

Data File : VU029769.D
Acq On : 01 Mar 2019 17:41
Operator : JC/SP
Sample : K1660-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWK01

Quant Time: Mar 01 22:18:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 22:12:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	230731	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	225589	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	114423	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	86225	5.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.40%
7) Chloroethane-d5	1.68	69	68498	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.27	63	120111	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	4.19	46	174555	51.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.48%
24) Chloroform-d	4.64	84	134159	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.31	65	67677	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.34	84	298191	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.33	67	87390	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.56	98	273857	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.85	79	32545	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.31	63	168637	49.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	70732	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	112871	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	13252	0.851 ug/L	95
5) Vinyl chloride	1.40	62	2166	0.110 ug/L #	1
8) Chloroethane	1.89	64	1301	0.102 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1270	0.071 ug/L #	17
12) 1,1-Dichloroethene	2.28	96	3175	0.185 ug/L #	1
13) Acetone	2.32	43	9655	3.945 ug/L	100
14) Carbon disulfide	2.48	76	1107643	19.703 ug/L	100
15) Methyl Acetate	2.45	43	5146	0.721 ug/L #	48
18) trans-1,2-Dichloroethene	2.97	96	1437	0.077 ug/L	76
19) 1,1-Dichloroethane	3.44	63	2275	0.078 ug/L #	86
22) cis-1,2-Dichloroethene	4.22	96	131436	7.705 ug/L	97
25) Chloroform	4.67	83	4822	0.166 ug/L	93
34) Trichloroethene	6.18	95	20309	1.220 ug/L	99
37) 1,2-Dichloropropane	6.33	63	8707	0.580 ug/L #	86
39) cis-1,3-Dichloropropene	7.22	75	2204	0.100 ug/L #	81
40) 4-Methyl-2-pentanone	7.47	43	2453	0.291 ug/L #	77
42) Toluene	7.63	91	143351	2.120 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030119\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 22:12:01 2019
Response via : Initial Calibration

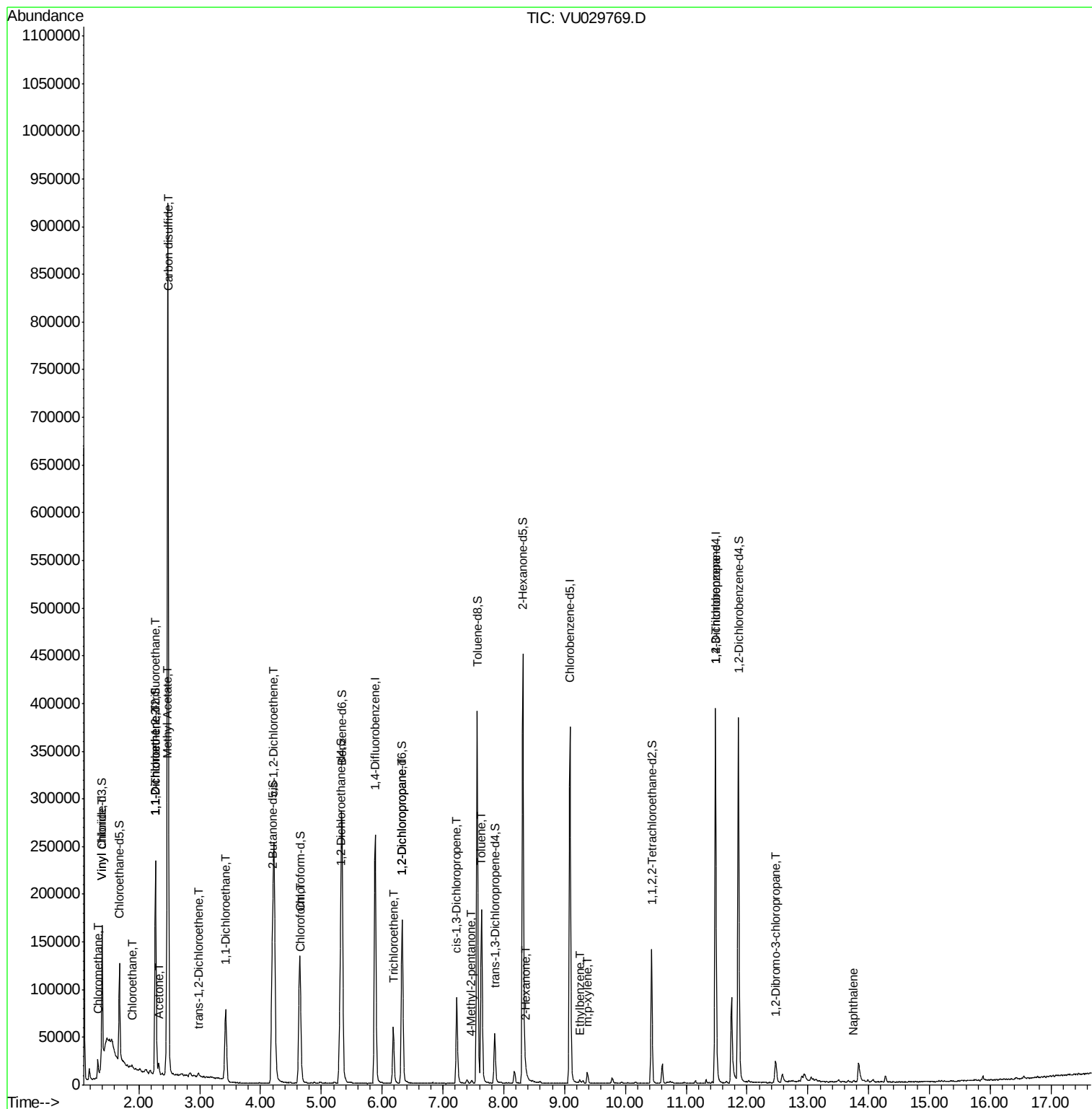
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.37	43	3233	0.524	ug/L #	51
52) Ethylbenzene	9.25	91	3061	0.040	ug/L	94
53) m,p-xylene	9.38	106	3610	0.119	ug/L	91
59) 1,2,3-Trichloropropane	11.48	75	12588	1.255	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	554	0.269	ug/L #	1
69) Naphthalene	13.75	128	2112	0.055	ug/L #	75

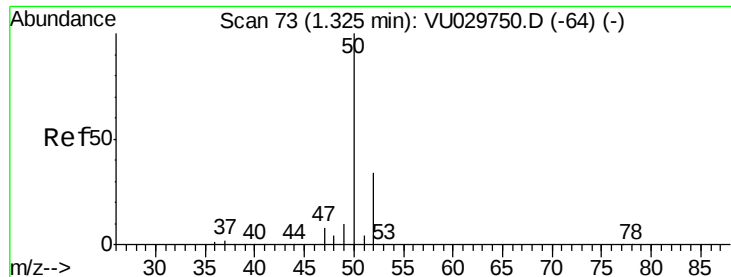
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.851 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

Instrument :

MSVOA_U

ClientSampled :

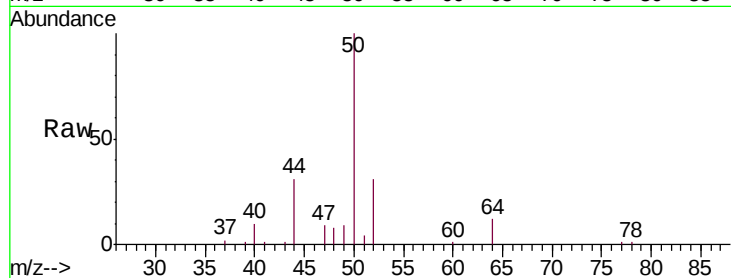
CWK01

Tgt Ion: 50 Resp: 13252

Ion Ratio Lower Upper

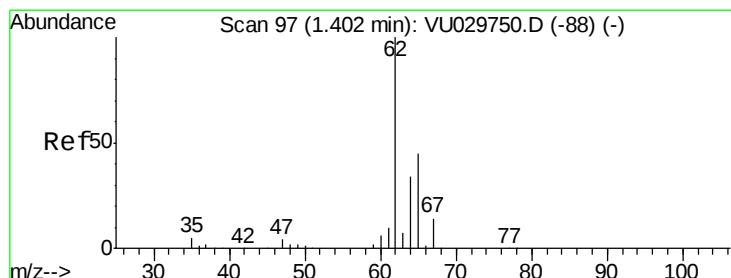
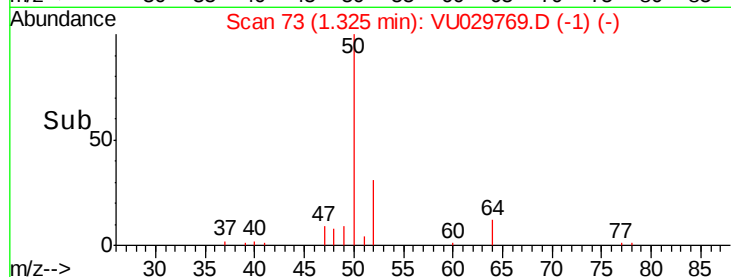
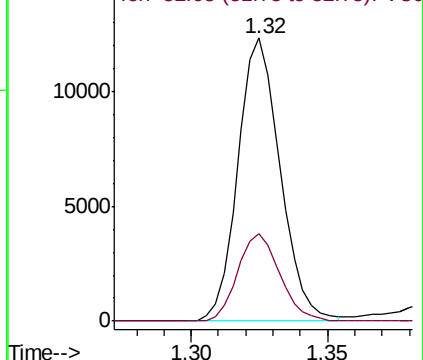
50 100

52 30.7 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.110 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029769.D

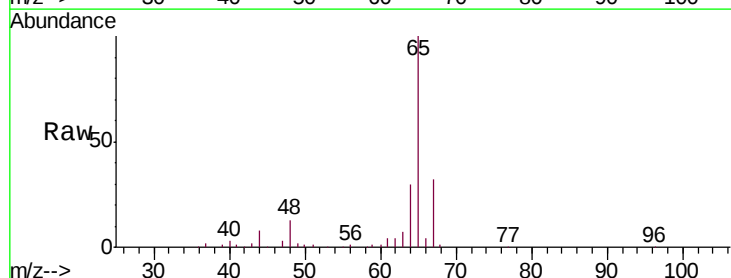
Acq: 01 Mar 2019 17:41

Tgt Ion: 62 Resp: 2166

Ion Ratio Lower Upper

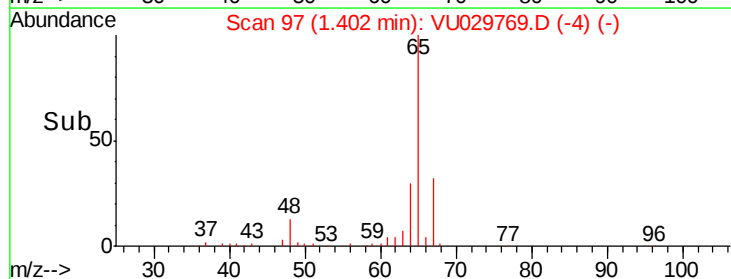
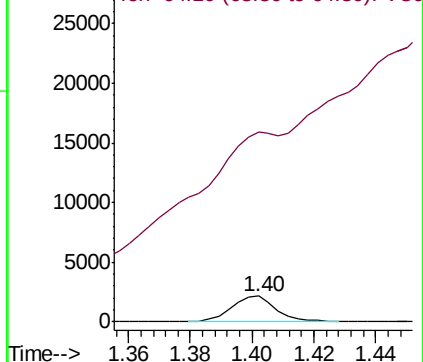
62 100

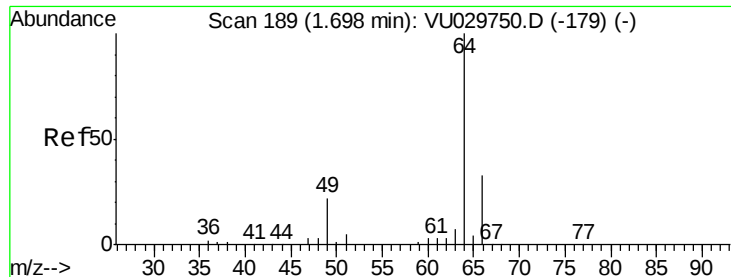
64 744.3 24.8 46.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.102 ug/L

RT: 1.89 min Scan# 248

Delta R.T. 0.19 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

Instrument :

MSVOA_U

ClientSampleId :

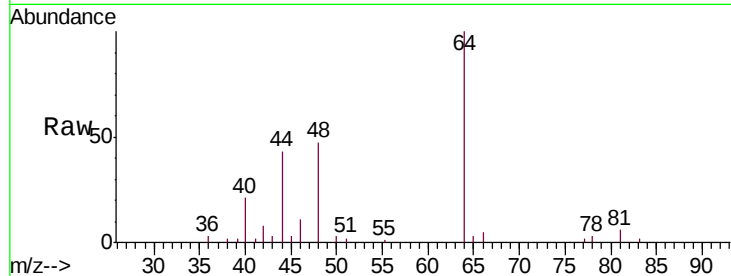
CWK01

Tgt Ion: 64 Resp: 1301

Ion Ratio Lower Upper

64 100

66 5.2 21.4 39.8#

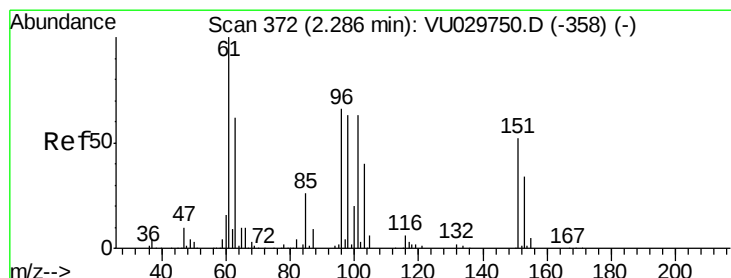
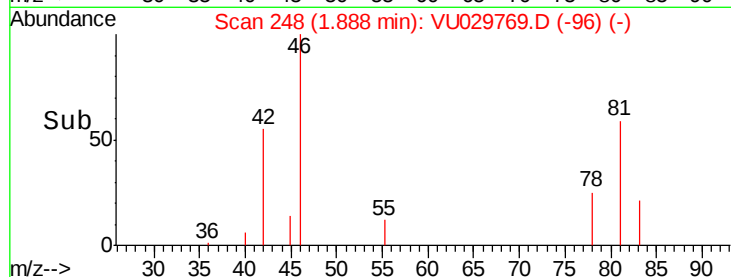


Abundance Ion 64.10 (63.80 to 64.80): VU029750.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU029750.D (-179) (-)

1.89

Time-->



#10

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

Concen: 0.071 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

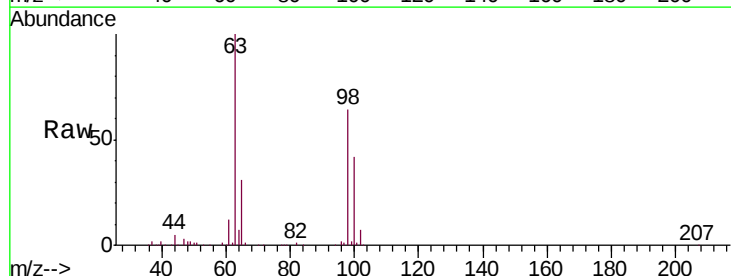
Tgt Ion: 101 Resp: 1270

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

151 0.0 65.9 98.9#



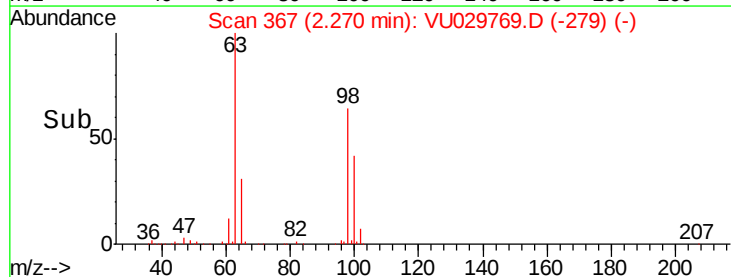
Abundance Ion 101.00 (100.70 to 101.70): VU029750.D (-358) (-)

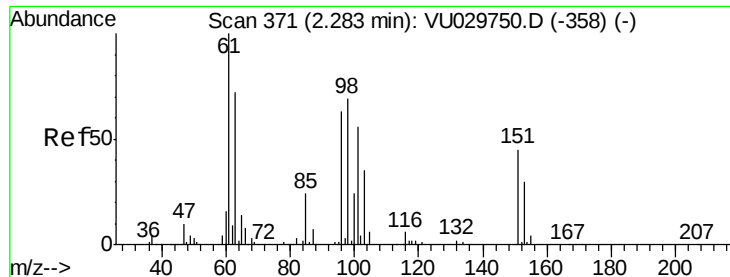
Ion 85.00 (84.70 to 85.70): VU029750.D (-358) (-)

Ion 151.00 (150.70 to 151.70): VU029750.D (-358) (-)

2.27

Time-->





#12

1,1-Dichloroethene

Concen: 0.185 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

Instrument :

MSVOA_U

ClientSampleId :

CWK01

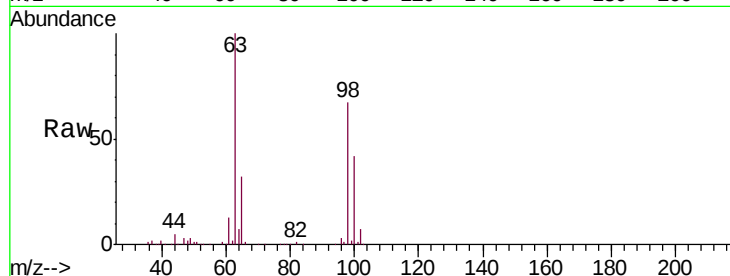
Tgt Ion: 96 Resp: 3175

Ion Ratio Lower Upper

96 100

61 498.7 111.3 206.7#

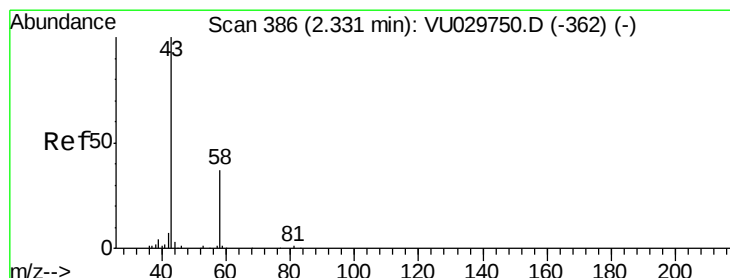
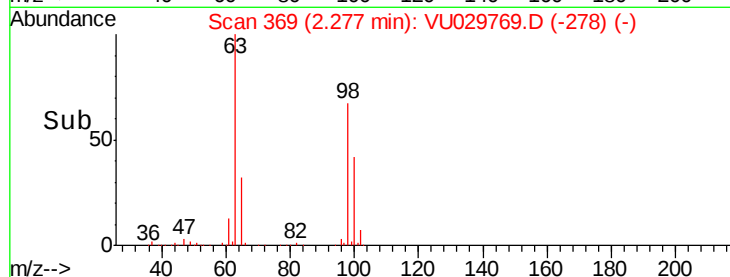
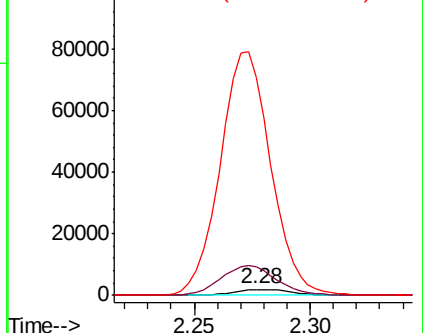
63 3824.6 88.5 164.3#



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: 3.945 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VU029769.D

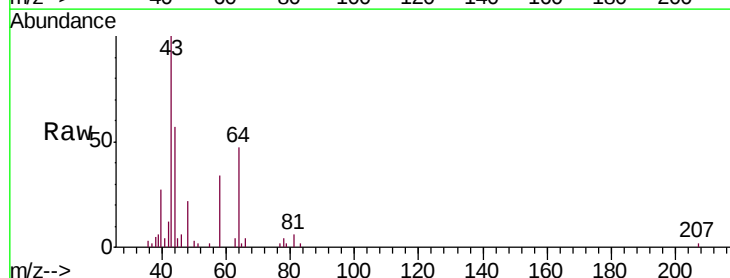
Acq: 01 Mar 2019 17:41

Tgt Ion: 43 Resp: 9655

Ion Ratio Lower Upper

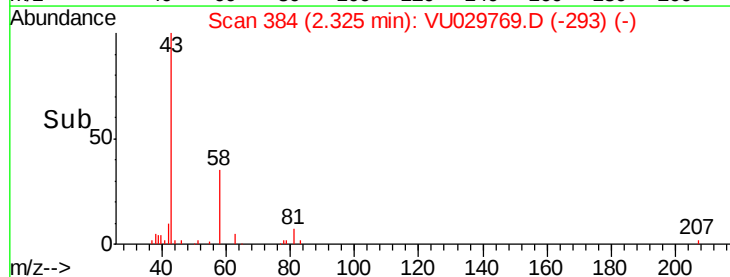
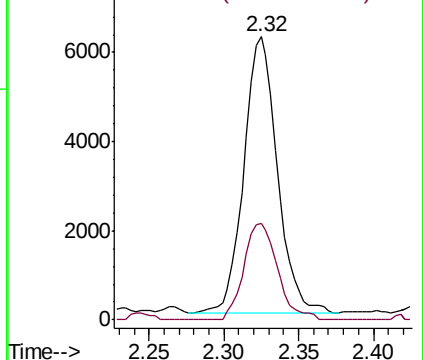
43 100

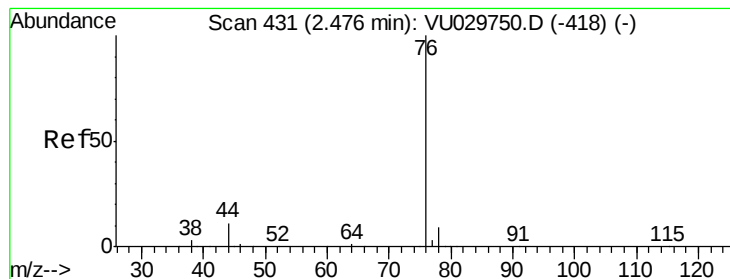
58 35.1 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 19.703 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

Instrument :

MSVOA_U

ClientSampleId :

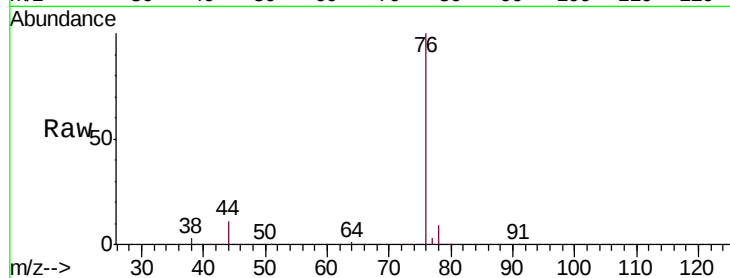
CWK01

Tgt Ion: 76 Resp: 1107643

Ion Ratio Lower Upper

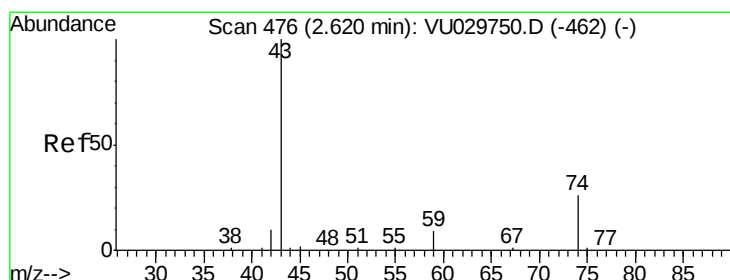
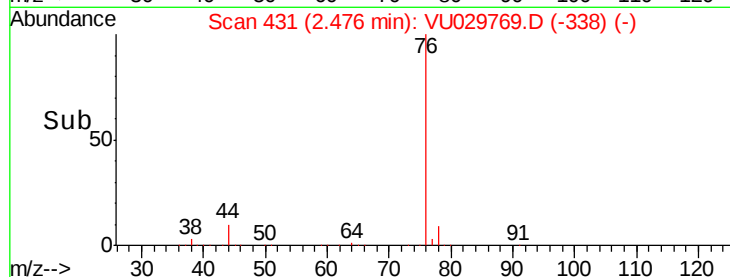
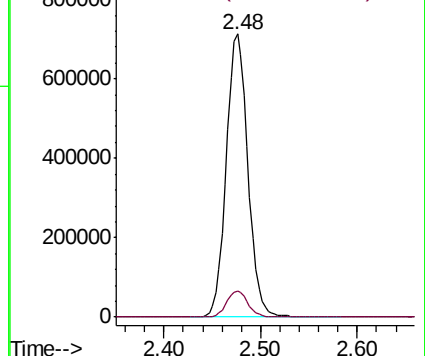
76 100

78 9.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methyl Acetate

Concen: 0.721 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.17 min

Lab File: VU029769.D

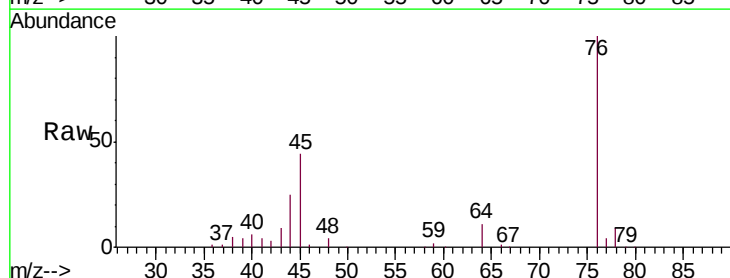
Acq: 01 Mar 2019 17:41

Tgt Ion: 43 Resp: 5146

Ion Ratio Lower Upper

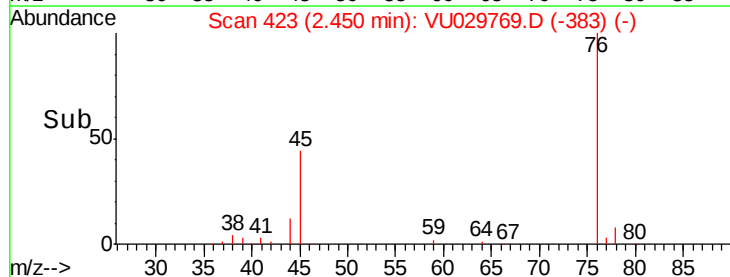
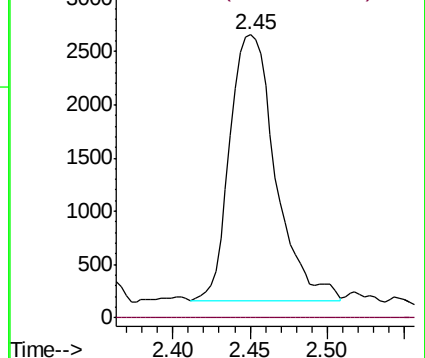
43 100

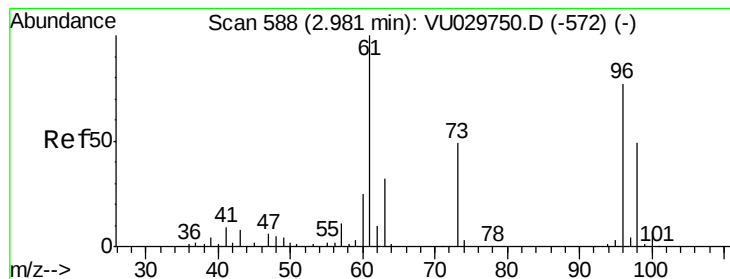
74 0.0 21.6 32.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.077 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.01 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

Instrument :

MSVOA_U

ClientSampled :

CWK01

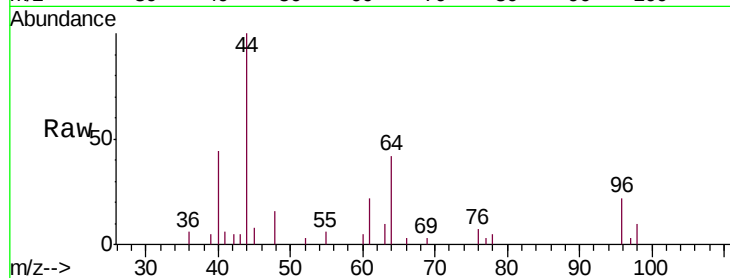
Tgt Ion: 96 Resp: 1437

Ion Ratio Lower Upper

96 100

61 99.7 90.3 167.7

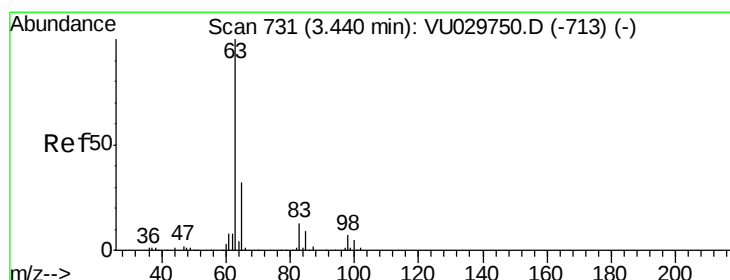
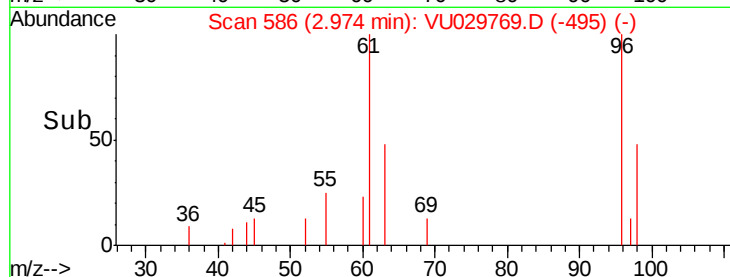
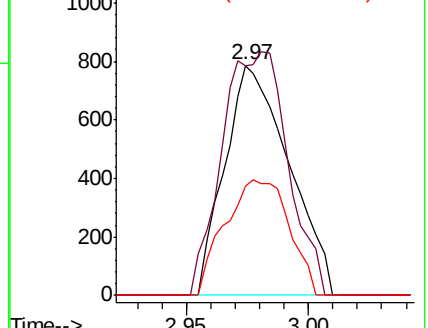
98 47.6 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU029769.D (-495) (-)

Ion 61.05 (60.75 to 61.75): VU029769.D (-495) (-)

Ion 97.95 (97.65 to 98.65): VU029769.D (-495) (-)



#19

1,1-Dichloroethane

Concen: 0.078 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

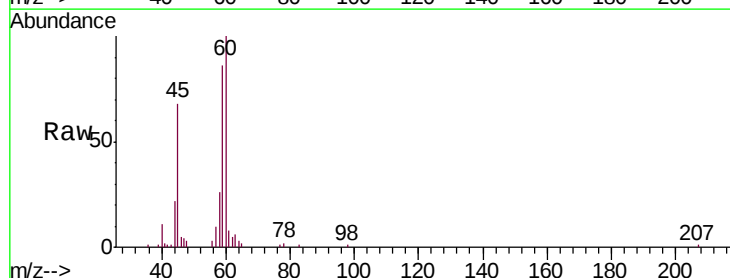
Tgt Ion: 63 Resp: 2275

Ion Ratio Lower Upper

63 100

65 37.4 22.3 41.5

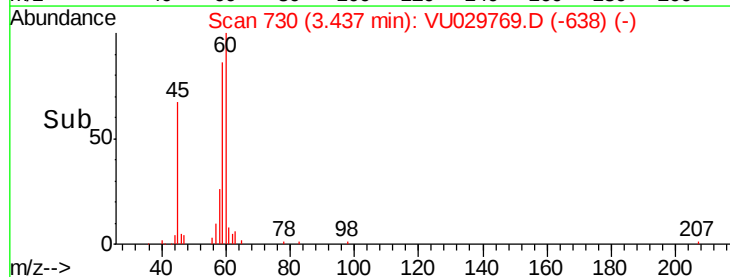
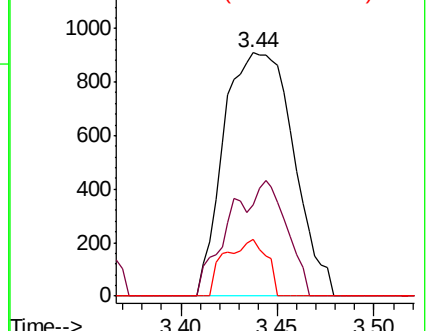
83 23.2 9.9 18.5#

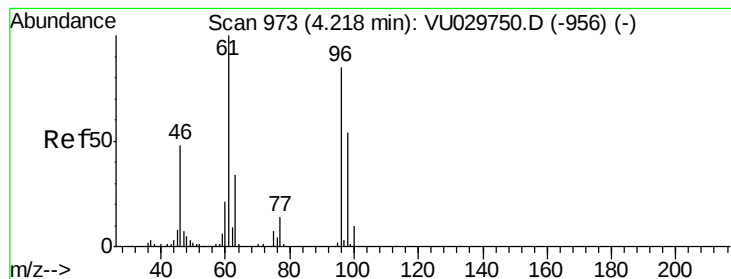


Abundance Ion 63.10 (62.80 to 63.80): VU029769.D (-638) (-)

Ion 65.10 (64.80 to 65.80): VU029769.D (-638) (-)

Ion 83.05 (82.75 to 83.75): VU029769.D (-638) (-)



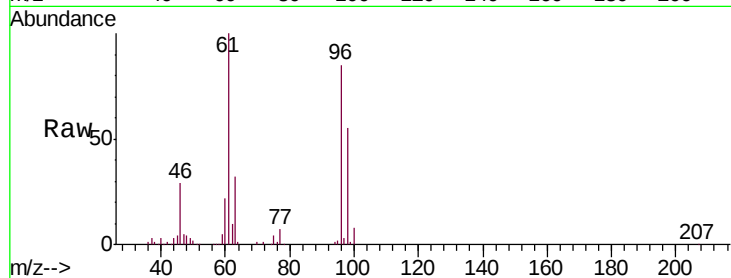


#22

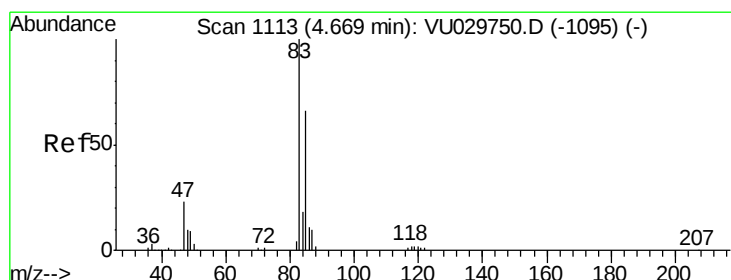
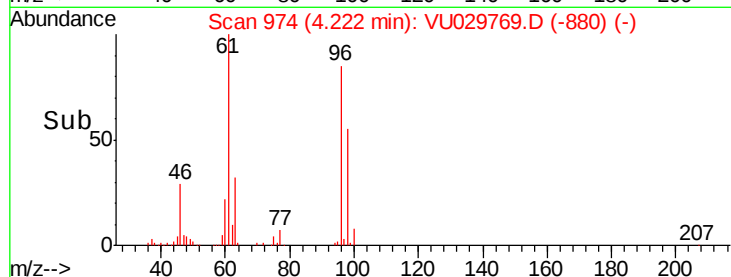
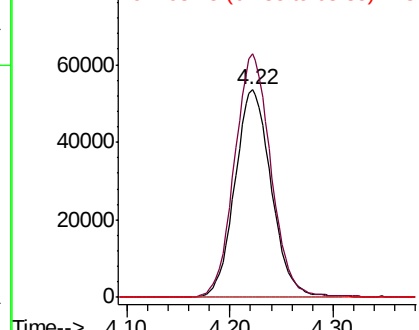
cis-1,2-Dichloroethene
 Concen: 7.705 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029769.D
 Acq: 01 Mar 2019 17:41

Instrument :
 MSVOA_U
 ClientSampled :
 CWK01

Tgt Ion: 96 Resp: 131436
 Ion Ratio Lower Upper
 96 100
 61 117.4 80.2 149.0
 68 0.0 0.0 0.0



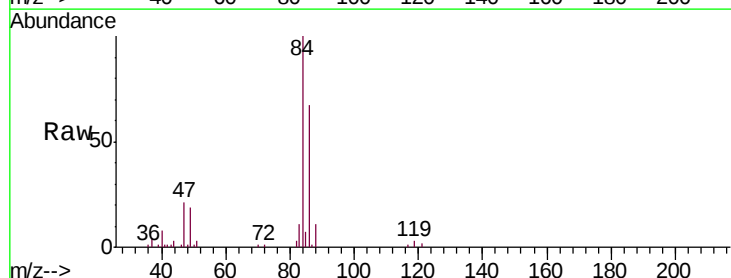
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



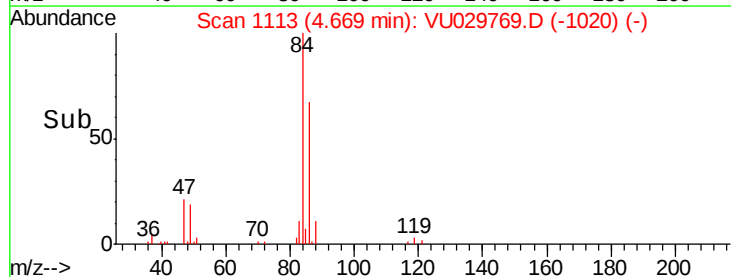
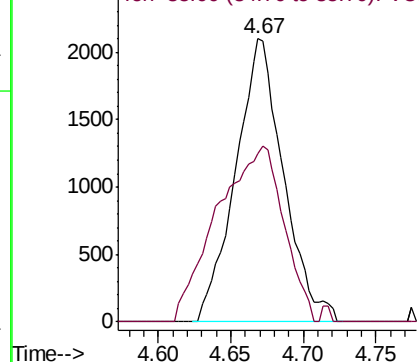
#25

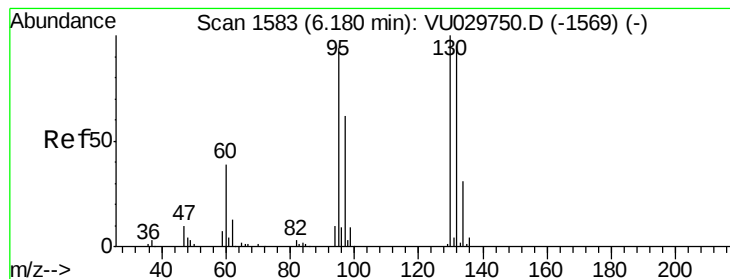
Chloroform
 Concen: 0.166 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU029769.D
 Acq: 01 Mar 2019 17:41

Tgt Ion: 83 Resp: 4822
 Ion Ratio Lower Upper
 83 100
 85 59.6 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: 1.220 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

Instrument :

MSVOA_U

ClientSampleId :

CWK01

Tgt Ion: 95 Resp: 20309

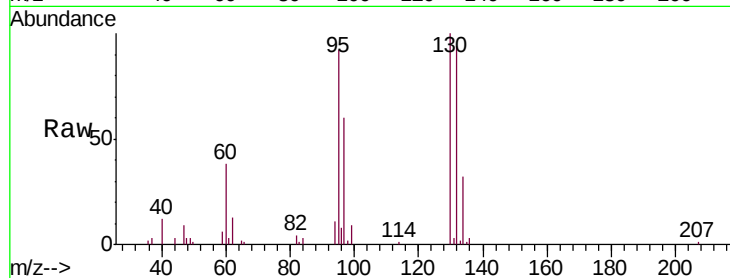
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.8

132 102.1 72.9 135.3

130 109.2 77.5 143.9

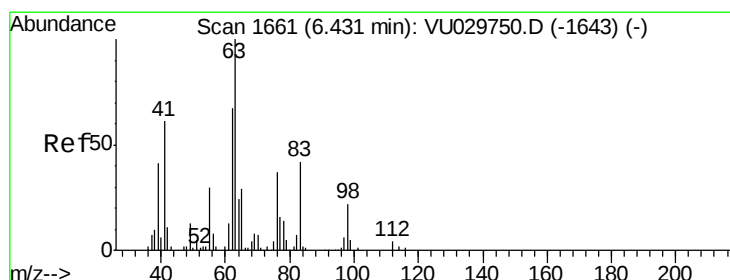
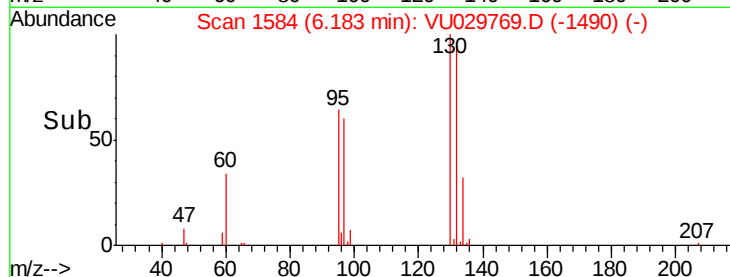
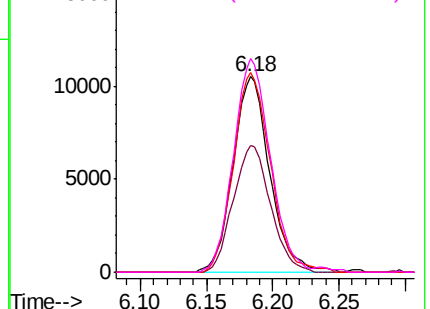


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 0.580 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU029769.D

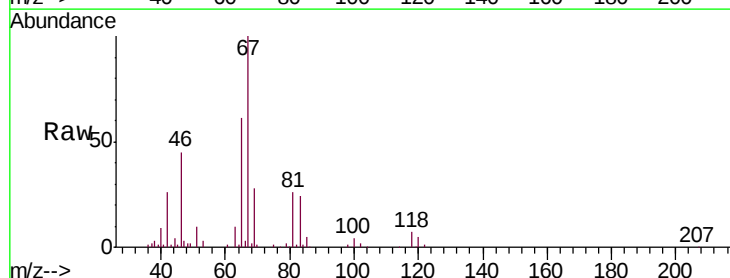
Acq: 01 Mar 2019 17:41

Tgt Ion: 63 Resp: 8707

Ion Ratio Lower Upper

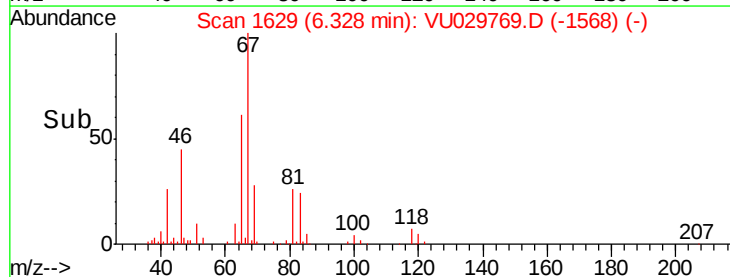
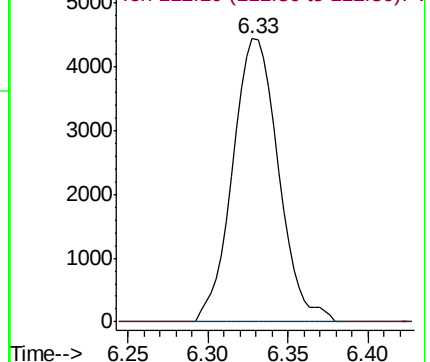
63 100

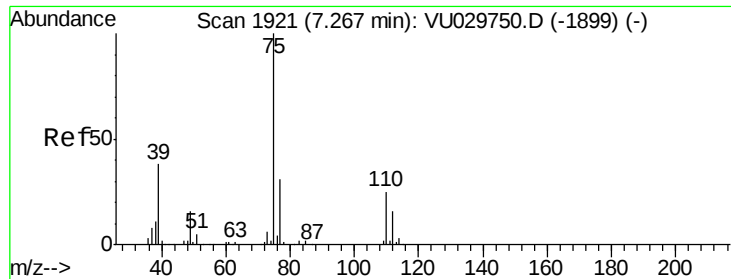
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

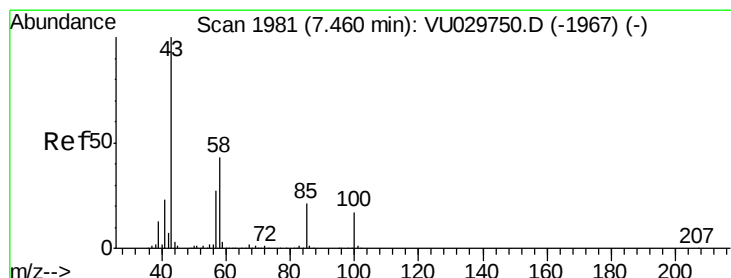
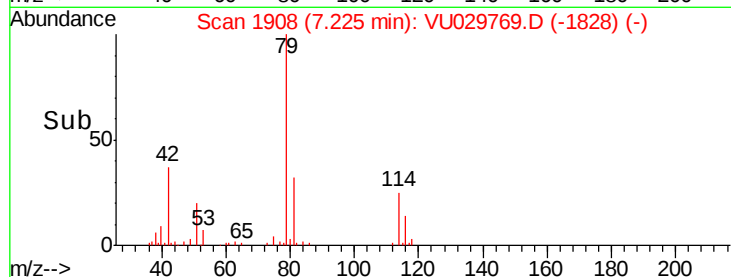
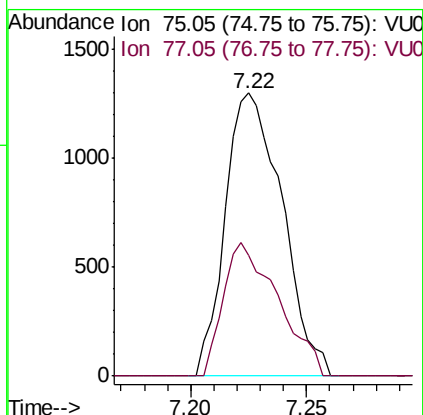
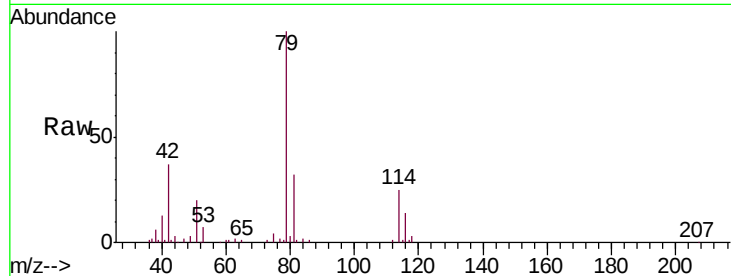




#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029769.D
 Acq: 01 Mar 2019 17:41

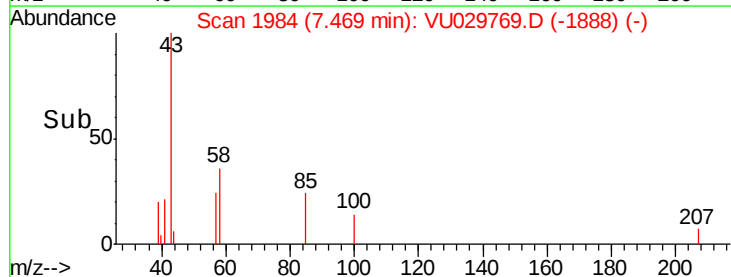
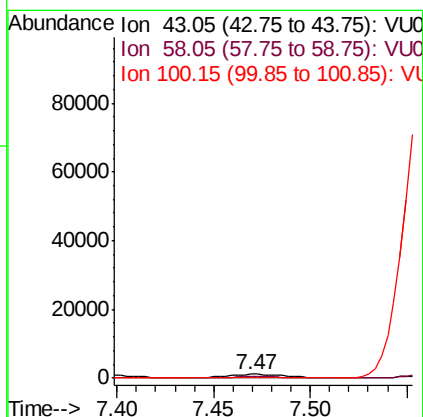
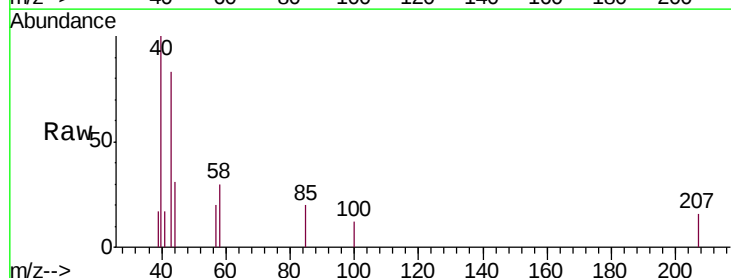
Instrument :
 MSVOA_U
 ClientSampled :
 CWK01

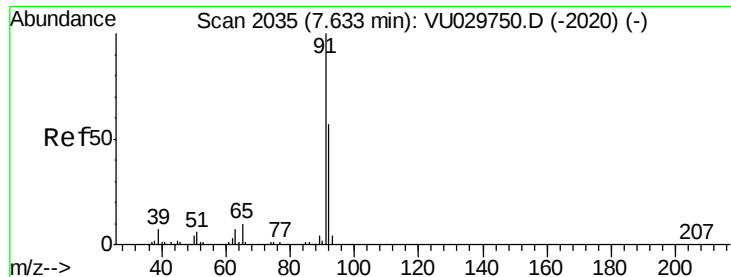
Tgt Ion: 75 Resp: 2204
 Ion Ratio Lower Upper
 75 100
 77 42.5 22.3 41.5#



#40
 4-Methyl-2-pentanone
 Concen: 0.291 ug/L
 RT: 7.47 min Scan# 1984
 Delta R.T. 0.01 min
 Lab File: VU029769.D
 Acq: 01 Mar 2019 17:41

Tgt Ion: 43 Resp: 2453
 Ion Ratio Lower Upper
 43 100
 58 32.4 33.8 50.8#
 100 0.0 14.2 21.2#





#42

Toluene

Concen: 2.120 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

Instrument :

MSVOA_U

ClientSampleId :

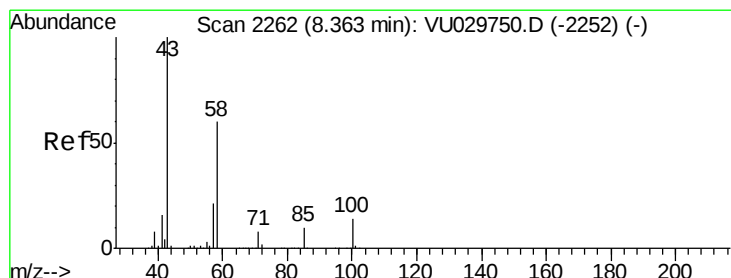
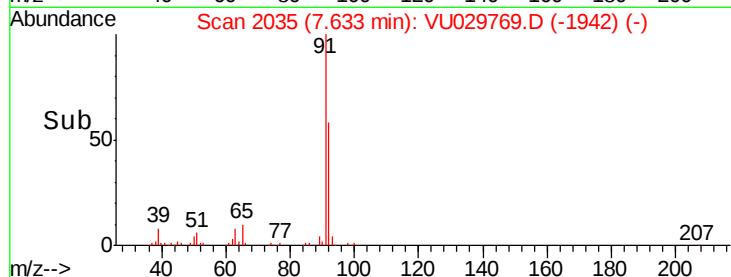
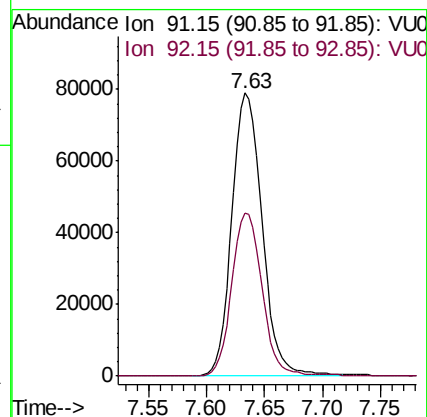
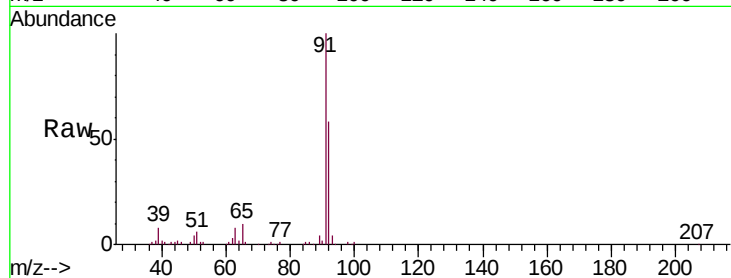
CWK01

Tgt Ion: 91 Resp: 143351

Ion Ratio Lower Upper

91 100

92 57.6 40.1 74.5



#48

2-Hexanone

Concen: 0.524 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

Tgt Ion: 43 Resp: 3233

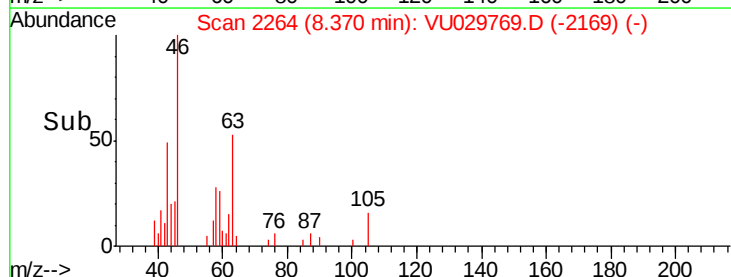
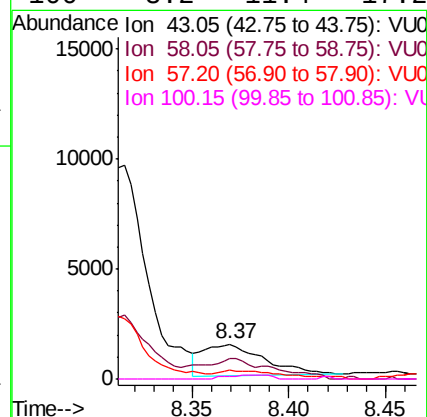
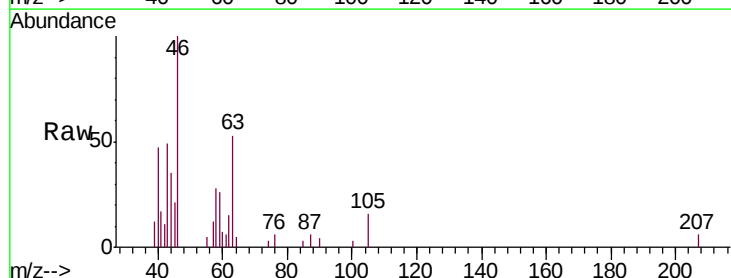
Ion Ratio Lower Upper

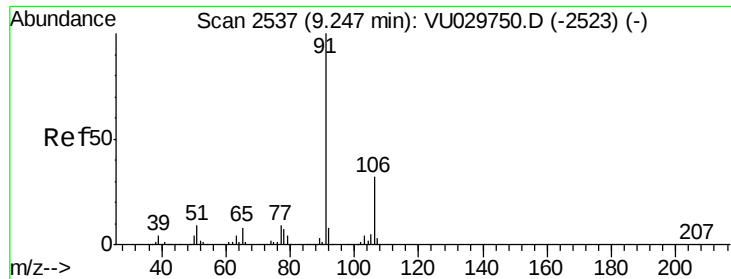
43 100

58 14.1 46.6 69.8#

57 0.0 15.9 23.9#

100 8.2 11.4 17.2#





#52

Ethylbenzene

Concen: 0.040 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029769.D

Acq: 01 Mar 2019 17:41

Instrument :

MSVOA_U

ClientSampleId :

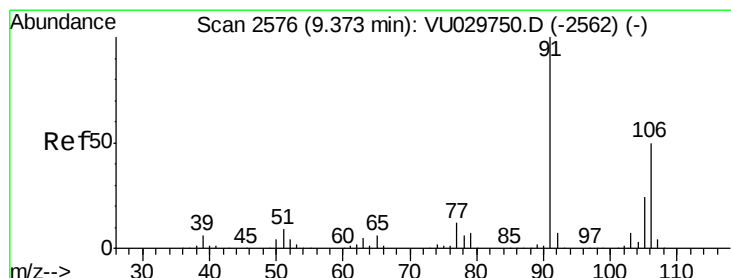
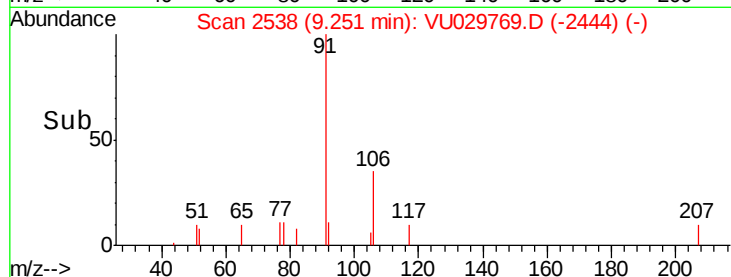
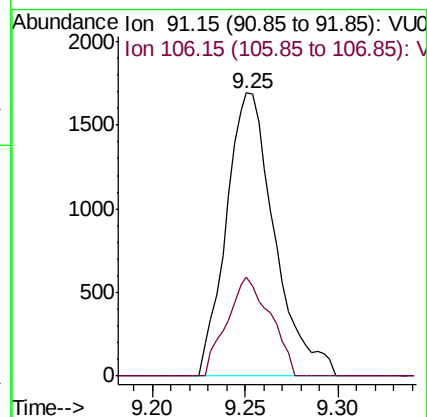
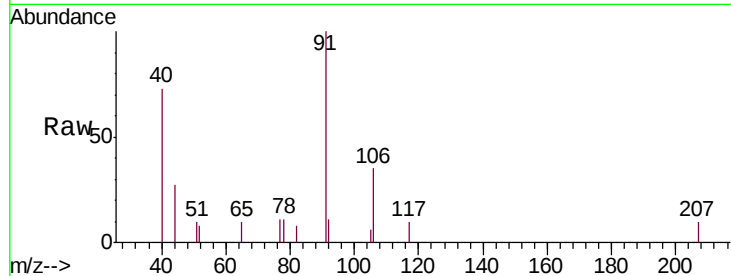
CWK01

Tgt Ion: 91 Resp: 3061

Ion Ratio Lower Upper

91 100

106 34.8 22.1 41.1



#53

m,p-xylene

Concen: 0.119 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029769.D

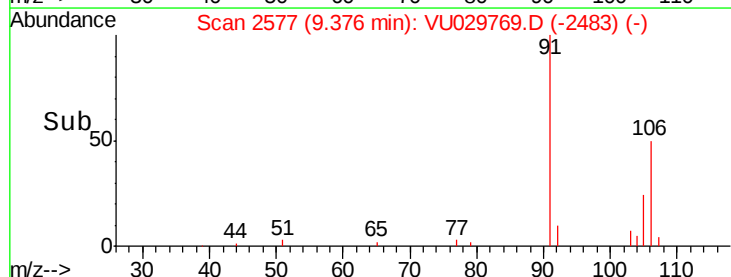
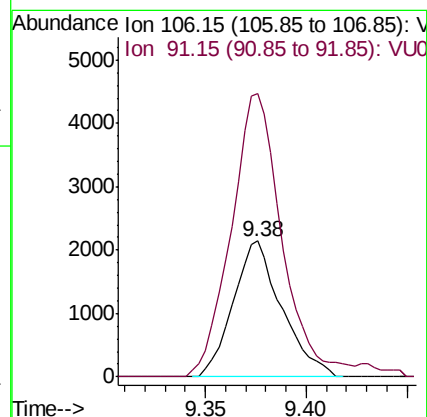
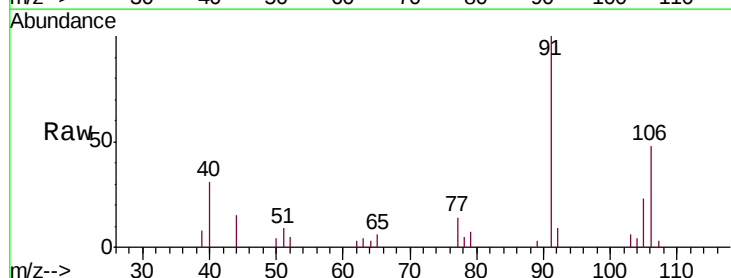
Acq: 01 Mar 2019 17:41

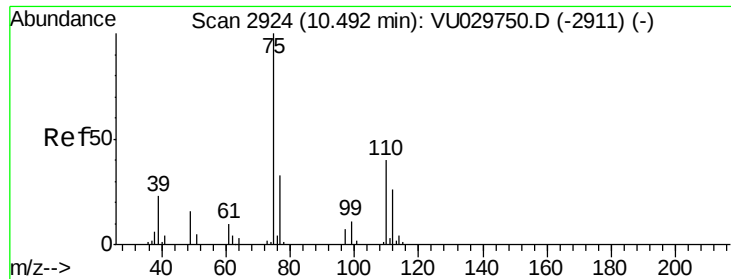
Tgt Ion: 106 Resp: 3610

Ion Ratio Lower Upper

106 100

91 208.3 136.0 252.6

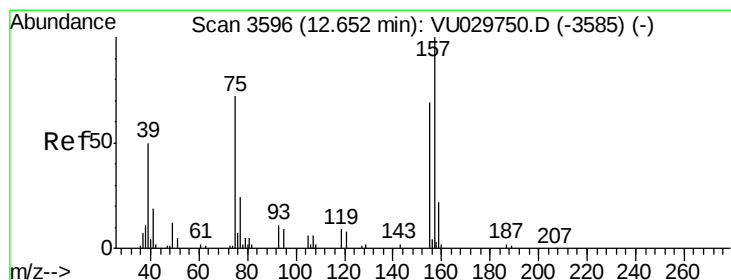
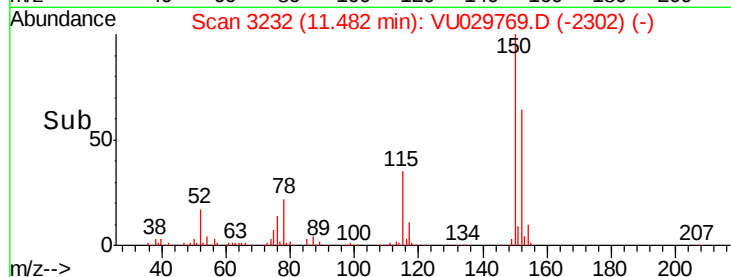
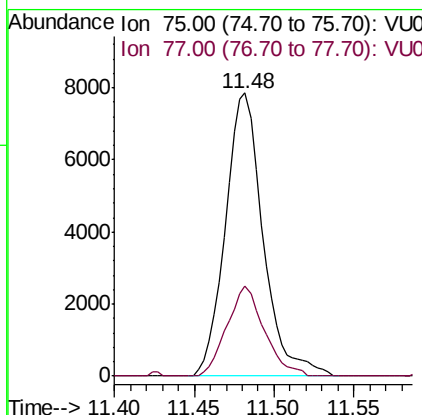
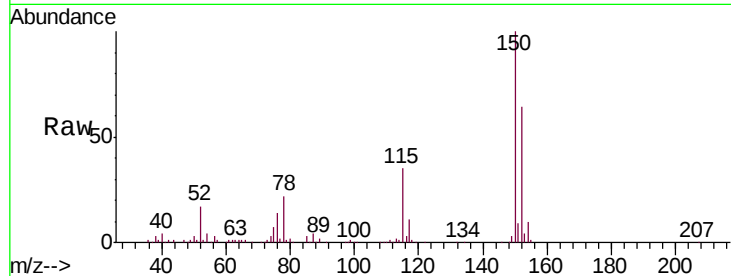




#59
 1,2,3-Trichloropropane
 Concen: 1.255 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU029769.D
 Acq: 01 Mar 2019 17:41

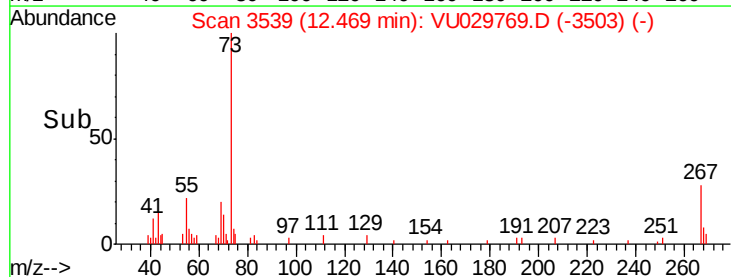
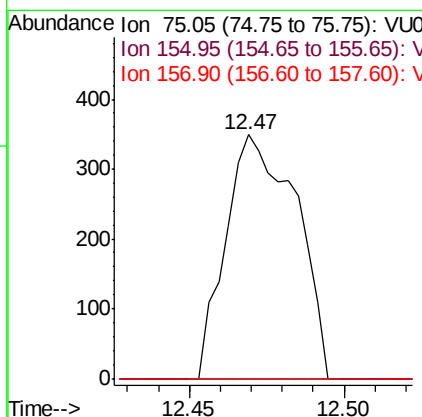
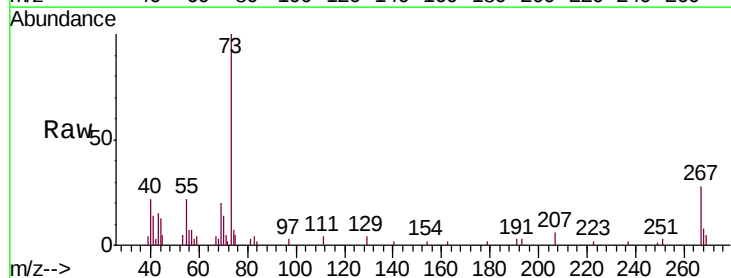
Instrument :
 MSVOA_U
 ClientSampleId :
 CWK01

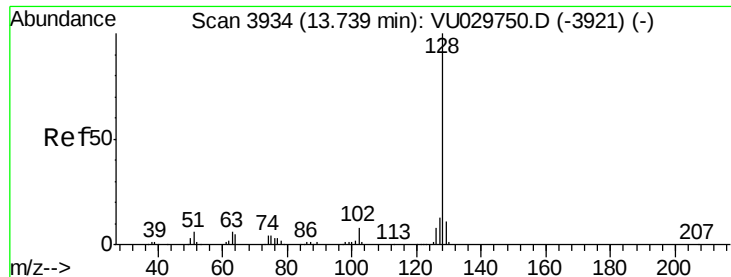
Tgt Ion: 75 Resp: 12588
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.6 38.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.269 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.18 min
 Lab File: VU029769.D
 Acq: 01 Mar 2019 17:41

Tgt Ion: 75 Resp: 554
 Ion Ratio Lower Upper
 75 100
 155 0.0 75.5 113.3#
 157 0.0 93.8 140.6#





#69

Naphthalene

Concen: 0.055 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU029769.D

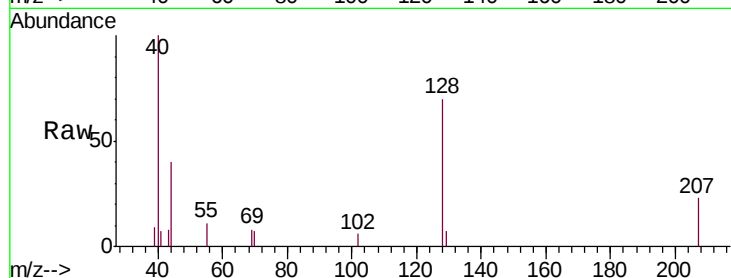
Acq: 01 Mar 2019 17:41

Instrument :

MSVOA_U

ClientSampleId :

CWK01



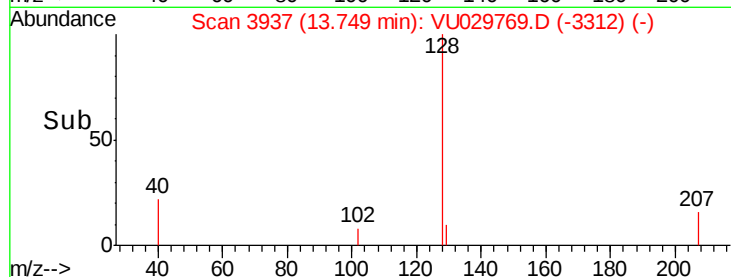
Tgt Ion:128 Resp: 2112

Ion Ratio Lower Upper

128 100

129 2.3 8.7 13.1#

127 1.9 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

