

Data File : VU029473.D
Acq On : 14 Feb 2019 22:18
Operator : JC/SP
Sample : K1438-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXD4

Quant Time: Feb 15 01:59:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	190004	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	176697	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95141	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49901	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.68	69	47813	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.27	63	79118	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.19	46	135128	50.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.82%
24) Chloroform-d	4.65	84	92247	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.31	65	48601	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.34	84	189963	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.33	67	58645	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.56	98	176599	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	7.85	79	21984	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	8.31	63	134447	52.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	52046	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	78714	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.40	62	6136	0.335	ug/L #	1
8) Chloroethane	1.55	64	171106	14.361	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	845	0.051	ug/L #	18
12) 1,1-Dichloroethene	2.29	96	1639	0.105	ug/L #	1
13) Acetone	2.32	43	4650	1.928	ug/L	93
15) Methyl Acetate	2.45	43	7198	1.165	ug/L #	47
18) trans-1,2-Dichloroethene	2.98	96	7084	0.425	ug/L	90
22) cis-1,2-Dichloroethene	4.22	96	327659	21.363	ug/L	99
34) Trichloroethene	6.18	95	2980	0.204	ug/L	91
35) Methylcyclohexane	6.33	83	14270	0.580	ug/L #	22
37) 1,2-Dichloropropane	6.32	63	6583	0.505	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1655	0.081	ug/L #	35
52) Ethylbenzene	9.25	91	2811	0.043	ug/L	95
53) m,p-xylene	9.37	106	6293	0.239	ug/L	95
54) o-xylene	9.78	106	2363	0.091	ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	9022	1.080	ug/L	93

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 01:55:09 2019
Response via : Initial Calibration

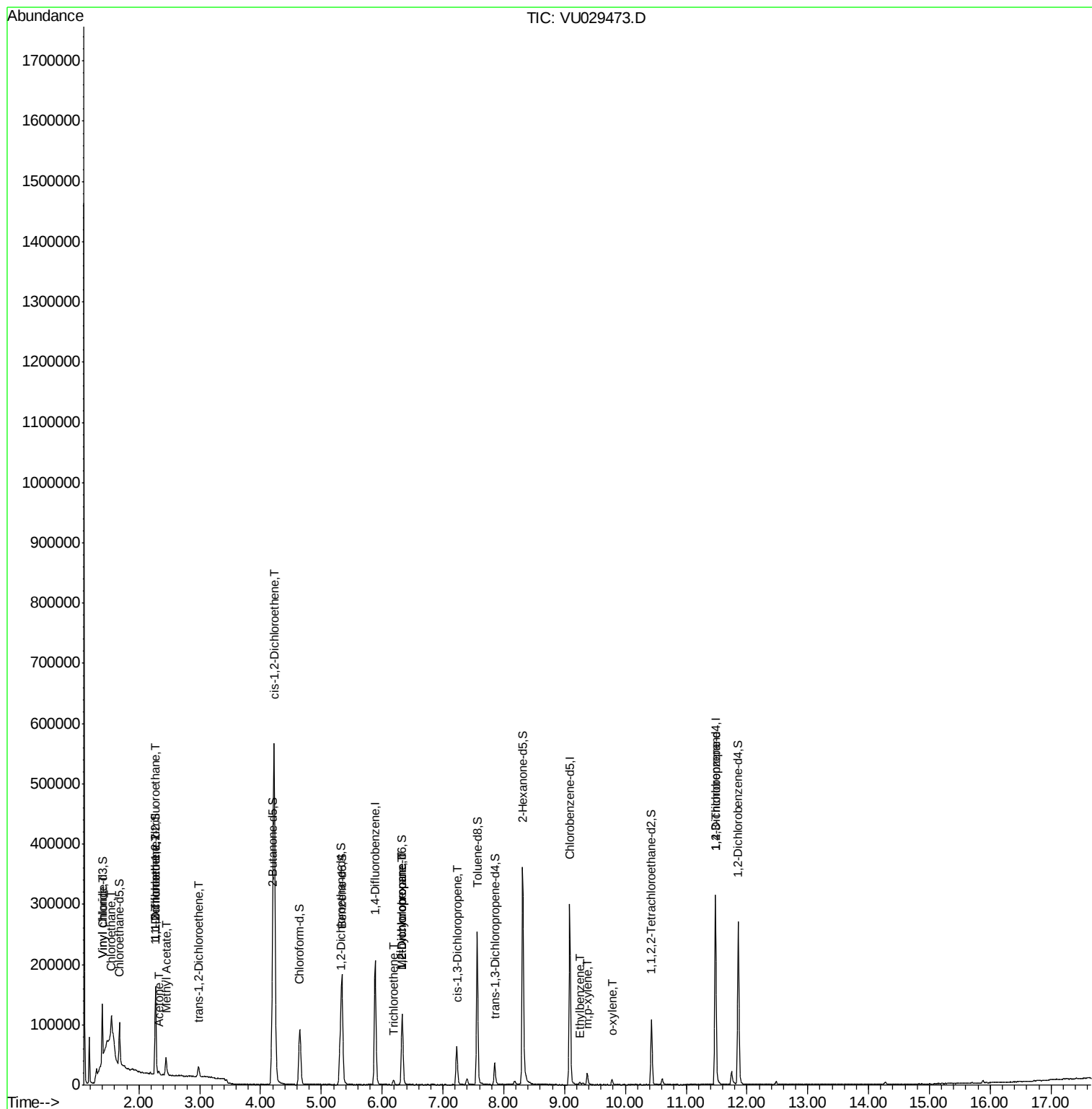
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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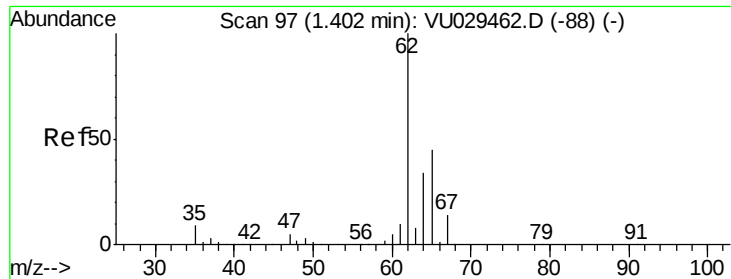
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.335 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029473.D

Acq: 14 Feb 2019 22:18

Instrument :

MSVOA_U

ClientSampleId :

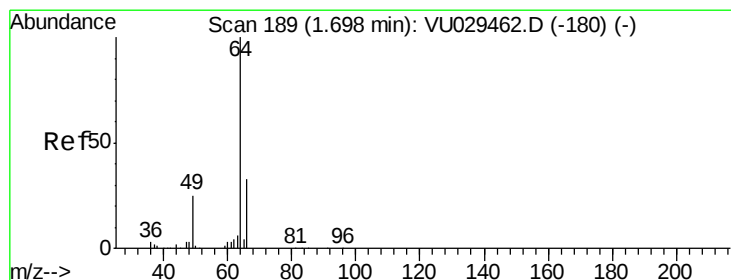
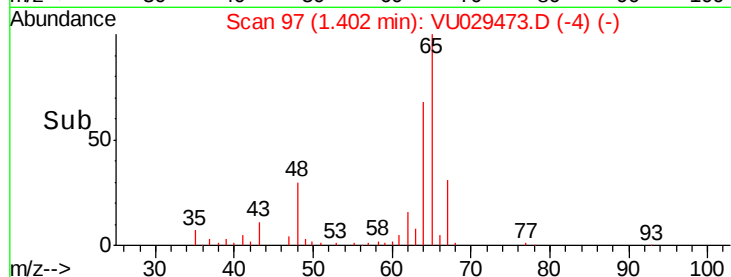
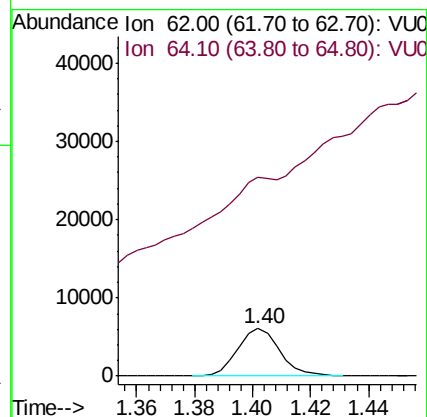
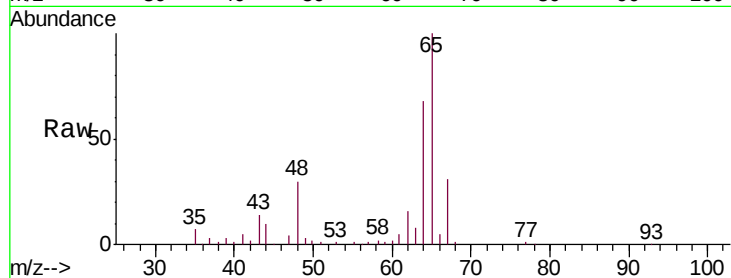
ESXD4

Tgt Ion: 62 Resp: 6136

Ion Ratio Lower Upper

62 100

64 420.9 23.5 43.7#



#8

Chloroethane

Concen: 14.361 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029473.D

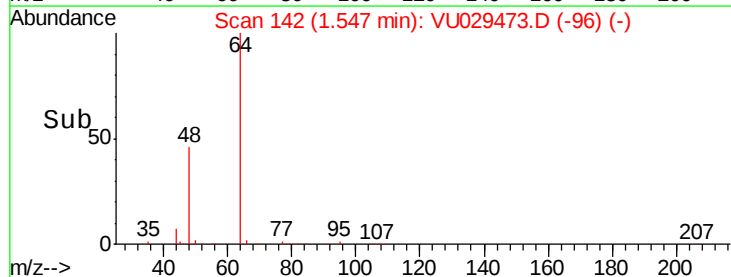
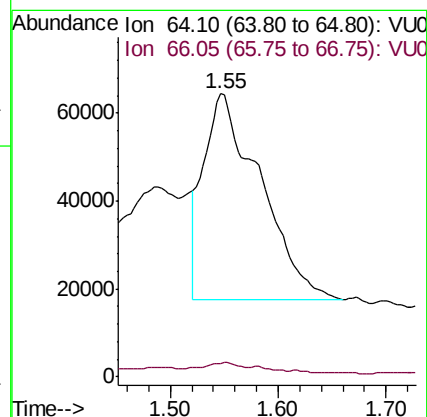
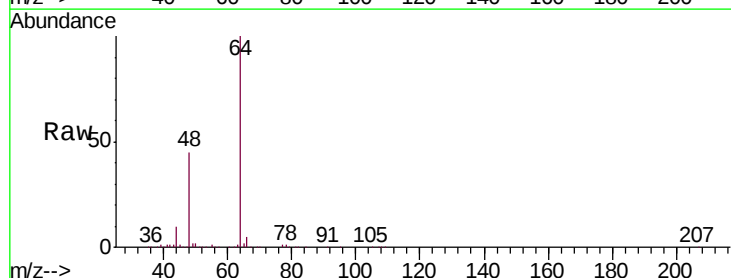
Acq: 14 Feb 2019 22:18

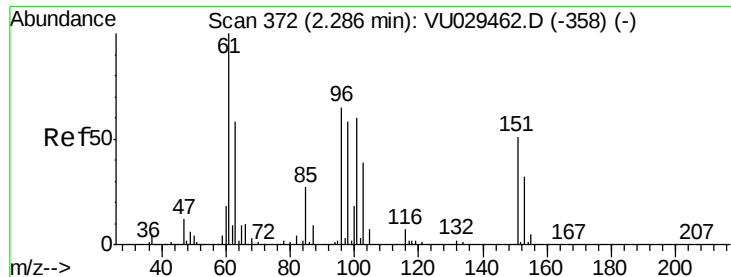
Tgt Ion: 64 Resp: 171106

Ion Ratio Lower Upper

64 100

66 4.9 22.0 40.8#





#10

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

Concen: 0.051 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029473.D

Acq: 14 Feb 2019 22:18

Instrument :

MSVOA_U

ClientSampleId :

ESXD4

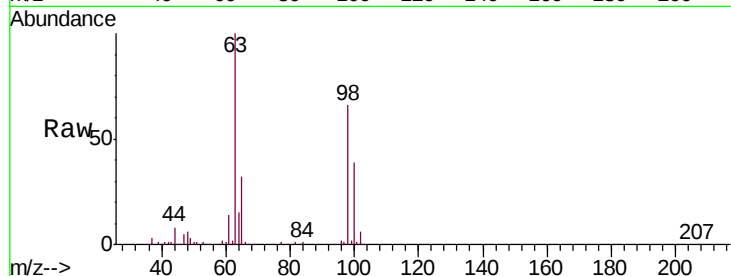
Tgt Ion: 101 Resp: 845

Ion Ratio Lower Upper

101 100

85 4.9 35.1 52.7#

151 0.0 67.0 100.6#

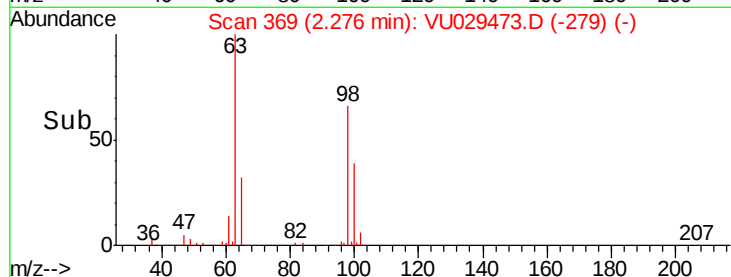
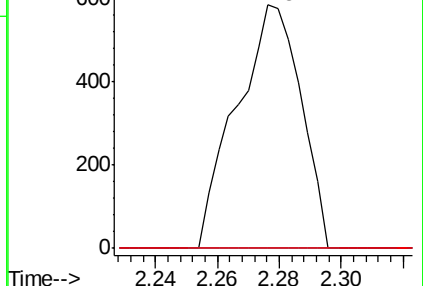


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.28



#12

1,1-Dichloroethene

Concen: 0.105 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029473.D

Acq: 14 Feb 2019 22:18

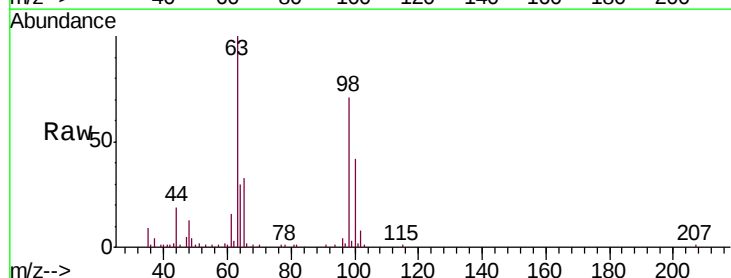
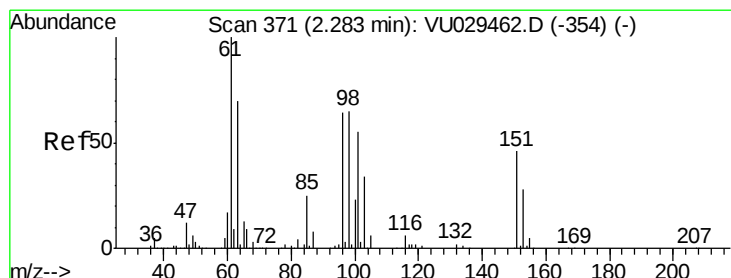
Tgt Ion: 96 Resp: 1639

Ion Ratio Lower Upper

96 100

61 393.8 115.1 213.7#

63 2477.2 83.5 155.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

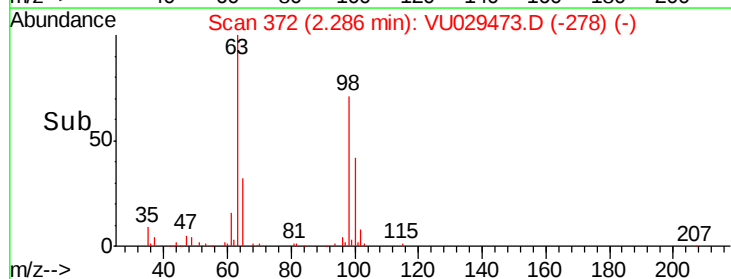
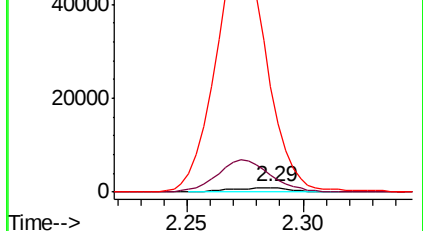
Ion 63.00 (62.70 to 63.70): VU0

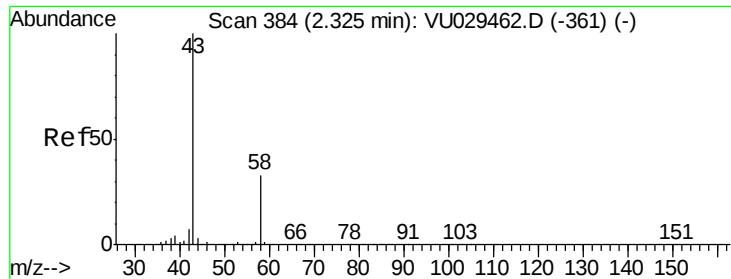
60000

40000

20000

0





#13

Acetone

Concen: 1.928 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU029473.D

Acq: 14 Feb 2019 22:18

Instrument :

MSVOA_U

ClientSampled :

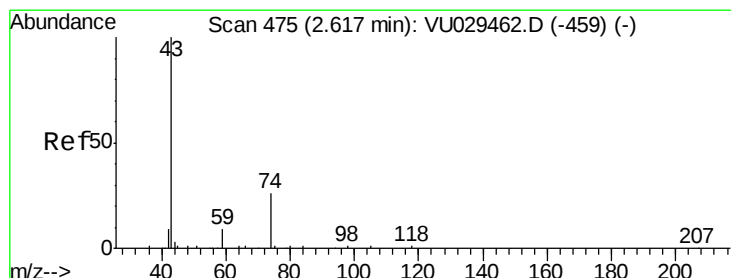
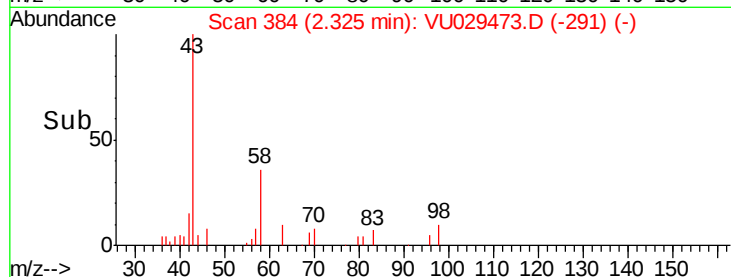
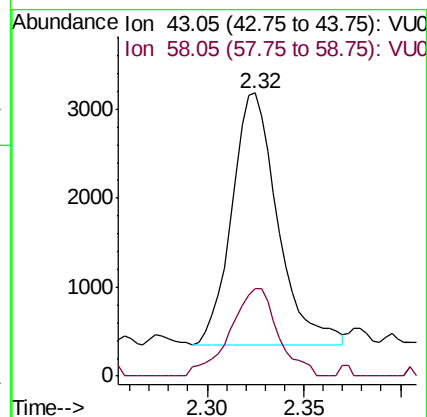
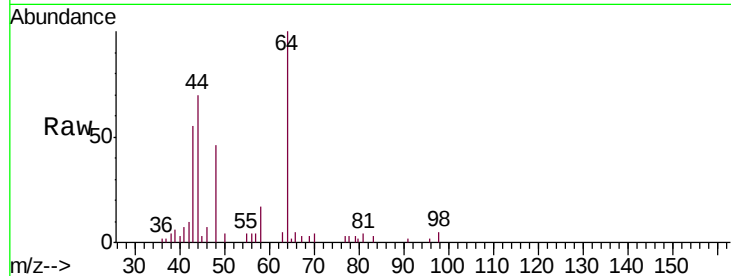
ESXD4

Tgt Ion: 43 Resp: 4650

Ion Ratio Lower Upper

43 100

58 36.6 0.0 65.0



#15

Methyl Acetate

Concen: 1.165 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.17 min

Lab File: VU029473.D

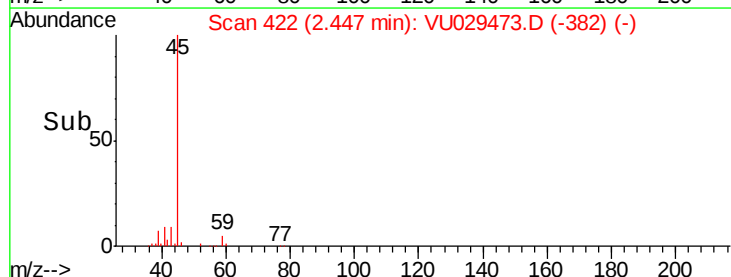
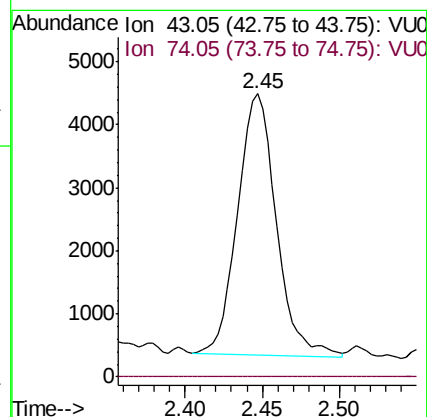
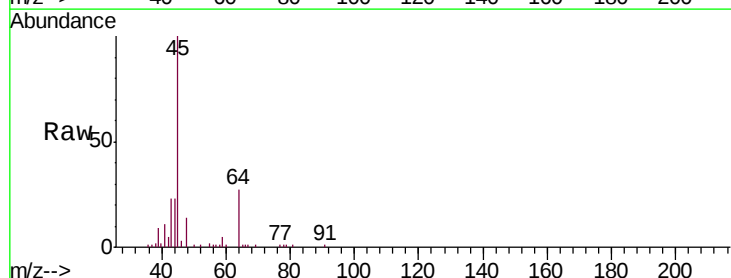
Acq: 14 Feb 2019 22:18

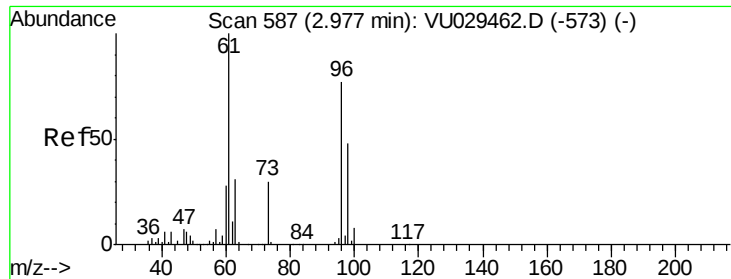
Tgt Ion: 43 Resp: 7198

Ion Ratio Lower Upper

43 100

74 0.0 22.3 33.5#

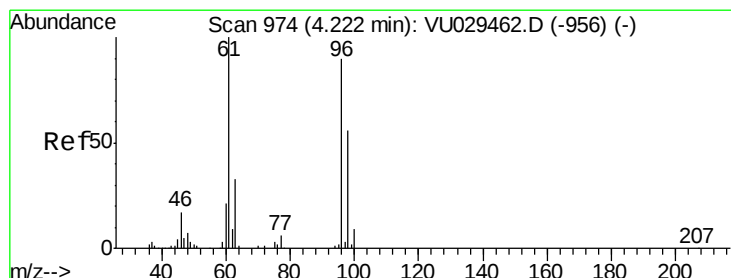
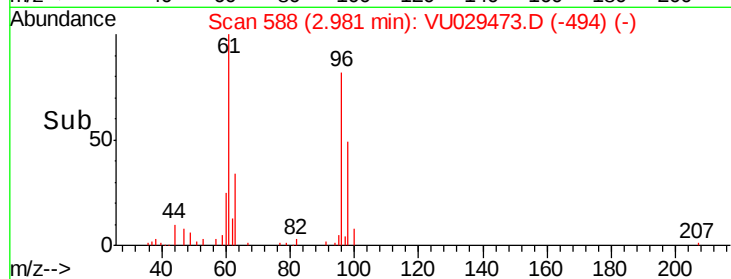
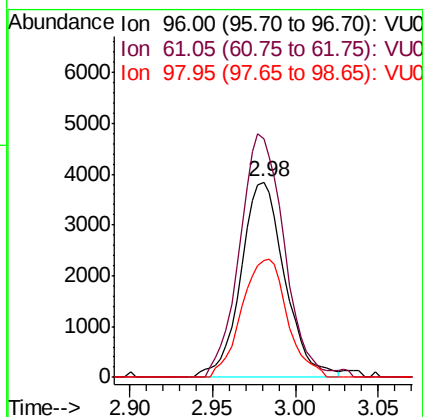
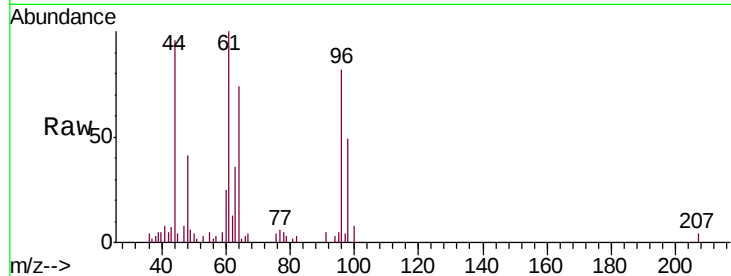




#18
 trans-1,2-Dichloroethene
 Concen: 0.425 ug/L
 RT: 2.98 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU029473.D
 Acq: 14 Feb 2019 22:18

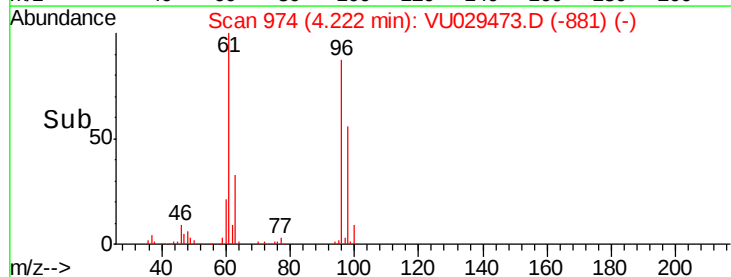
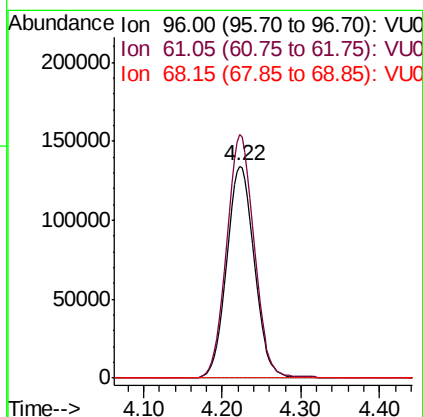
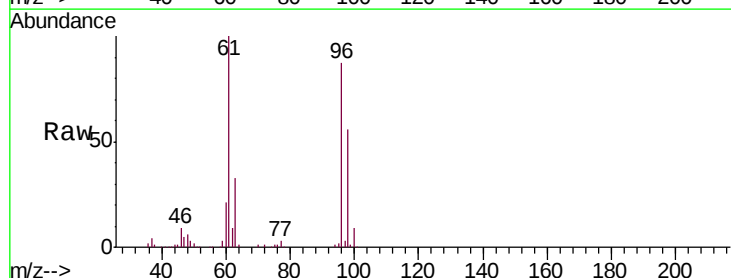
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXD4

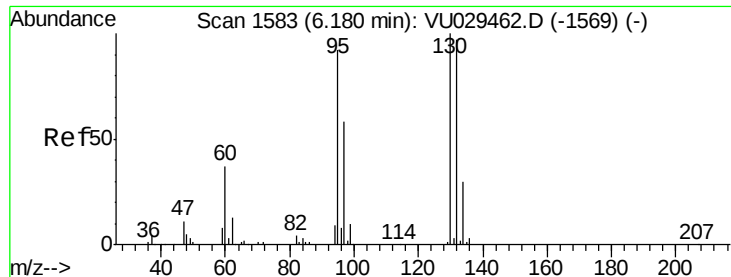
Tgt Ion: 96 Resp: 7084
 Ion Ratio Lower Upper
 96 100
 61 122.0 95.4 177.2
 98 60.0 45.8 85.2



#22
 cis-1,2-Dichloroethene
 Concen: 21.363 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029473.D
 Acq: 14 Feb 2019 22:18

Tgt Ion: 96 Resp: 327659
 Ion Ratio Lower Upper
 96 100
 61 114.8 79.9 148.5
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 0.204 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029473.D

Acq: 14 Feb 2019 22:18

Instrument :

MSVOA_U

ClientSampleId :

ESXD4

Tgt Ion: 95 Resp: 2980

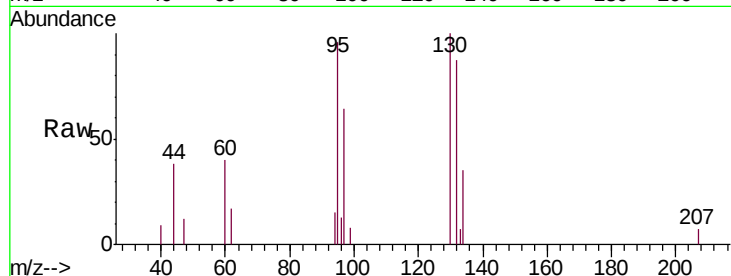
Ion Ratio Lower Upper

95 100

97 66.8 46.3 86.1

132 90.4 72.9 135.3

130 103.9 79.2 147.0

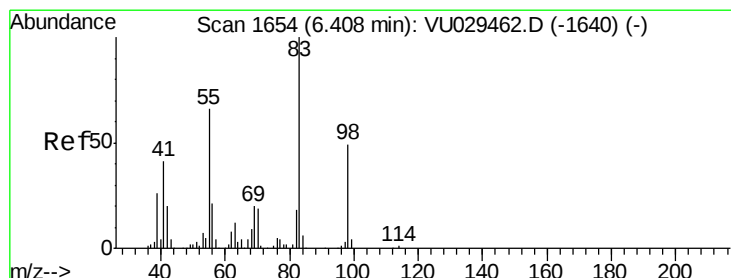
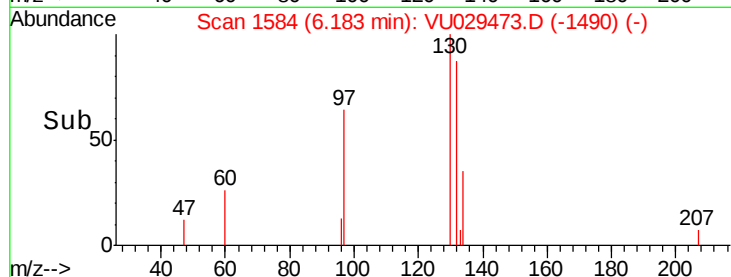
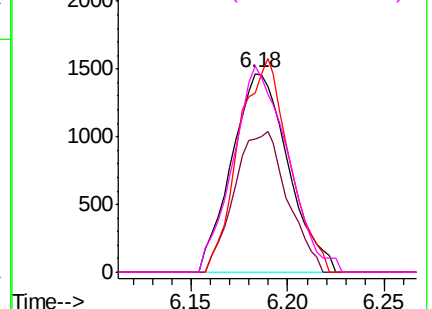


Abundance Ion 95.00 (94.70 to 95.70): VU029462.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU029462.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU029462.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU029462.D (-1569) (-)



#35

Methylcyclohexane

Concen: 0.580 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.08 min

Lab File: VU029473.D

Acq: 14 Feb 2019 22:18

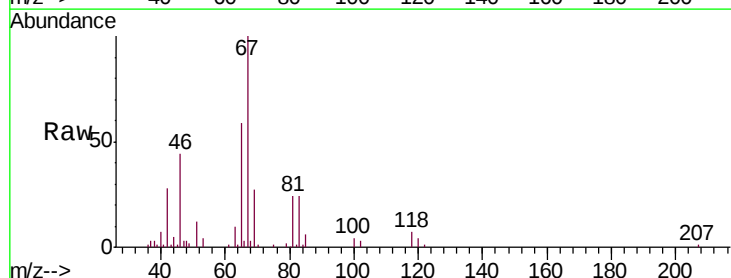
Tgt Ion: 83 Resp: 14270

Ion Ratio Lower Upper

83 100

55 1.7 55.9 83.9#

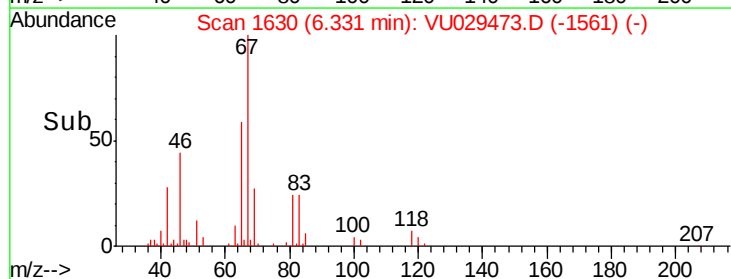
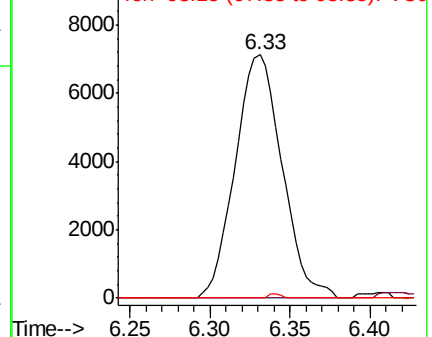
98 0.5 38.6 57.8#

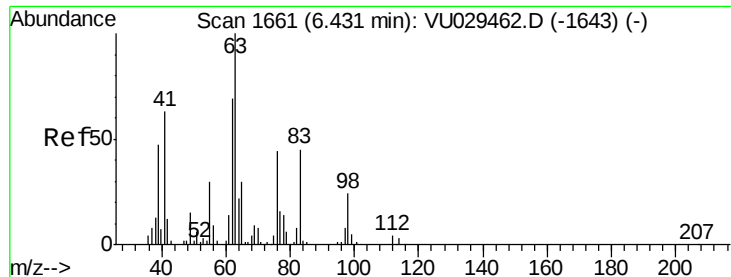


Abundance Ion 83.15 (82.85 to 83.85): VU029462.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU029462.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU029462.D (-1640) (-)





#37

1,2-Dichloropropane

Concen: 0.505 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.11 min

Lab File: VU029473.D

Acq: 14 Feb 2019 22:18

Instrument :

MSVOA_U

ClientSampleId :

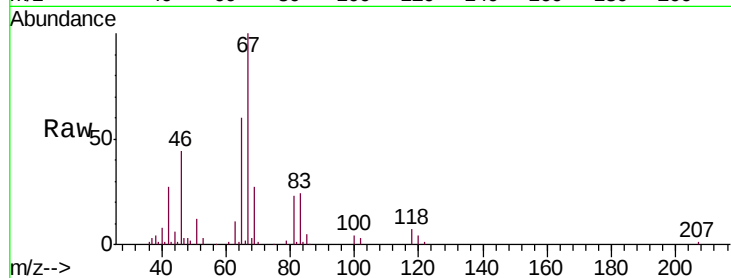
ESXD4

Tgt Ion: 63 Resp: 6583

Ion Ratio Lower Upper

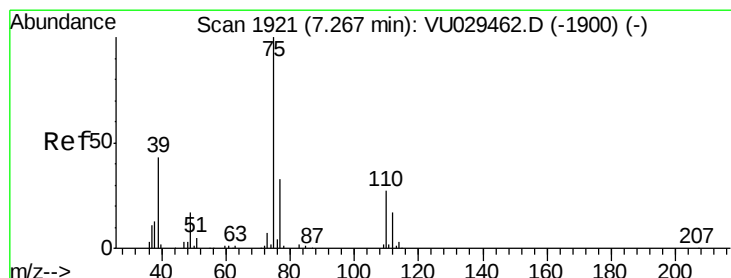
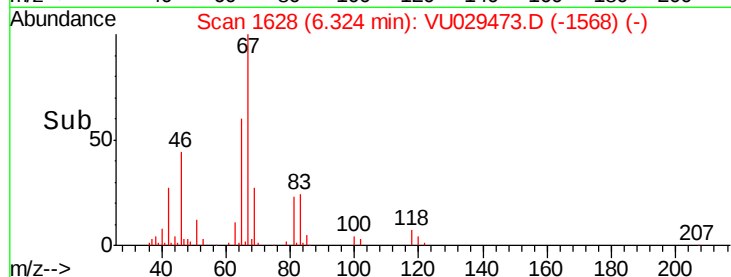
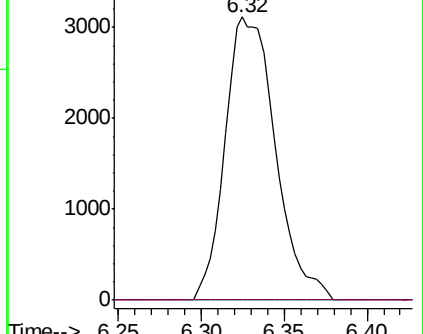
63 100

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: 0.081 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029473.D

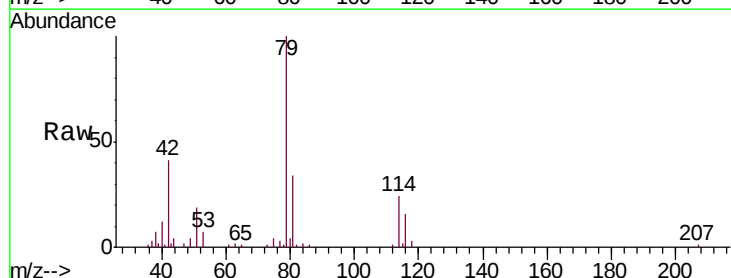
Acq: 14 Feb 2019 22:18

Tgt Ion: 75 Resp: 1655

Ion Ratio Lower Upper

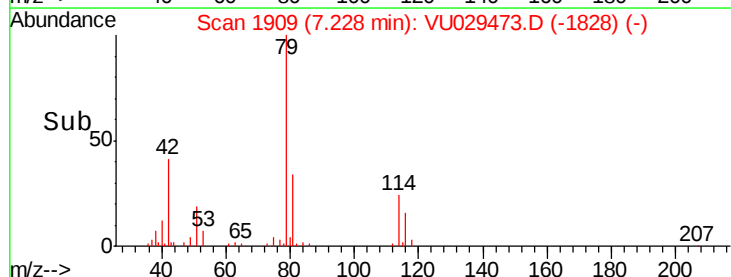
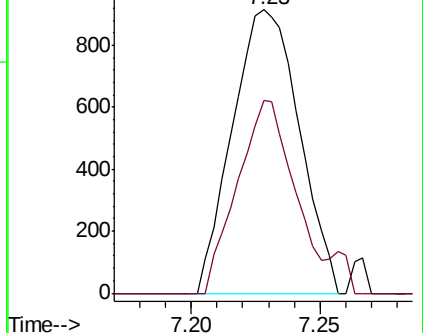
75 100

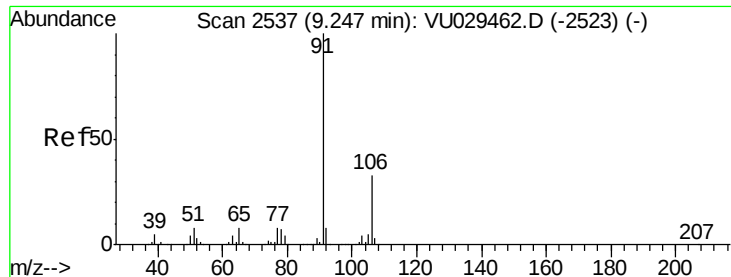
77 68.2 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#52

Ethylbenzene

Concen: 0.043 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029473.D

Acq: 14 Feb 2019 22:18

Instrument :

MSVOA_U

ClientSampleId :

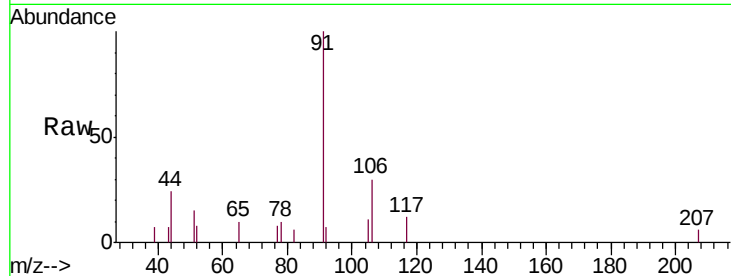
ESXD4

Tgt Ion: 91 Resp: 2811

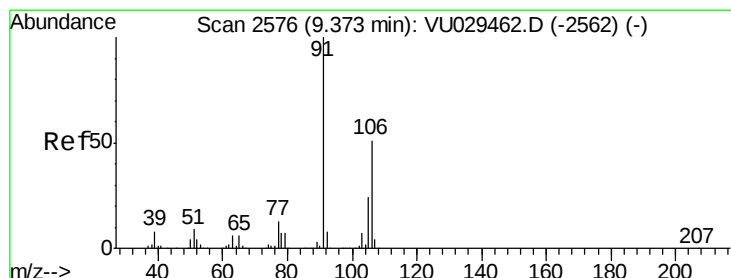
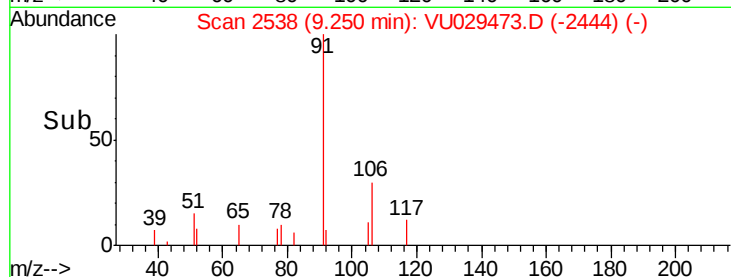
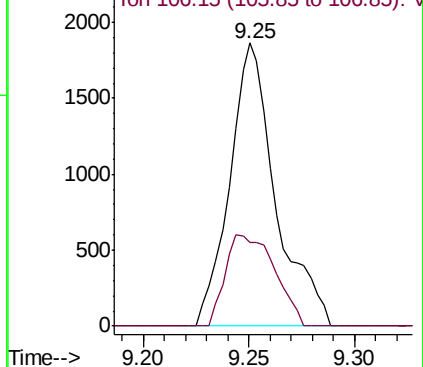
Ion Ratio Lower Upper

91 100

106 29.5 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU029462.D (-2523) (-)



#53

m,p-xylene

Concen: 0.239 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029473.D

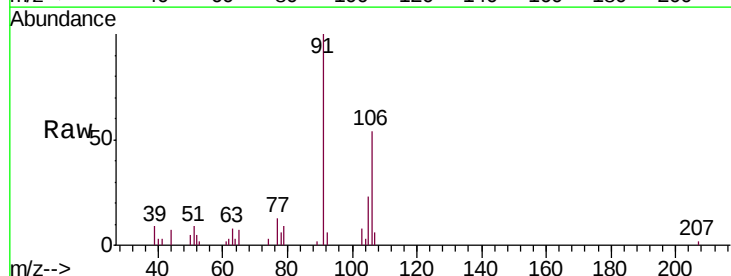
Acq: 14 Feb 2019 22:18

Tgt Ion: 106 Resp: 6293

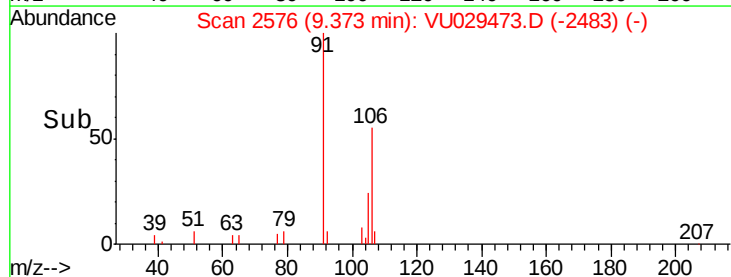
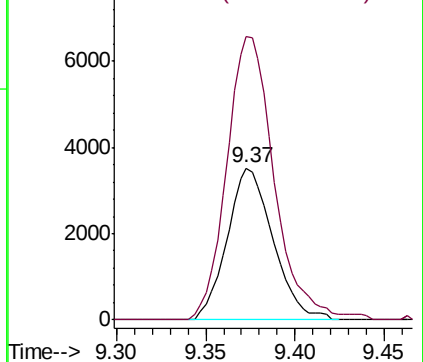
Ion Ratio Lower Upper

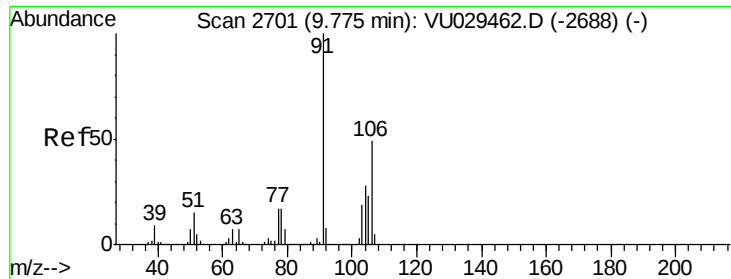
106 100

91 186.7 135.7 251.9



Abundance Ion 106.15 (105.85 to 106.85): VU029462.D (-2562) (-)





#54

o-xylene

Concen: 0.091 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU029473.D

Acq: 14 Feb 2019 22:18

Instrument :

MSVOA_U

ClientSampleId :

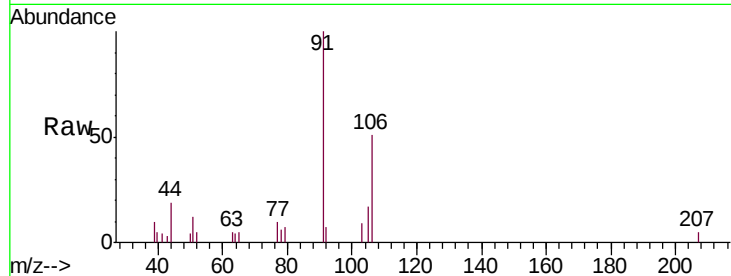
ESXD4

Tgt Ion: 106 Resp: 2363

Ion Ratio Lower Upper

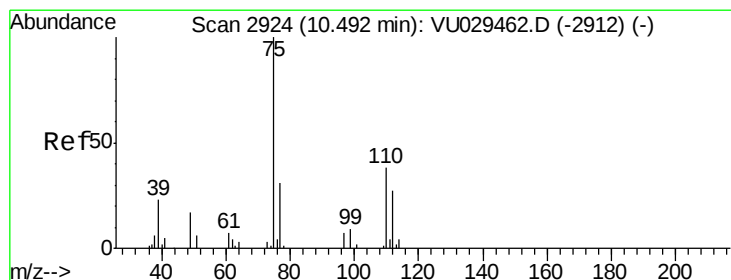
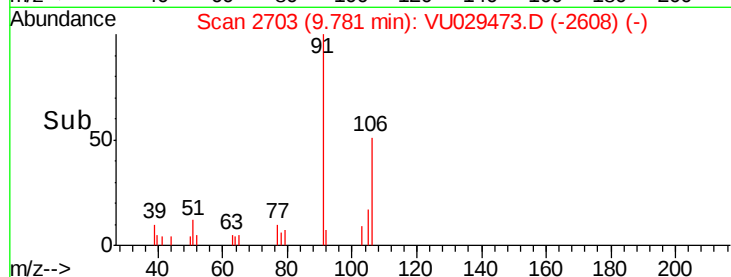
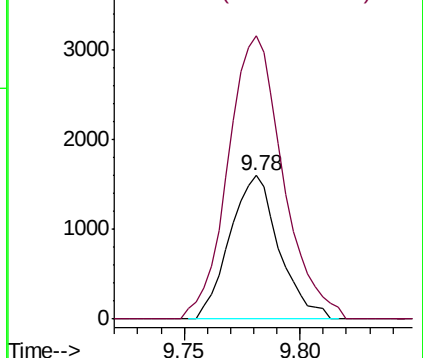
106 100

91 197.5 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): VU029462.D (-2688) (-)

Ion 91.15 (90.85 to 91.85): VU029462.D (-2688) (-)



#59

1,2,3-Trichloropropane

Concen: 1.080 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029473.D

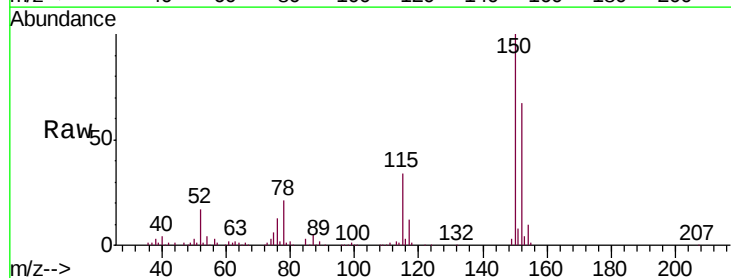
Acq: 14 Feb 2019 22:18

Tgt Ion: 75 Resp: 9022

Ion Ratio Lower Upper

75 100

77 39.5 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU029462.D (-2912) (-)

Ion 77.00 (76.70 to 77.70): VU029462.D (-2912) (-)

