

Data File : VU029396.D
Acq On : 11 Feb 2019 14:45
Operator : JC/SP
Sample : K1410-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
X2F71

Quant Time: Feb 12 01:21:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 12 01:17:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	222778	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	206914	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116123	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80989	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.68	69	68631	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.27	63	154864	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.19	46	154036	52.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.04%
24) Chloroform-d	4.65	84	124381	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.31	65	64628	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.34	84	268180	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.33	67	78180	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.56	98	264931	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
43) trans-1,3-Dichloropropene-	7.85	79	35021	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.31	63	158561	53.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	63957	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	113514	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	54581	3.219 ug/L	100
6) Bromomethane	1.62	94	50543	3.722 ug/L	99
9) Trichlorofluoromethane	1.88	101	205664	7.036 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1945	0.112 ug/L #	47
12) 1,1-Dichloroethene	2.28	96	55061	3.373 ug/L #	77
13) Acetone	2.33	43	185385	78.227 ug/L	98
14) Carbon disulfide	2.48	76	246542	4.485 ug/L	100
16) Methylene chloride	2.70	84	40198	2.240 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	344436	8.376 ug/L	100
19) 1,1-Dichloroethane	3.44	63	254457	9.407 ug/L	99
21) 2-Butanone	4.28	43	355317	120.856 ug/L	99
25) Chloroform	4.67	83	3350	0.130 ug/L	81
27) 1,2-Dichloroethane	5.41	62	107175	7.076 ug/L	95
29) 1,1,1-Trichloroethane	4.91	97	192250	8.405 ug/L	97
30) Cyclohexane	4.99	56	230223	10.590 ug/L	97
31) Carbon tetrachloride	4.91	117	26248	1.251 ug/L	99
34) Trichloroethene	6.18	95	77807	5.140 ug/L	100

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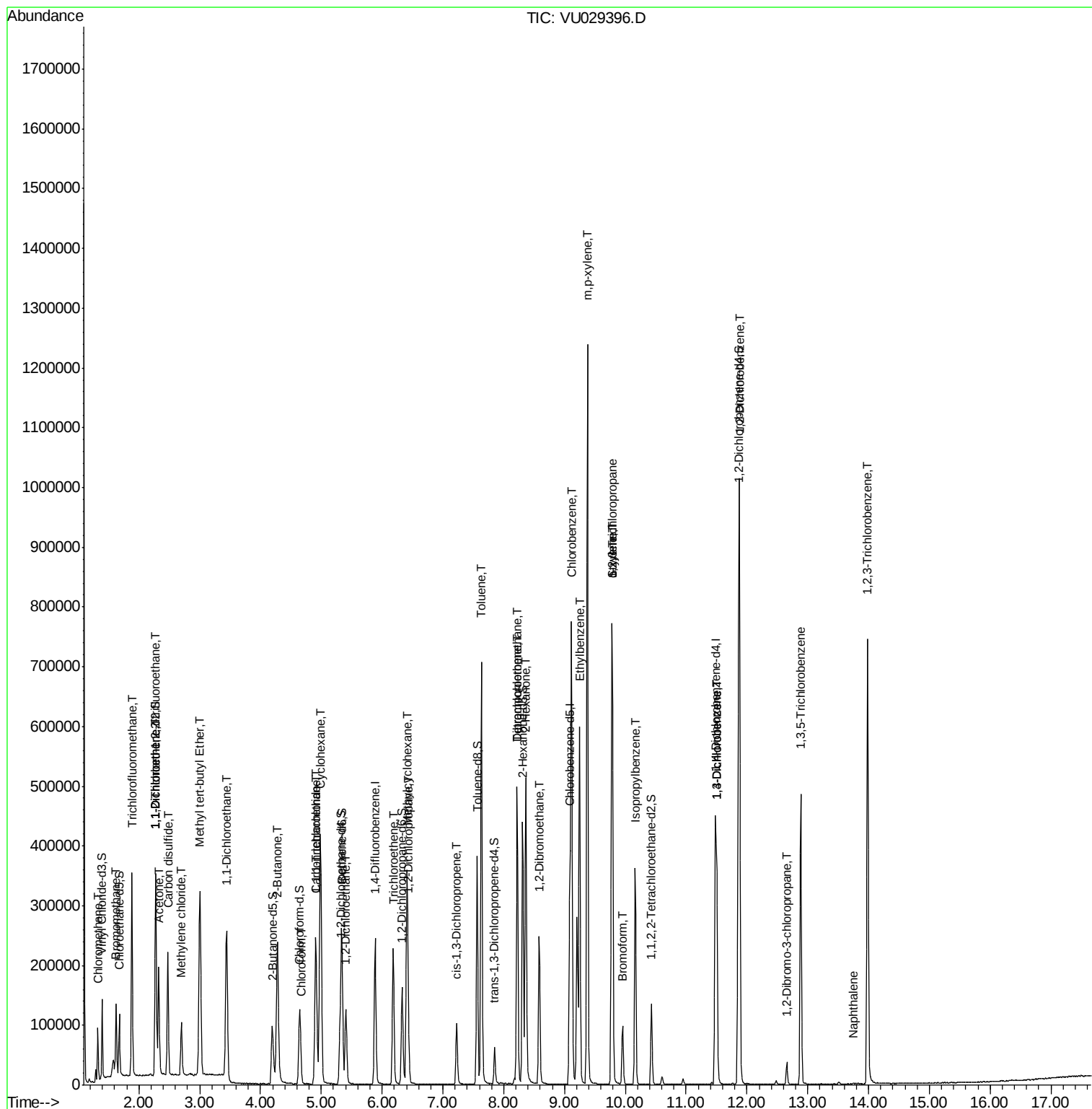
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) Methylcyclohexane	6.41	83	154671	5.966	ug/L	99
37) 1,2-Dichloropropane	6.43	63	30241	2.251	ug/L	98
39) cis-1,3-Dichloropropene	7.23	75	2616	0.121	ug/L #	62
42) Toluene	7.63	91	522524	8.636	ug/L	98
47) Tetrachloroethene	8.22	164	117695	8.376	ug/L	99
48) 2-Hexanone	8.36	43	314909	59.913	ug/L	99
49) Dibromochloromethane	8.22	129	105821	7.345	ug/L #	10
50) 1,2-Dibromoethane	8.59	107	164140	16.193	ug/L	98
51) Chlorobenzene	9.12	112	433321	10.378	ug/L	98
52) Ethylbenzene	9.25	91	434359	6.299	ug/L	100
53) m,p-xylene	9.38	106	352684	12.801	ug/L	97
54) o-xylene	9.78	106	142056	5.310	ug/L	99
55) Styrene	9.79	104	236643	5.312	ug/L	100
56) Isopropylbenzene	10.16	105	238258	3.351	ug/L	99
59) 1,2,3-Trichloropropane	9.78	75	11990	1.406	ug/L #	1
61) Bromoform	9.96	173	46531	5.100	ug/L	98
62) 1,3-Dichlorobenzene	11.50	146	155761	4.333	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	155761	4.256	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	399510	11.843	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	9100	4.018	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	163156	5.495	ug/L	97
69) Naphthalene	13.75	128	2068	0.051	ug/L #	85
70) 1,2,3-Trichlorobenzene	13.98	180	256852	10.938	ug/L	99

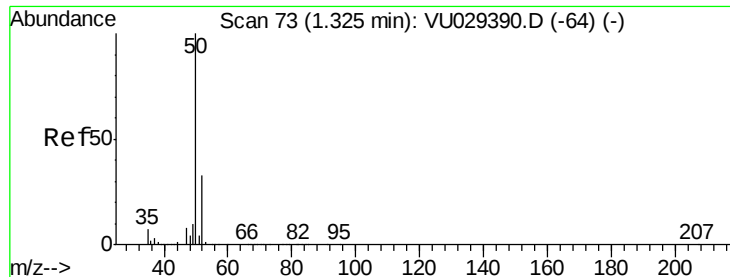
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.219 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU029396.D

Acq: 11 Feb 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

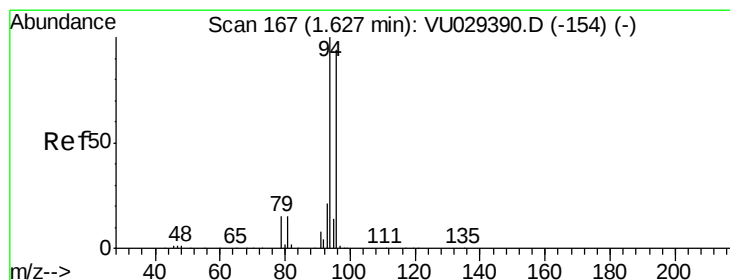
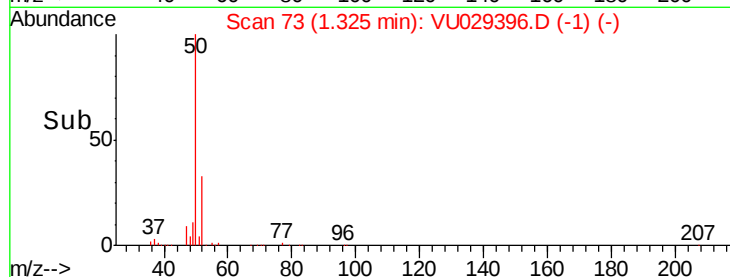
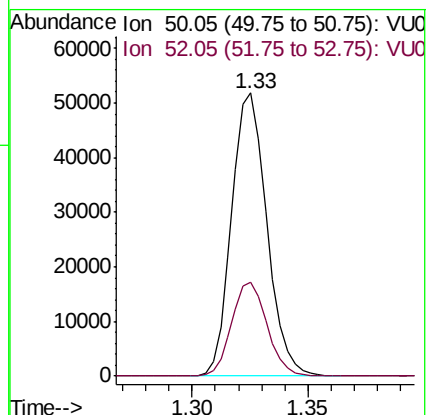
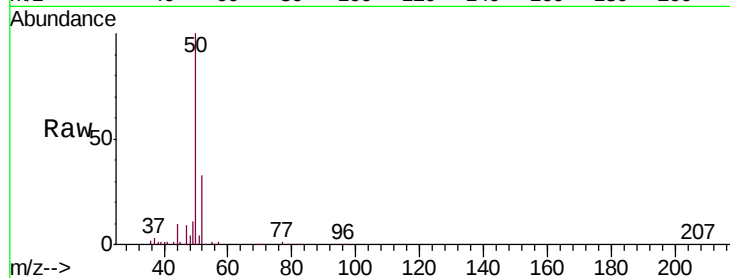
X2F71

Tgt Ion: 50 Resp: 54581

Ion Ratio Lower Upper

50 100

52 33.4 23.4 43.4



#6

Bromomethane

Concen: 3.722 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU029396.D

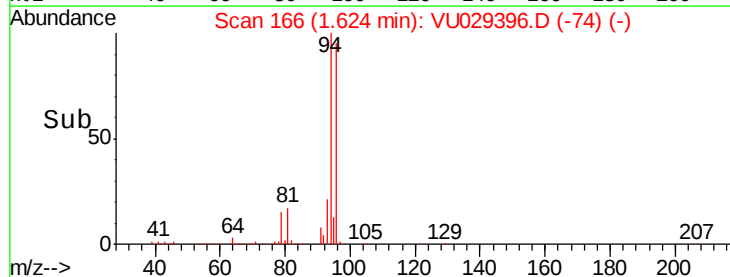
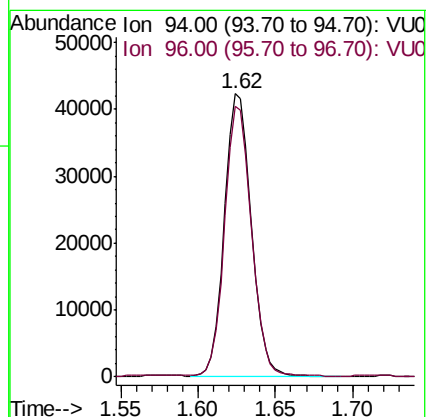
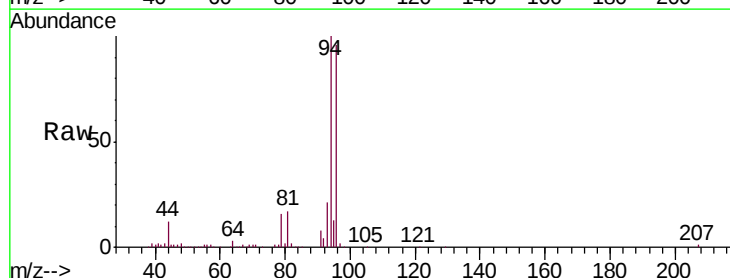
Acq: 11 Feb 2019 14:45

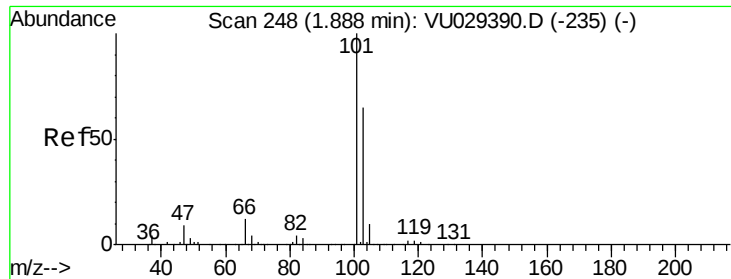
Tgt Ion: 94 Resp: 50543

Ion Ratio Lower Upper

94 100

96 95.6 66.1 122.7



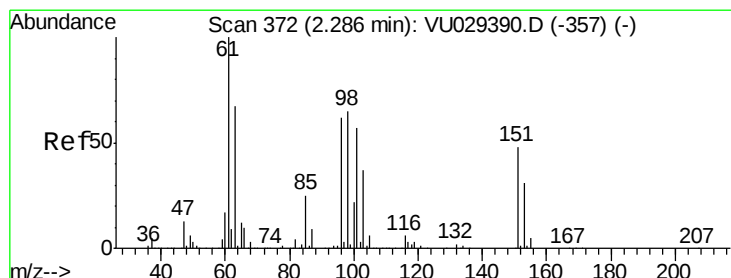
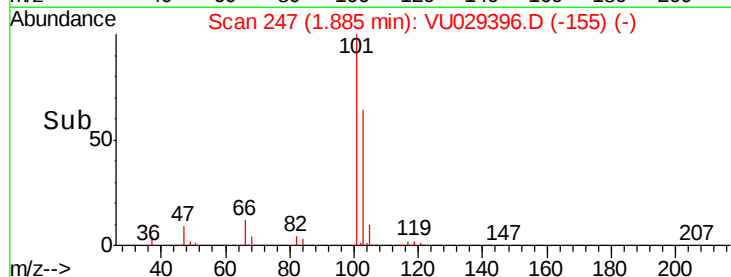
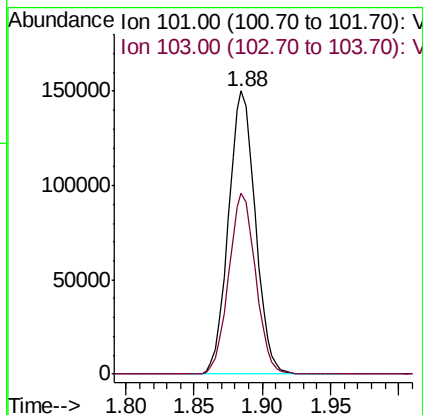
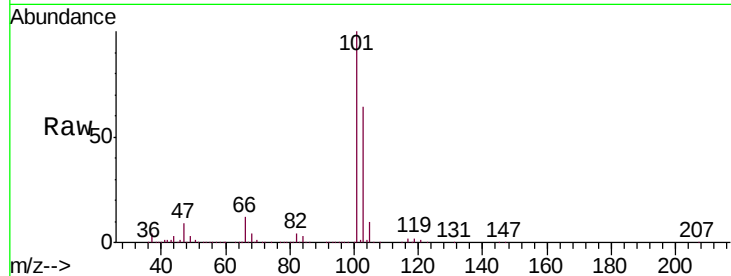


#9

Trichlorofluoromethane
Concen: 7.036 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument :
MSVOA_U
ClientSampled :
X2F71

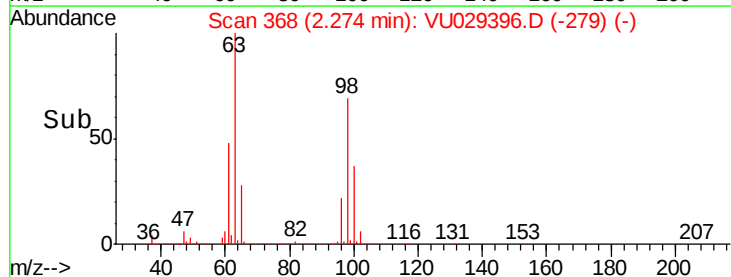
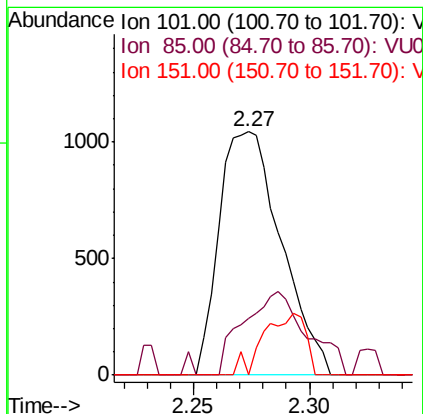
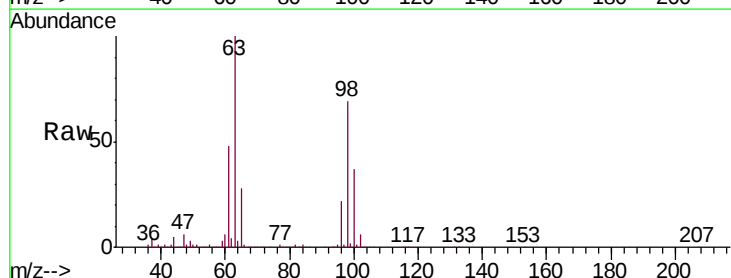
Tgt Ion:101 Resp: 205664
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.6

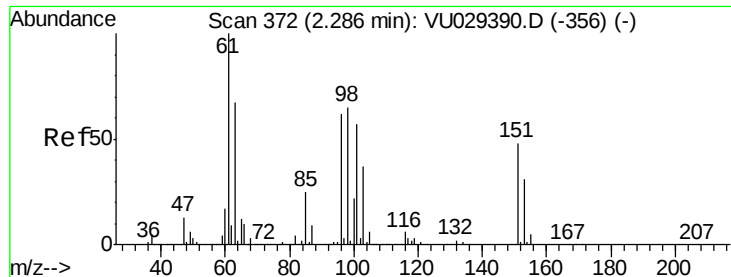


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.112 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.01 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion:101 Resp: 1945
Ion Ratio Lower Upper
101 100
85 35.2 34.9 52.3
151 17.2 67.0 100.4#





#12

1,1-Dichloroethene

Concen: 3.373 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029396.D

Acq: 11 Feb 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

X2F71

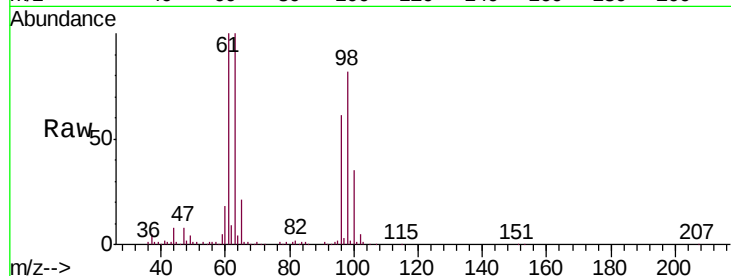
Tgt Ion: 96 Resp: 55061

Ion Ratio Lower Upper

96 100

61 163.7 112.4 208.8

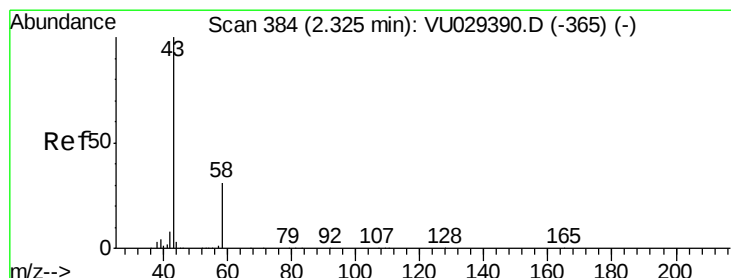
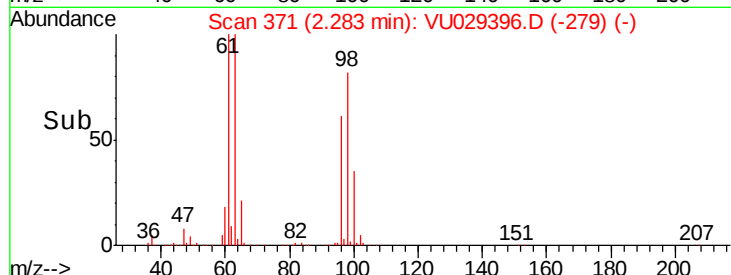
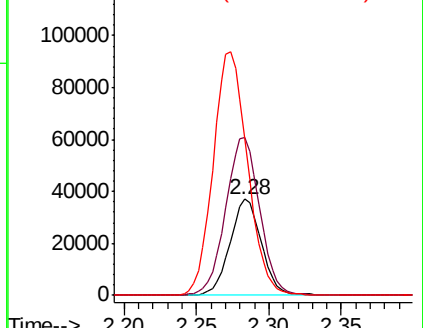
63 163.4 75.5 140.3#



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: 78.227 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029396.D

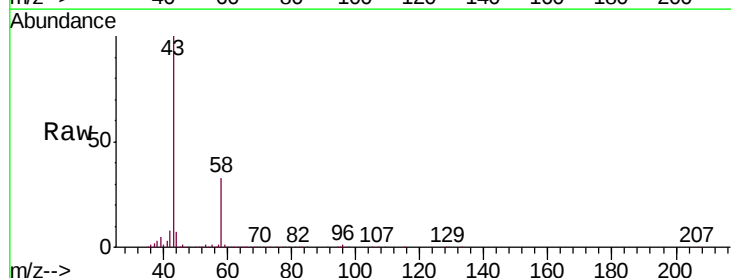
Acq: 11 Feb 2019 14:45

Tgt Ion: 43 Resp: 185385

Ion Ratio Lower Upper

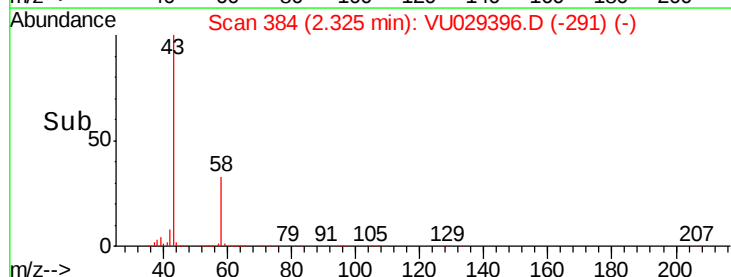
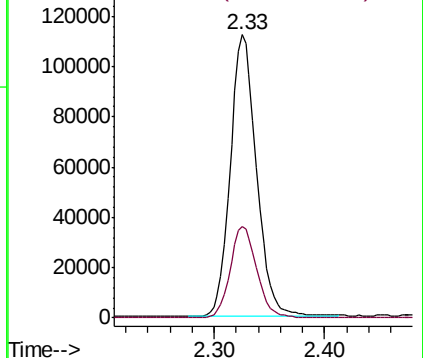
43 100

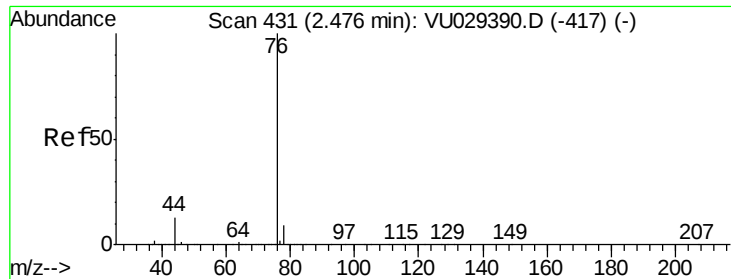
58 33.0 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 4.485 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029396.D

Acq: 11 Feb 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

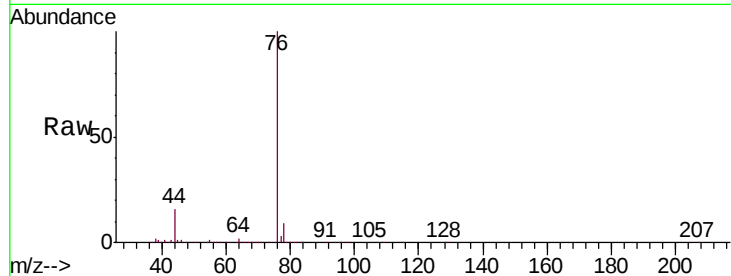
X2F71

Tgt Ion: 76 Resp: 246542

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU029396.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU029396.D (-417) (-)

2.48

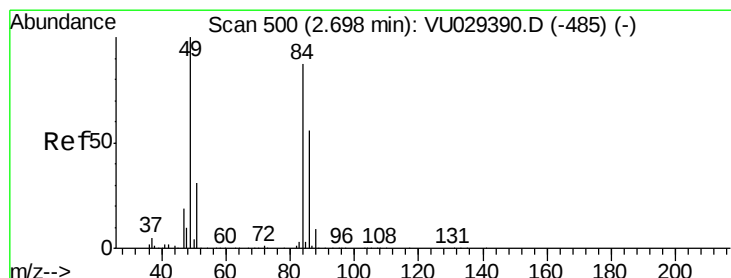
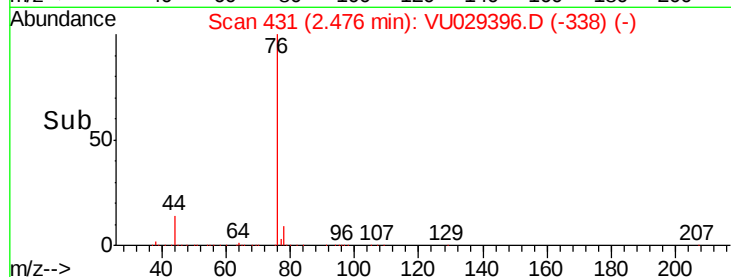
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 2.240 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029396.D

Acq: 11 Feb 2019 14:45

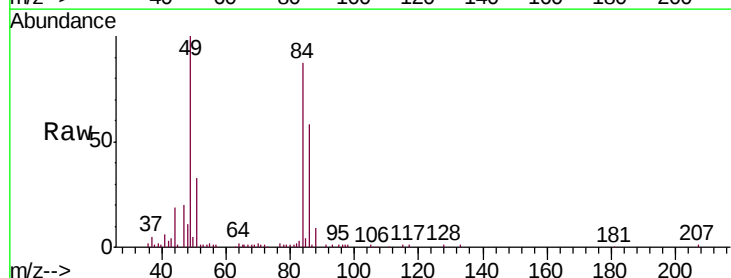
Tgt Ion: 84 Resp: 40198

Ion Ratio Lower Upper

84 100

86 66.3 44.7 82.9

49 114.4 80.4 149.2



Abundance Ion 84.05 (83.75 to 84.75): VU029396.D (-407) (-)

Ion 86.00 (85.70 to 86.70): VU029396.D (-407) (-)

Ion 49.10 (48.80 to 49.80): VU029396.D (-407) (-)

2.70

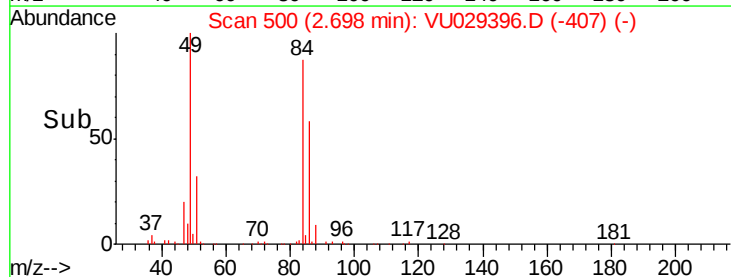
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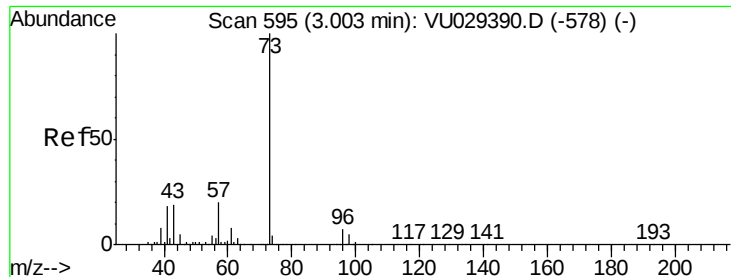
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Time-->

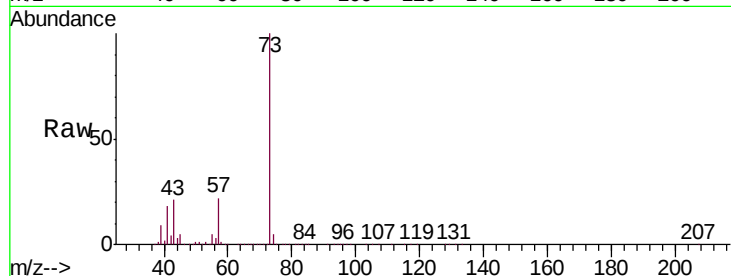




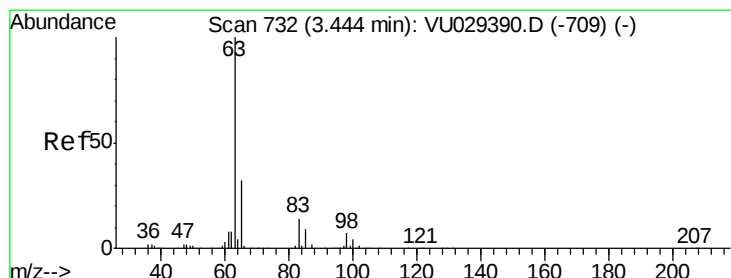
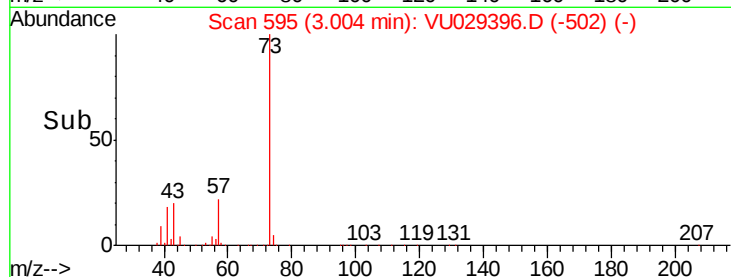
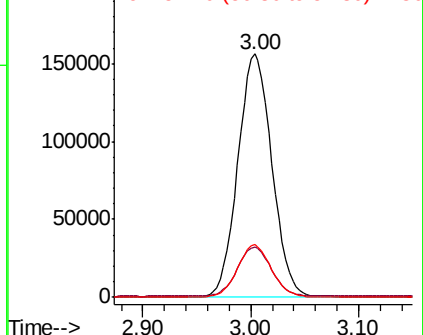
#17
Methyl tert-butyl Ether
Concen: 8.376 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument :
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ClientSampleId :
X2F71

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.8	15.9	23.9
57	21.1	16.9	25.3

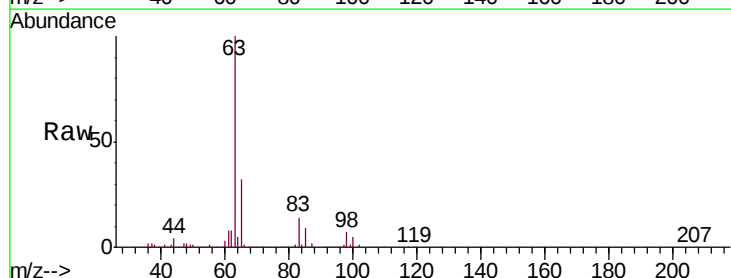


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

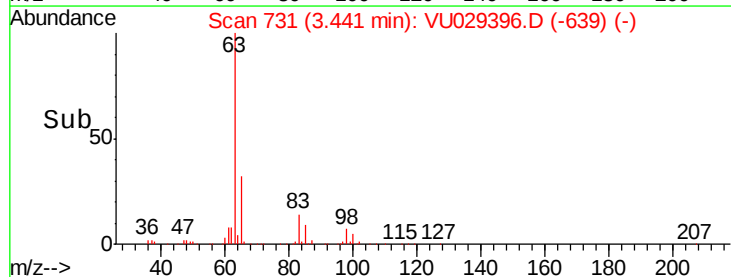
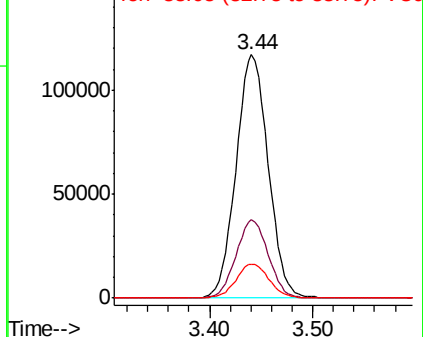


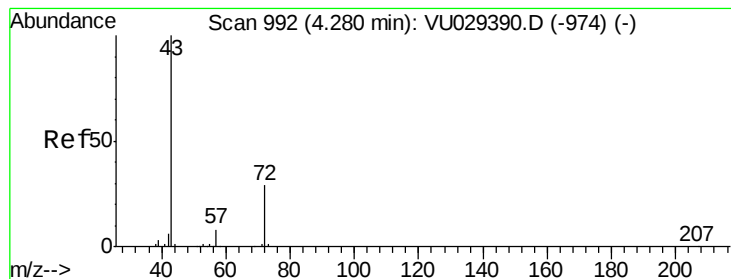
#19
1,1-Dichloroethane
Concen: 9.407 ug/L
RT: 3.44 min Scan# 731
Delta R.T. -0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.8	42.4
83	14.1	10.0	18.6



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





#21

2-Butanone

Concen: 120.856 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

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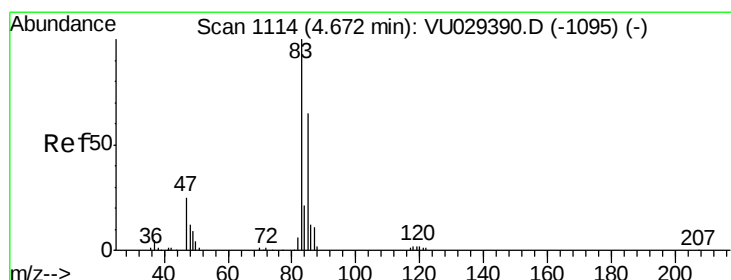
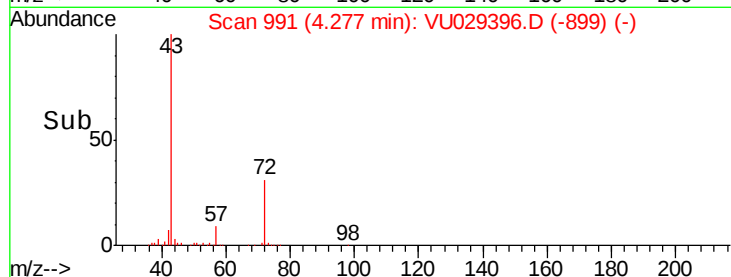
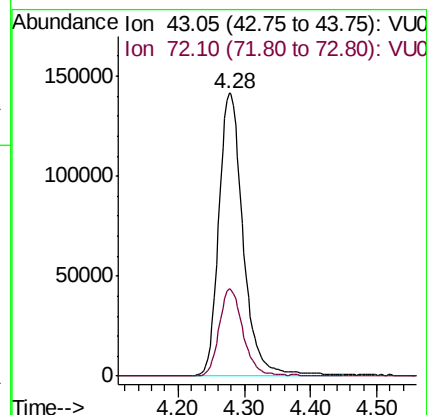
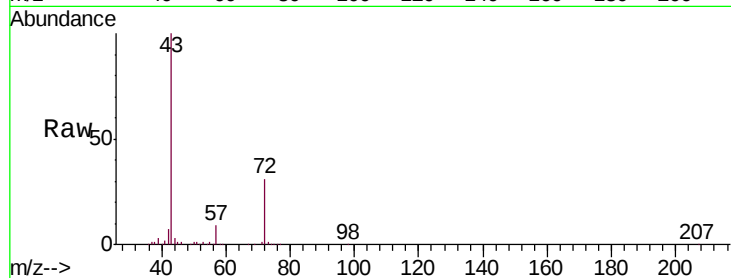
X2F71

Tgt Ion: 43 Resp: 355317

Ion Ratio Lower Upper

43 100

72 30.7 15.0 45.1



#25

Chloroform

Concen: 0.130 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029396.D

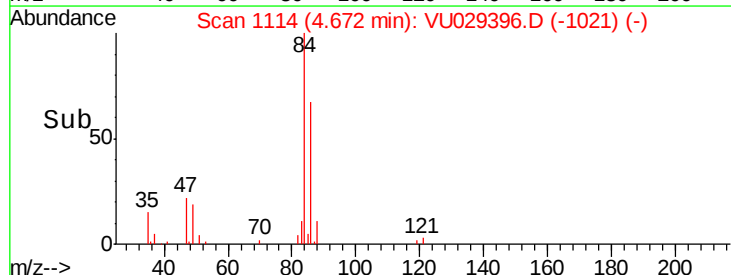
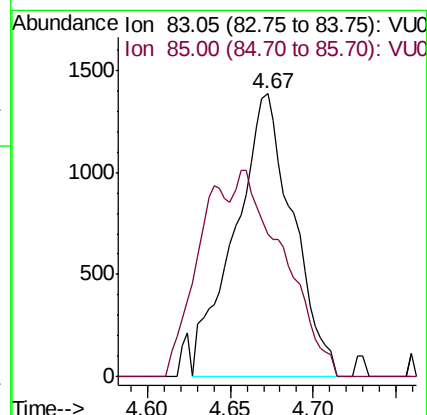
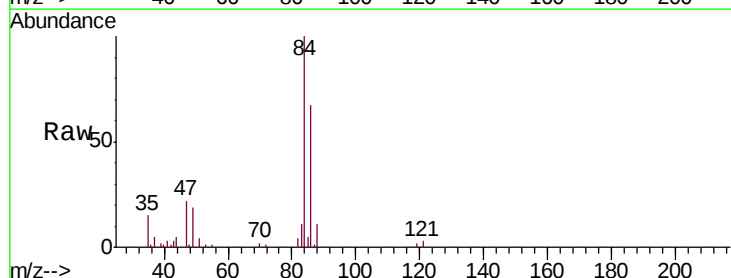
Acq: 11 Feb 2019 14:45

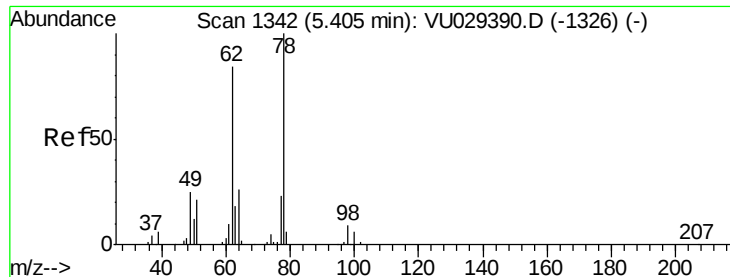
Tgt Ion: 83 Resp: 3350

Ion Ratio Lower Upper

83 100

85 50.5 45.7 84.9





#27

1,2-Dichloroethane

Concen: 7.076 ug/L

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029396.D

Acq: 11 Feb 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

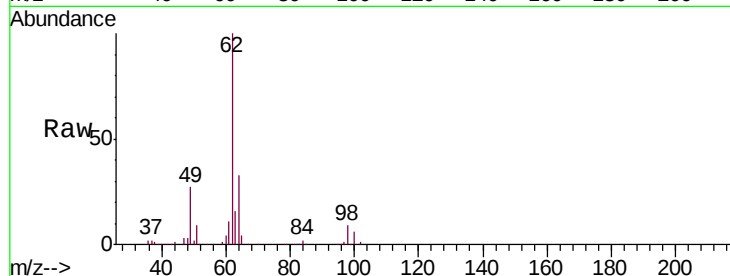
X2F71

Tgt Ion: 62 Resp: 107175

Ion Ratio Lower Upper

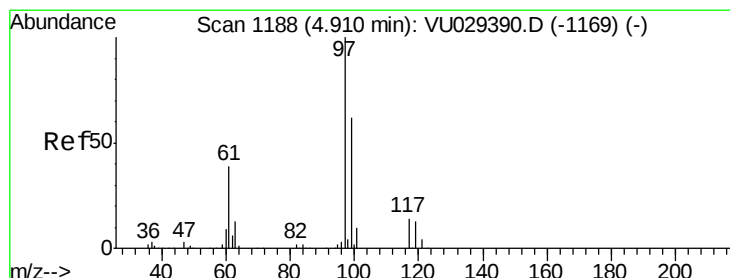
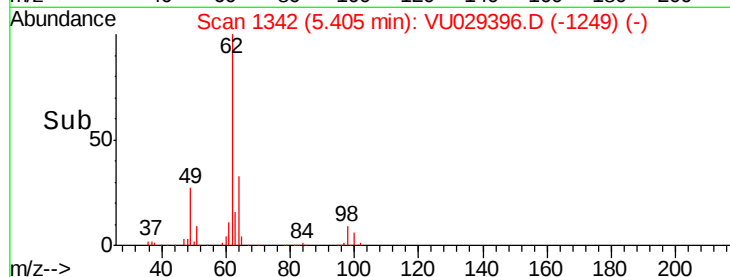
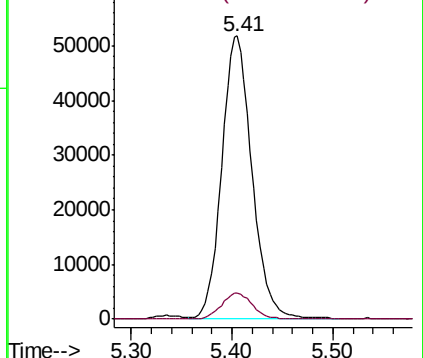
62 100

98 9.2 8.7 13.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#29

1,1,1-Trichloroethane

Concen: 8.405 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029396.D

Acq: 11 Feb 2019 14:45

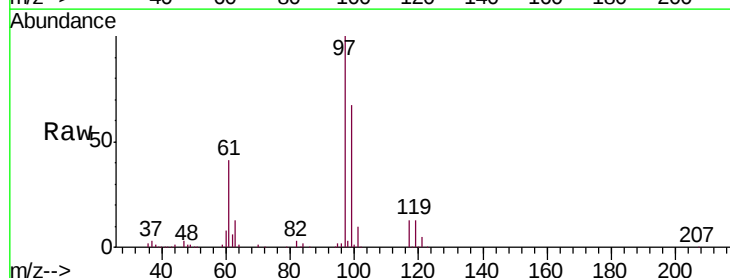
Tgt Ion: 97 Resp: 192250

Ion Ratio Lower Upper

97 100

99 66.0 50.9 76.3

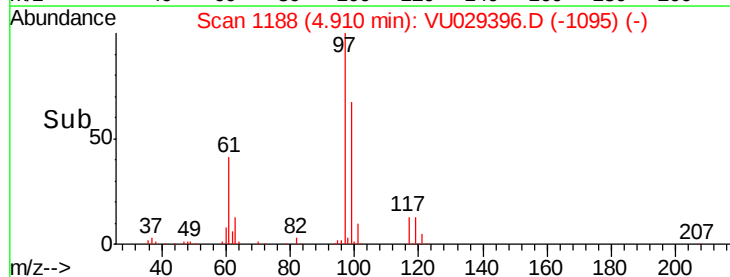
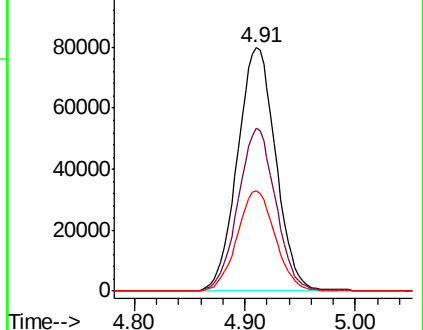
61 41.1 32.0 48.0

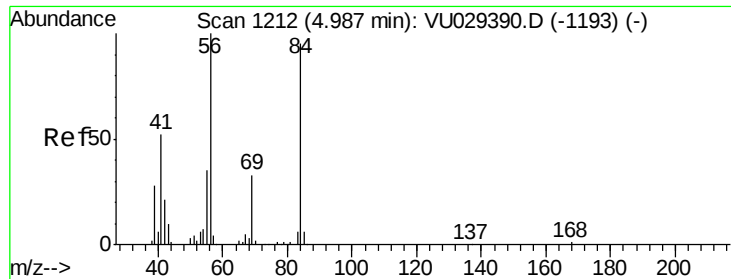


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0

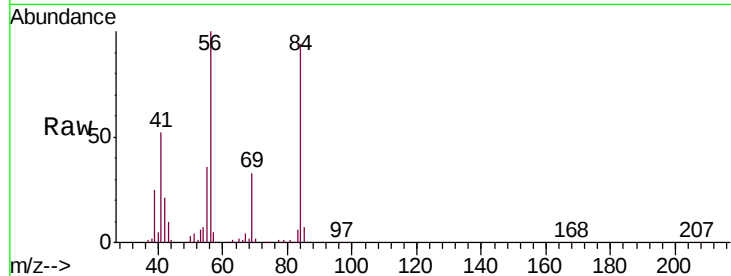




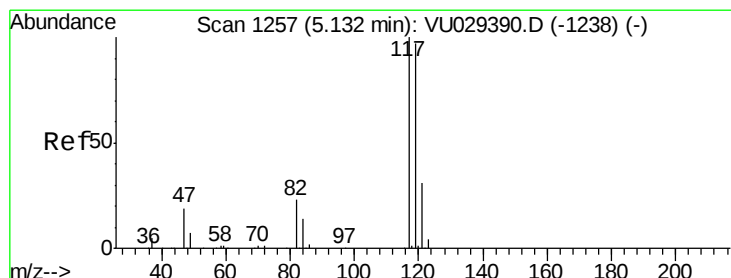
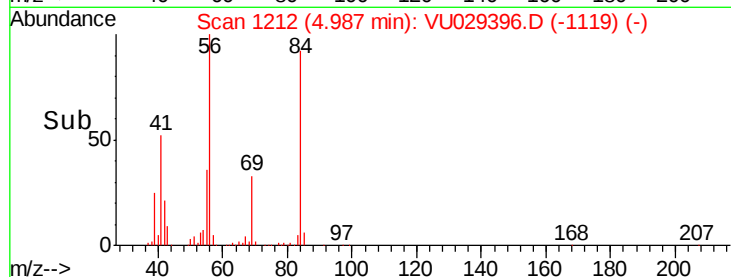
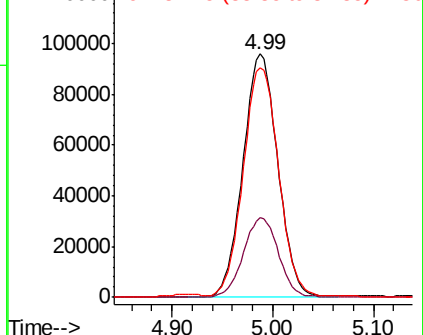
#30
Cyclohexane
Concen: 10.590 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Instrument :
MSVOA_U
ClientSampleId :
X2F71

Tgt Ion: 56 Resp: 230223
Ion Ratio Lower Upper
56 100
69 33.0 26.8 40.2
84 95.0 78.7 118.1

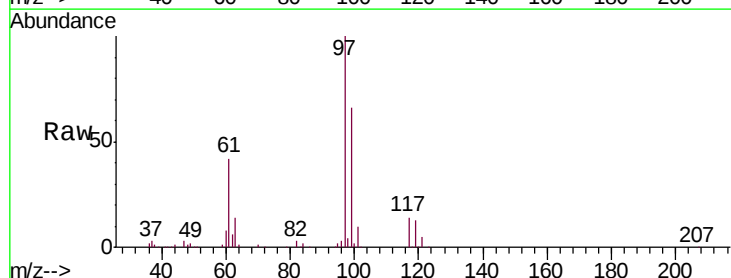


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0



#31
Carbon tetrachloride
Concen: 1.251 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.22 min
Lab File: VU029396.D
Acq: 11 Feb 2019 14:45

Tgt Ion: 117 Resp: 26248
Ion Ratio Lower Upper
117 100
119 96.6 78.2 117.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

