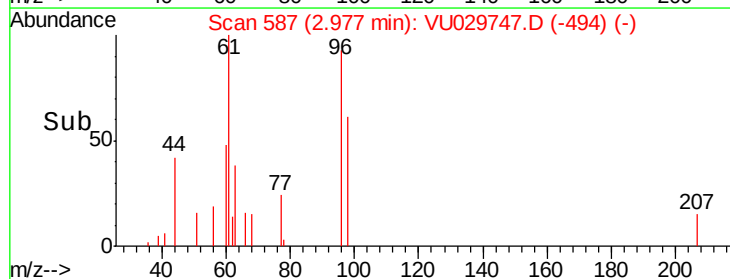
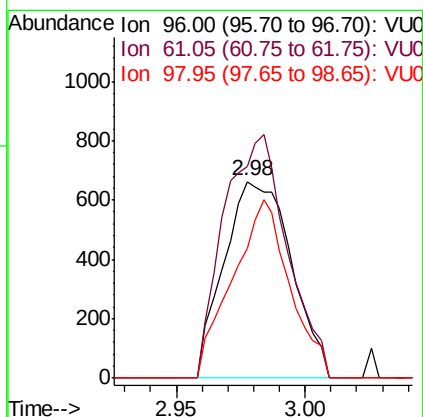
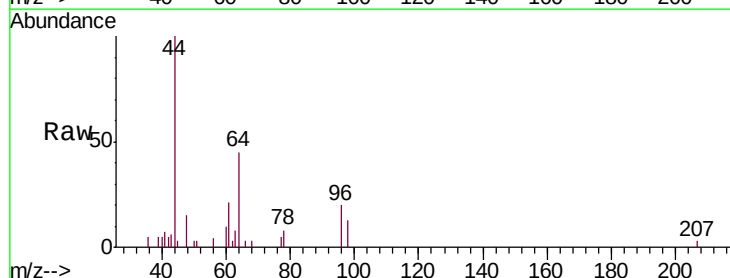
Instrument :
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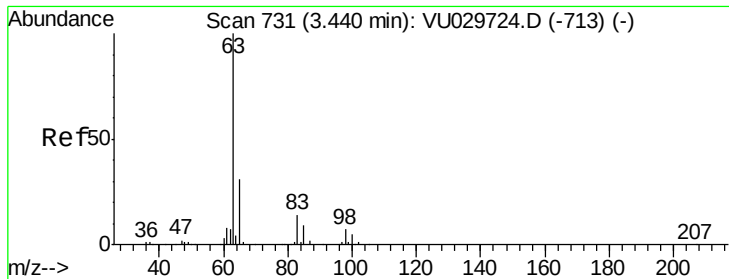
Tgt Ion: 43 Resp: 8125
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#18
trans-1,2-Dichloroethene
Concen: 0.062 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029747.D
Acq: 28 Feb 2019 18:50

Tgt Ion: 96 Resp: 1205
Ion Ratio Lower Upper
96 100
61 107.4 90.3 167.7
98 65.6 45.2 84.0

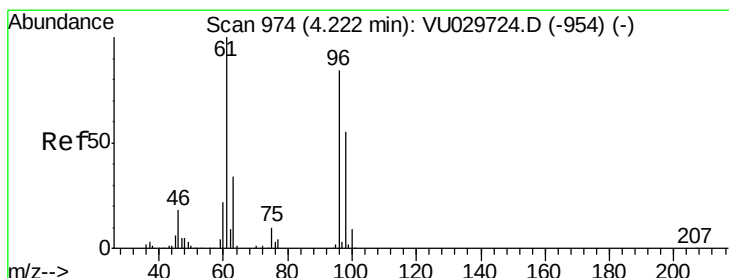
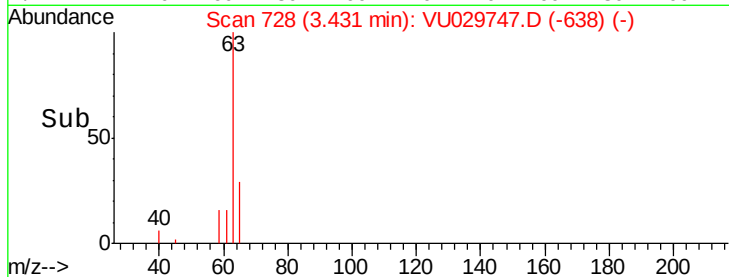
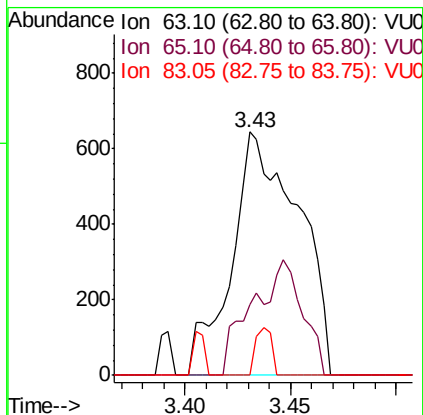
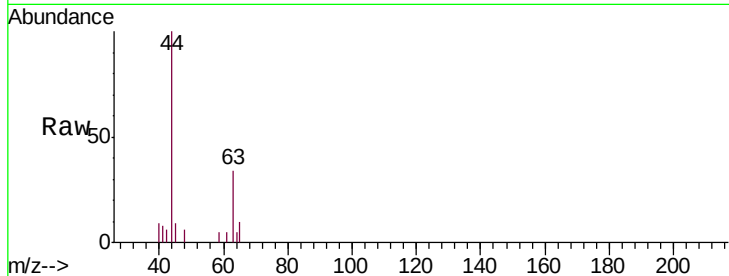




#19
 1,1-Dichloroethane
 Concen: 0.047 ug/L
 RT: 3.43 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: VU029747.D
 Acq: 28 Feb 2019 18:50

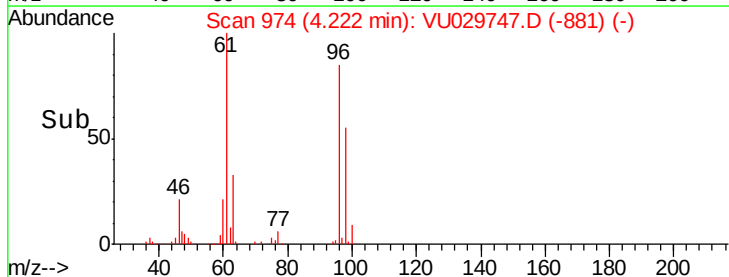
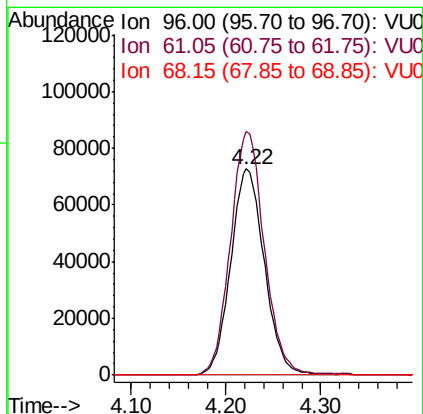
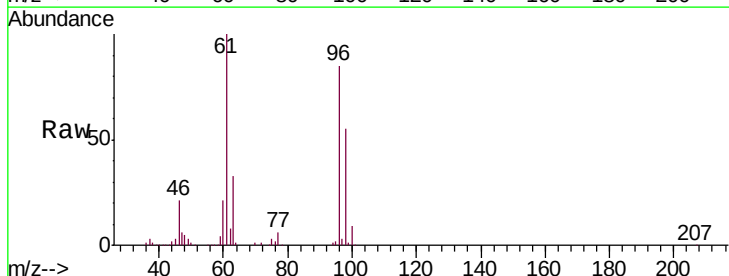
Instrument :
 MSVOA_U
 ClientSampled :
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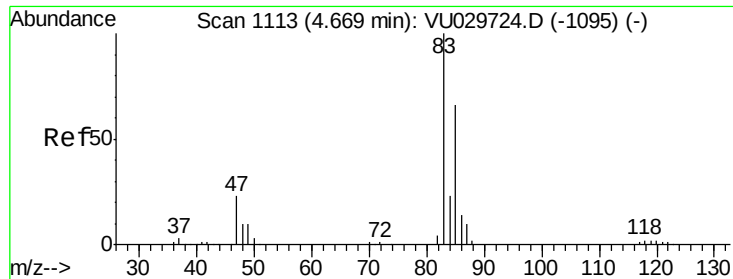
Tgt Ion: 63 Resp: 1427
 Ion Ratio Lower Upper
 63 100
 65 29.1 22.3 41.5
 83 0.0 9.9 18.5#



#22
 cis-1,2-Dichloroethene
 Concen: 10.038 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029747.D
 Acq: 28 Feb 2019 18:50

Tgt Ion: 96 Resp: 179986
 Ion Ratio Lower Upper
 96 100
 61 118.0 80.2 149.0
 68 0.0 0.0 0.0

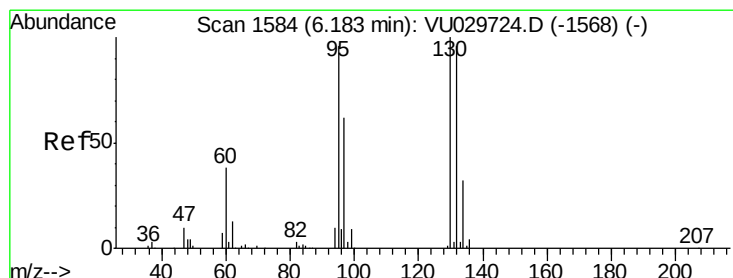
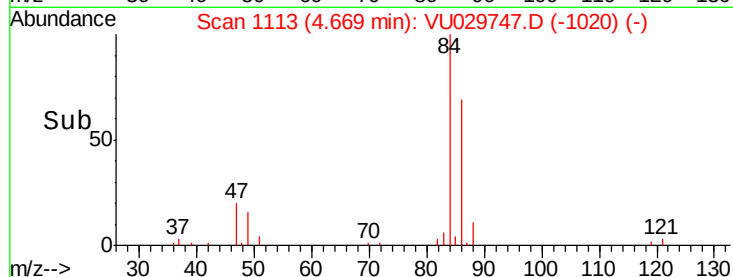
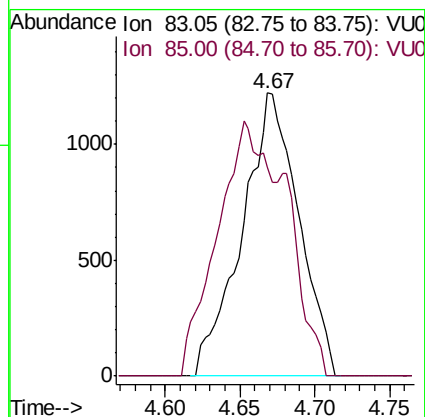
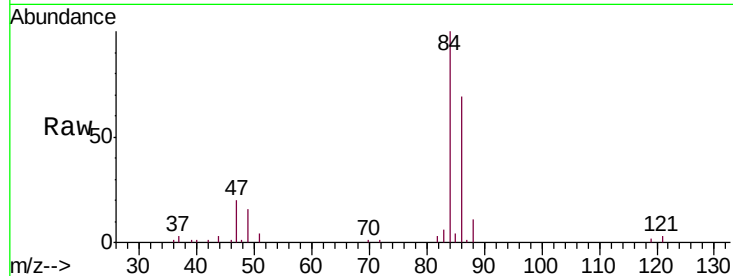




#25
Chloroform
Concen: 0.106 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029747.D
Acq: 28 Feb 2019 18:50

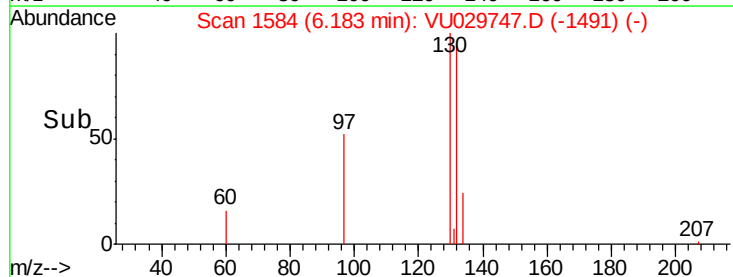
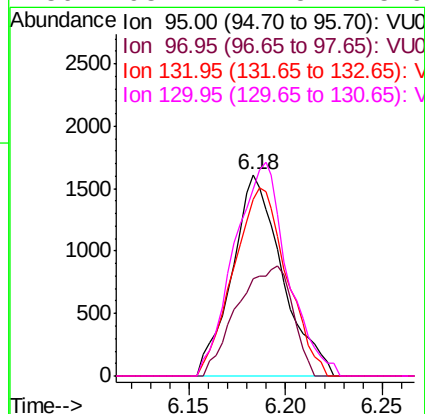
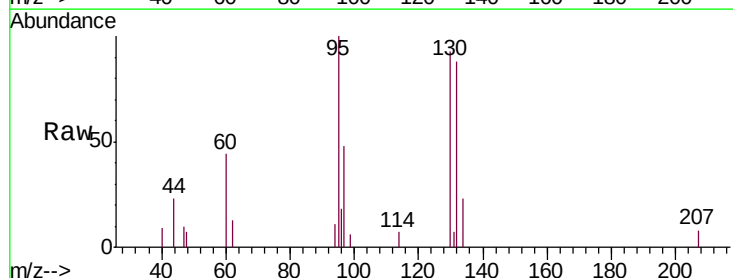
Instrument :
MSVOA_U
ClientSampleId :
CWK03

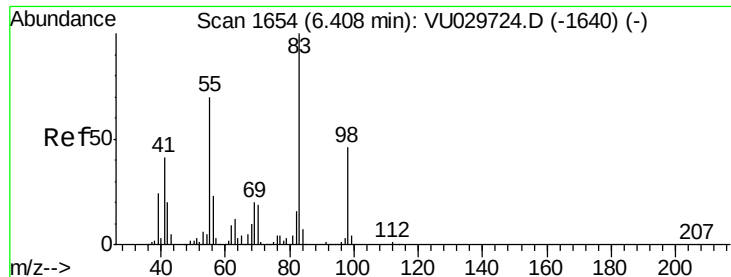
Tgt Ion: 83 Resp: 3226
Ion Ratio Lower Upper
83 100
85 74.1 45.6 84.6



#34
Trichloroethene
Concen: 0.169 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VU029747.D
Acq: 28 Feb 2019 18:50

Tgt Ion: 95 Resp: 2903
Ion Ratio Lower Upper
95 100
97 48.3 45.6 84.8
132 87.5 72.9 135.3
130 93.1 77.5 143.9

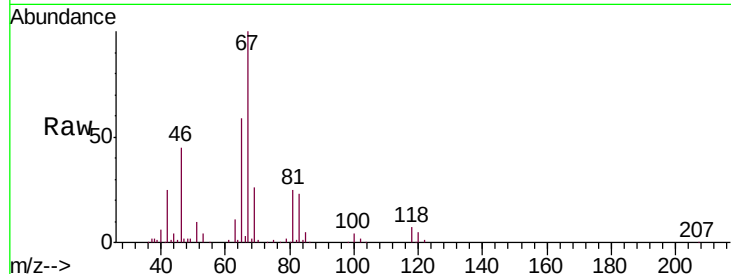




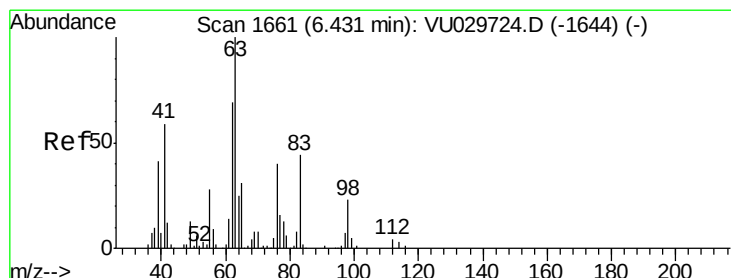
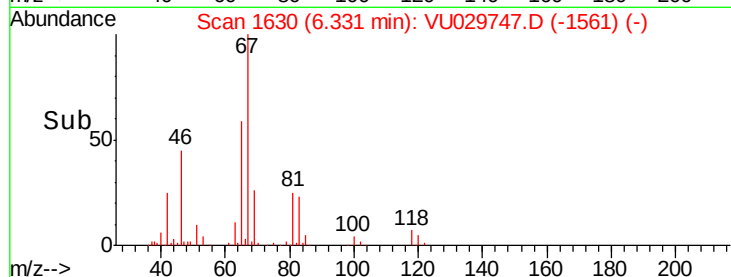
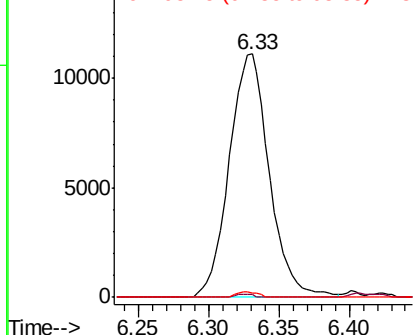
#35
Methylcyclohexane
Concen: 0.790 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.08 min
Lab File: VU029747.D
Acq: 28 Feb 2019 18:50

Instrument :
MSVOA_U
ClientSampleId :
CWK03

Tgt Ion: 83 Resp: 22054
Ion Ratio Lower Upper
83 100
55 0.5 56.5 84.7#
98 1.2 39.4 59.2#

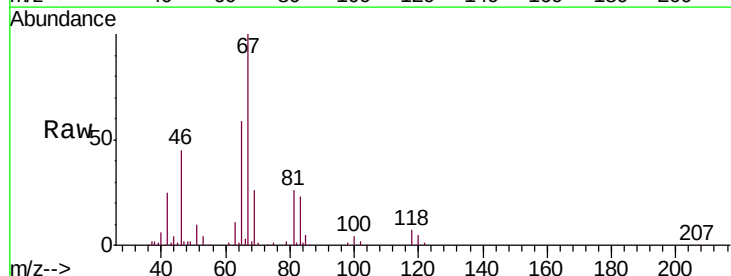


Abundance Ion 83.15 (82.85 to 83.85): VU0
15000 Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

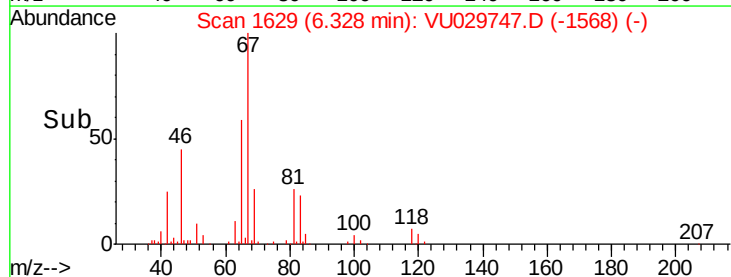
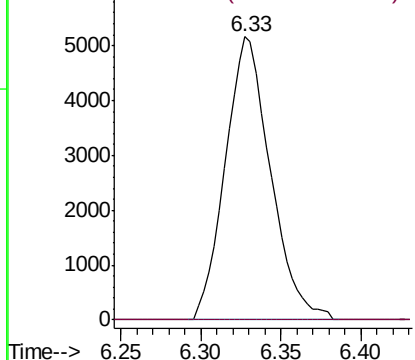


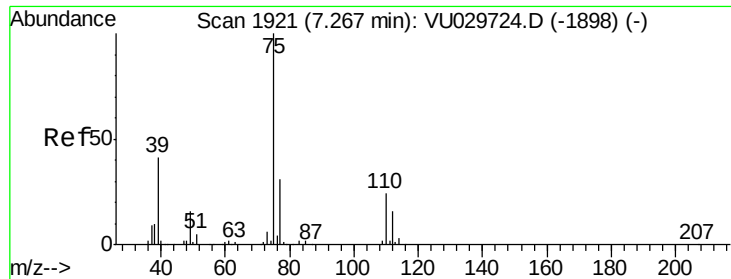
#37
1,2-Dichloropropane
Concen: 0.642 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029747.D
Acq: 28 Feb 2019 18:50

Tgt Ion: 63 Resp: 9961
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
6000 Ion 112.10 (111.80 to 112.80): V

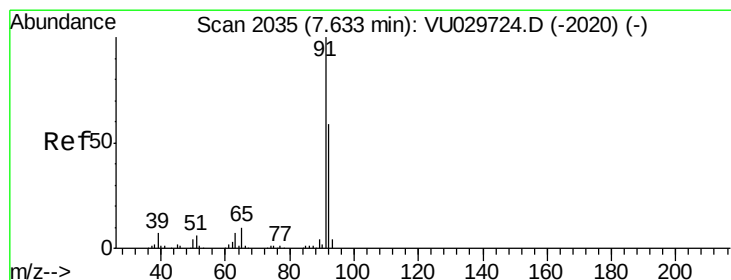
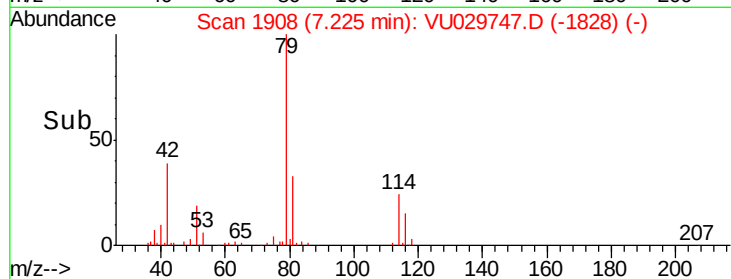
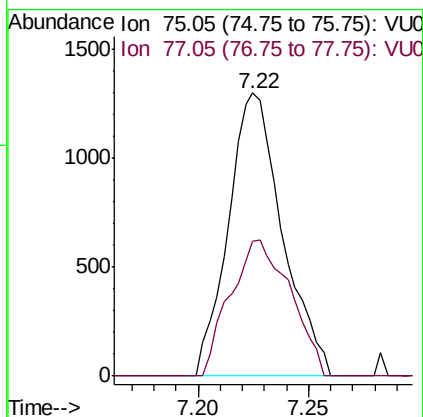
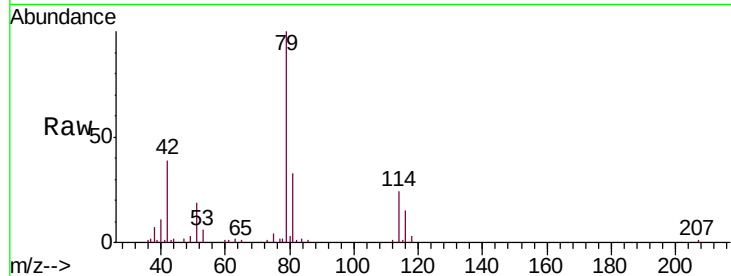




#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029747.D
 Acq: 28 Feb 2019 18:50

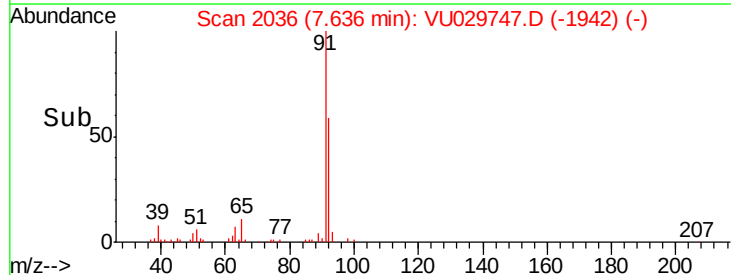
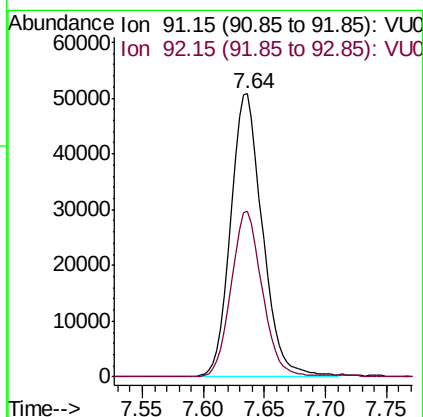
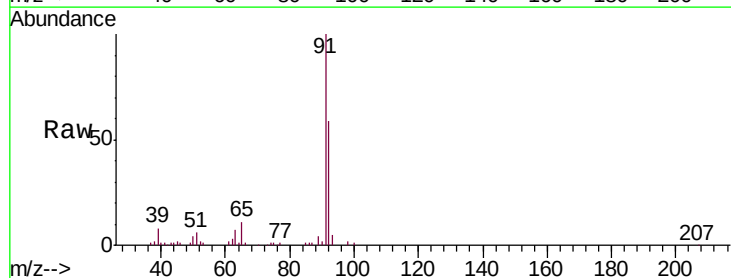
Instrument :
 MSVOA_U
 ClientSampled :
 CWK03

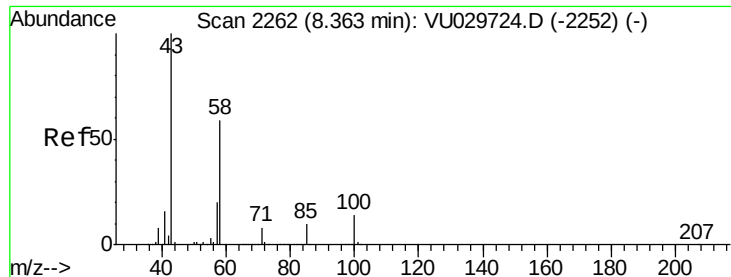
Tgt Ion: 75 Resp: 2206
 Ion Ratio Lower Upper
 75 100
 77 47.6 22.3 41.5#



#42
 Toluene
 Concen: 1.324 ug/L
 RT: 7.64 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU029747.D
 Acq: 28 Feb 2019 18:50

Tgt Ion: 91 Resp: 92516
 Ion Ratio Lower Upper
 91 100
 92 58.6 40.1 74.5

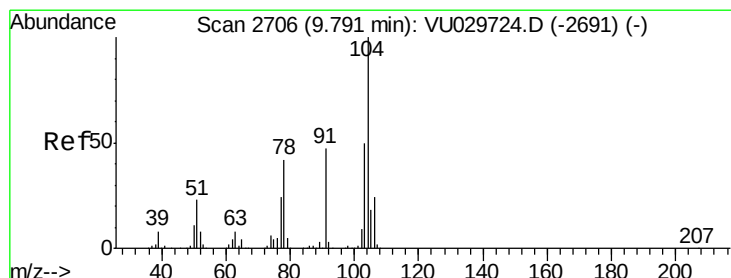
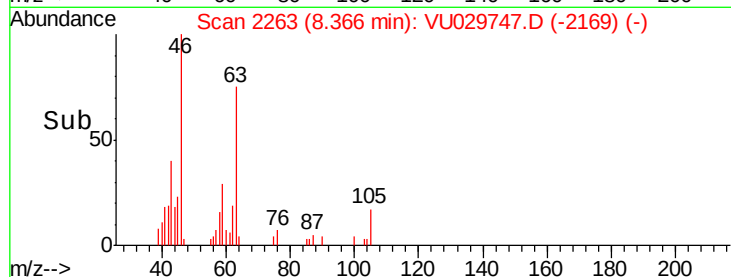
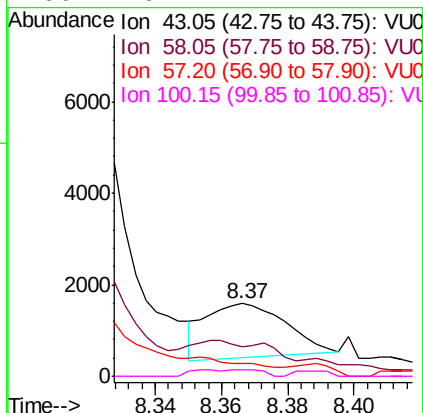
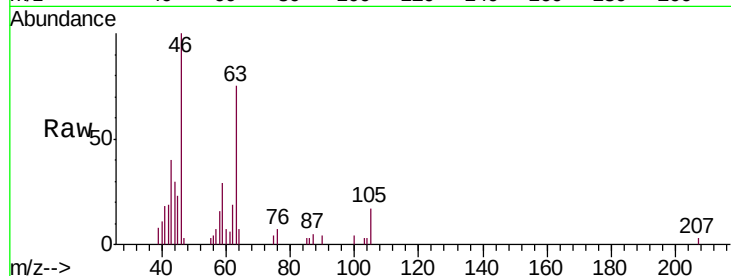




#48
2-Hexanone
Concen: 0.310 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU029747.D
Acq: 28 Feb 2019 18:50

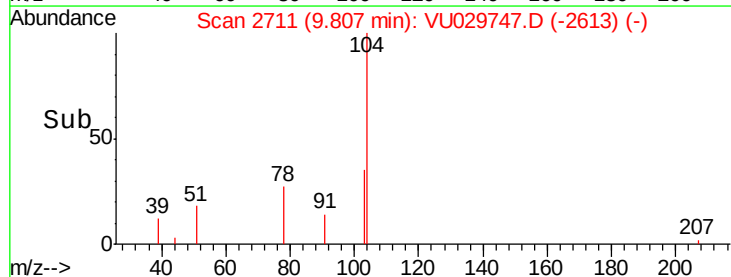
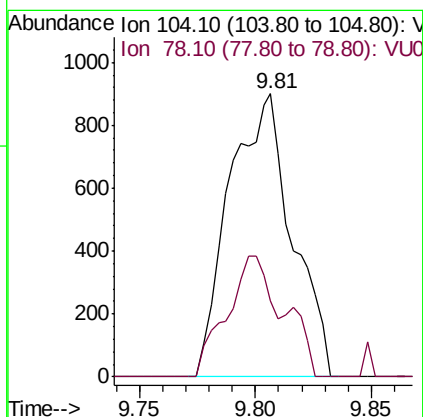
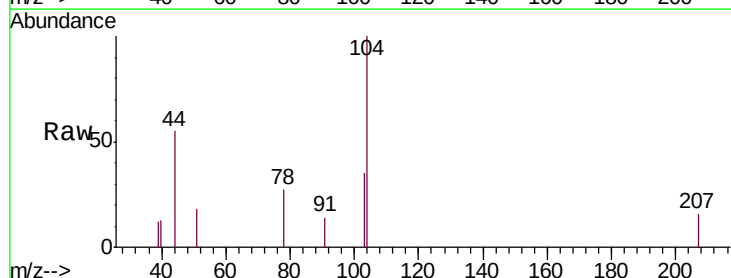
Instrument :
MSVOA_U
ClientSampleId :
CWK03

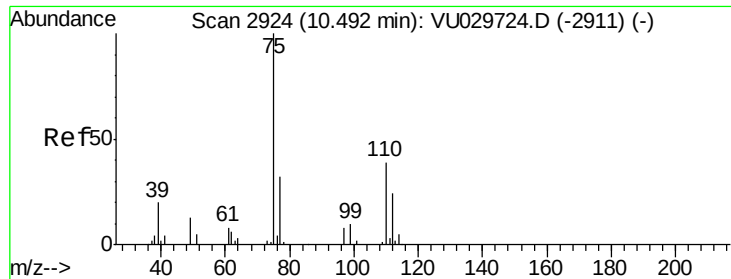
Tgt Ion: 43 Resp: 1980
Ion Ratio Lower Upper
43 100
58 10.1 46.6 69.8#
57 0.0 15.9 23.9#
100 10.1 11.4 17.2#



#55
Styrene
Concen: 0.034 ug/L
RT: 9.81 min Scan# 2711
Delta R.T. 0.02 min
Lab File: VU029747.D
Acq: 28 Feb 2019 18:50

Tgt Ion: 104 Resp: 1695
Ion Ratio Lower Upper
104 100
78 26.8 29.2 54.2#





#59

1,2,3-Trichloropropane

Concen: 1.187 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029747.D

Acq: 28 Feb 2019 18:50

Instrument :

MSVOA_U

ClientSampleId :

CWK03

Tgt Ion: 75 Resp: 12306

Ion Ratio Lower Upper

75 100

77 34.3 25.6 38.4

