

Data File : VU029548.D
Acq On : 19 Feb 2019 12:30
Operator : JC/SP
Sample : K1489-08RE
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXG8

Quant Time: Feb 20 00:11:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 20 00:07:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	209582	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	200248	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107787	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58963	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.68	69	54989	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.27	63	91842	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	4.19	46	153757	52.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.04%
24) Chloroform-d	4.65	84	102389	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.31	65	58351	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.34	84	222086	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.33	67	71164	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.56	98	217073	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.85	79	27863	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.31	63	148561	50.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	61075	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	97225	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

						Qvalue
6) Bromomethane	1.63	94	723	0.061	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1112	0.061	ug/L #	22
12) 1,1-Dichloroethene	2.28	96	1082	0.063	ug/L #	1
13) Acetone	2.32	43	12868	4.838	ug/L	96
15) Methyl Acetate	2.62	43	1549	0.227	ug/L	89
25) Chloroform	4.67	83	8526	0.308	ug/L	84
27) 1,2-Dichloroethane	5.41	62	11931	0.744	ug/L	99
35) Methylcyclohexane	6.33	83	16884	0.606	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7625	0.516	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	2006	0.086	ug/L #	78
42) Toluene	7.64	91	3520	0.053	ug/L	95
48) 2-Hexanone	8.37	43	2052	0.331	ug/L #	37
52) Ethylbenzene	9.25	91	9765	0.130	ug/L	90
53) m,p-xylene	9.37	106	17258	0.578	ug/L	87
54) o-xylene	9.78	106	8749	0.298	ug/L	95
59) 1,2,3-Trichloropropane	11.48	75	10988	1.160	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	921	0.409	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021919\
Quantitation Report (Not Reviewed)

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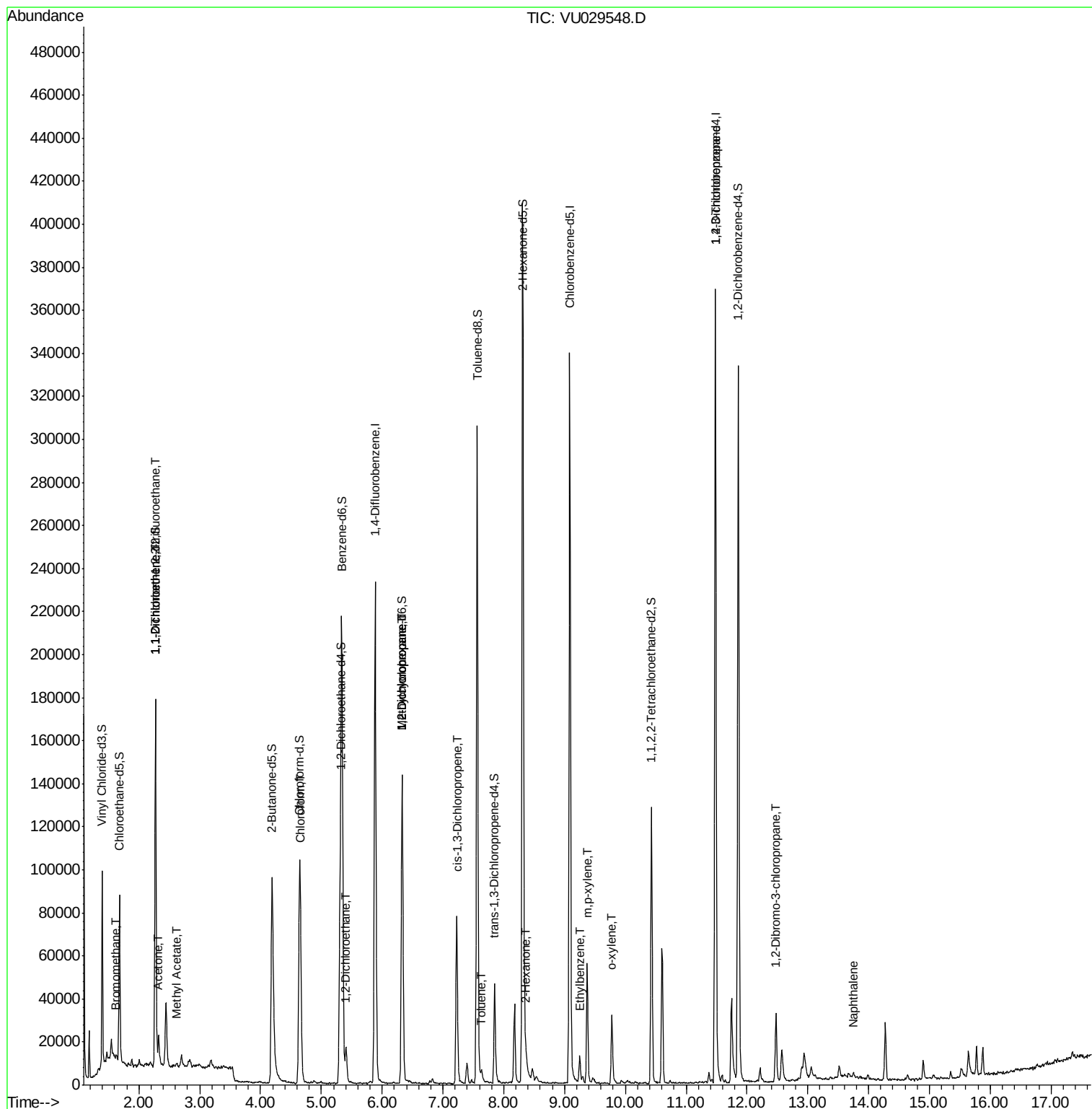
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.75	128	2831	0.061	ug/L #	91

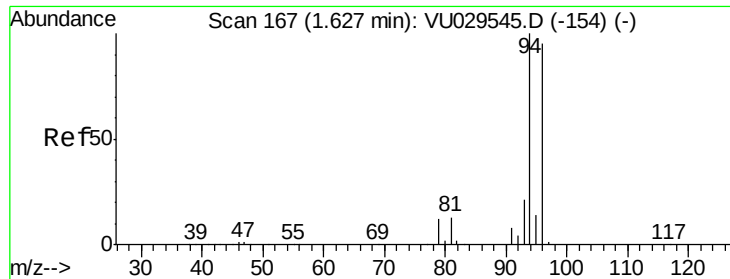
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.061 ug/L

RT: 1.63 min Scan# 169

Delta R.T. 0.01 min

Lab File: VU029548.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

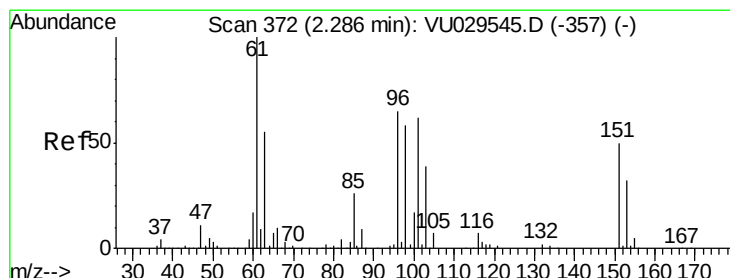
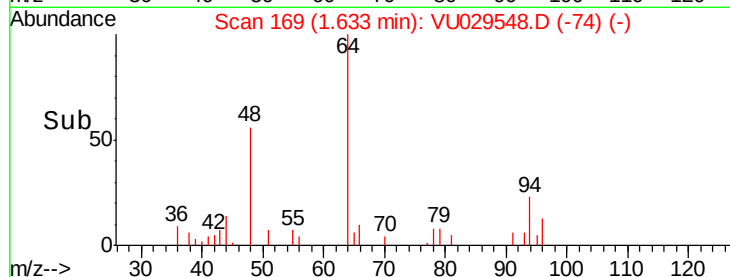
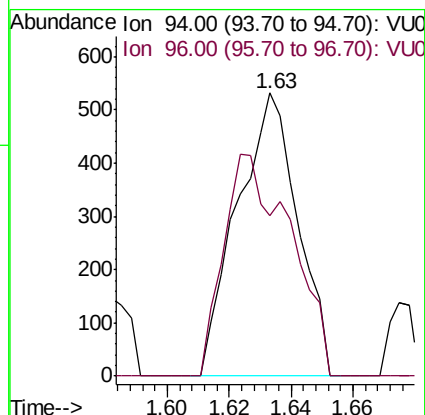
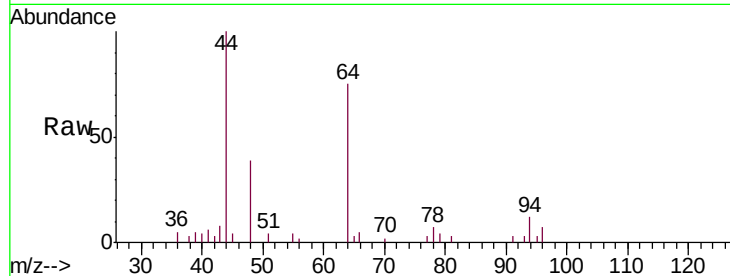
ESXG8

Tgt Ion: 94 Resp: 723

Ion Ratio Lower Upper

94 100

96 56.8 65.2 121.0#



#10

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

Concen: 0.061 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029548.D

Acq: 19 Feb 2019 12:30

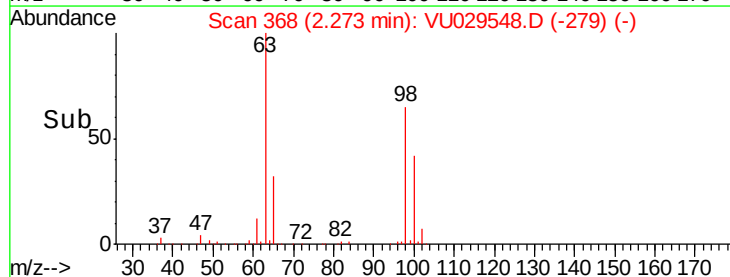
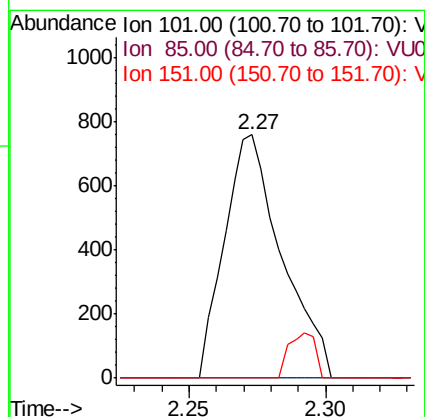
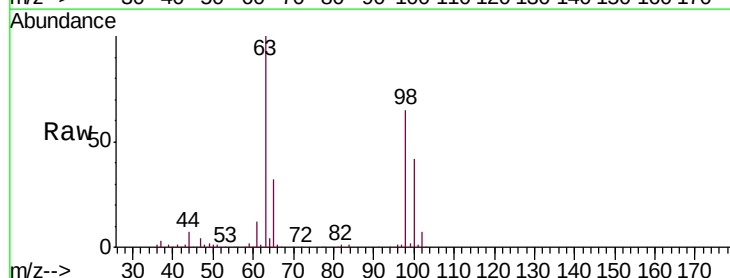
Tgt Ion: 101 Resp: 1112

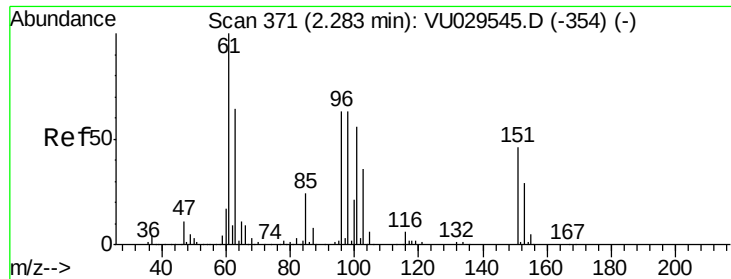
Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 8.6 67.0 100.6#

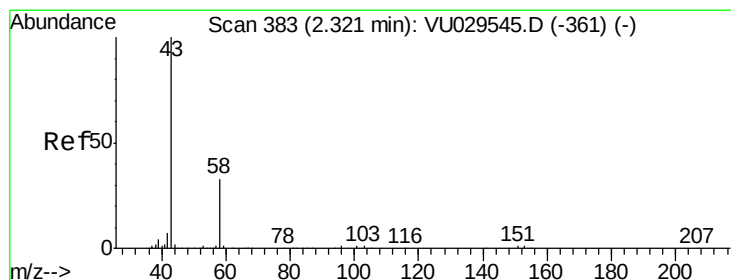
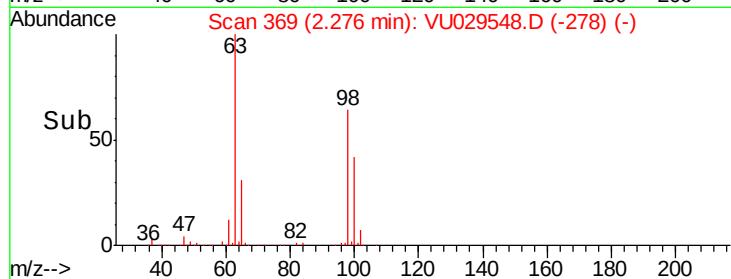
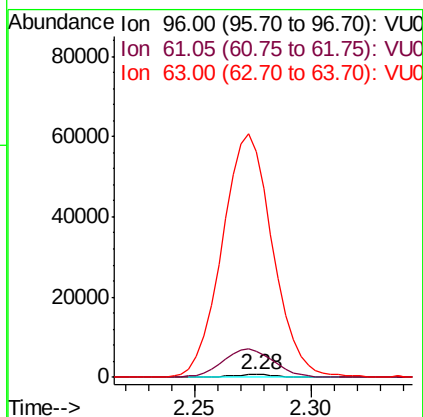
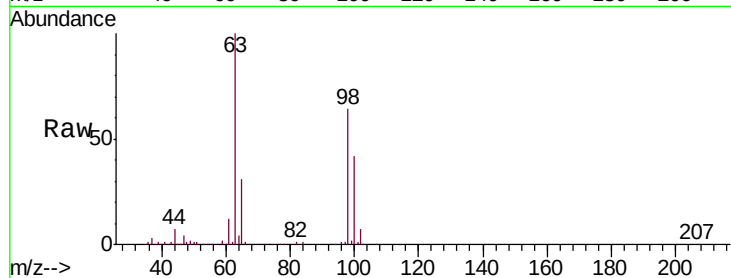




#12
 1,1-Dichloroethene
 Concen: 0.063 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VU029548.D
 Acq: 19 Feb 2019 12:30

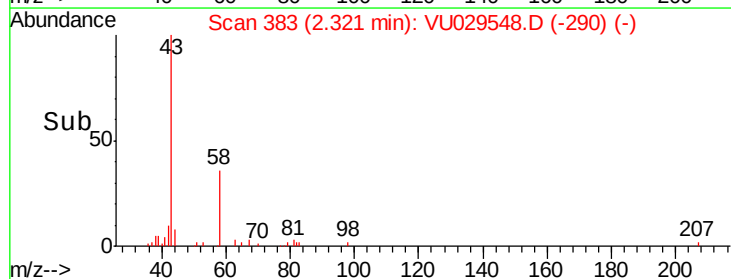
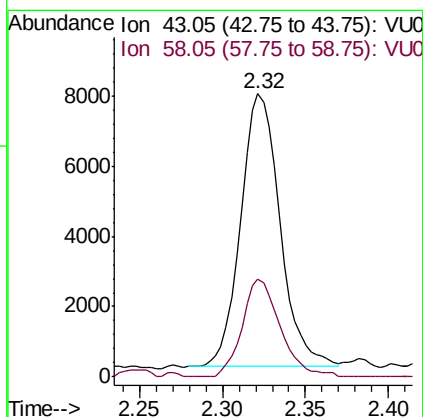
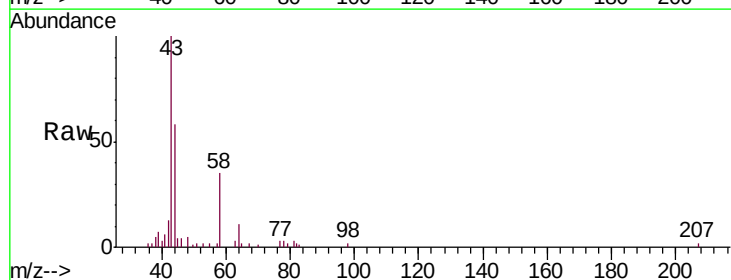
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXG8

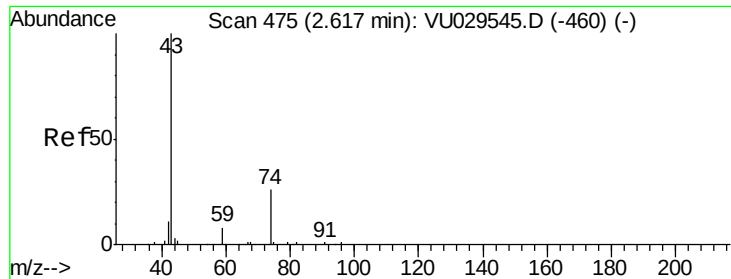
Tgt Ion: 96 Resp: 1082
 Ion Ratio Lower Upper
 96 100
 61 953.2 115.1 213.7#
 63 8262.8 83.5 155.1#



#13
 Acetone
 Concen: 4.838 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VU029548.D
 Acq: 19 Feb 2019 12:30

Tgt Ion: 43 Resp: 12868
 Ion Ratio Lower Upper
 43 100
 58 34.5 0.0 65.0





#15

Methyl Acetate

Concen: 0.227 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU029548.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

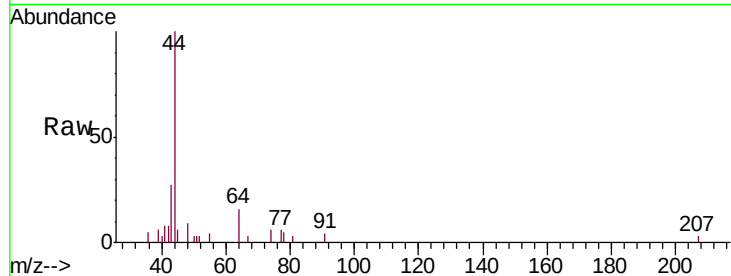
ESXG8

Tgt Ion: 43 Resp: 1549

Ion Ratio Lower Upper

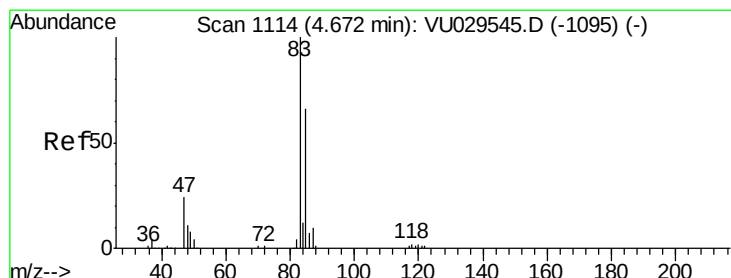
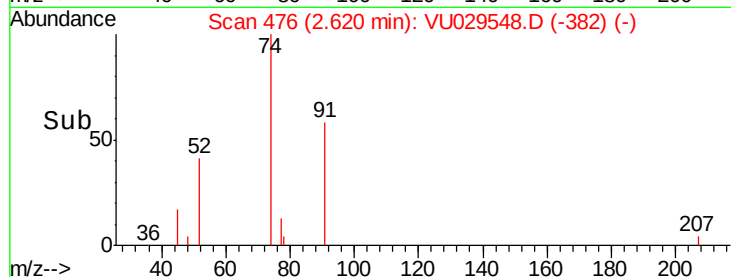
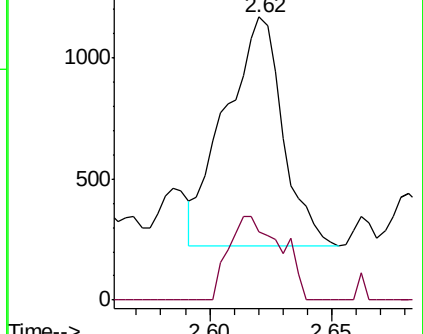
43 100

74 33.4 22.3 33.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#25

Chloroform

Concen: 0.308 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VU029548.D

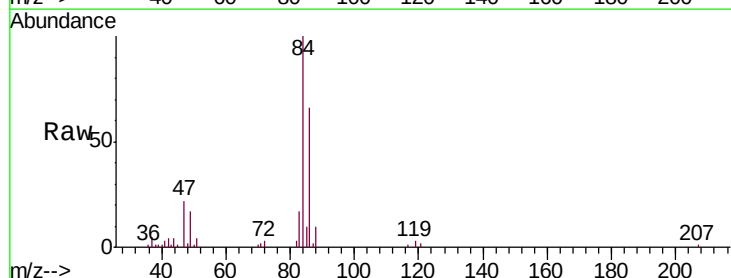
Acq: 19 Feb 2019 12:30

Tgt Ion: 83 Resp: 8526

Ion Ratio Lower Upper

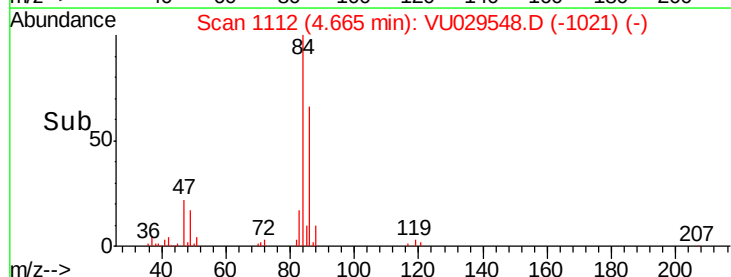
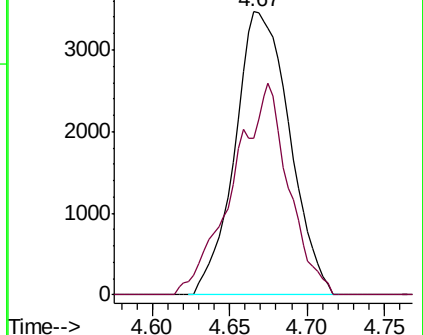
83 100

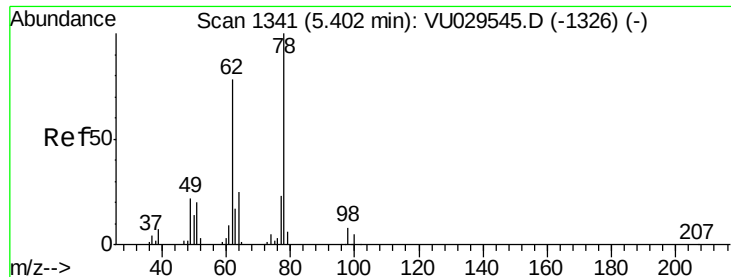
85 55.5 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

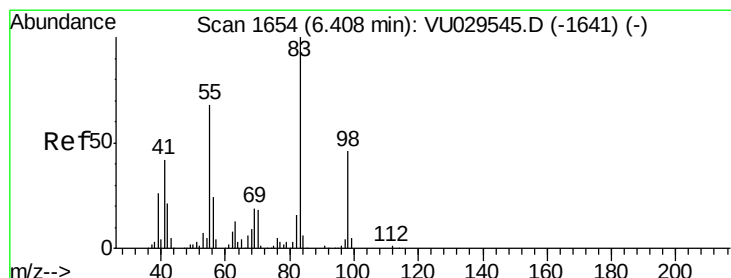
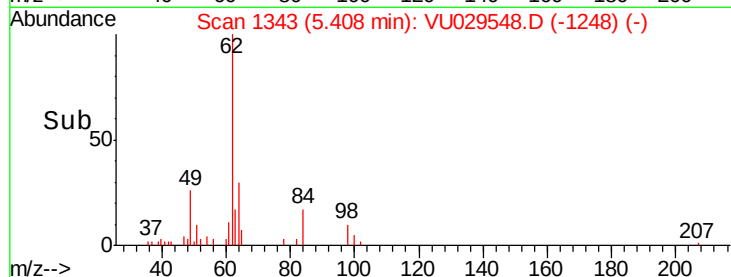
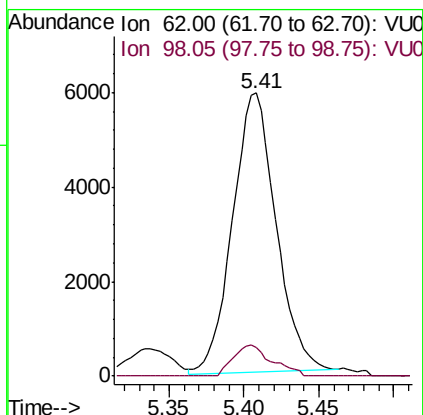
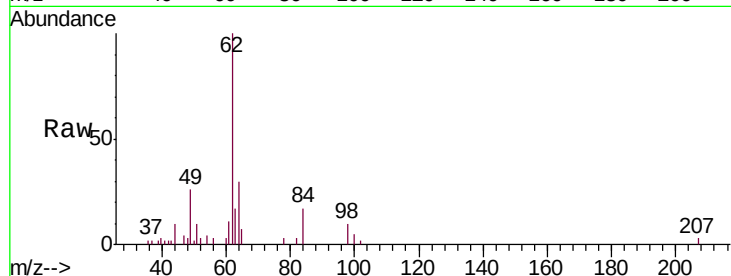




#27
 1,2-Dichloroethane
 Concen: 0.744 ug/L
 RT: 5.41 min Scan# 1343
 Delta R.T. 0.01 min
 Lab File: VU029548.D
 Acq: 19 Feb 2019 12:30

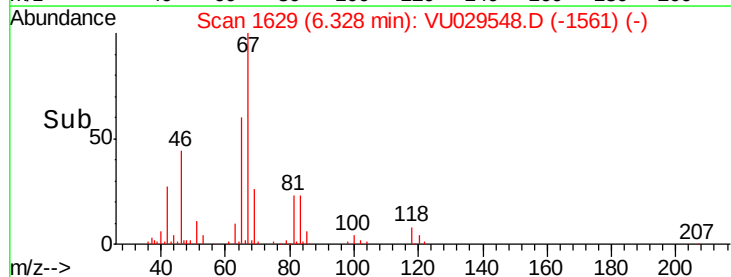
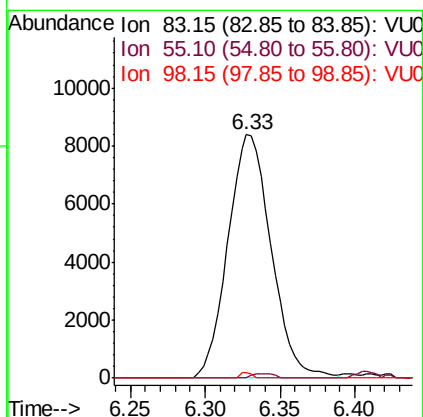
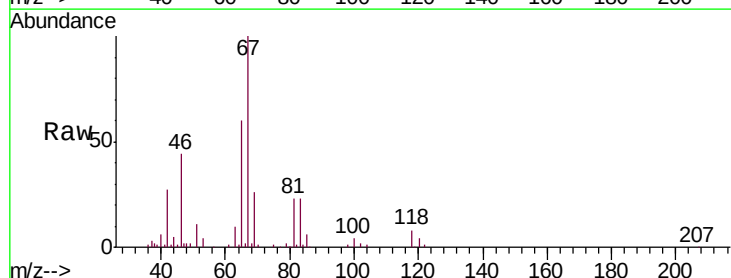
Instrument :
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 ESXG8

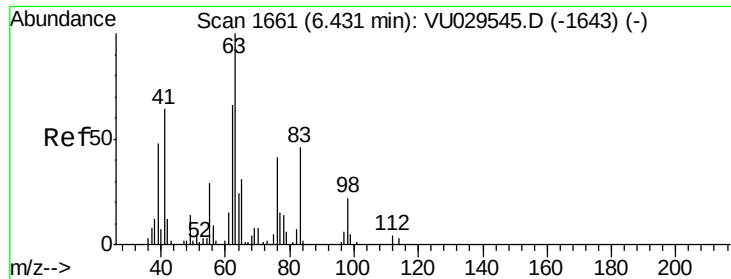
Tgt Ion: 62 Resp: 11931
 Ion Ratio Lower Upper
 62 100
 98 10.1 8.4 12.6



#35
 Methylcyclohexane
 Concen: 0.606 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.08 min
 Lab File: VU029548.D
 Acq: 19 Feb 2019 12:30

Tgt Ion: 83 Resp: 16884
 Ion Ratio Lower Upper
 83 100
 55 0.9 55.9 83.9#
 98 0.6 38.6 57.8#

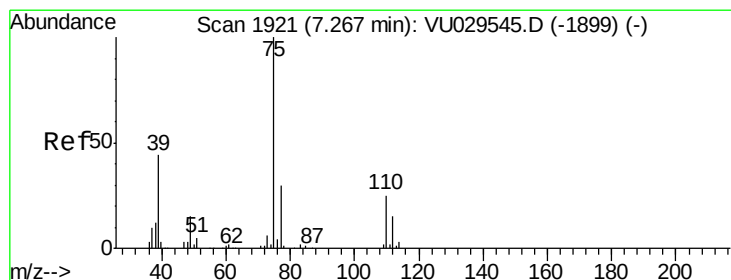
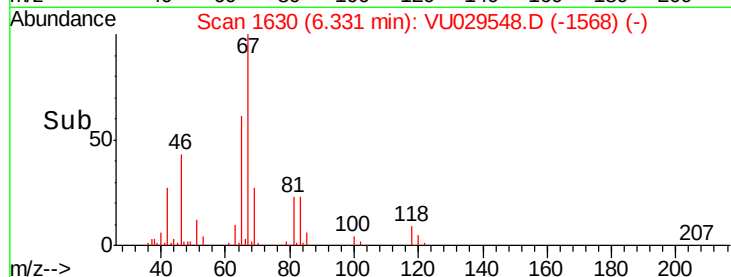
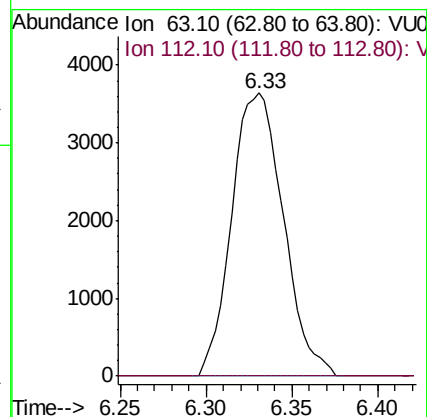
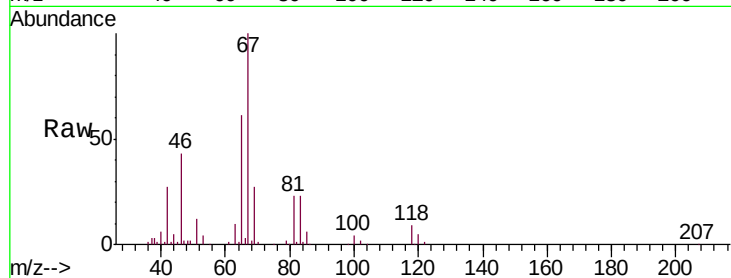




#37
 1,2-Dichloropropane
 Concen: 0.516 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU029548.D
 Acq: 19 Feb 2019 12:30

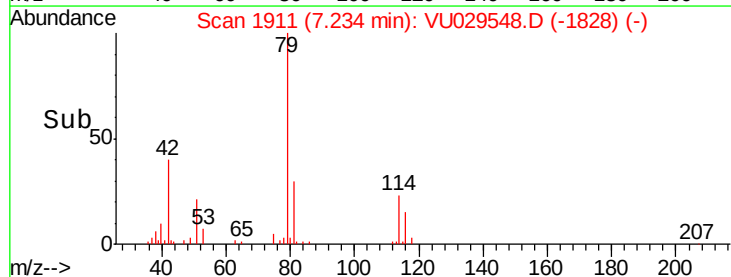
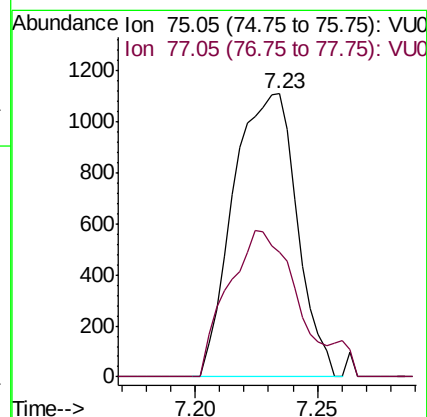
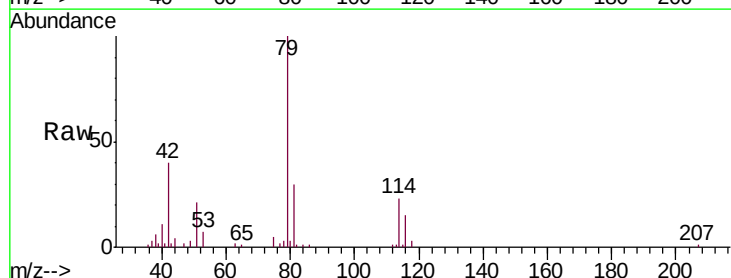
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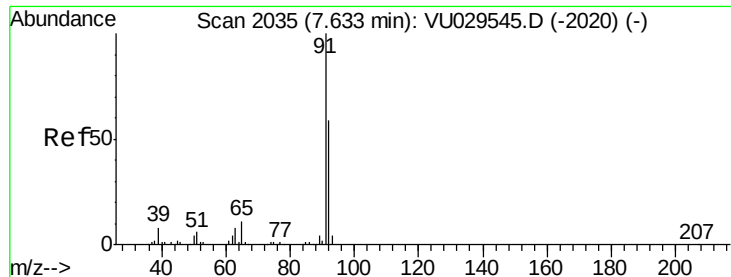
Tgt Ion: 63 Resp: 7625
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.23 min Scan# 1911
 Delta R.T. -0.03 min
 Lab File: VU029548.D
 Acq: 19 Feb 2019 12:30

Tgt Ion: 75 Resp: 2006
 Ion Ratio Lower Upper
 75 100
 77 44.0 22.3 41.3#





#42

Toluene

Concen: 0.053 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU029548.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

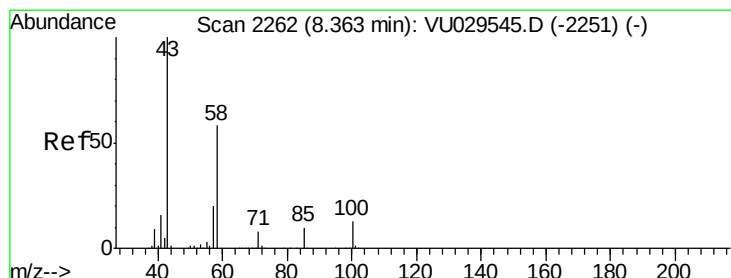
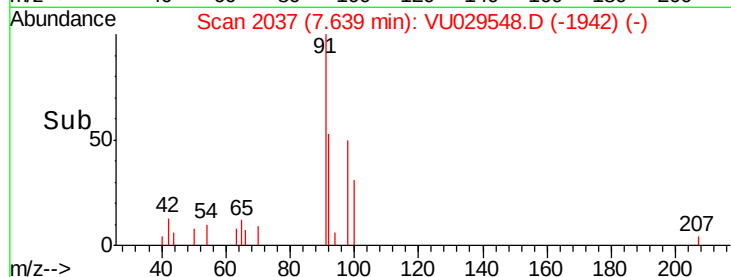
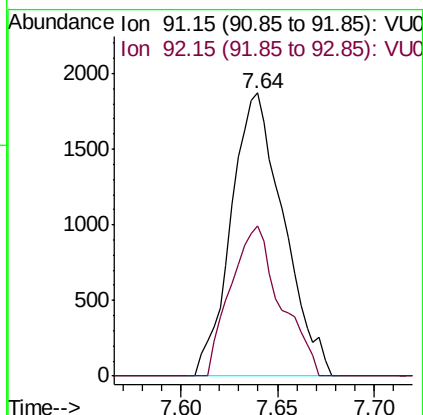
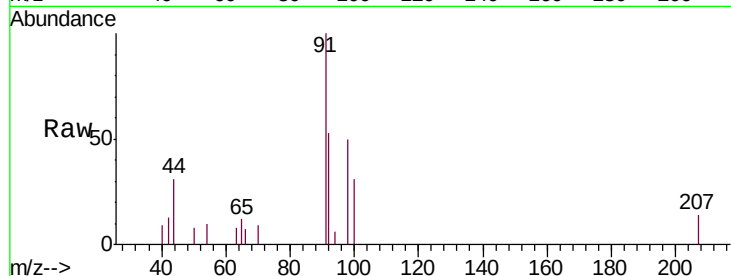
ESXG8

Tgt Ion: 91 Resp: 3520

Ion Ratio Lower Upper

91 100

92 53.0 39.8 73.8



#48

2-Hexanone

Concen: 0.331 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU029548.D

Acq: 19 Feb 2019 12:30

Tgt Ion: 43 Resp: 2052

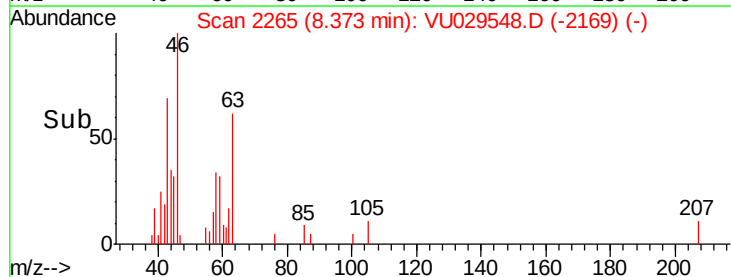
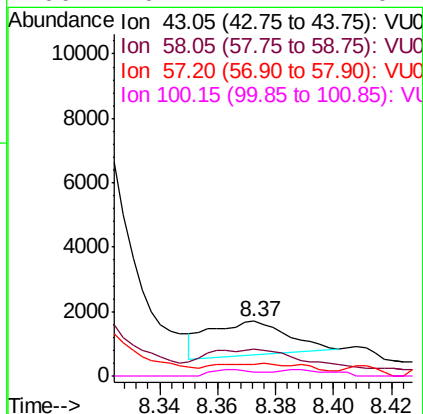
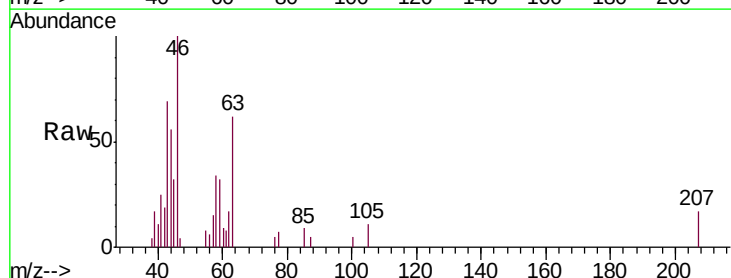
Ion Ratio Lower Upper

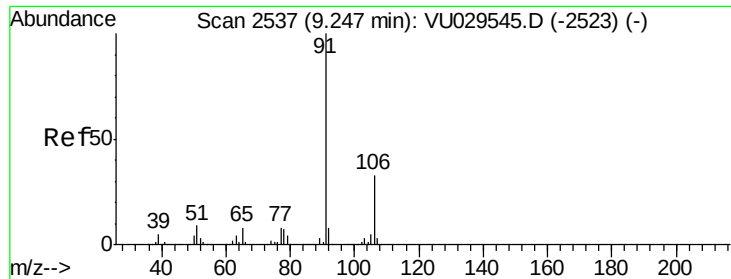
43 100

58 121.9 45.7 68.5#

57 6.0 16.4 24.6#

100 10.4 11.1 16.7#





#52

Ethylbenzene

Concen: 0.130 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029548.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampled :

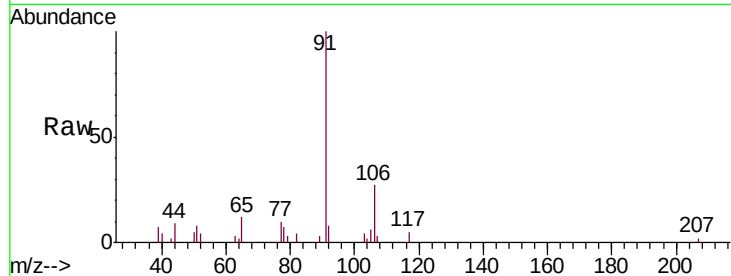
ESXG8

Tgt Ion: 91 Resp: 9765

Ion Ratio Lower Upper

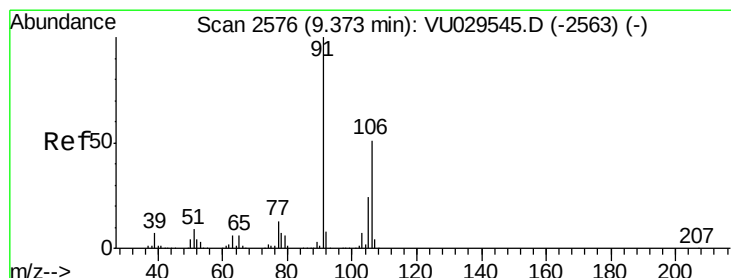
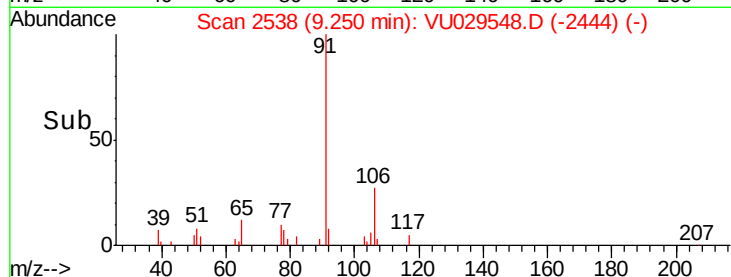
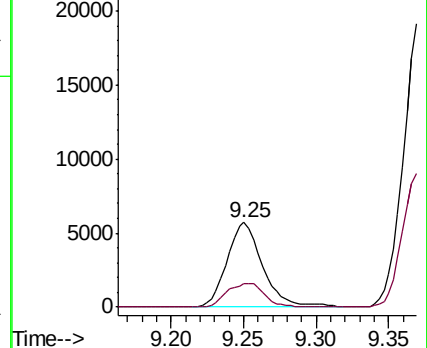
91 100

106 27.2 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 0.578 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029548.D

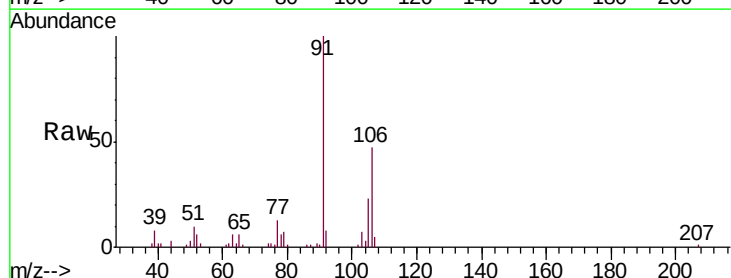
Acq: 19 Feb 2019 12:30

Tgt Ion: 106 Resp: 17258

Ion Ratio Lower Upper

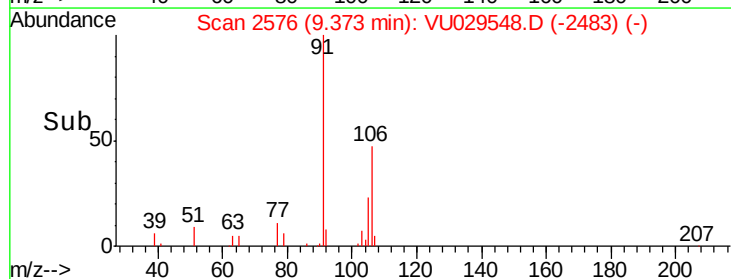
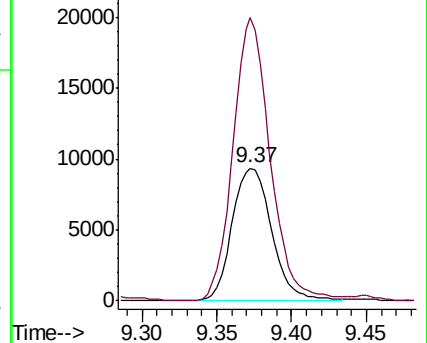
106 100

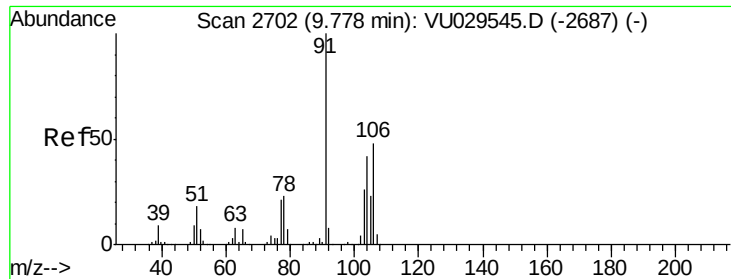
91 213.7 135.7 251.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#54

o-xylene

Concen: 0.298 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VU029548.D

Acq: 19 Feb 2019 12:30

Instrument :

MSVOA_U

ClientSampleId :

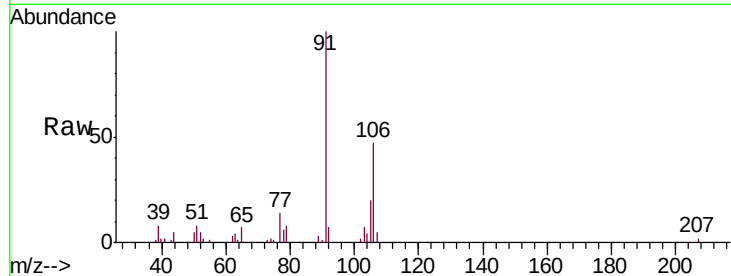
ESXG8

Tgt Ion:106 Resp: 8749

Ion Ratio Lower Upper

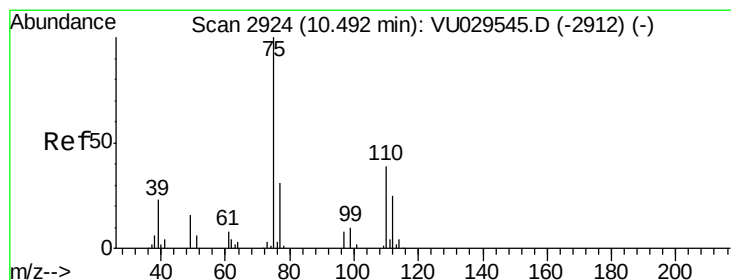
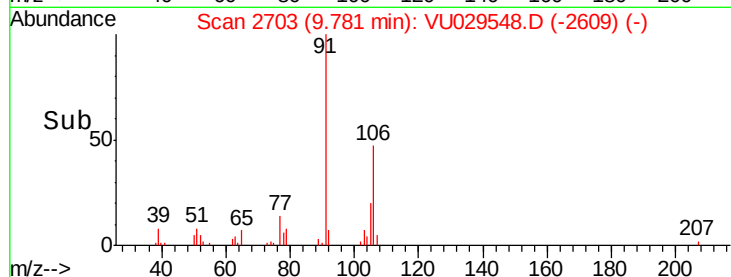
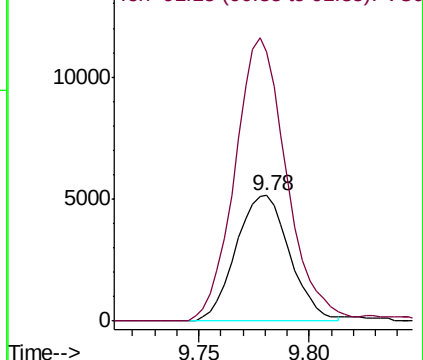
106 100

91 215.0 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#59

1,2,3-Trichloropropane

Concen: 1.160 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029548.D

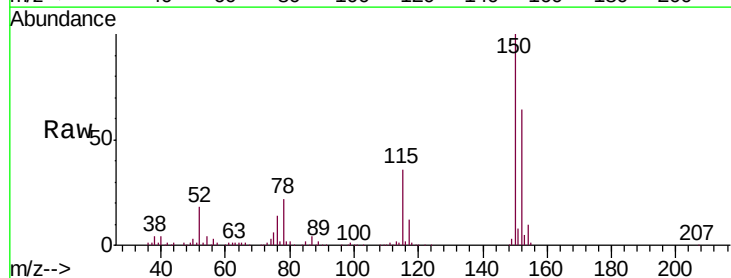
Acq: 19 Feb 2019 12:30

Tgt Ion: 75 Resp: 10988

Ion Ratio Lower Upper

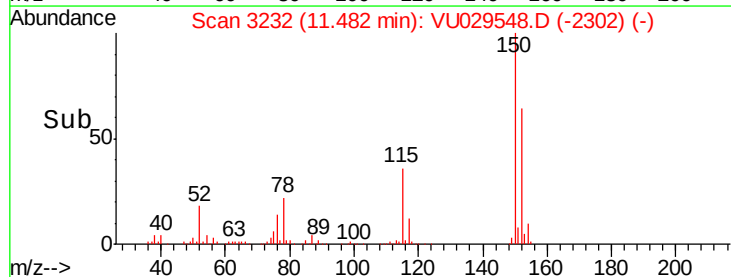
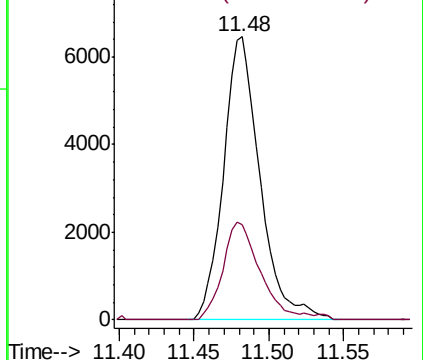
75 100

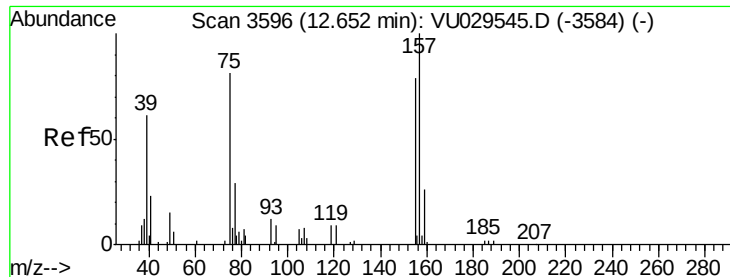
77 36.0 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

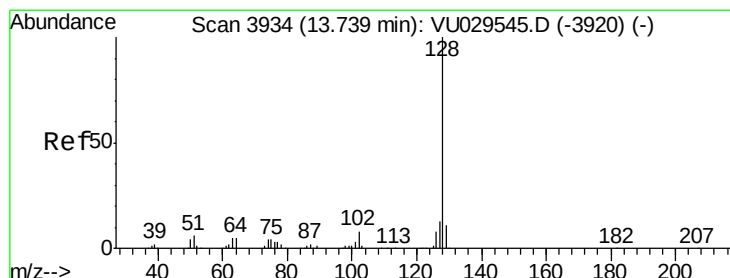
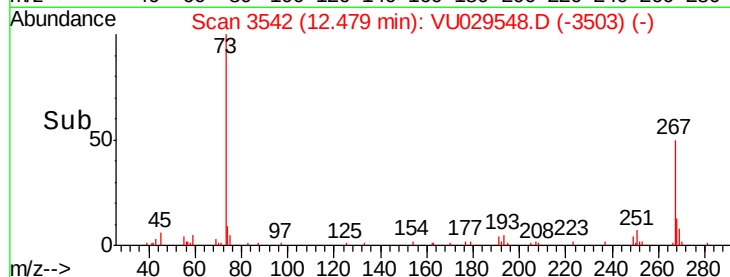
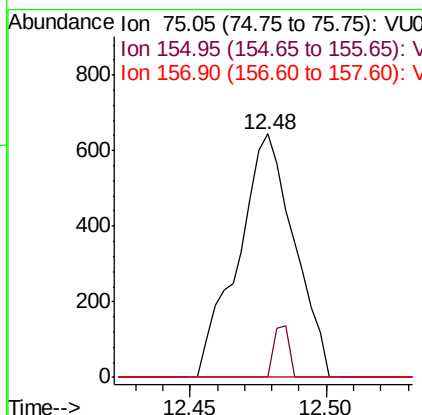
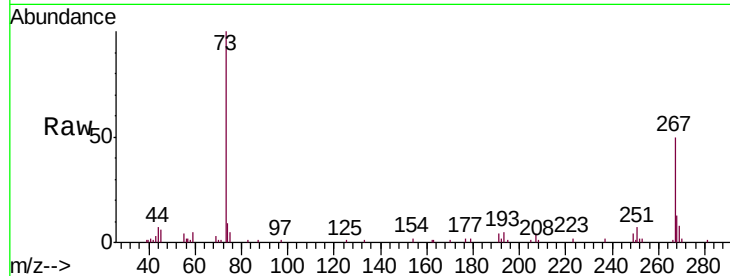




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.409 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.17 min
 Lab File: VU029548.D
 Acq: 19 Feb 2019 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXG8

Tgt Ion: 75 Resp: 921
 Ion Ratio Lower Upper
 75 100
 155 0.0 75.3 112.9#
 157 0.0 103.0 154.4#



#69
 Naphthalene
 Concen: 0.061 ug/L
 RT: 13.75 min Scan# 3937
 Delta R.T. 0.01 min
 Lab File: VU029548.D
 Acq: 19 Feb 2019 12:30

Tgt Ion: 128 Resp: 2831
 Ion Ratio Lower Upper
 128 100
 129 3.4 8.7 13.1#
 127 12.8 10.3 15.5

