

Data File : VU029453.D
Acq On : 14 Feb 2019 13:24
Operator : JC/SP
Sample : K1436-22MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXB3MSD

Quant Time: Feb 15 00:47:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 00:42:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	207186	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	193093	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	104616	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54493	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.68	69	50151	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.60%
11) 1,1-Dichloroethene-d2	2.27	63	129997	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	4.19	46	134331	46.41	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.82%
24) Chloroform-d	4.65	84	95254	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.31	65	52292	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.34	84	210795	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.33	67	63583	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.56	98	202904	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.85	79	26278	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.31	63	135635	48.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	53667	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	89255	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

						Qvalue
6) Bromomethane	1.62	94	604	0.052	ug/L	73
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1219	0.068	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	77638	4.553	ug/L	92
13) Acetone	2.32	43	5072	1.929	ug/L	91
25) Chloroform	4.67	83	7829	0.286	ug/L	99
27) 1,2-Dichloroethane	5.39	62	2233	0.141	ug/L #	72
33) Benzene	5.39	78	259923	4.573	ug/L	100
34) Trichloroethene	6.18	95	71659	4.484	ug/L	98
35) Methylcyclohexane	6.33	83	15802	0.588	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6744	0.474	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	1903	0.085	ug/L #	50
42) Toluene	7.63	91	293080	4.594	ug/L	99
48) 2-Hexanone	8.36	43	2348	0.393	ug/L #	85
51) Chlorobenzene	9.12	112	201102	4.584	ug/L	98
53) m,p-xylene	9.37	106	1538	0.053	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	10352	1.134	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 00:42:37 2019
Response via : Initial Calibration

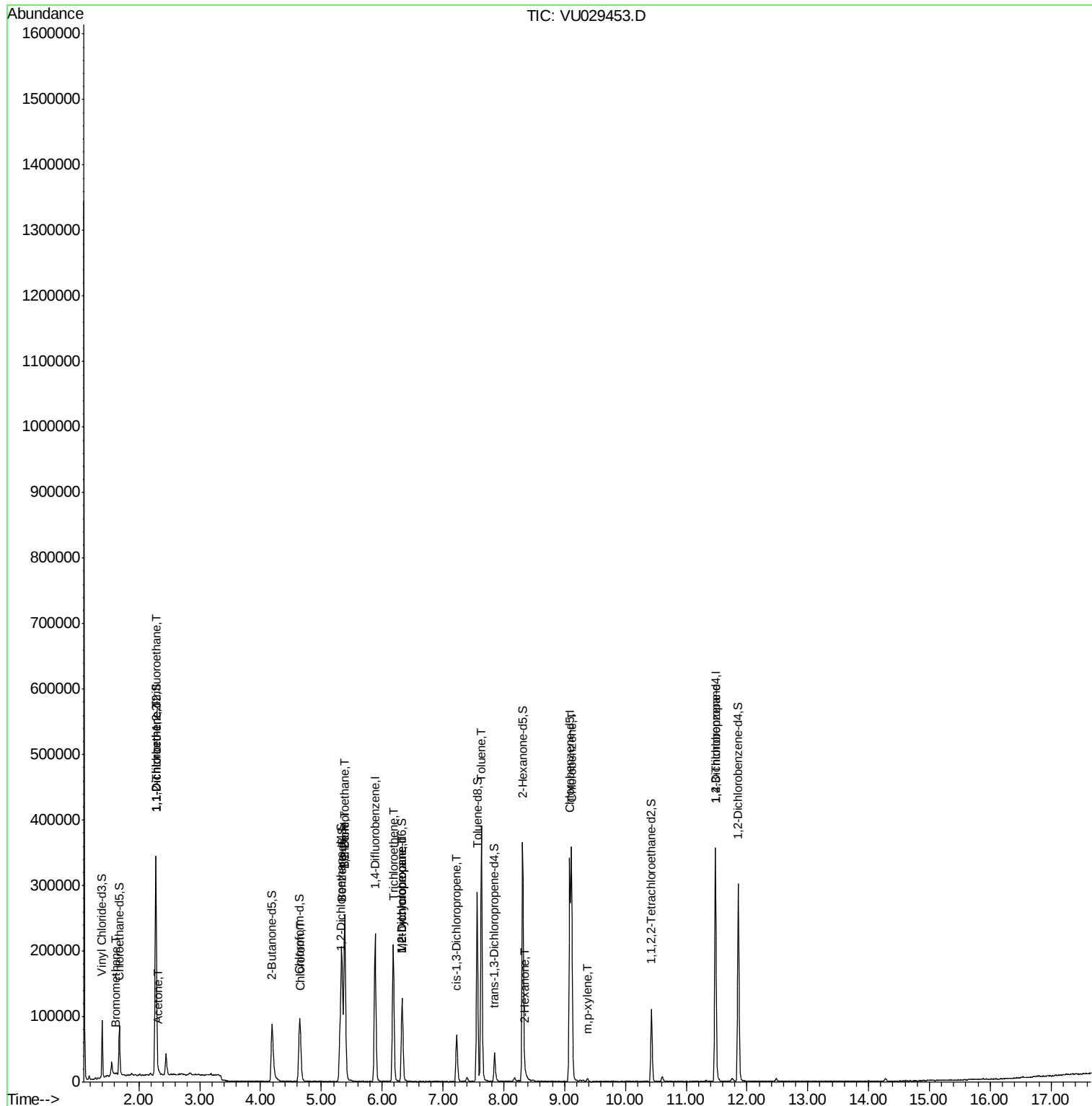
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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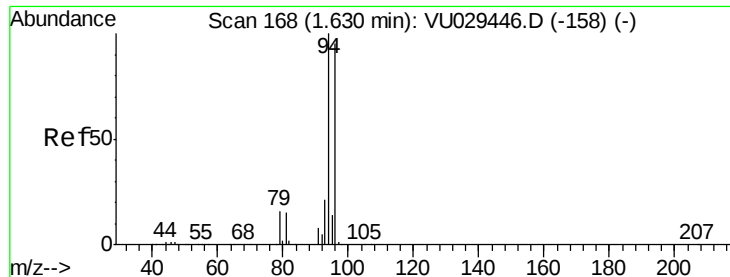
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.052 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.01 min

Lab File: VU029453.D

Acq: 14 Feb 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

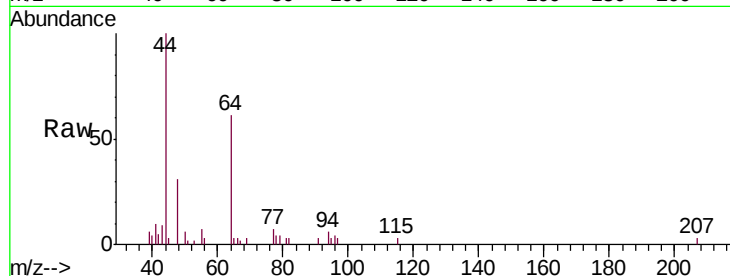
ESXB3MSD

Tgt Ion: 94 Resp: 604

Ion Ratio Lower Upper

94 100

96 67.0 65.2 121.0

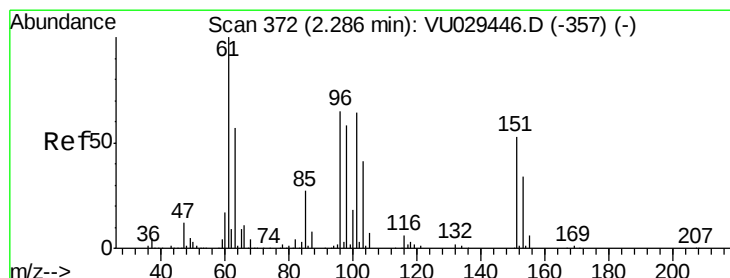
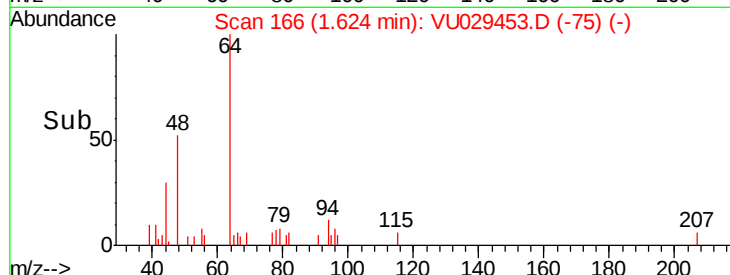
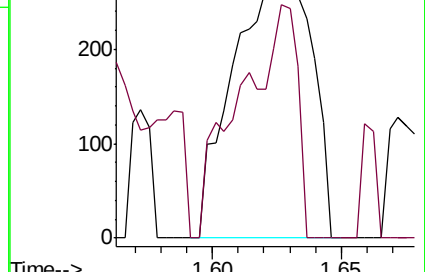


Abundance Ion 94.00 (93.70 to 94.70): VU029446.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU029446.D (-158) (-)

1.62

1.65



#10

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

Concen: 0.068 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029453.D

Acq: 14 Feb 2019 13:24

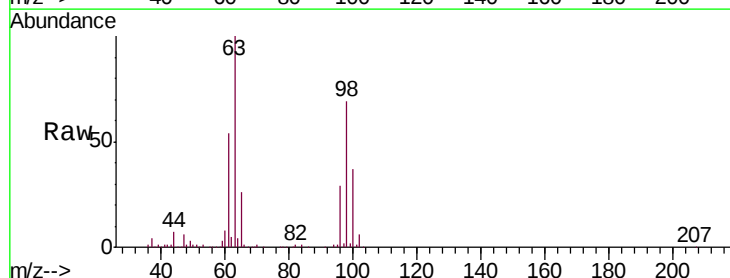
Tgt Ion: 101 Resp: 1219

Ion Ratio Lower Upper

101 100

85 7.8 35.1 52.7#

151 0.0 67.0 100.6#



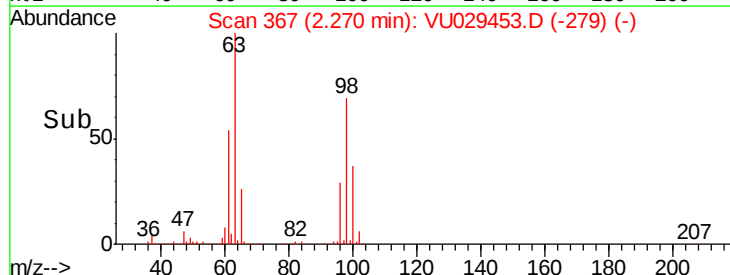
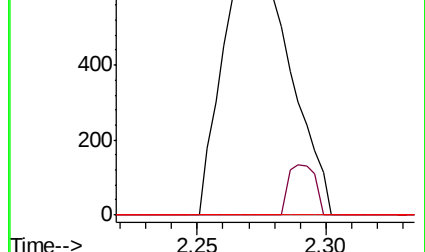
Abundance Ion 101.00 (100.70 to 101.70): VU029446.D (-357) (-)

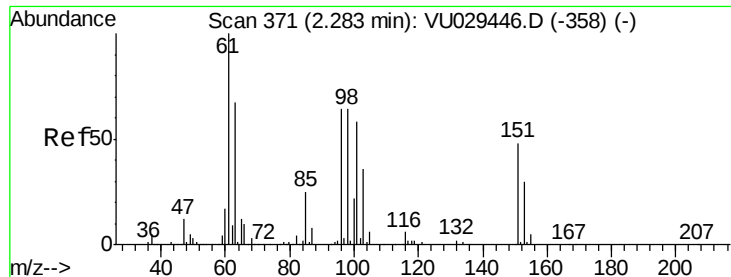
Ion 85.00 (84.70 to 85.70): VU029446.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU029446.D (-357) (-)

2.27

2.30





#12

1,1-Dichloroethene

Concen: 4.553 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029453.D

Acq: 14 Feb 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

ESXB3MSD

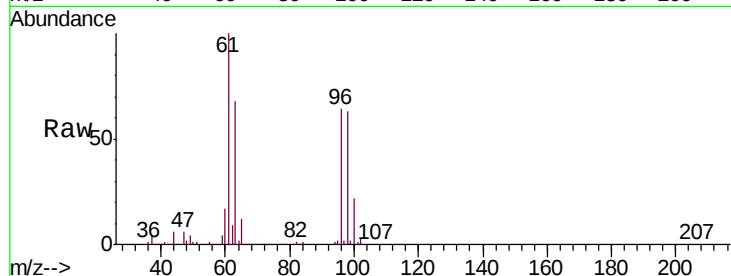
Tgt Ion: 96 Resp: 77638

Ion Ratio Lower Upper

96 100

61 157.3 115.1 213.7

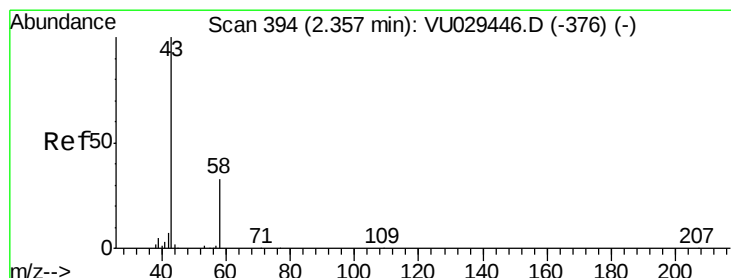
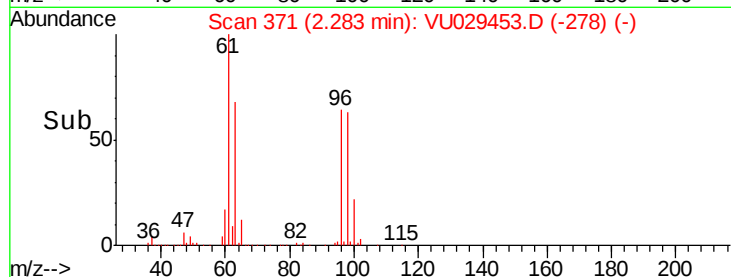
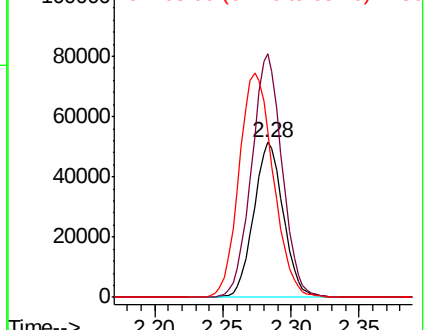
63 106.6 83.5 155.1



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: 1.929 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.03 min

Lab File: VU029453.D

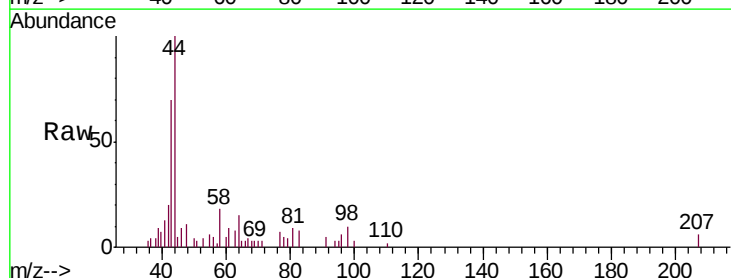
Acq: 14 Feb 2019 13:24

Tgt Ion: 43 Resp: 5072

Ion Ratio Lower Upper

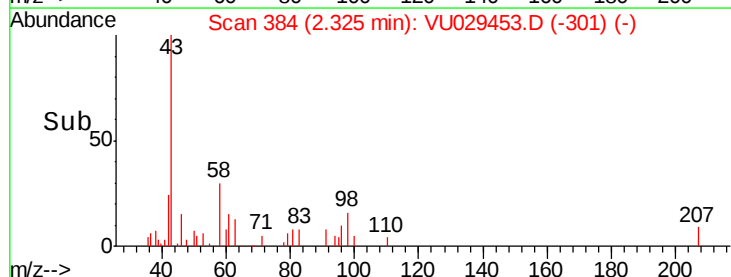
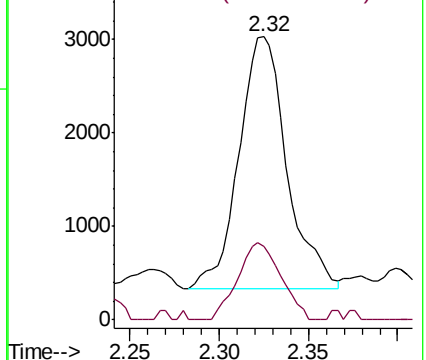
43 100

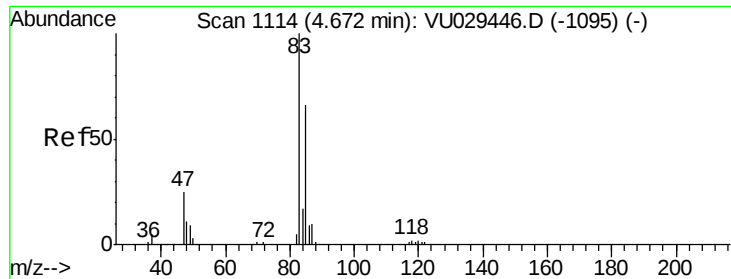
58 27.3 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#25

Chloroform

Concen: 0.286 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029453.D

Acq: 14 Feb 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

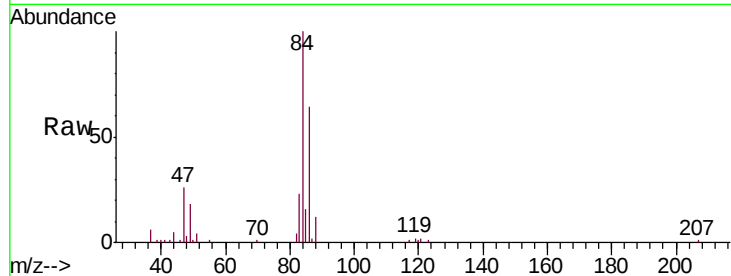
ESXB3MSD

Tgt Ion: 83 Resp: 7829

Ion Ratio Lower Upper

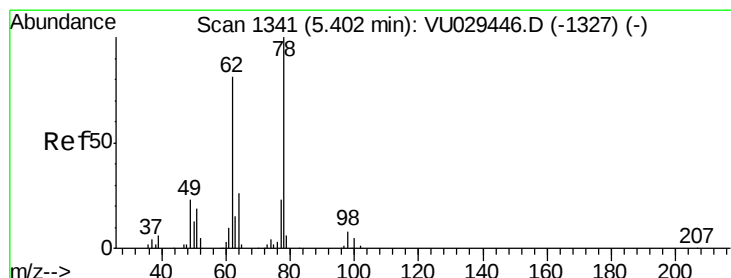
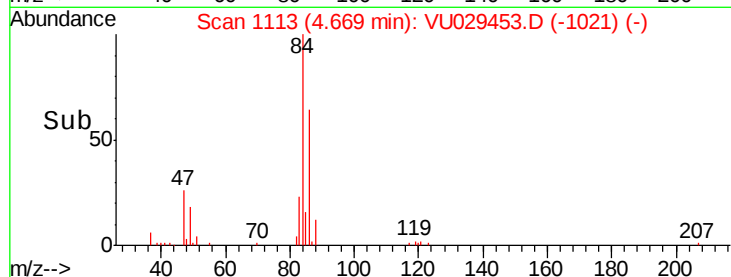
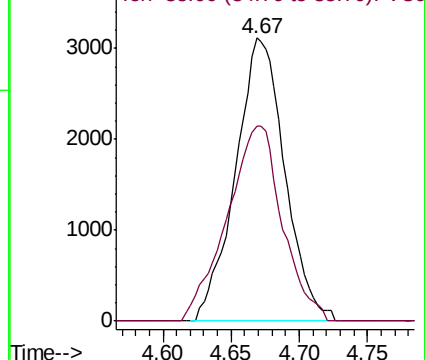
83 100

85 68.8 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: 0.141 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.02 min

Lab File: VU029453.D

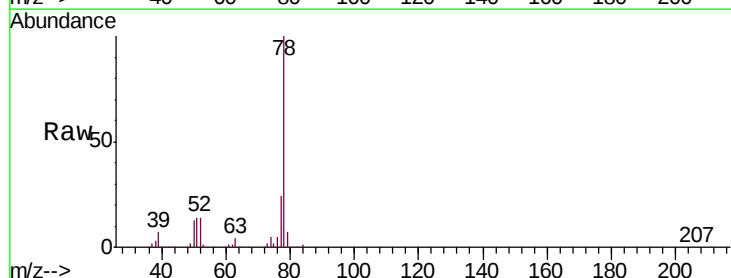
Acq: 14 Feb 2019 13:24

Tgt Ion: 62 Resp: 2233

Ion Ratio Lower Upper

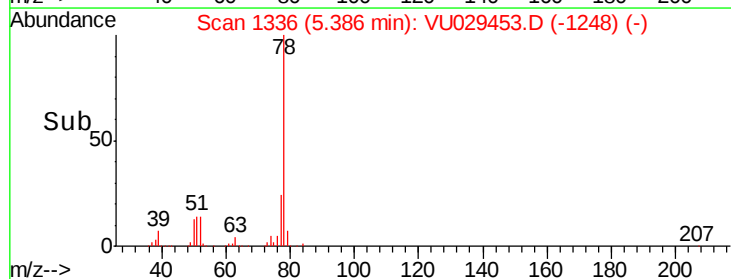
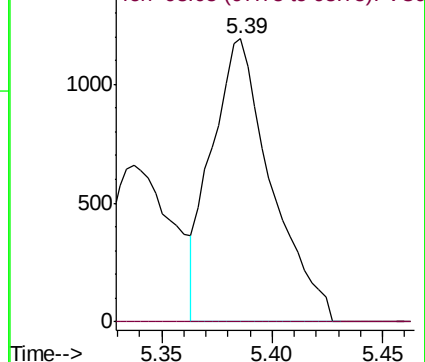
62 100

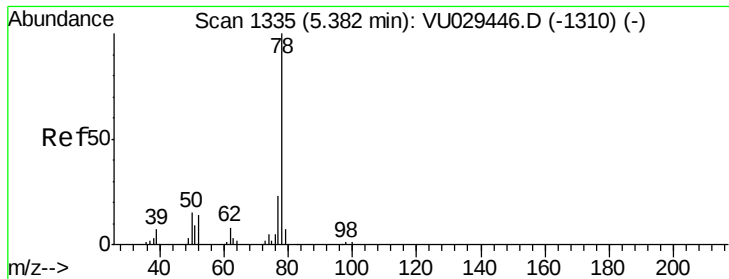
98 0.0 8.4 12.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 4.573 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029453.D

Acq: 14 Feb 2019 13:24

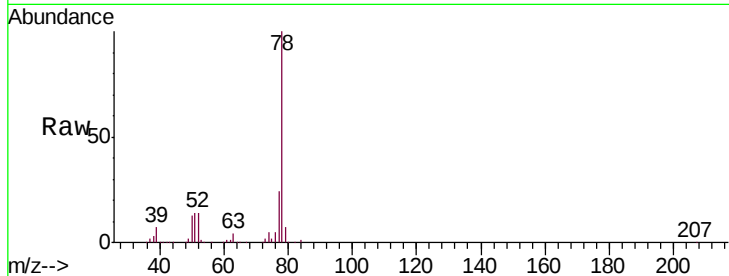
Instrument :

MSVOA_U

ClientSampleId :

ESXB3MSD

Tgt Ion: 78 Resp: 259923



Abundance Ion 78.10 (77.80 to 78.80): VU0

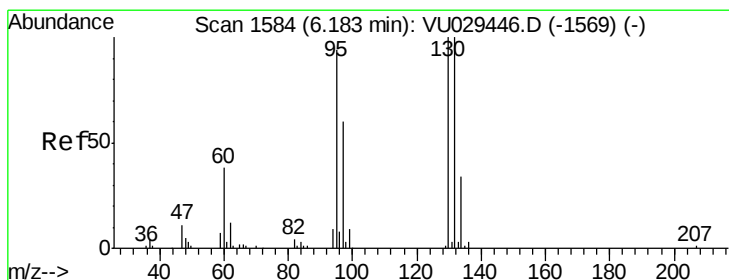
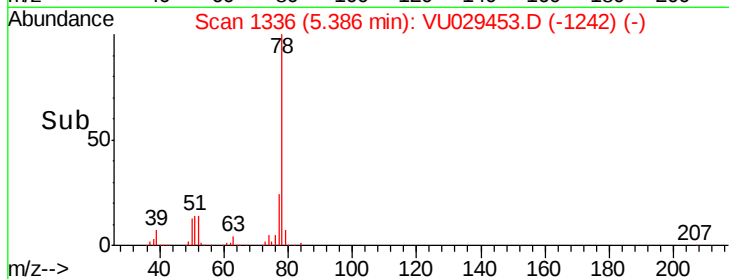
5.39

100000

50000

0

Time-->



#34

Trichloroethene

Concen: 4.484 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029453.D

Acq: 14 Feb 2019 13:24

Tgt Ion: 95 Resp: 71659

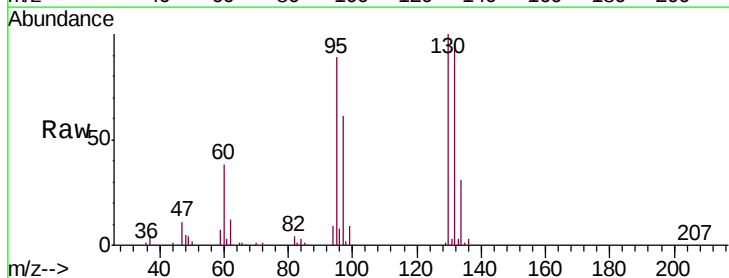
Ion Ratio Lower Upper

95 100

97 68.0 46.3 86.1

132 106.6 72.9 135.3

130 112.0 79.2 147.0



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

6.18

60000

50000

40000

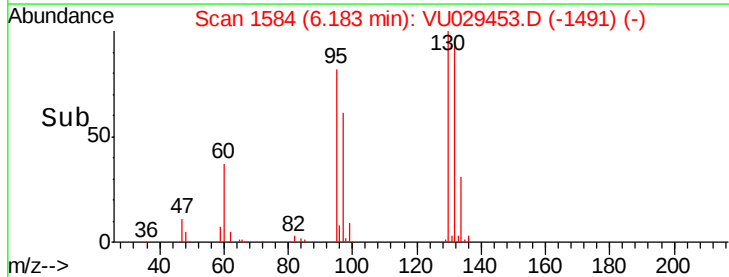
30000

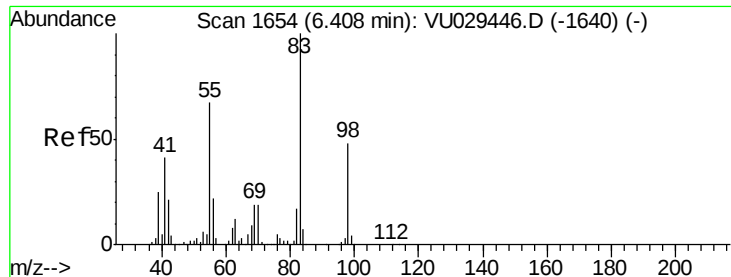
20000

10000

0

Time-->





#35

Methylcyclohexane

Concen: 0.588 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029453.D

Acq: 14 Feb 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

ESXB3MSD

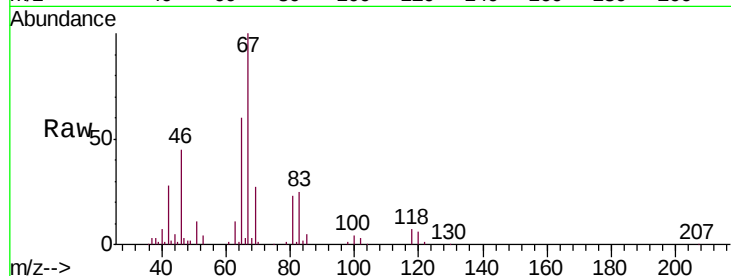
Tgt Ion: 83 Resp: 15802

Ion Ratio Lower Upper

83 100

55 0.1 55.9 83.9#

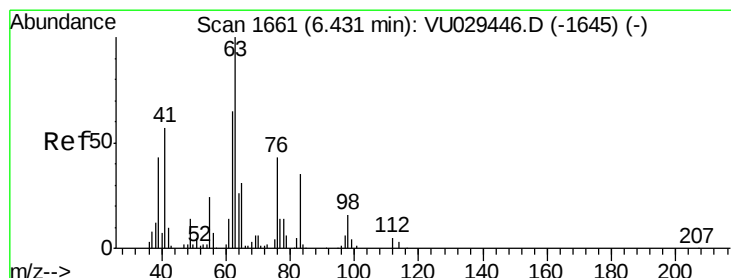
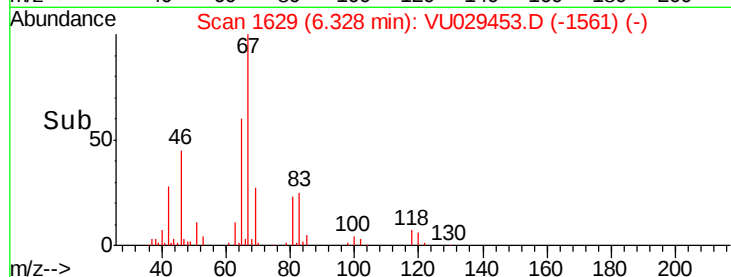
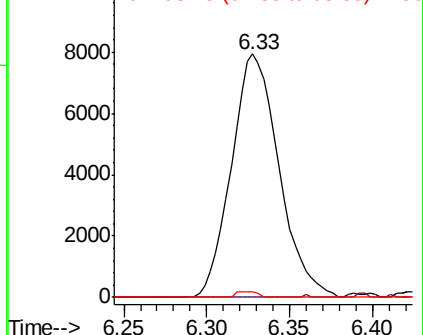
98 1.0 38.6 57.8#



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: 0.474 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029453.D

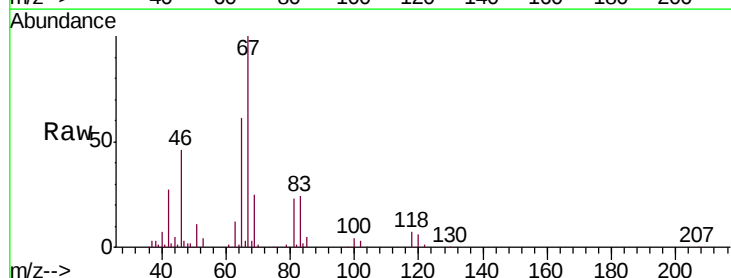
Acq: 14 Feb 2019 13:24

Tgt Ion: 63 Resp: 6744

Ion Ratio Lower Upper

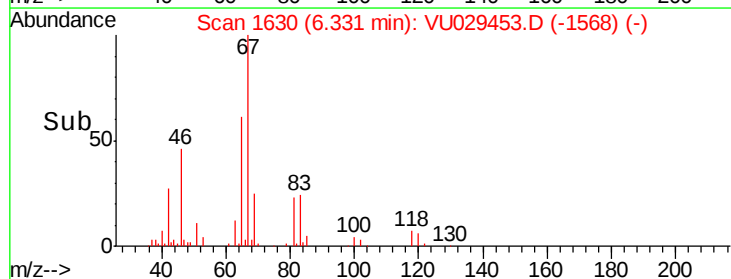
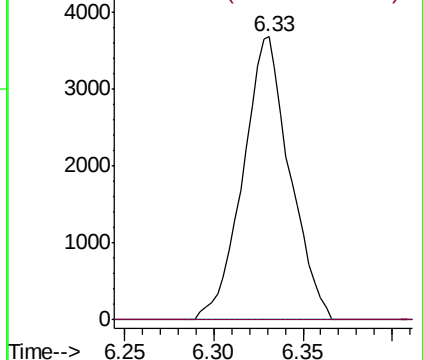
63 100

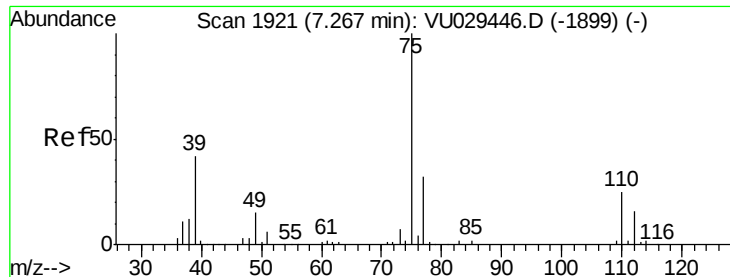
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

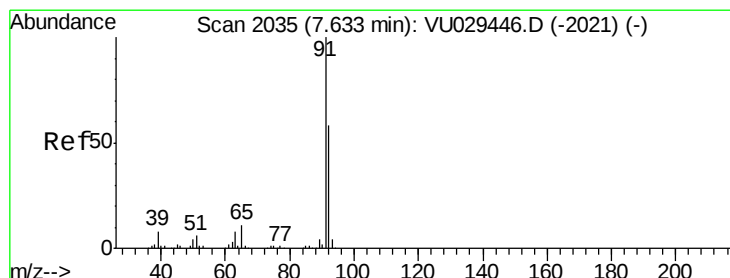
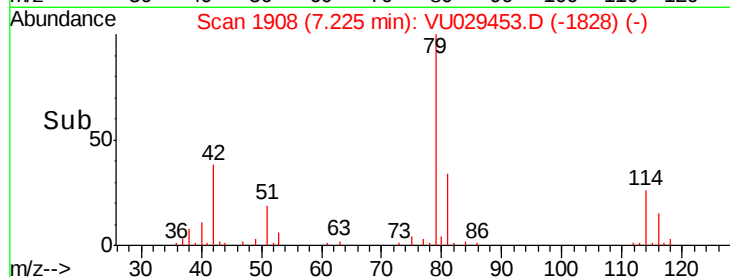
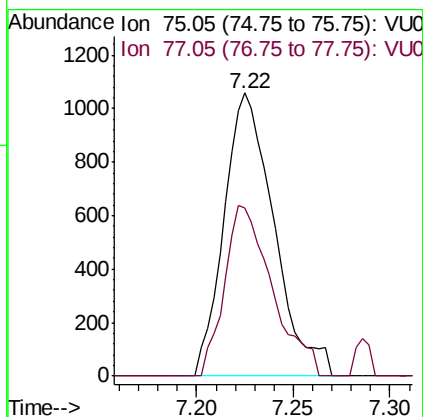
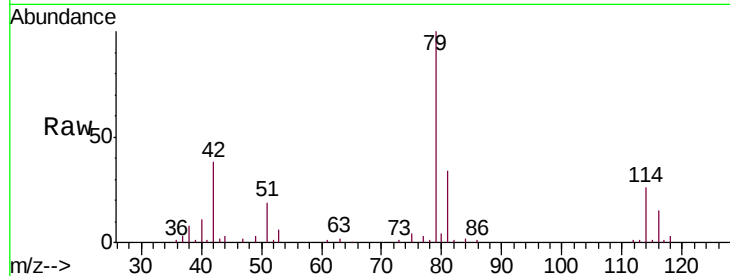




#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029453.D
 Acq: 14 Feb 2019 13:24

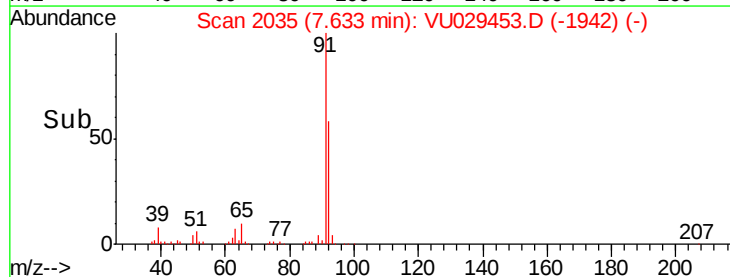
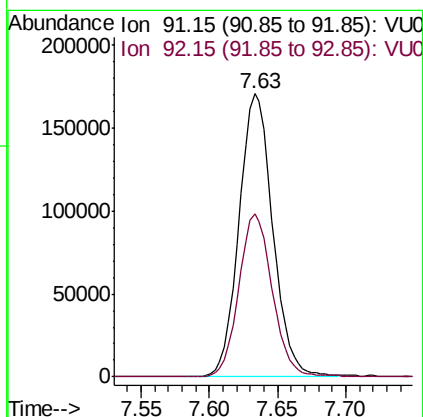
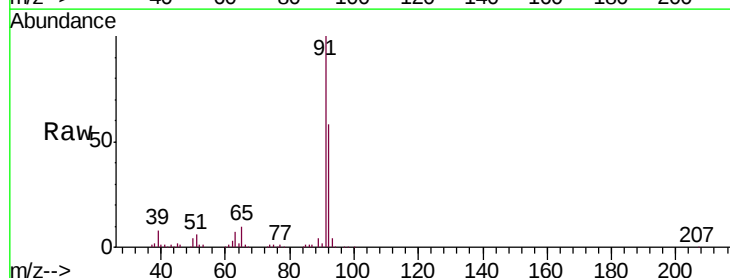
Instrument :
 MSVOA_U
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 ESXB3MSD

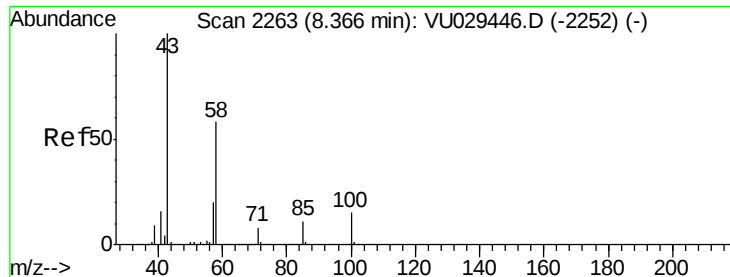
Tgt Ion: 75 Resp: 1903
 Ion Ratio Lower Upper
 75 100
 77 59.4 22.3 41.3#



#42
 Toluene
 Concen: 4.594 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU029453.D
 Acq: 14 Feb 2019 13:24

Tgt Ion: 91 Resp: 293080
 Ion Ratio Lower Upper
 91 100
 92 57.5 39.8 73.8

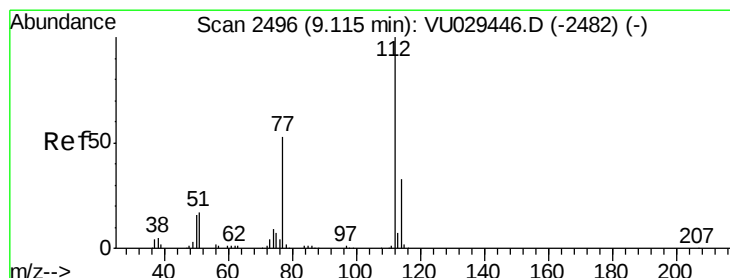
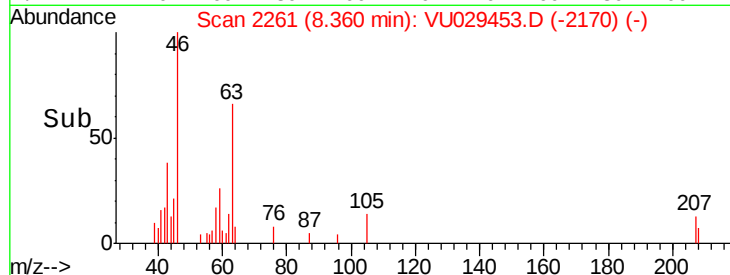
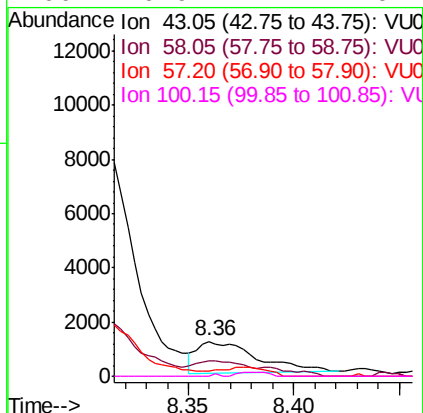
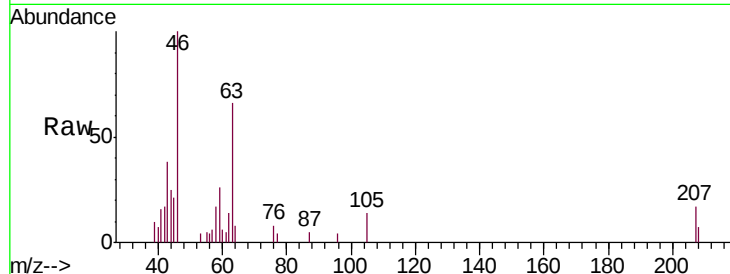




#48
 2-Hexanone
 Concen: 0.393 ug/L
 RT: 8.36 min Scan# 2261
 Delta R.T. -0.01 min
 Lab File: VU029453.D
 Acq: 14 Feb 2019 13:24

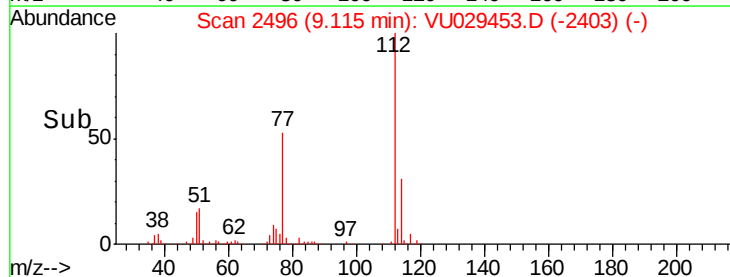
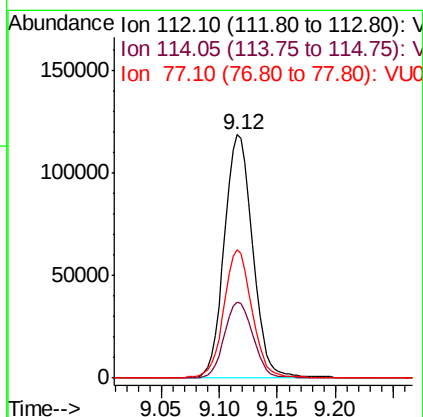
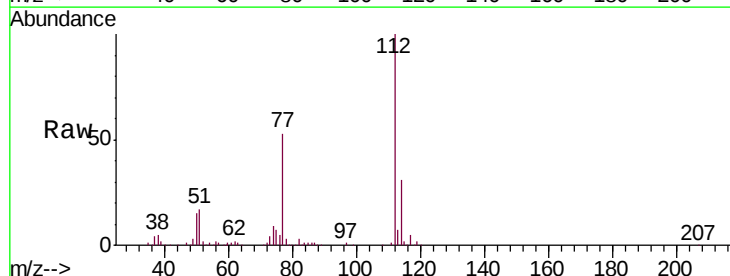
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXB3MSD

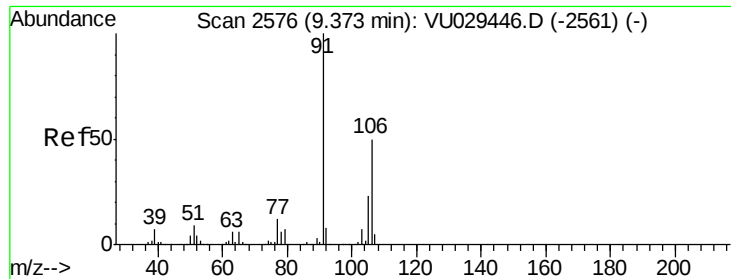
Tgt Ion: 43 Resp: 2348
 Ion Ratio Lower Upper
 43 100
 58 57.4 45.7 68.5
 57 0.0 16.4 24.6#
 100 0.9 11.1 16.7#



#51
 Chlorobenzene
 Concen: 4.584 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU029453.D
 Acq: 14 Feb 2019 13:24

Tgt Ion: 112 Resp: 201102
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.9 42.5
 77 53.0 41.8 62.6





#53

m,p-xylene

Concen: 0.053 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029453.D

Acq: 14 Feb 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

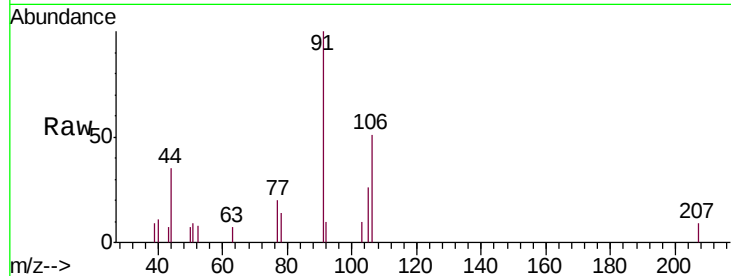
ESXB3MSD

Tgt Ion: 106 Resp: 1538

Ion Ratio Lower Upper

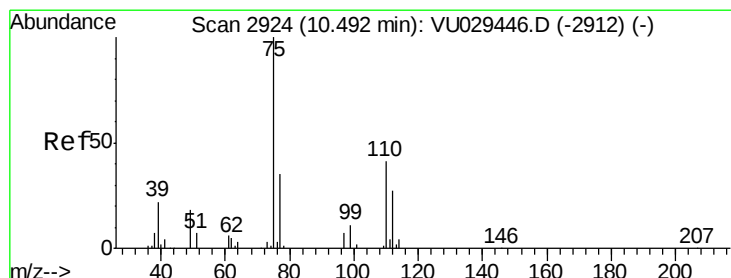
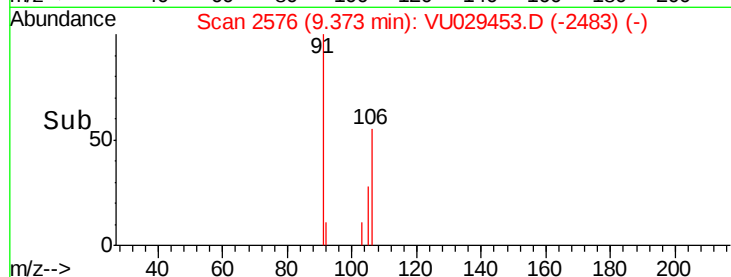
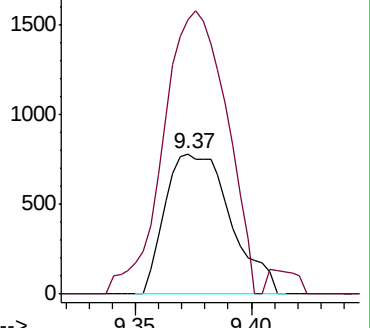
106 100

91 195.7 135.7 251.9



Abundance Ion 106.15 (105.85 to 106.85): VU029446.D (-2561) (-)

Ion 91.15 (90.85 to 91.85): VU029446.D (-2561) (-)



#59

1,2,3-Trichloropropane

Concen: 1.134 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU029453.D

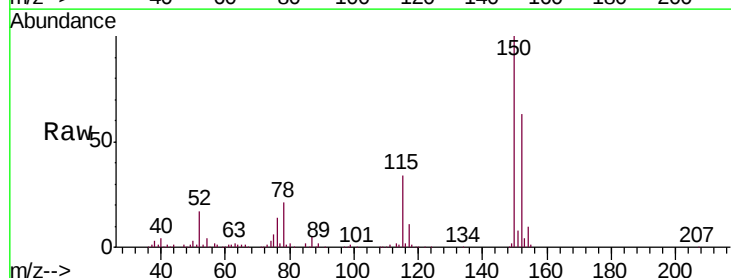
Acq: 14 Feb 2019 13:24

Tgt Ion: 75 Resp: 10352

Ion Ratio Lower Upper

75 100

77 38.3 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU029446.D (-2912) (-)

Ion 77.00 (76.70 to 77.70): VU029446.D (-2912) (-)

