

Data File : VU029426.D
Acq On : 12 Feb 2019 17:43
Operator : JC/SP
Sample : K1436-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXA7

Quant Time: Feb 13 03:30:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 13 03:26:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	200741	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	185099	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	99026	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74394	5.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.40%
7) Chloroethane-d5	1.68	69	62068	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.27	63	113219	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	4.20	46	148362	52.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.82%
24) Chloroform-d	4.65	84	110516	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.31	65	58855	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.34	84	242611	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.33	67	72058	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.56	98	233222	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	7.85	79	26892	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.31	63	142368	52.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58843	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	98645	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	274117	14.179	ug/L	95
8) Chloroethane	1.55	64	34319	2.726	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1123	0.064	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	6714	0.406	ug/L #	1
13) Acetone	2.32	43	4524	1.776	ug/L	88
15) Methyl Acetate	2.45	43	6938	1.063	ug/L #	47
18) trans-1,2-Dichloroethene	2.98	96	28993	1.646	ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	1689891	104.287	ug/L	98
25) Chloroform	4.68	83	4409	0.166	ug/L	96
34) Trichloroethene	6.18	95	1082	0.071	ug/L #	73
35) Methylcyclohexane	6.33	83	17114	0.664	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7304	0.535	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1981	0.092	ug/L #	63
48) 2-Hexanone	8.37	43	2681	0.468	ug/L #	84
52) Ethylbenzene	9.25	91	2163	0.031	ug/L	88
53) m,p-xylene	9.38	106	3766	0.136	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	10168	1.162	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021219\
Quantitation Report (Not Reviewed)

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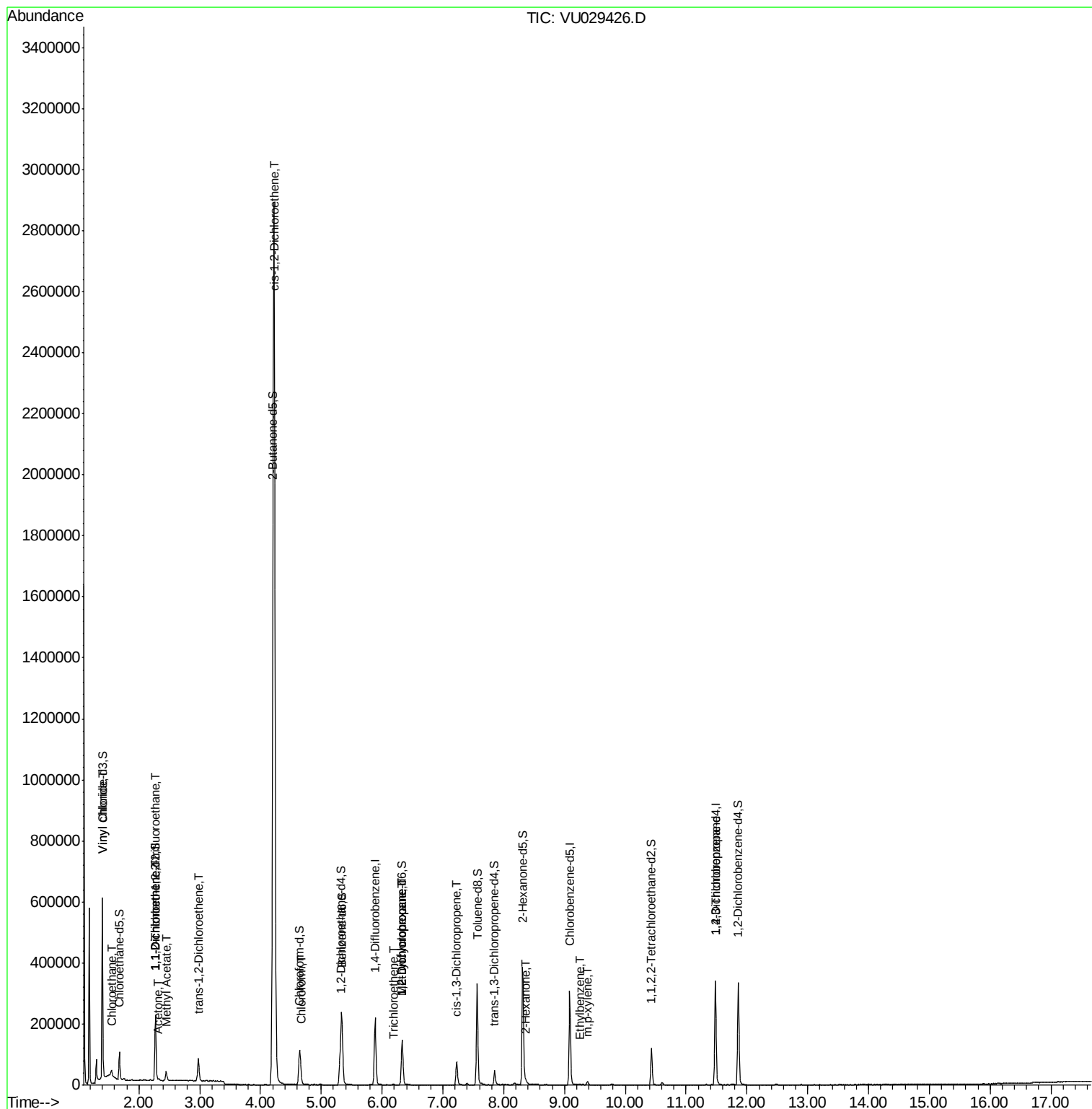
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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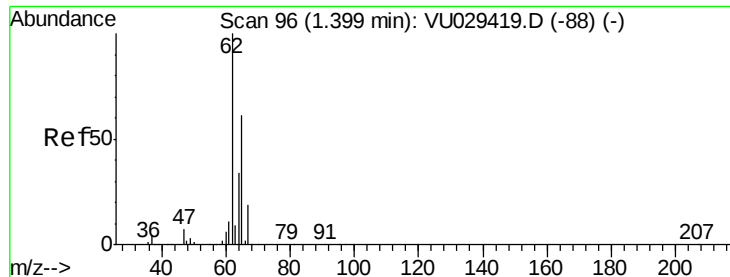
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 14.179 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampleId :

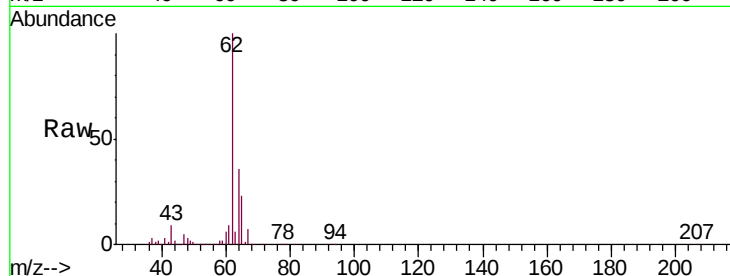
ESXA7

Tgt Ion: 62 Resp: 274117

Ion Ratio Lower Upper

62 100

64 36.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

250000

200000

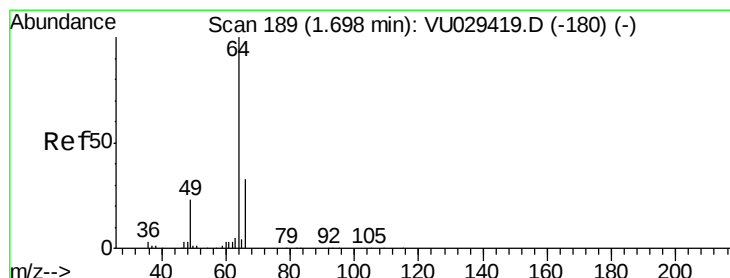
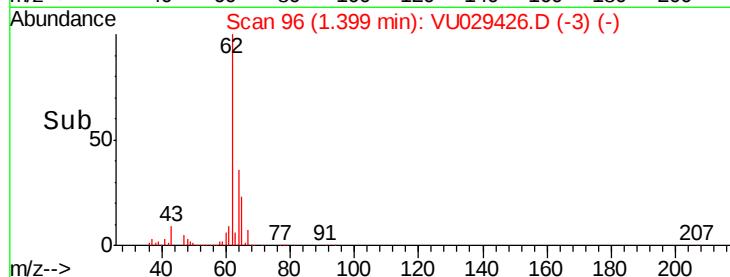
150000

100000

50000

0

Time-->



#8

Chloroethane

Concen: 2.726 ug/L

RT: 1.55 min Scan# 143

Delta R.T. -0.15 min

Lab File: VU029426.D

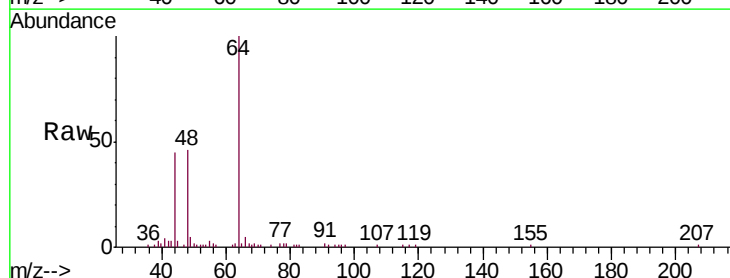
Acq: 12 Feb 2019 17:43

Tgt Ion: 64 Resp: 34319

Ion Ratio Lower Upper

64 100

66 5.1 22.0 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.55

20000

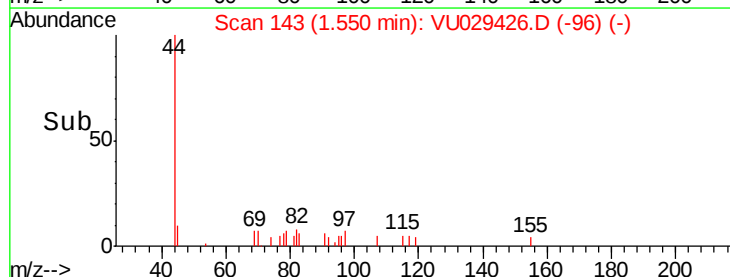
15000

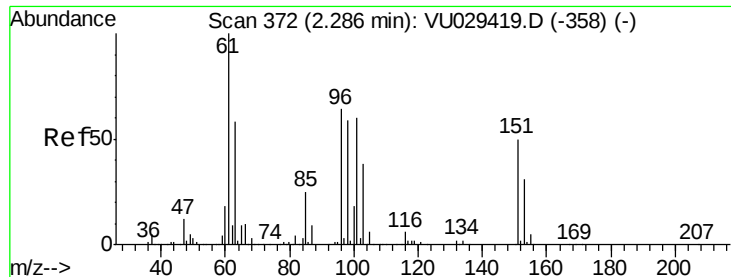
10000

5000

0

Time-->





#10

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

Concen: 0.064 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampled :

ESXA7

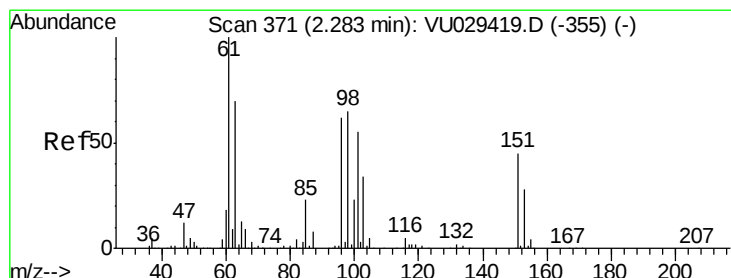
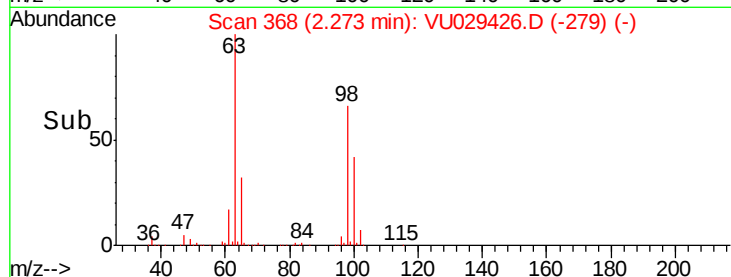
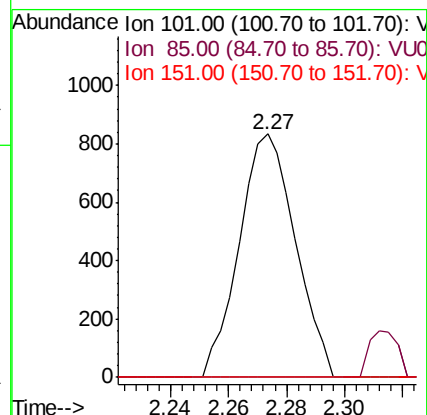
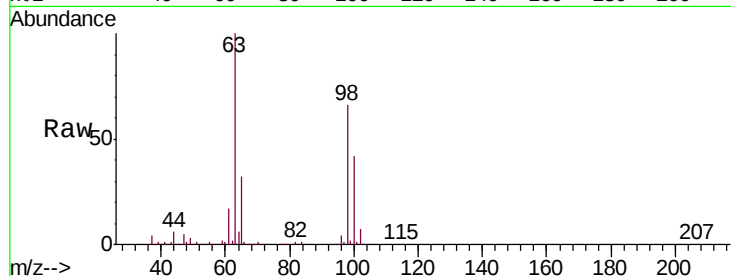
Tgt Ion: 101 Resp: 1123

Ion Ratio Lower Upper

101 100

85 9.6 35.1 52.7#

151 0.0 67.0 100.6#



#12

1,1-Dichloroethene

Concen: 0.406 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

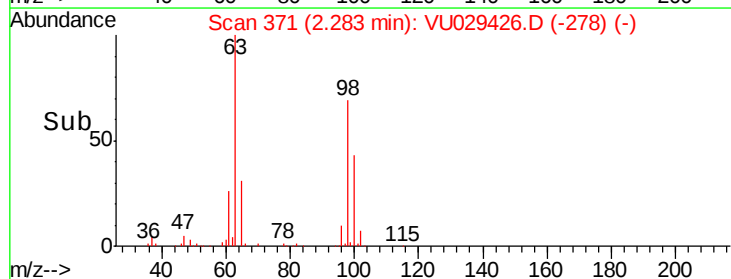
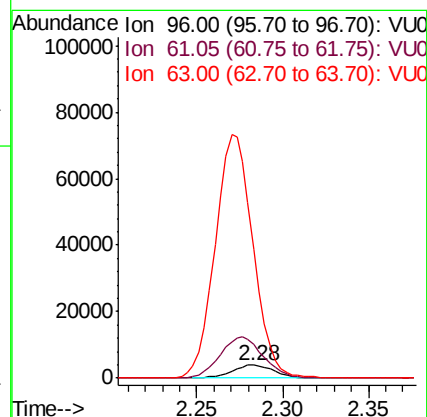
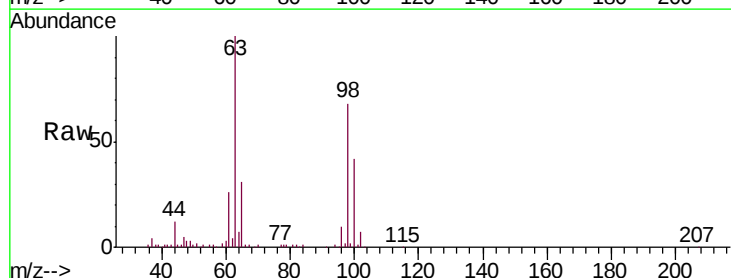
Tgt Ion: 96 Resp: 6714

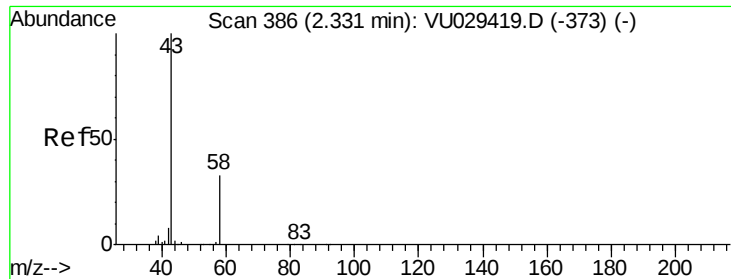
Ion Ratio Lower Upper

96 100

61 259.6 115.1 213.7#

63 1002.4 83.5 155.1#





#13

Acetone

Concen: 1.776 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampleId :

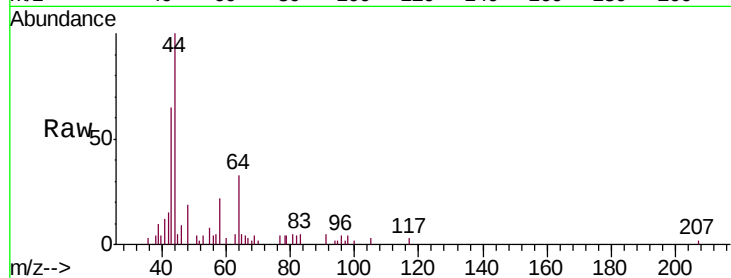
ESXA7

Tgt Ion: 43 Resp: 4524

Ion Ratio Lower Upper

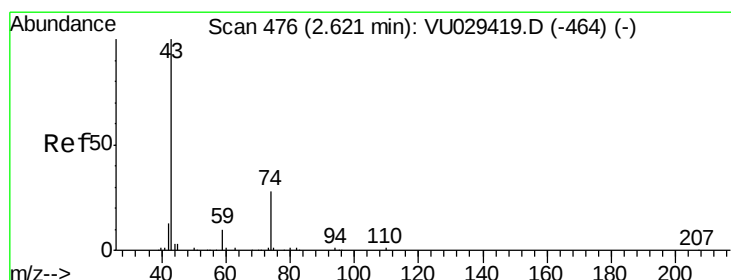
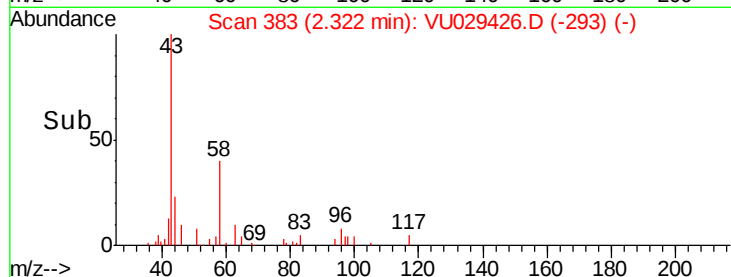
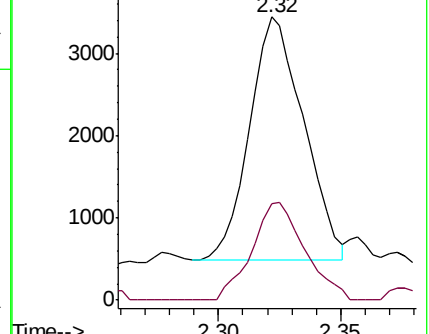
43 100

58 39.3 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: 1.063 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.17 min

Lab File: VU029426.D

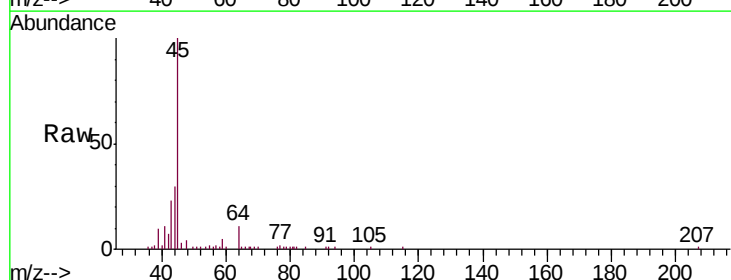
Acq: 12 Feb 2019 17:43

Tgt Ion: 43 Resp: 6938

Ion Ratio Lower Upper

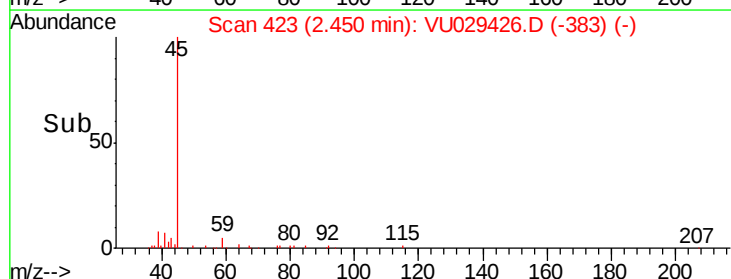
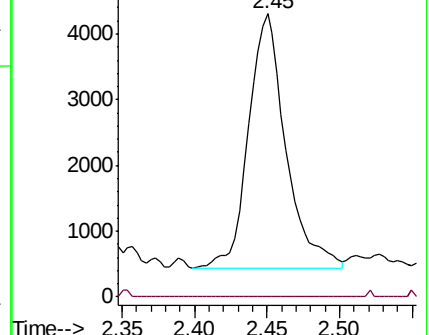
43 100

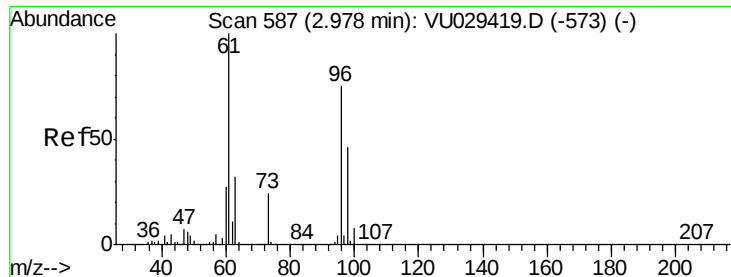
74 0.3 22.3 33.5#



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: 1.646 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampleId :

ESXA7

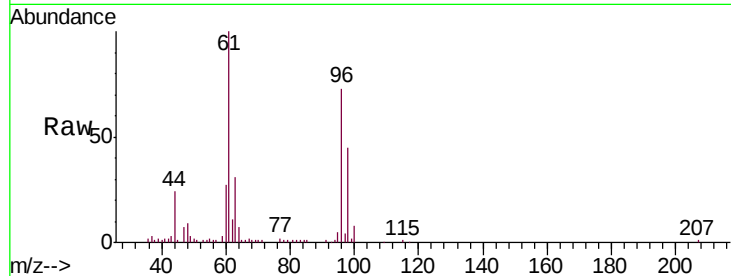
Tgt Ion: 96 Resp: 28993

Ion Ratio Lower Upper

96 100

61 136.6 95.4 177.2

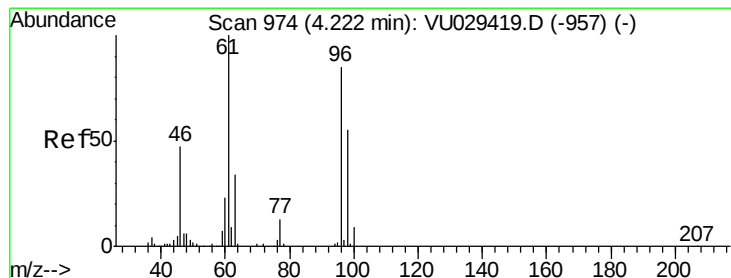
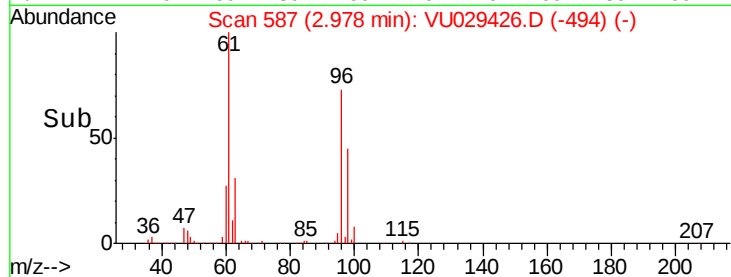
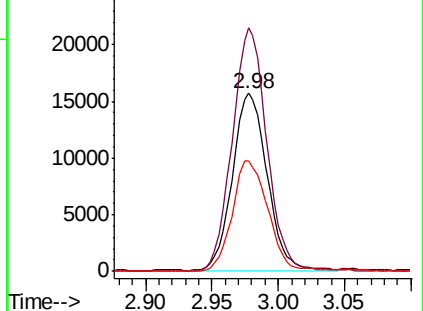
98 61.7 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 104.287 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

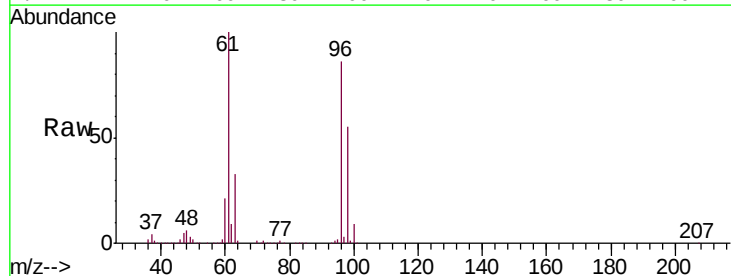
Tgt Ion: 96 Resp: 1689891

Ion Ratio Lower Upper

96 100

61 115.9 79.9 148.5

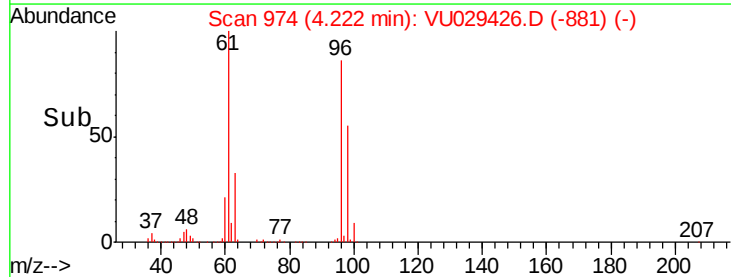
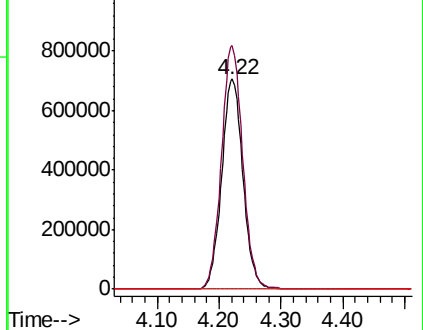
68 0.0 0.0 0.0

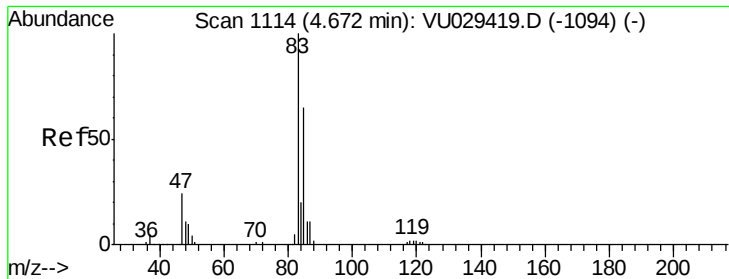


Abundance Ion 96.00 (95.70 to 96.70): VU0

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: 4.68 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampleId :

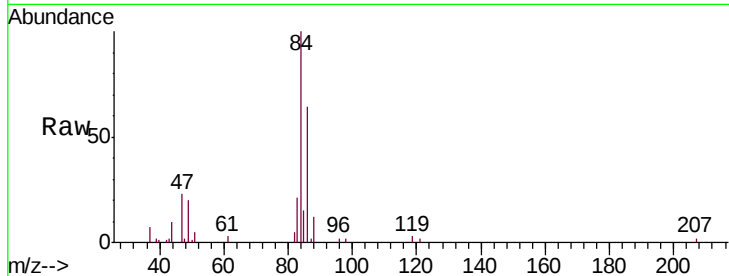
ESXA7

Tgt Ion: 83 Resp: 4409

Ion Ratio Lower Upper

83 100

85 71.7 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU029419.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU029419.D (-1094) (-)

4.68

1500

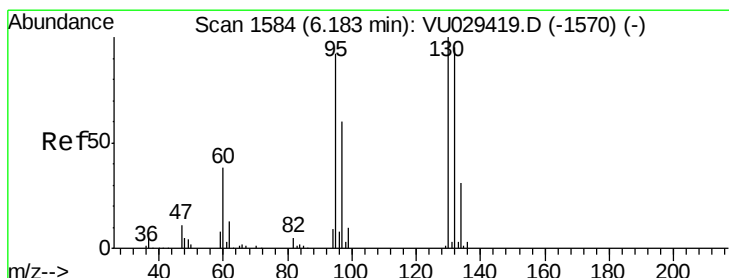
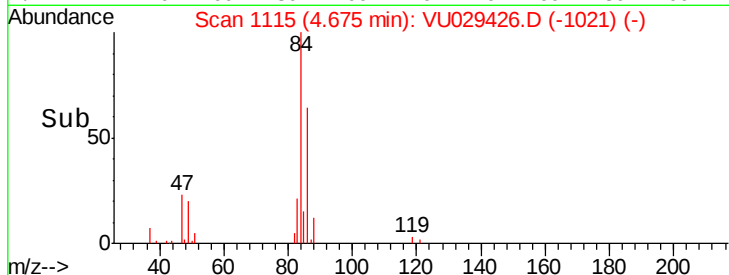
1000

500

0

4.60 4.65 4.70 4.75

Time-->



#34

Trichloroethene

Concen: 0.071 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Tgt Ion: 95 Resp: 1082

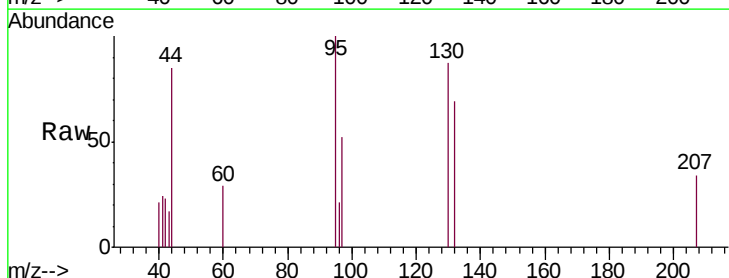
Ion Ratio Lower Upper

95 100

97 51.9 46.3 86.1

132 68.7 72.9 135.3#

130 86.6 79.2 147.0



Abundance Ion 95.00 (94.70 to 95.70): VU029419.D (-1570) (-)

Ion 96.95 (96.65 to 97.65): VU029419.D (-1570) (-)

Ion 131.95 (131.65 to 132.65): VU029419.D (-1570) (-)

Ion 129.95 (129.65 to 130.65): VU029419.D (-1570) (-)

1000

800

600

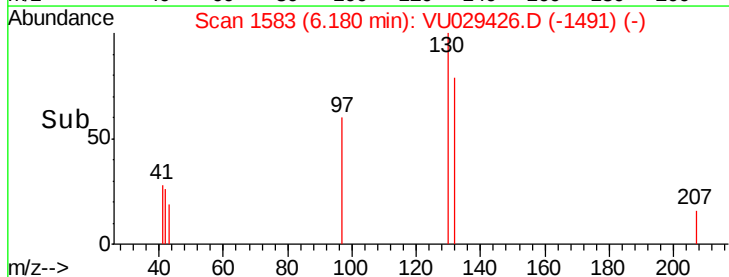
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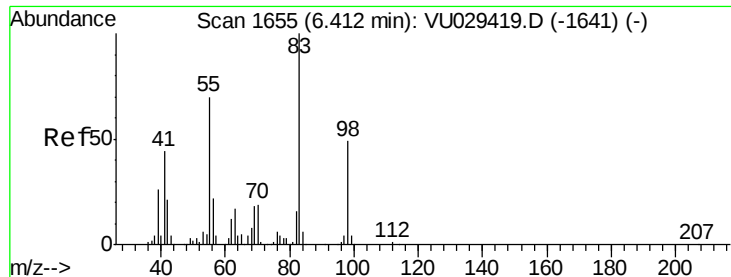
200

0

6.15 6.20

Time-->

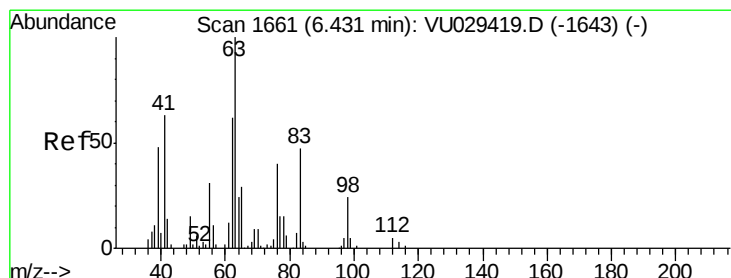
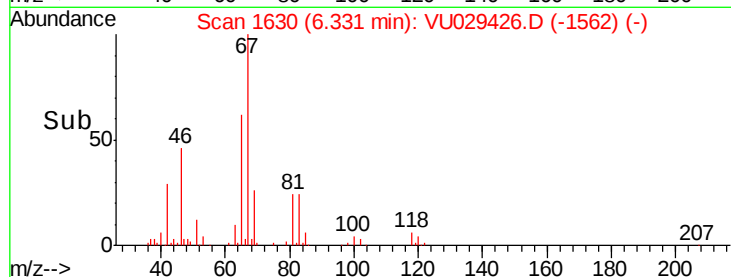
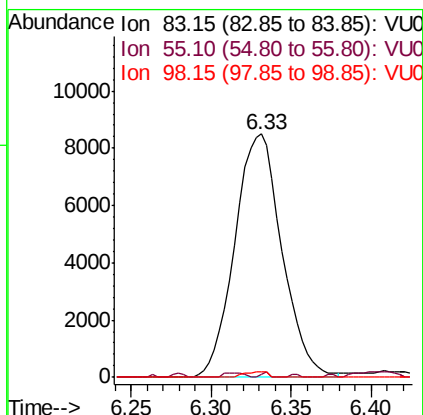
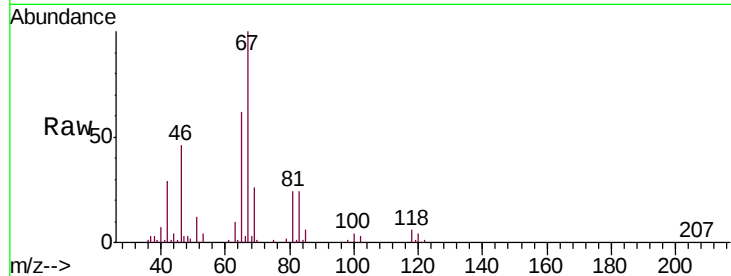




#35
Methylcyclohexane
Concen: 0.664 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.08 min
Lab File: VU029426.D
Acq: 12 Feb 2019 17:43

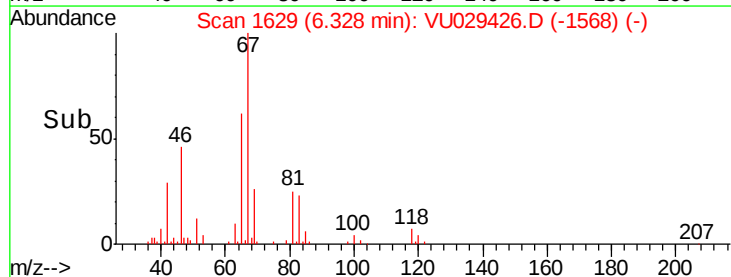
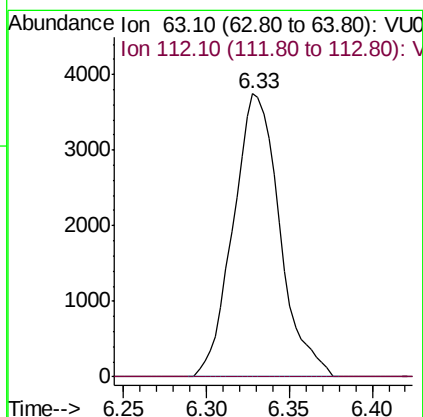
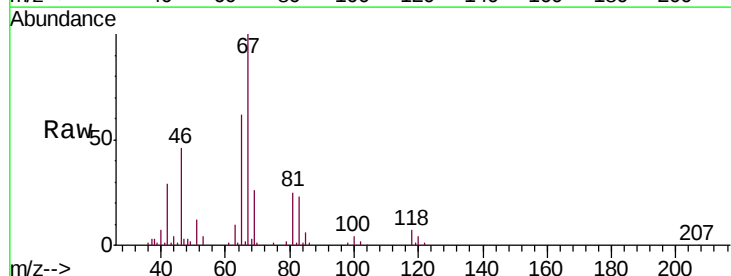
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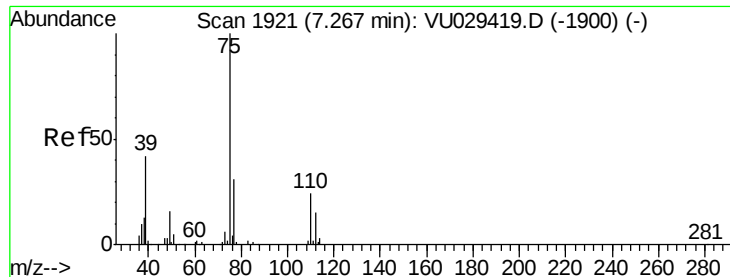
Tgt Ion: 83 Resp: 17114
Ion Ratio Lower Upper
83 100
55 0.4 55.9 83.9#
98 1.1 38.6 57.8#



#37
1,2-Dichloropropane
Concen: 0.535 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU029426.D
Acq: 12 Feb 2019 17:43

Tgt Ion: 63 Resp: 7304
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampleId :

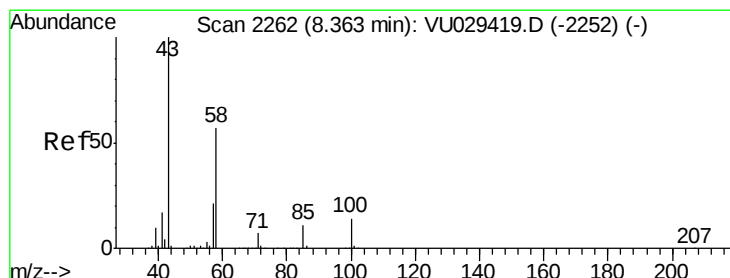
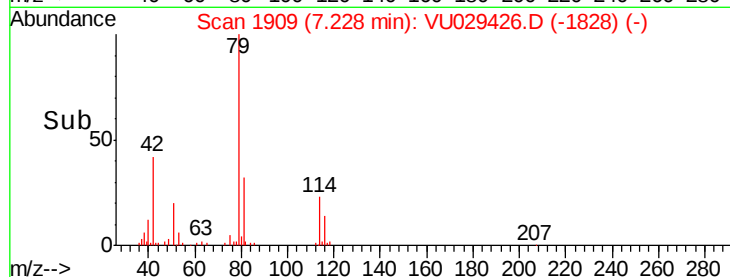
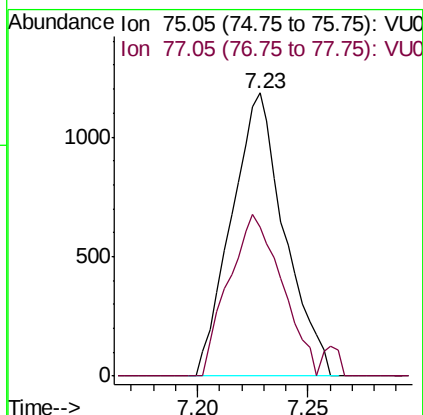
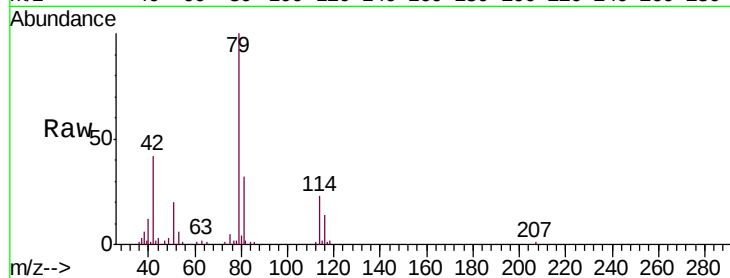
ESXA7

Tgt Ion: 75 Resp: 1981

Ion Ratio Lower Upper

75 100

77 52.6 22.3 41.3#



#48

2-Hexanone

Concen: 0.468 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Tgt Ion: 43 Resp: 2681

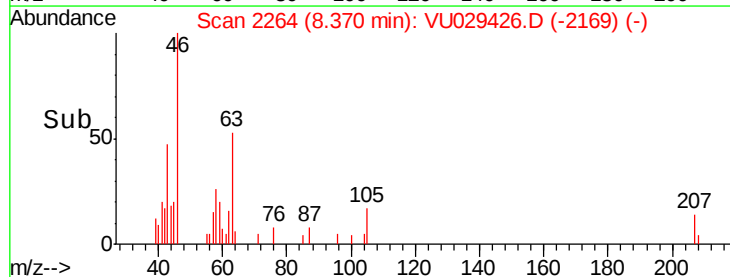
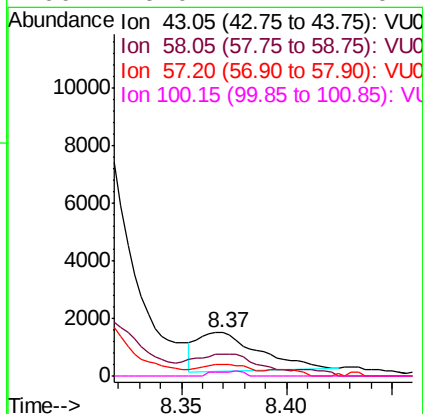
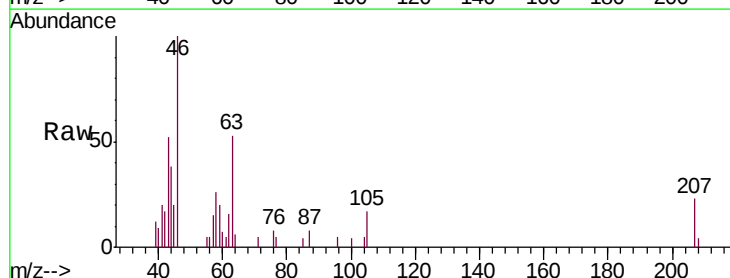
Ion Ratio Lower Upper

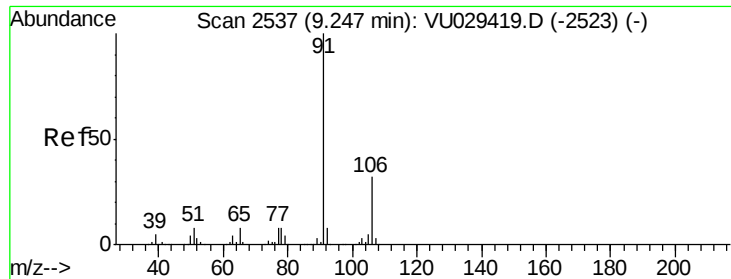
43 100

58 44.8 45.7 68.5#

57 25.3 16.4 24.6#

100 6.0 11.1 16.7#





#52

Ethylbenzene

Concen: 0.031 ug/L

RT: 9.25 min Scan# 2539

Delta R.T. 0.01 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampleId :

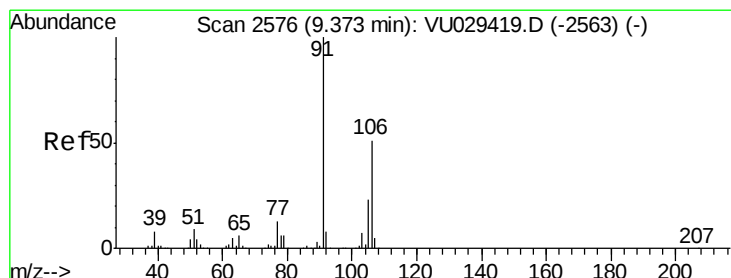
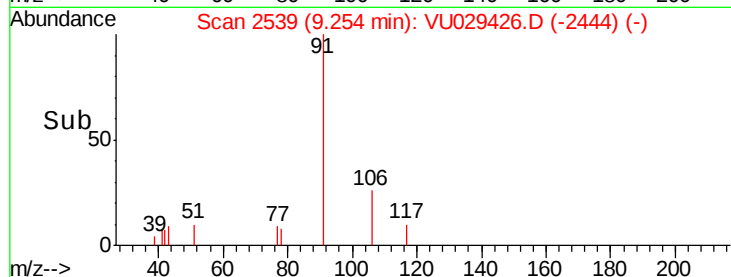
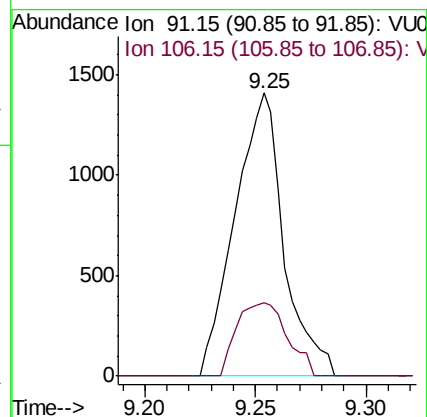
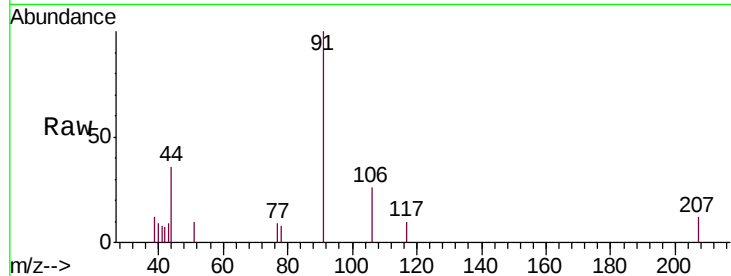
ESXA7

Tgt Ion: 91 Resp: 2163

Ion Ratio Lower Upper

91 100

106 25.9 22.8 42.4



#53

m,p-xylene

Concen: 0.136 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029426.D

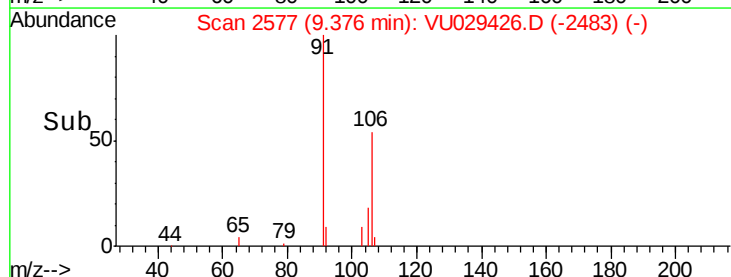
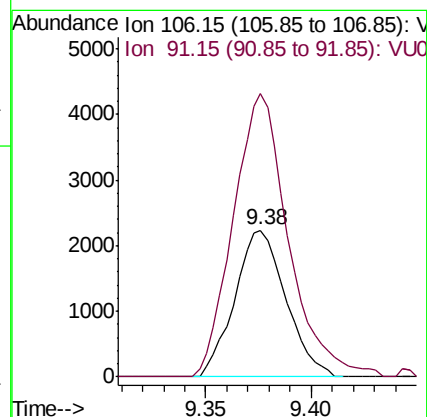
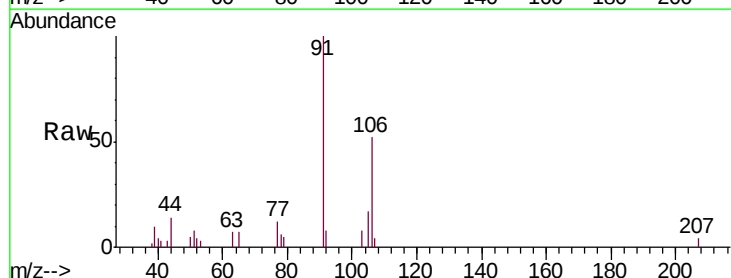
Acq: 12 Feb 2019 17:43

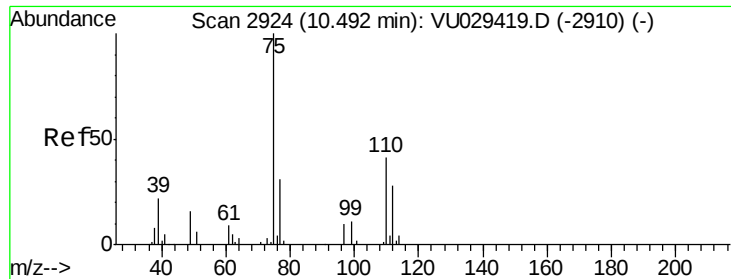
Tgt Ion: 106 Resp: 3766

Ion Ratio Lower Upper

106 100

91 192.8 135.7 251.9





#59

1,2,3-Trichloropropane

Concen: 1.162 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029426.D

Acq: 12 Feb 2019 17:43

Instrument :

MSVOA_U

ClientSampleId :

ESXA7

Tgt Ion: 75 Resp: 10168

Ion Ratio Lower Upper

75 100

77 37.5 28.2 42.2

