

Data File : VU029575.D
Acq On : 20 Feb 2019 13:03
Operator : JC/SP
Sample : K1488-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXF3

Quant Time: Feb 21 04:26:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 21 04:23:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	204293	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	195489	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106443	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50494	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.68	69	49838	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	2.27	63	84462	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.19	46	160762	56.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	4.65	84	98032	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.31	65	59366	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.34	84	214716	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.33	67	69100	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.56	98	203789	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.85	79	25642	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.31	63	160724	56.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	62374	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	96924	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	1286	0.076 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	914	0.051 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	910	0.054 ug/L #	1
13) Acetone	2.32	43	12975	5.005 ug/L	99
15) Methyl Acetate	2.62	43	1037	0.156 ug/L	98
25) Chloroform	4.67	83	10720	0.397 ug/L	94
27) 1,2-Dichloroethane	5.41	62	15484	0.990 ug/L #	93
35) Methylcyclohexane	6.33	83	16351	0.601 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7189	0.499 ug/L #	87
42) Toluene	7.64	91	5004	0.077 ug/L	89
48) 2-Hexanone	8.37	43	3031	0.501 ug/L #	84
52) Ethylbenzene	9.25	91	23578	0.322 ug/L	97
53) m,p-xylene	9.37	106	50616	1.736 ug/L	98
54) o-xylene	9.78	106	25769	0.900 ug/L	99
55) Styrene	9.79	104	2159	0.045 ug/L #	1
69) Naphthalene	13.75	128	2398	0.053 ug/L #	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 21 04:23:07 2019
Response via : Initial Calibration

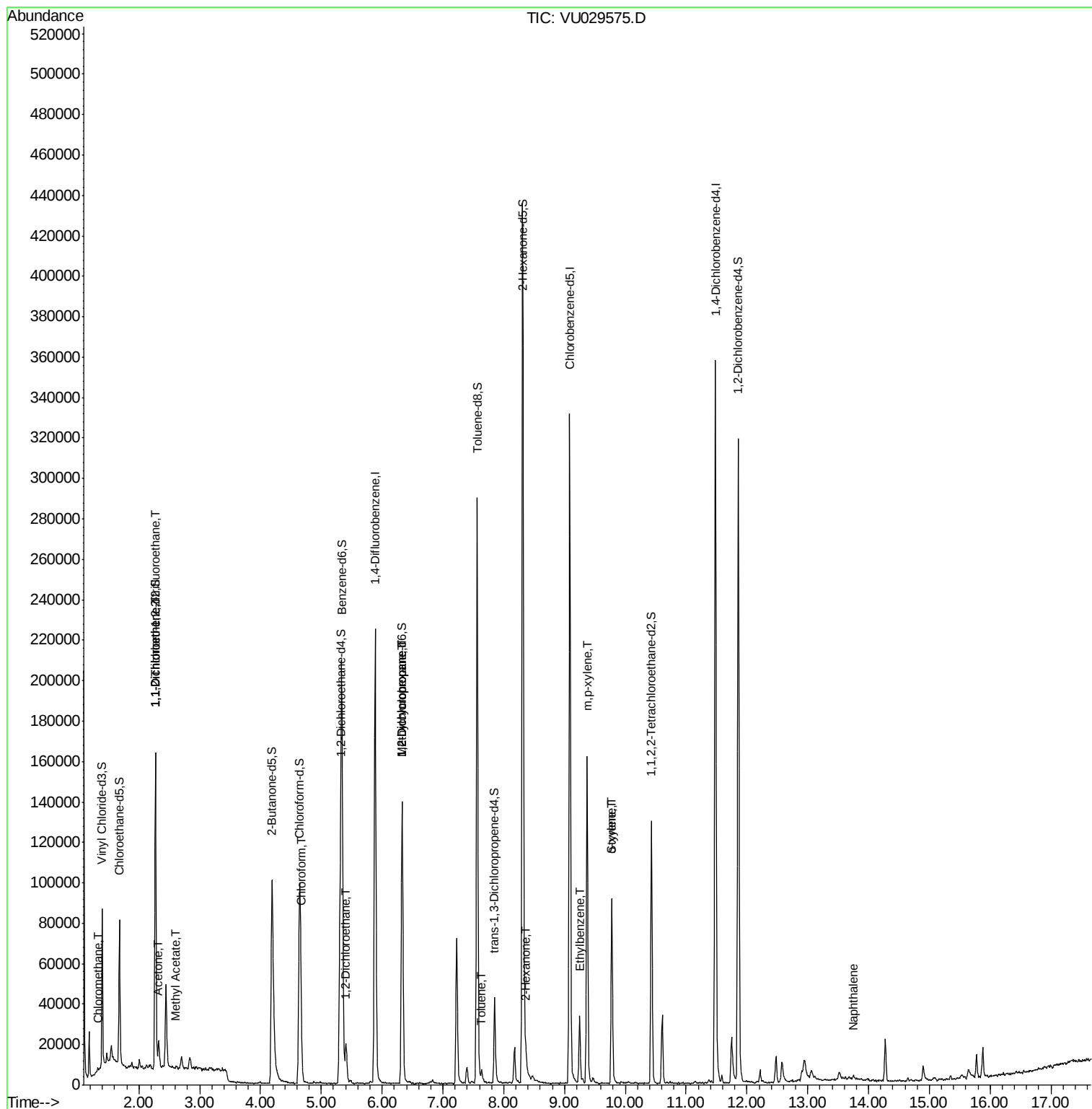
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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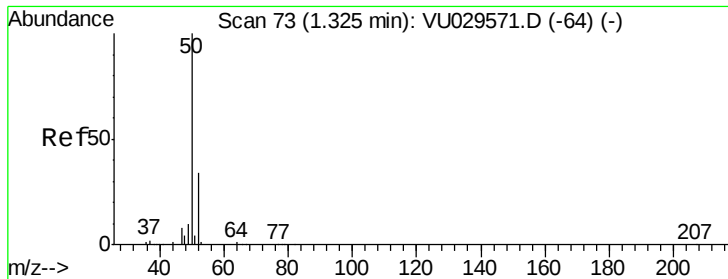
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.076 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

Instrument :

MSVOA_U

ClientSampled :

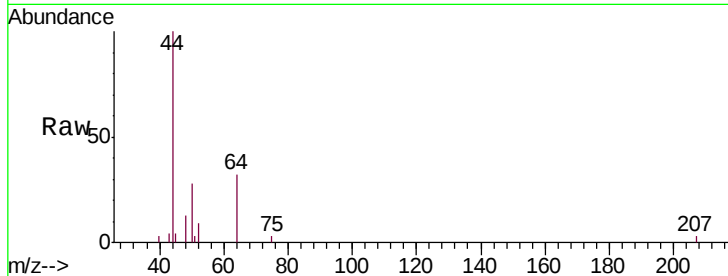
ESXF3

Tgt Ion: 50 Resp: 1286

Ion Ratio Lower Upper

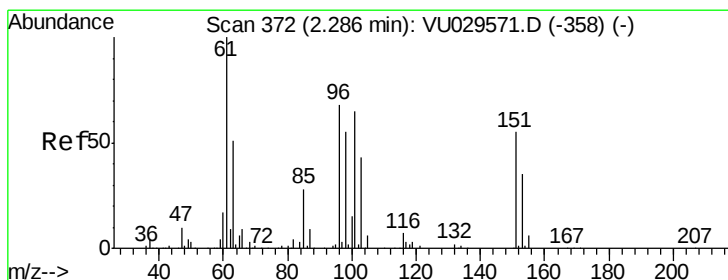
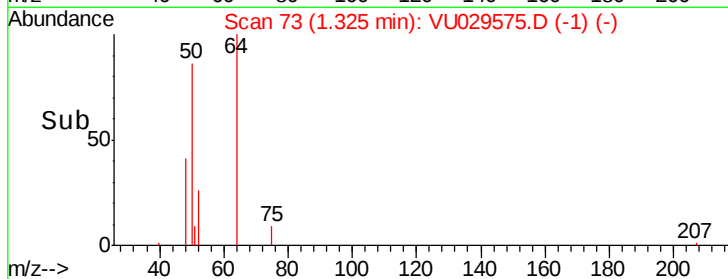
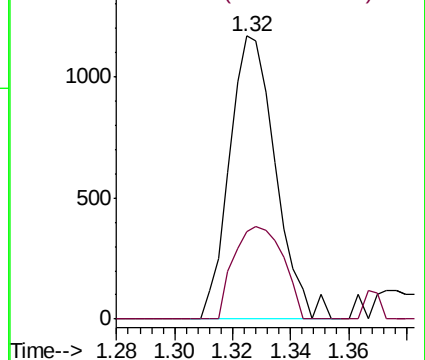
50 100

52 30.8 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#10

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

Concen: 0.051 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

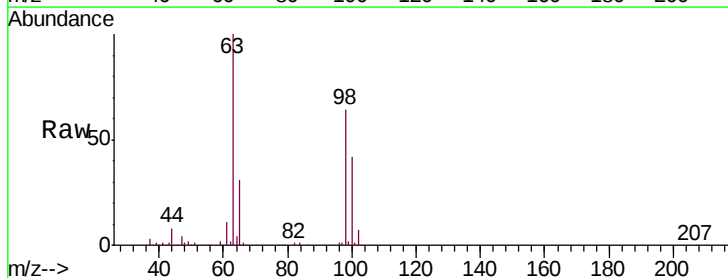
Tgt Ion: 101 Resp: 914

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

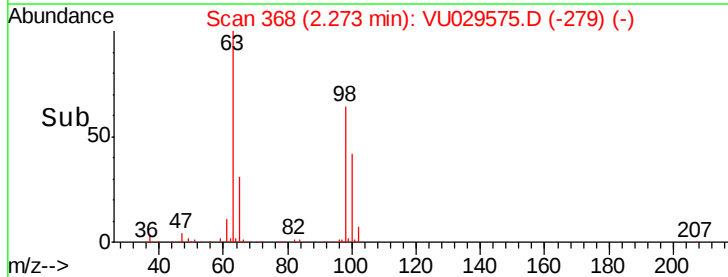
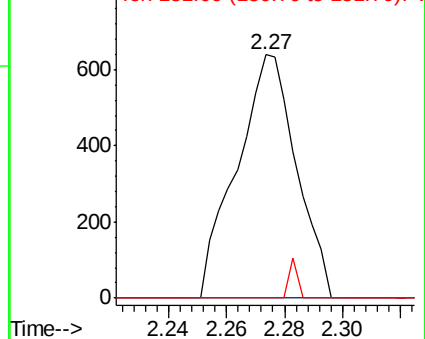
151 2.2 67.0 100.6#

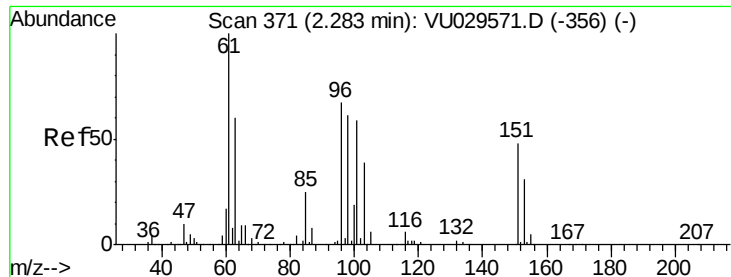


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.054 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

ESXF3

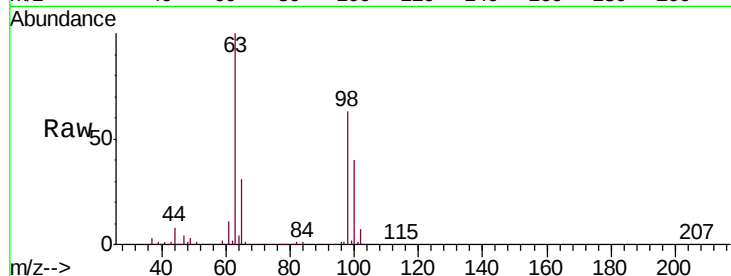
Tgt Ion: 96 Resp: 910

Ion Ratio Lower Upper

96 100

61 1090.9 115.1 213.7#

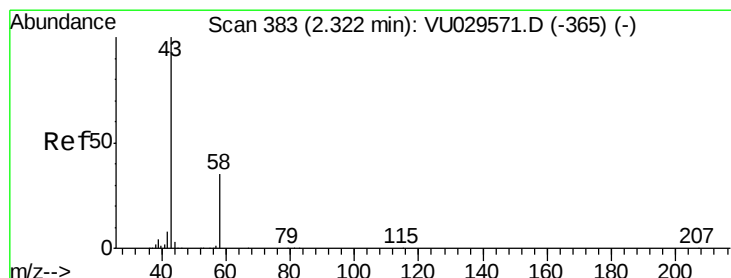
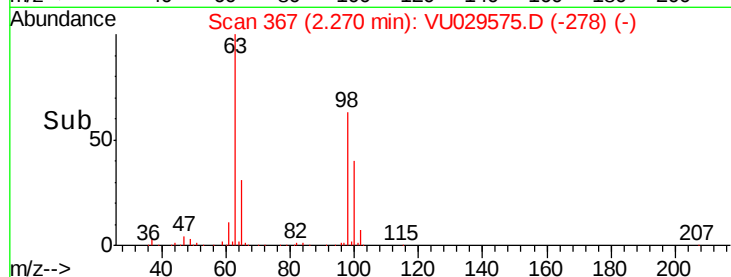
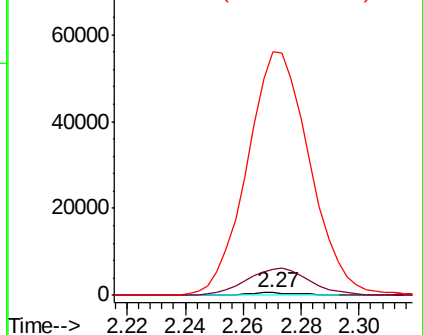
63 10224.8 83.5 155.1#



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: 5.005 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029575.D

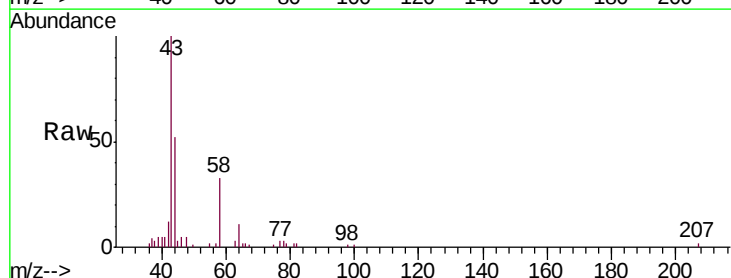
Acq: 20 Feb 2019 13:03

Tgt Ion: 43 Resp: 12975

Ion Ratio Lower Upper

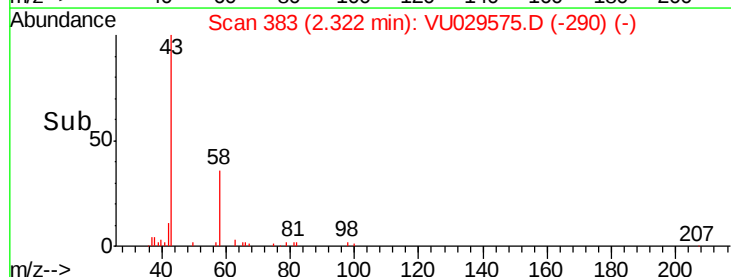
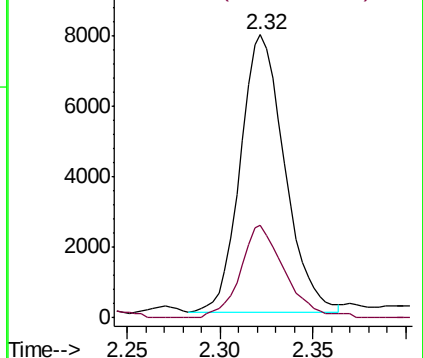
43 100

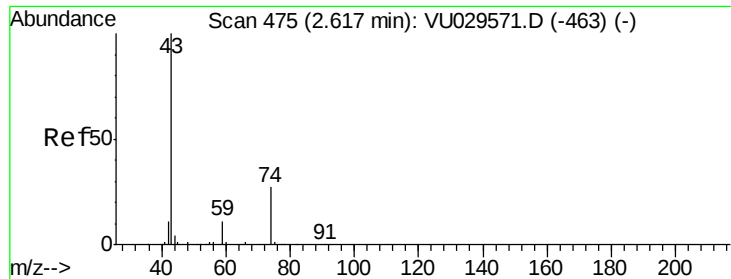
58 33.0 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#15

Methyl Acetate

Concen: 0.156 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

Instrument :

MSVOA_U

ClientSampled :

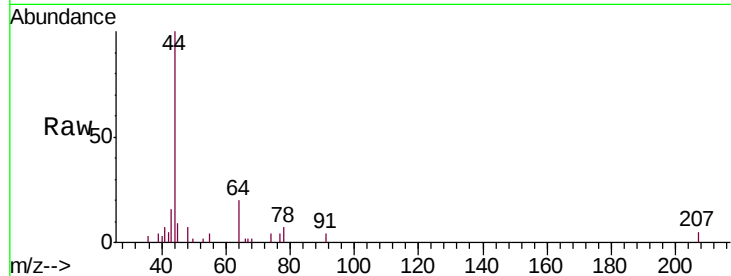
ESXF3

Tgt Ion: 43 Resp: 1037

Ion Ratio Lower Upper

43 100

74 26.9 22.3 33.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.62

600

400

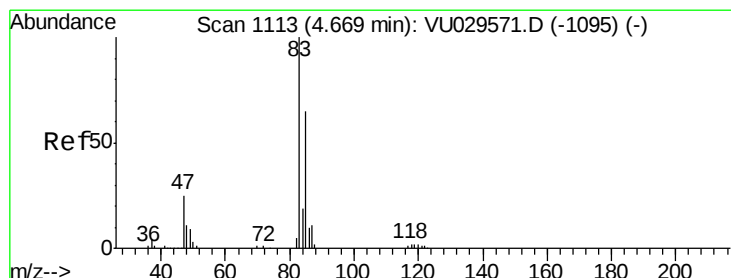
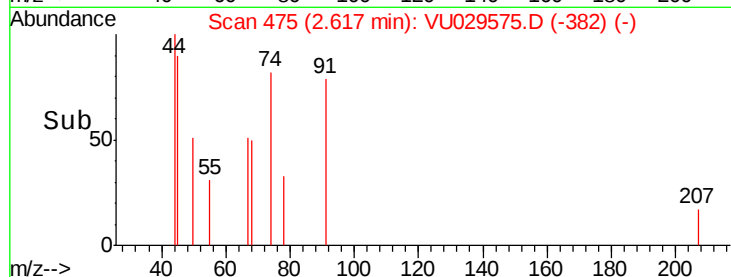
200

0

2.60

2.65

Time-->



#25

Chloroform

Concen: 0.397 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029575.D

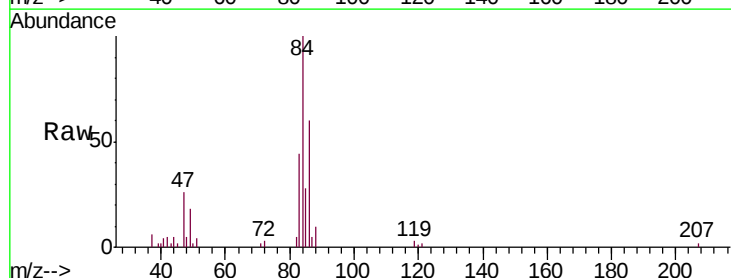
Acq: 20 Feb 2019 13:03

Tgt Ion: 83 Resp: 10720

Ion Ratio Lower Upper

83 100

85 63.8 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

5000

4000

3000

2000

1000

0

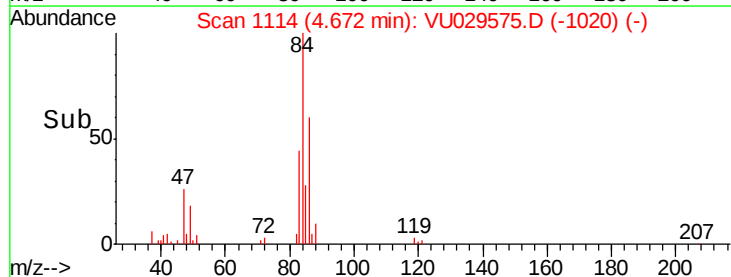
4.60

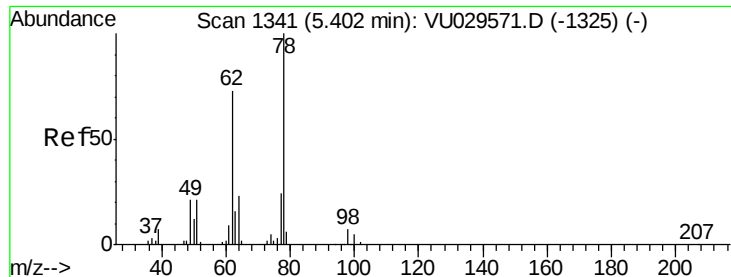
4.65

4.70

4.75

Time-->





#27

1,2-Dichloroethane

Concen: 0.990 ug/L

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

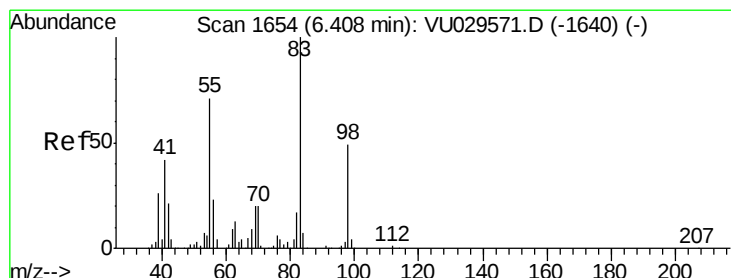
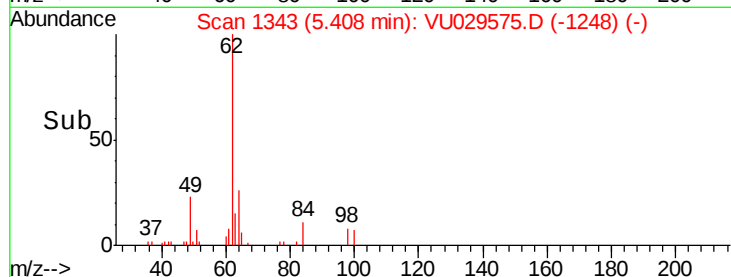
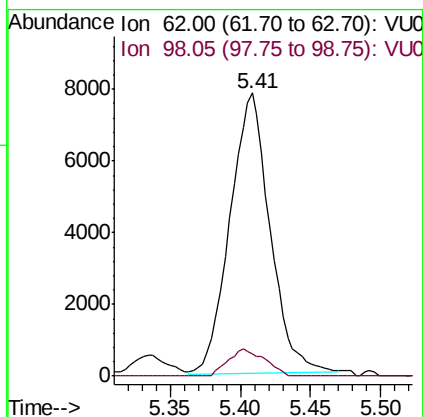
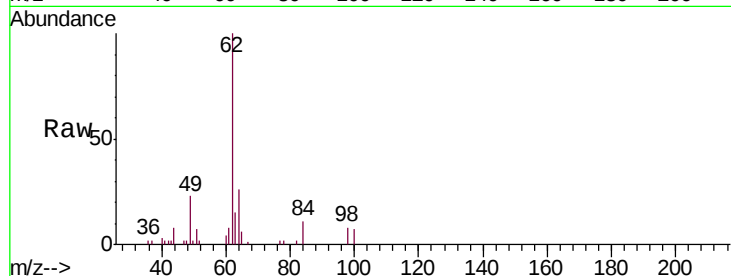
ESXF3

Tgt Ion: 62 Resp: 15484

Ion Ratio Lower Upper

62 100

98 7.9 8.4 12.6#



#35

Methylcyclohexane

Concen: 0.601 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

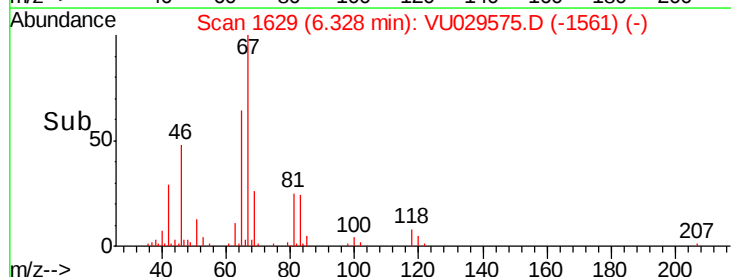
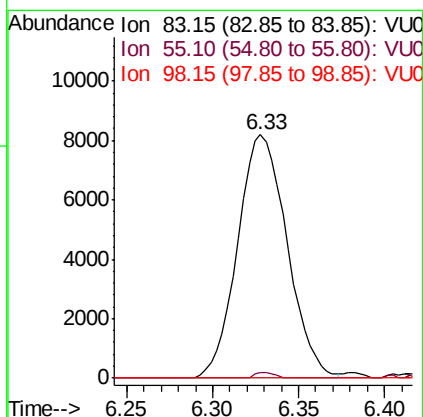
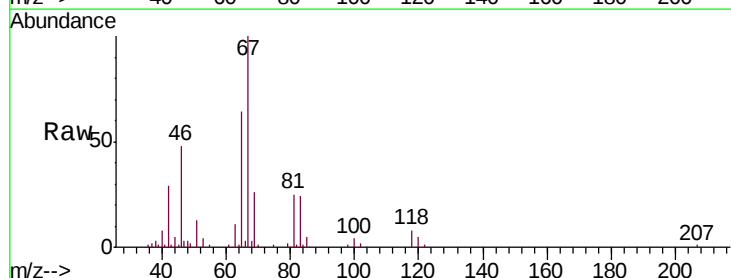
Tgt Ion: 83 Resp: 16351

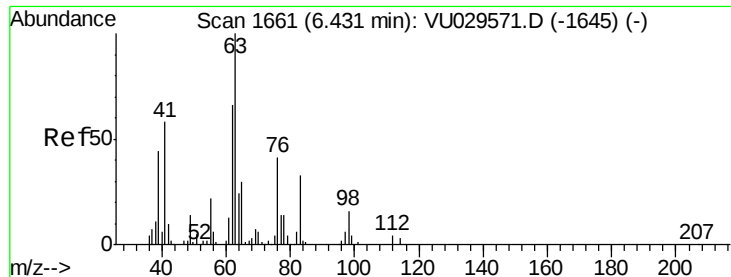
Ion Ratio Lower Upper

83 100

55 1.0 55.9 83.9#

98 0.0 38.6 57.8#





#37

1,2-Dichloropropane

Concen: 0.499 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

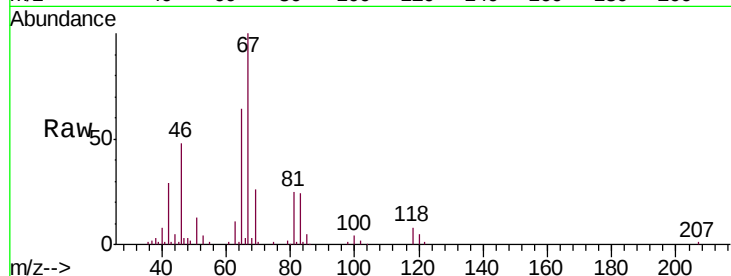
ESXF3

Tgt Ion: 63 Resp: 7189

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

4000

3000

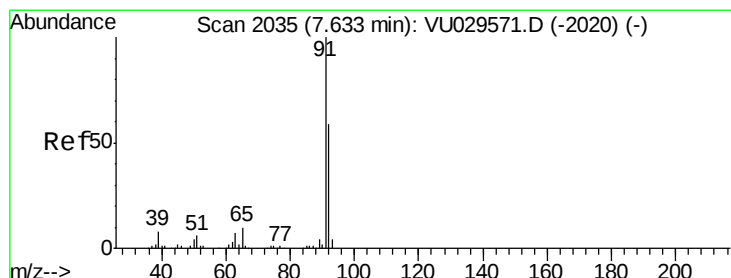
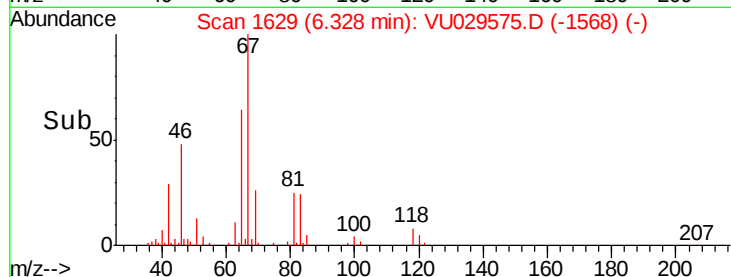
2000

1000

0

6.25 6.30 6.35 6.40

Time-->



#42

Toluene

Concen: 0.077 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029575.D

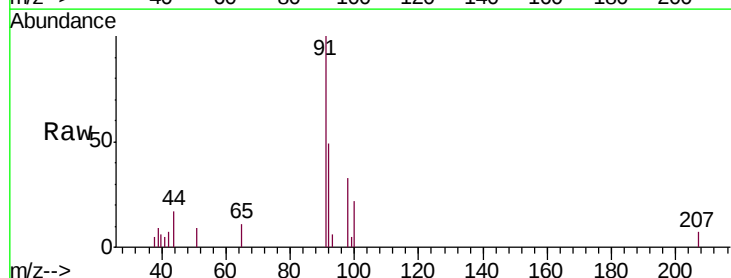
Acq: 20 Feb 2019 13:03

Tgt Ion: 91 Resp: 5004

Ion Ratio Lower Upper

91 100

92 48.9 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

3000

2500

2000

1500

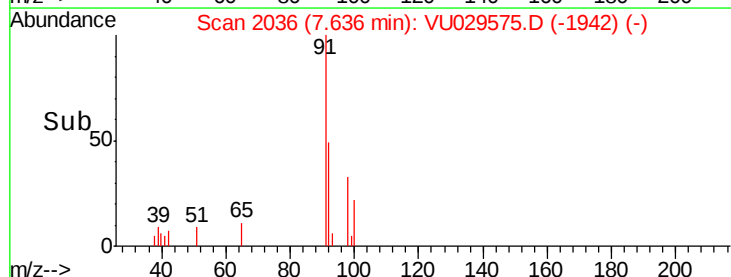
1000

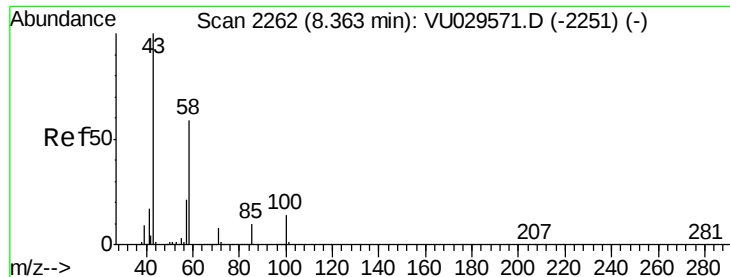
500

0

7.60 7.65 7.70

Time-->





#48

2-Hexanone

Concen: 0.501 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

ESXF3

Tgt Ion: 43 Resp: 3031

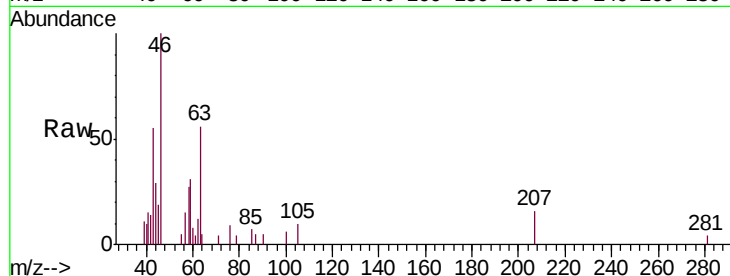
Ion Ratio Lower Upper

43 100

58 67.2 45.7 68.5

57 33.9 16.4 24.6#

100 11.1 11.1 16.7#

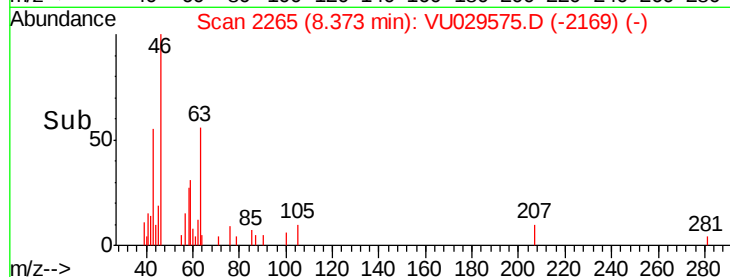


Abundance Ion 43.05 (42.75 to 43.75): VU0

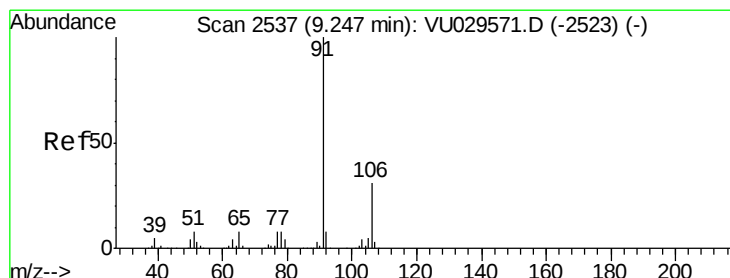
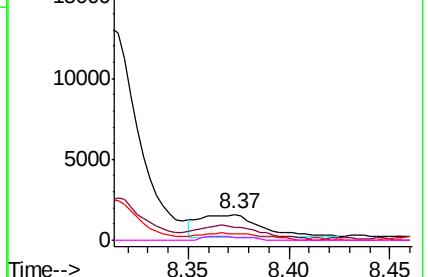
Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



Time-->



#52

Ethylbenzene

Concen: 0.322 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029575.D

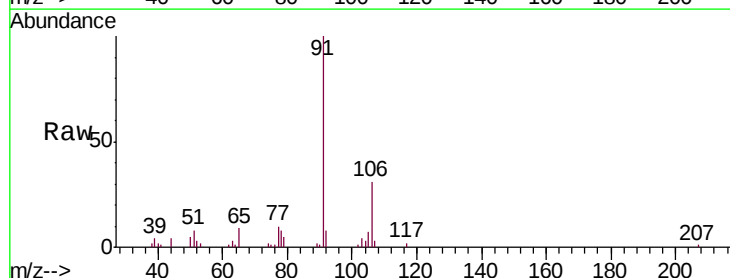
Acq: 20 Feb 2019 13:03

Tgt Ion: 91 Resp: 23578

Ion Ratio Lower Upper

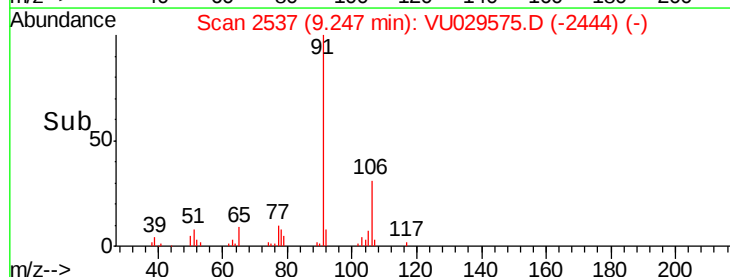
91 100

106 30.8 22.8 42.4

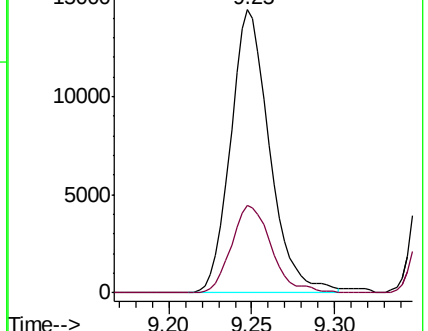


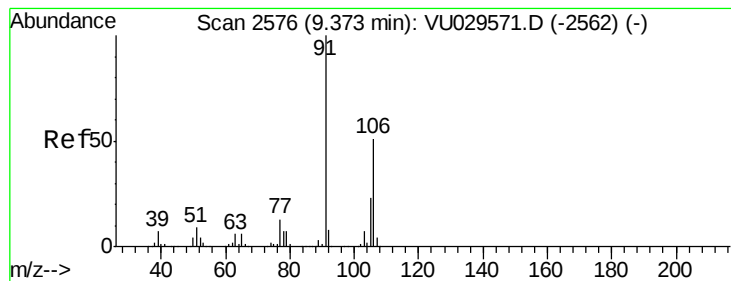
Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): VU0



Time-->





#53

m,p-xylene

Concen: 1.736 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

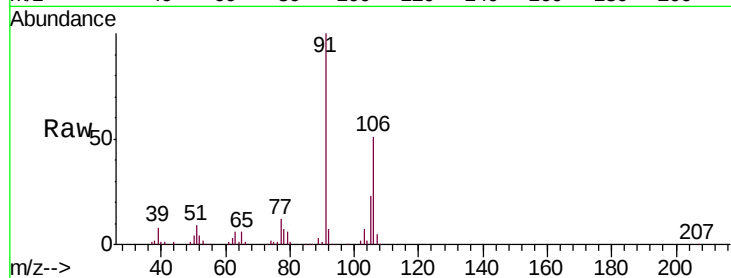
ESXF3

Tgt Ion:106 Resp: 50616

Ion Ratio Lower Upper

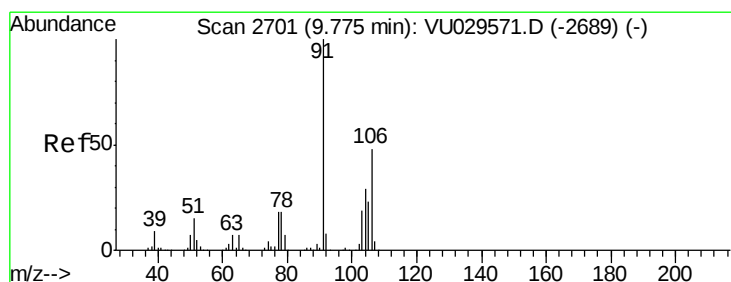
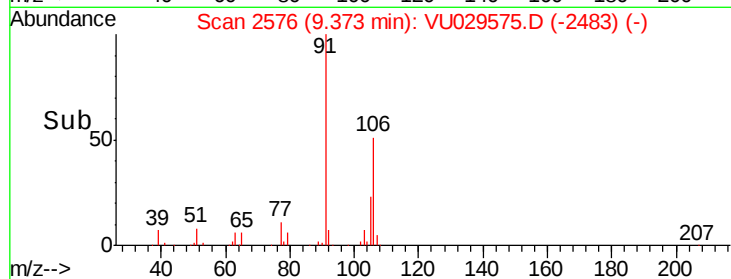
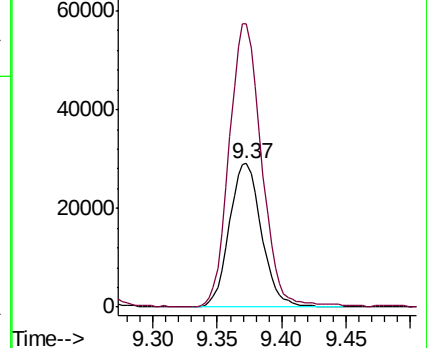
106 100

91 197.3 135.7 251.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-xylene

Concen: 0.900 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029575.D

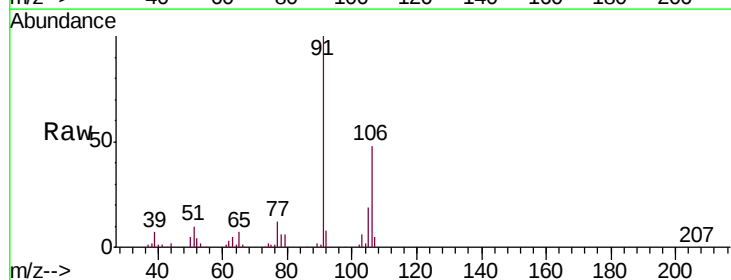
Acq: 20 Feb 2019 13:03

Tgt Ion:106 Resp: 25769

Ion Ratio Lower Upper

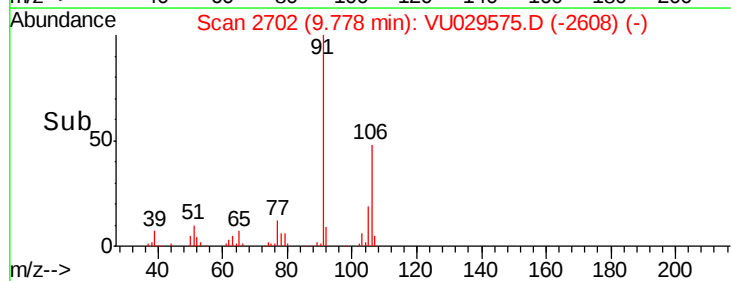
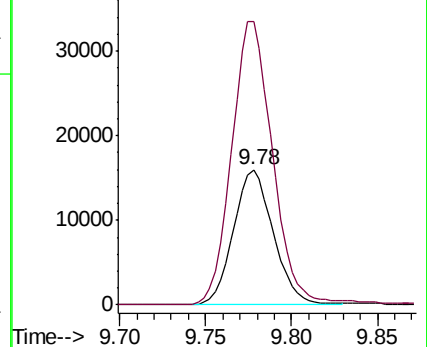
106 100

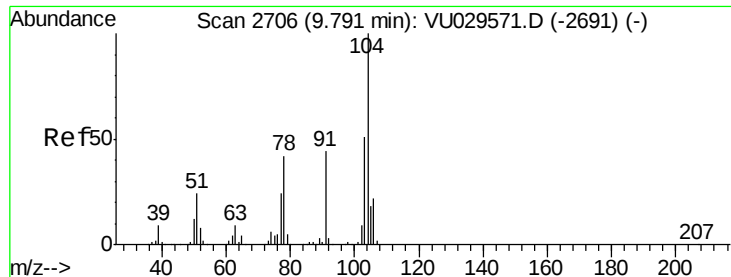
91 209.1 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.045 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

Instrument :

MSVOA_U

ClientSampleId :

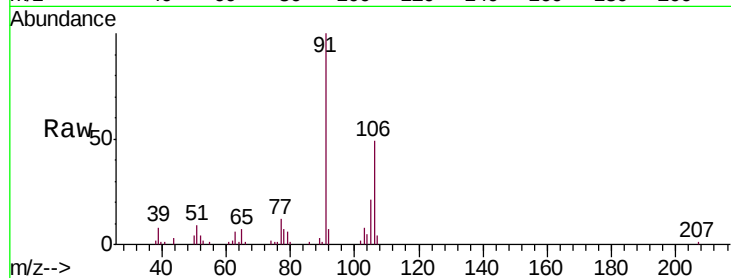
ESXF3

Tgt Ion:104 Resp: 2159

Ion Ratio Lower Upper

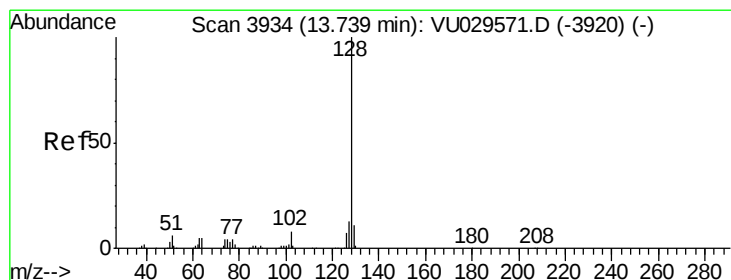
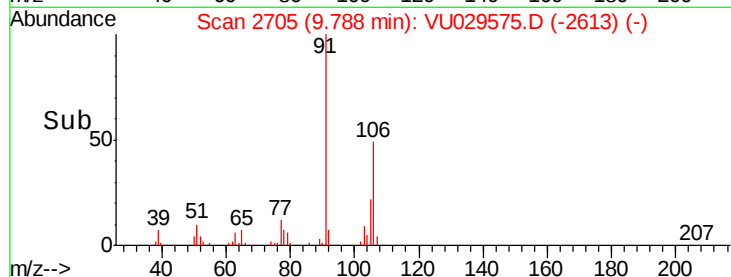
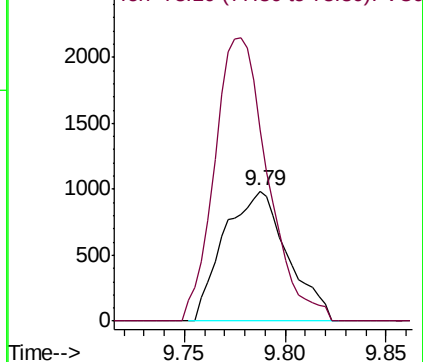
104 100

78 146.9 30.5 56.7#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



#69

Naphthalene

Concen: 0.053 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU029575.D

Acq: 20 Feb 2019 13:03

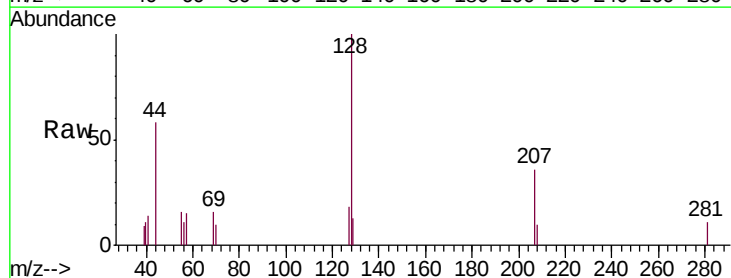
Tgt Ion:128 Resp: 2398

Ion Ratio Lower Upper

128 100

129 7.1 8.7 13.1#

127 8.8 10.3 15.5#



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

