

Data File : VU029481.D
Acq On : 15 Feb 2019 01:28
Operator : JC/SP
Sample : K1438-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXE2

Quant Time: Feb 15 03:48:48 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	191183	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178200	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93588	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47027	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	1.68	69	47647	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.27	63	81479	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	4.19	46	135686	50.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.60%
24) Chloroform-d	4.65	84	89672	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.31	65	49667	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.34	84	188700	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.33	67	57423	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.56	98	179105	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.85	79	21945	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.31	63	133673	51.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	51819	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	80340	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

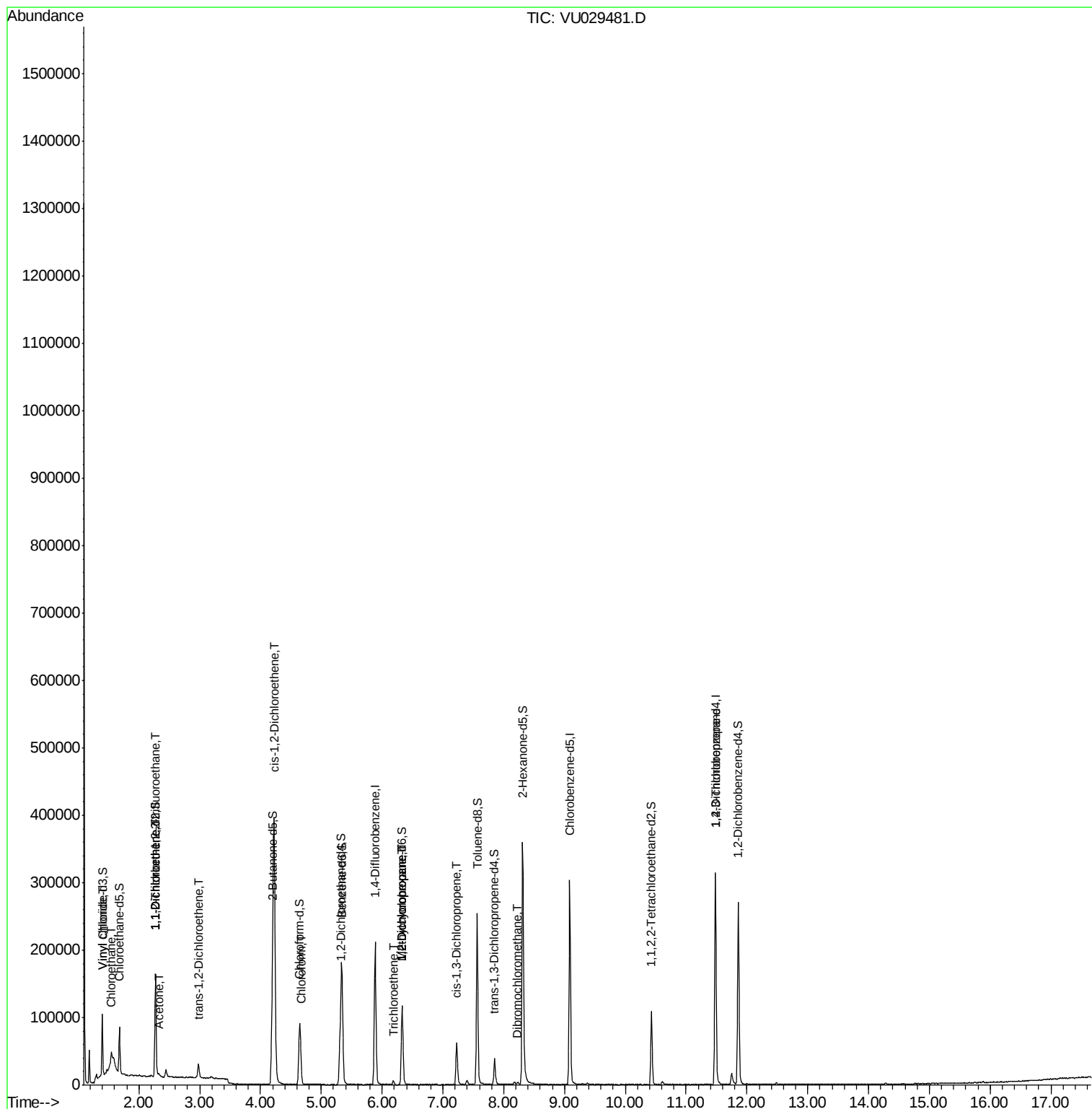
					Qvalue	
5) Vinyl chloride	1.40	62	10474	0.569	ug/L #	1
8) Chloroethane	1.55	64	37748	3.149	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	692	0.042	ug/L #	19
12) 1,1-Dichloroethene	2.28	96	1268	0.081	ug/L #	1
13) Acetone	2.32	43	3691	1.521	ug/L	94
18) trans-1,2-Dichloroethene	2.98	96	8432	0.503	ug/L	86
22) cis-1,2-Dichloroethene	4.22	96	223257	14.467	ug/L	99
25) Chloroform	4.67	83	2897	0.115	ug/L	96
34) Trichloroethene	6.18	95	2323	0.158	ug/L #	73
35) Methylcyclohexane	6.33	83	14335	0.578	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6310	0.480	ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	1617	0.078	ug/L #	61
49) Dibromochloromethane	8.22	129	679	0.050	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9425	1.118	ug/L	97

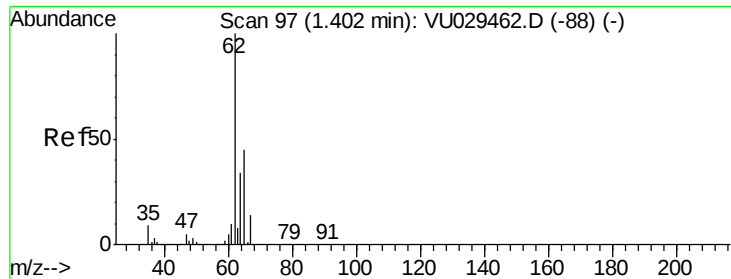
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.569 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029481.D

Acq: 15 Feb 2019 01:28

Instrument :

MSVOA_U

ClientSampled :

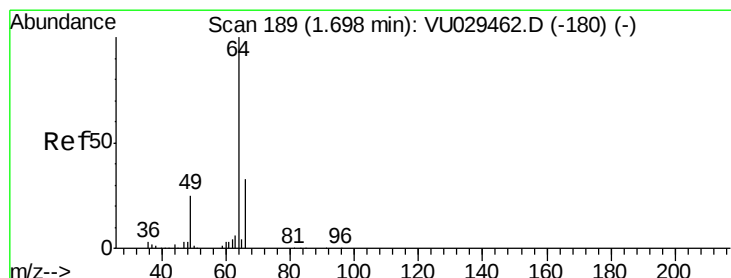
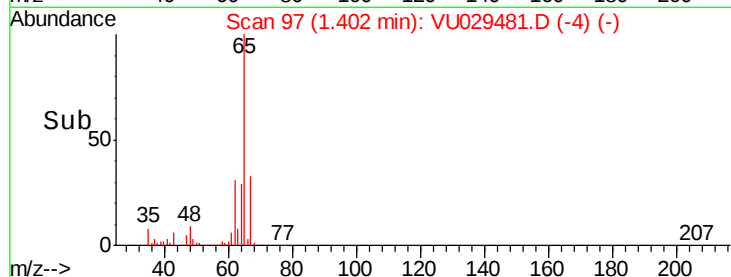
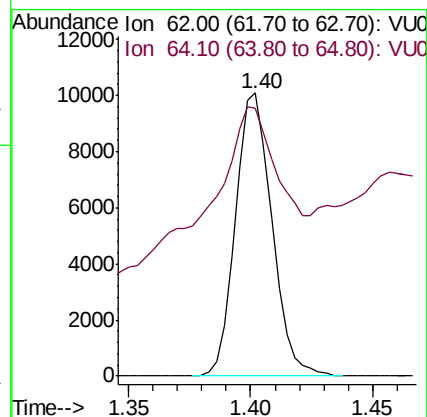
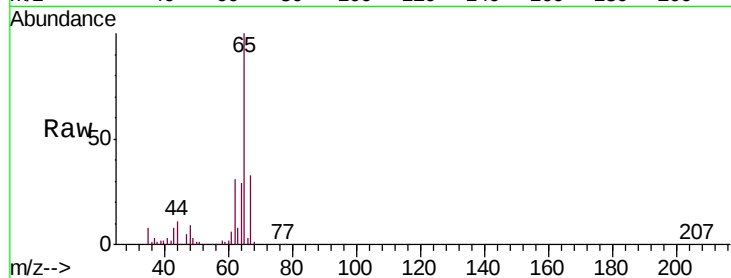
ESXE2

Tgt Ion: 62 Resp: 10474

Ion Ratio Lower Upper

62 100

64 94.6 23.5 43.7#



#8

Chloroethane

Concen: 3.149 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029481.D

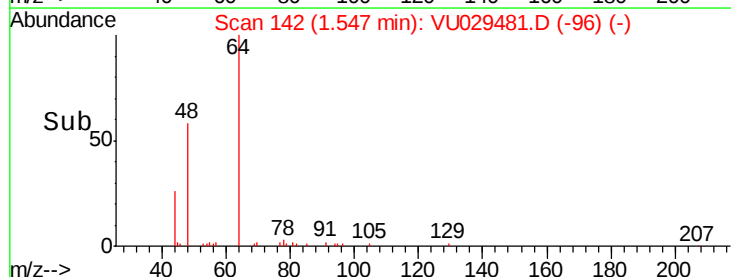
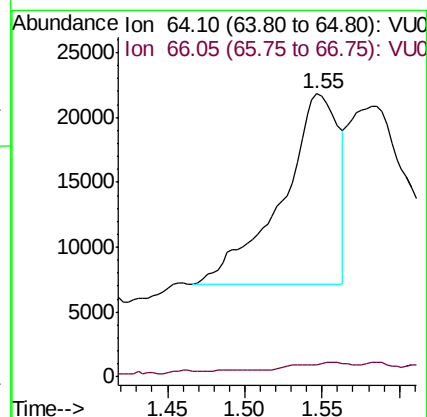
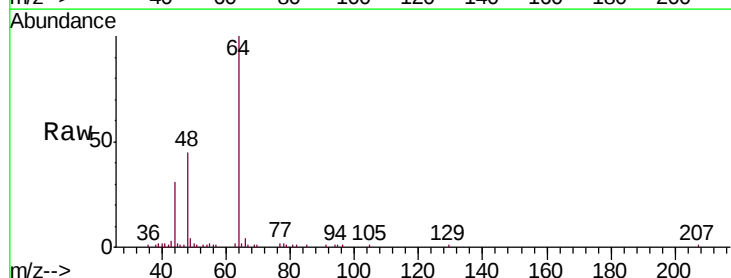
Acq: 15 Feb 2019 01:28

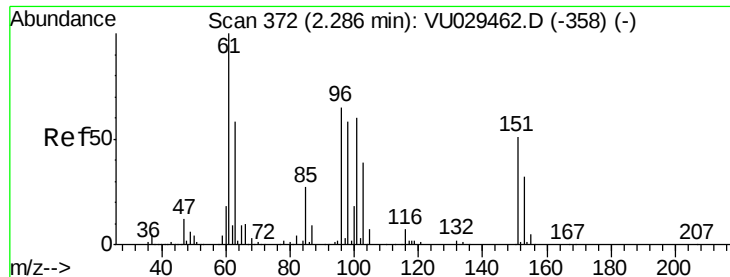
Tgt Ion: 64 Resp: 37748

Ion Ratio Lower Upper

64 100

66 4.4 22.0 40.8#





#10

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

Concen: 0.042 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU029481.D

Acq: 15 Feb 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

ESXE2

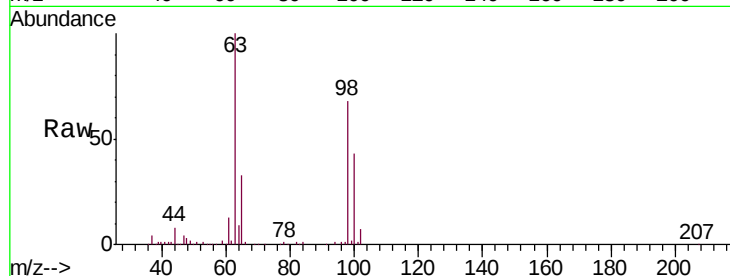
Tgt Ion: 101 Resp: 692

Ion Ratio Lower Upper

101 100

85 6.2 35.1 52.7#

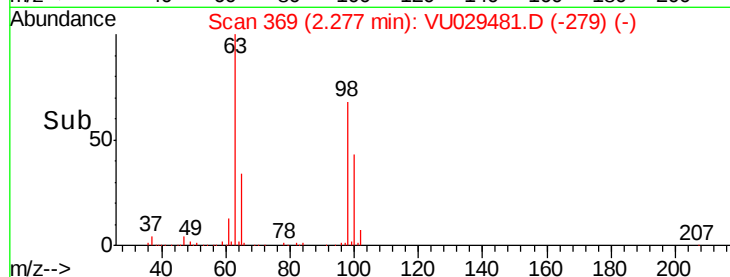
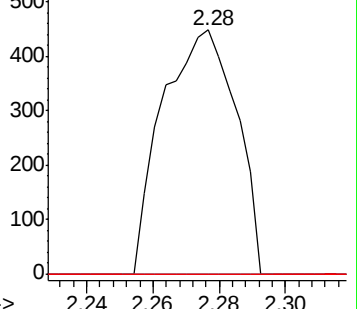
151 0.0 67.0 100.6#



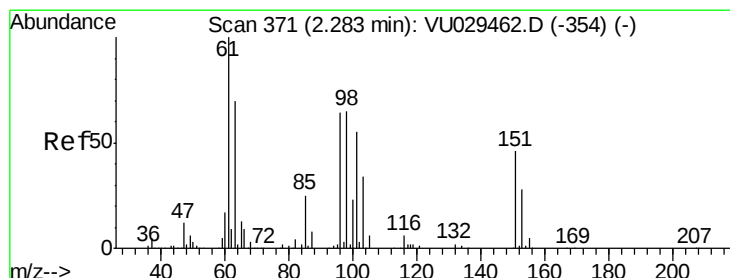
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.081 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029481.D

Acq: 15 Feb 2019 01:28

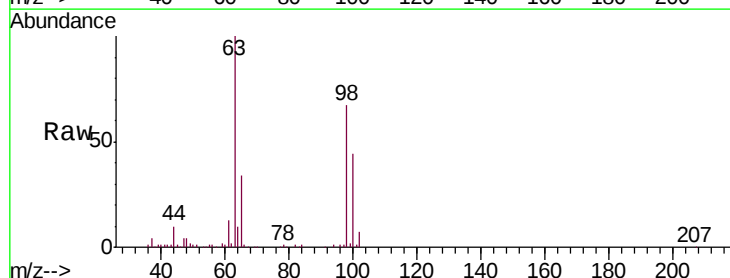
Tgt Ion: 96 Resp: 1268

Ion Ratio Lower Upper

96 100

61 949.9 115.1 213.7#

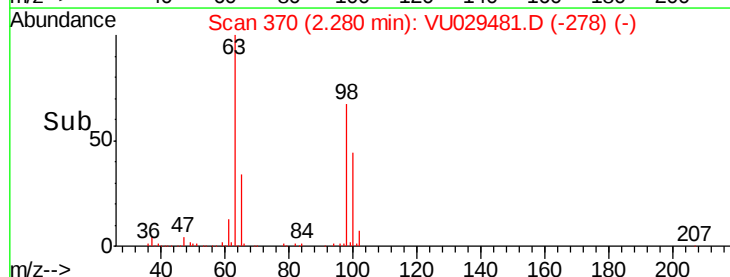
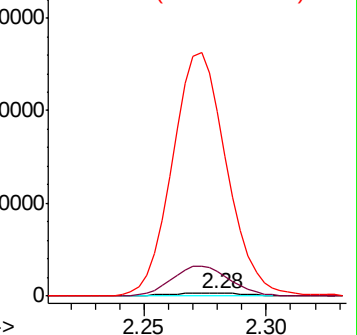
63 7043.4 83.5 155.1#



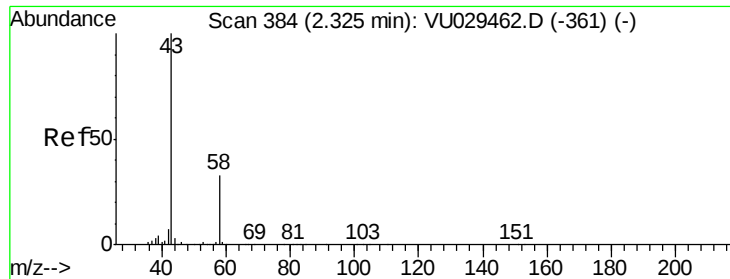
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->



#13

Acetone

Concen: 1.521 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029481.D

Acq: 15 Feb 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

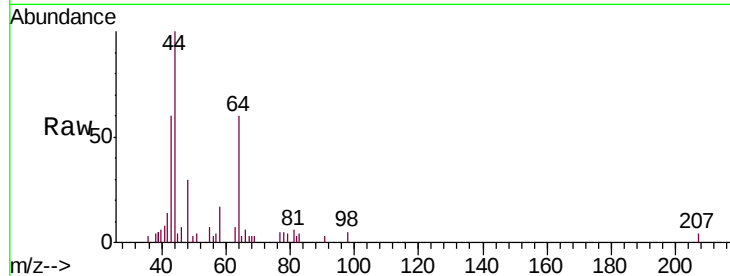
ESXE2

Tgt Ion: 43 Resp: 3691

Ion Ratio Lower Upper

43 100

58 35.6 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.32

2500

2000

1500

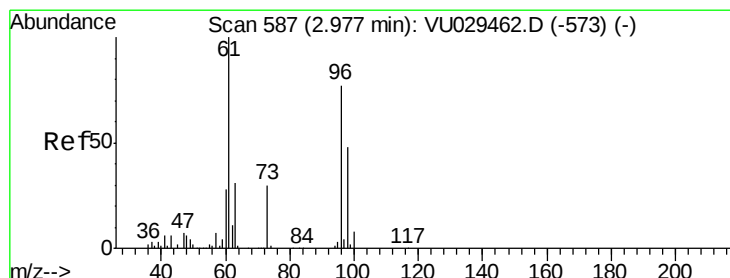
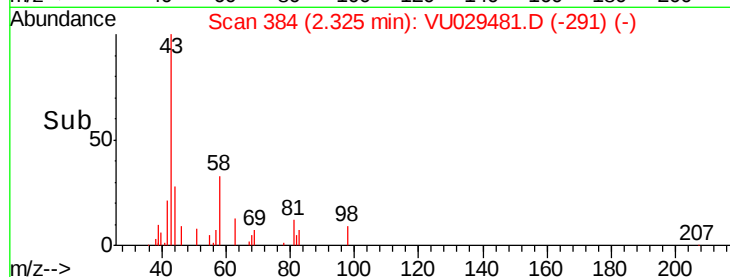
1000

500

0

Time-->

2.30 2.35



#18

trans-1,2-Dichloroethene

Concen: 0.503 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029481.D

Acq: 15 Feb 2019 01:28

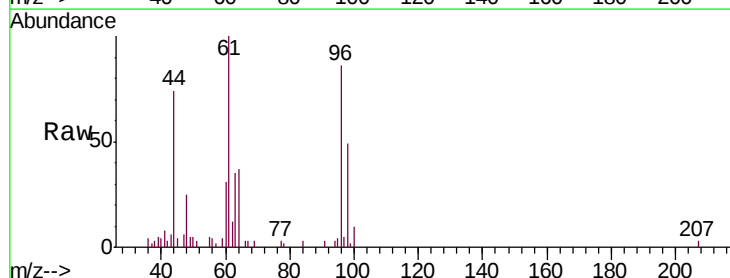
Tgt Ion: 96 Resp: 8432

Ion Ratio Lower Upper

96 100

61 116.6 95.4 177.2

98 57.2 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

2.98

6000

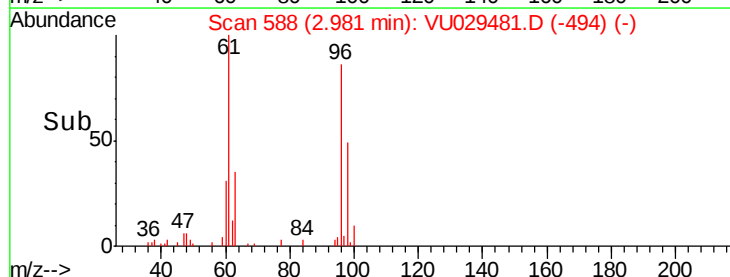
4000

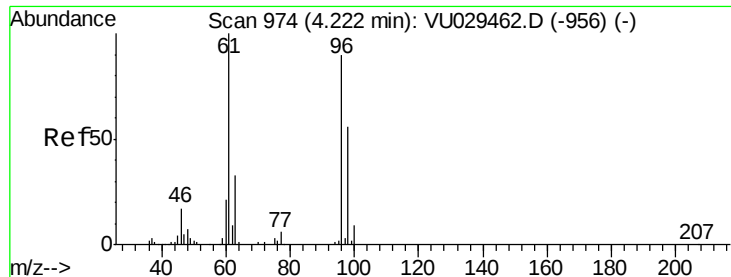
2000

0

Time-->

2.90 2.95 3.00 3.05



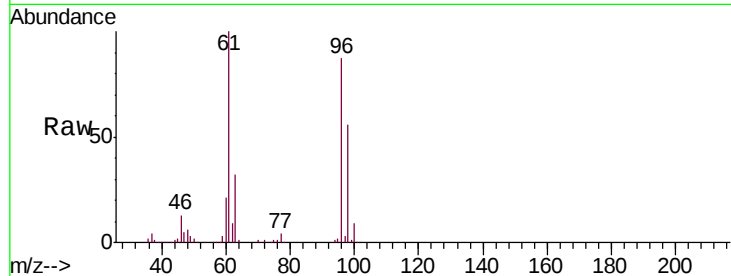


#22

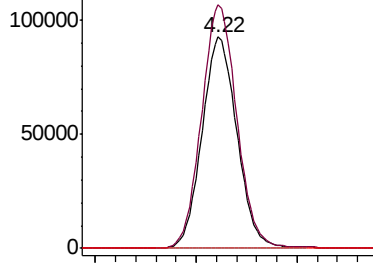
cis-1,2-Dichloroethene
 Concen: 14.467 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029481.D
 Acq: 15 Feb 2019 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXE2

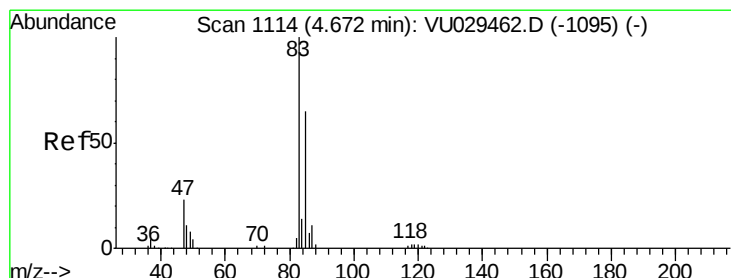
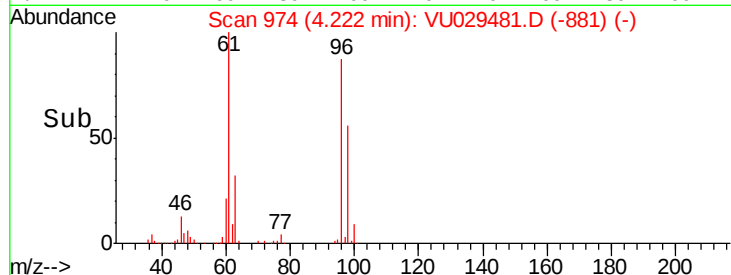
Tgt Ion: 96 Resp: 223257
 Ion Ratio Lower Upper
 96 100
 61 115.3 79.9 148.5
 68 0.0 0.0 0.0



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



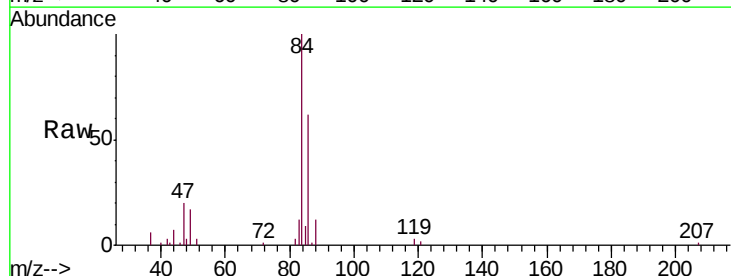
Time--> 4.10 4.20 4.30



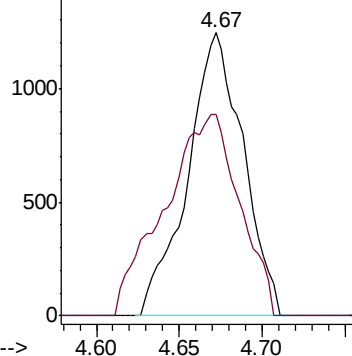
#25

Chloroform
 Concen: 0.115 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VU029481.D
 Acq: 15 Feb 2019 01:28

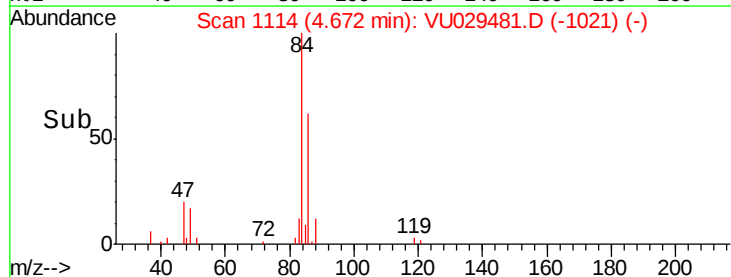
Tgt Ion: 83 Resp: 2897
 Ion Ratio Lower Upper
 83 100
 85 71.2 47.8 88.8

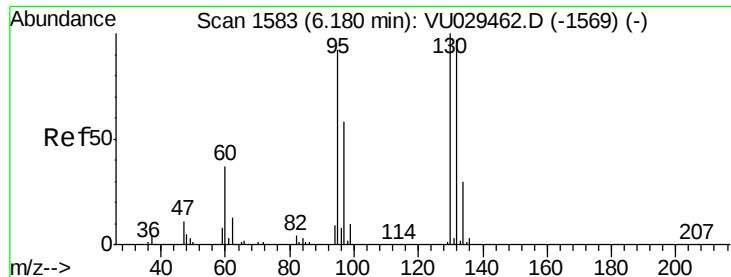


Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0



Time--> 4.60 4.65 4.70

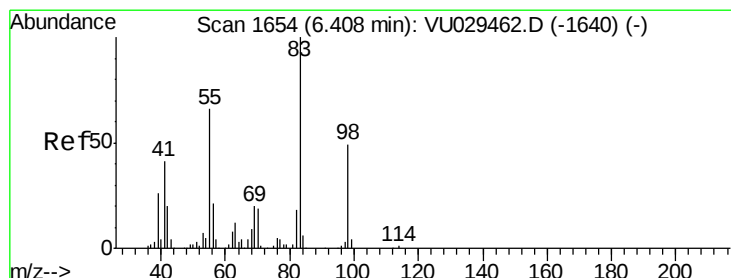
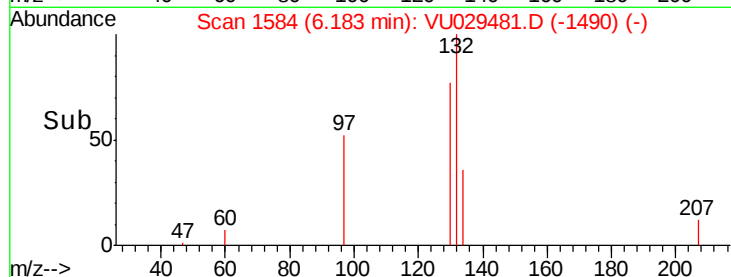
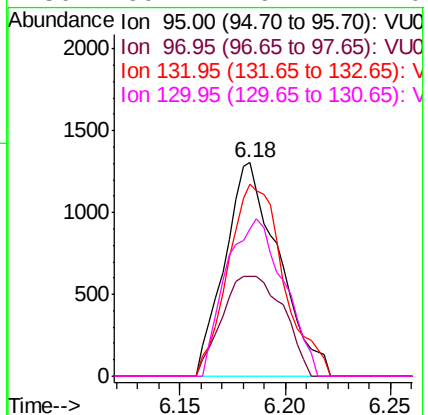
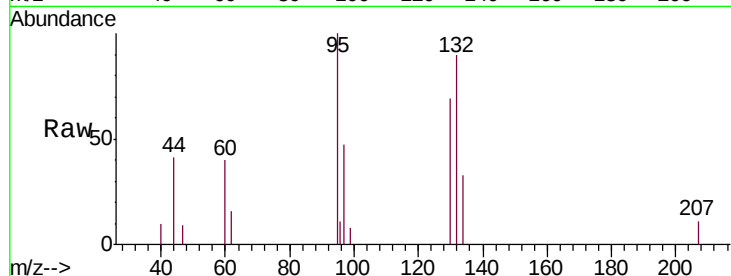




#34
 Trichloroethene
 Concen: 0.158 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029481.D
 Acq: 15 Feb 2019 01:28

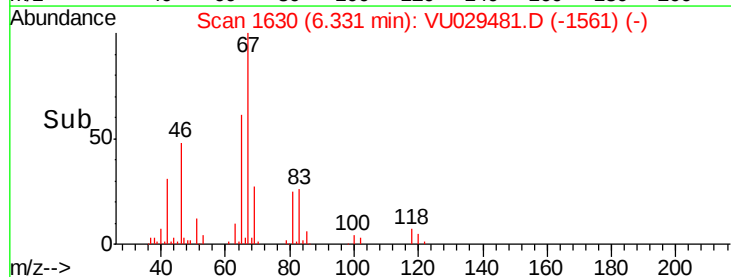
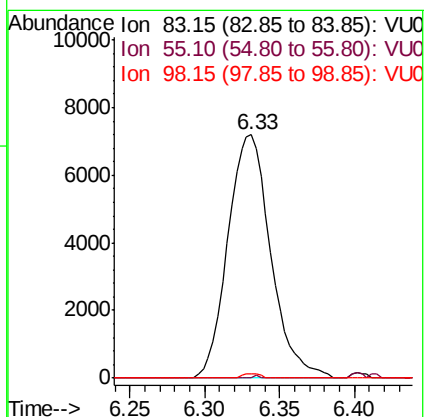
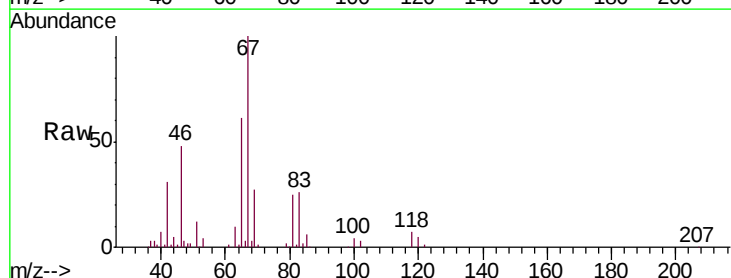
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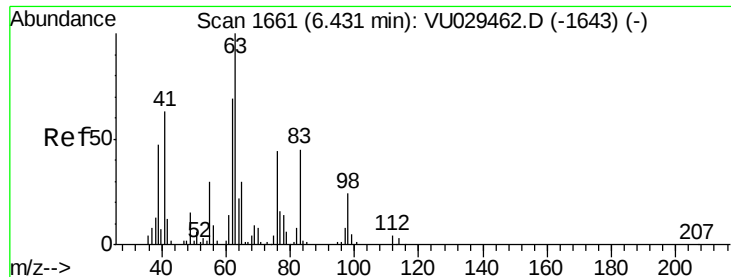
Tgt Ion: 95 Resp: 2323
 Ion Ratio Lower Upper
 95 100
 97 46.7 46.3 86.1
 132 90.0 72.9 135.3
 130 69.1 79.2 147.0#



#35
 Methylcyclohexane
 Concen: 0.578 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.08 min
 Lab File: VU029481.D
 Acq: 15 Feb 2019 01:28

Tgt Ion: 83 Resp: 14335
 Ion Ratio Lower Upper
 83 100
 55 0.1 55.9 83.9#
 98 0.8 38.6 57.8#

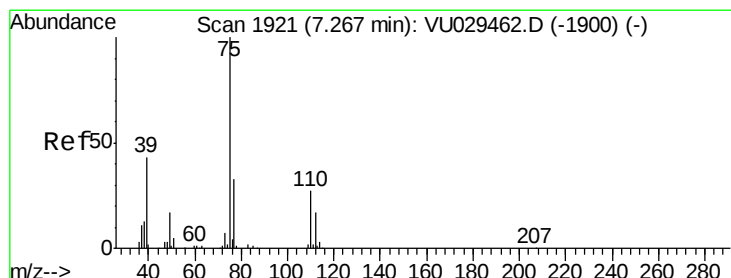
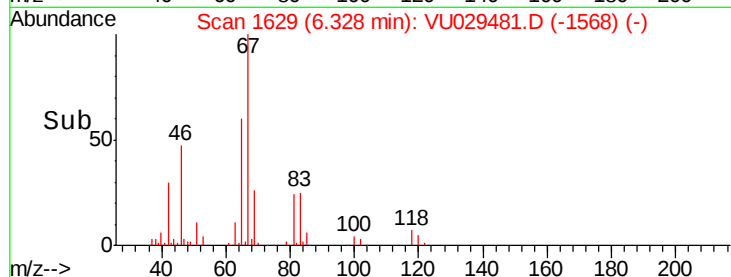
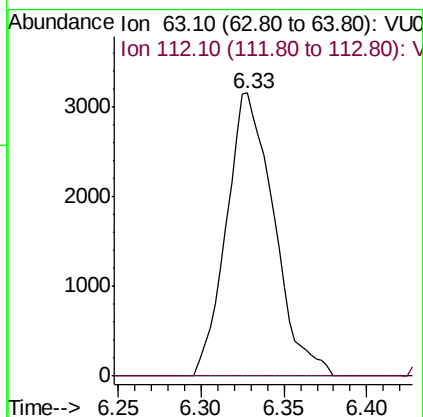
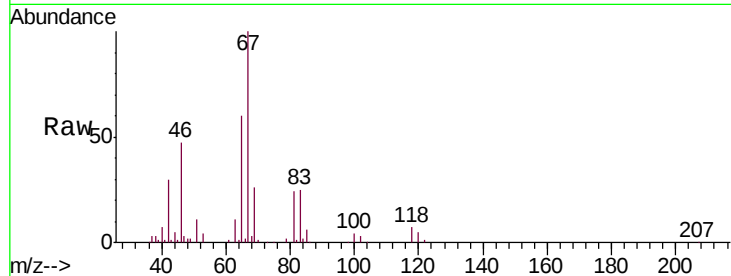




#37
 1,2-Dichloropropane
 Concen: 0.480 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029481.D
 Acq: 15 Feb 2019 01:28

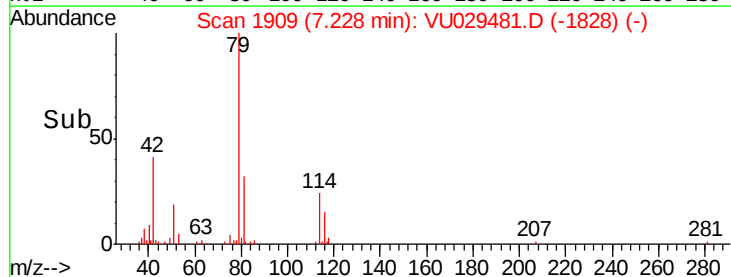
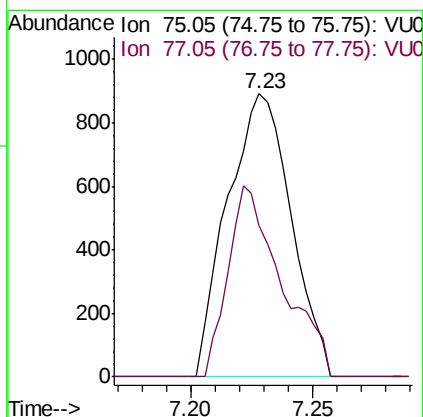
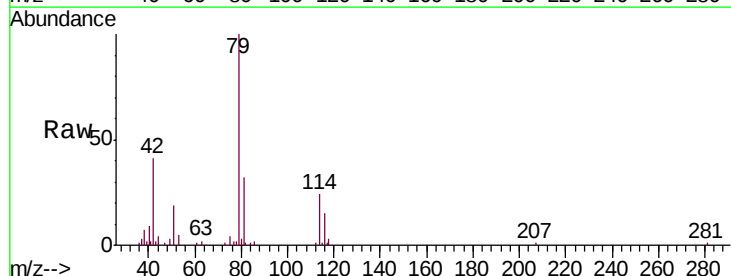
Instrument :
 MSVOA_U
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 ESXE2

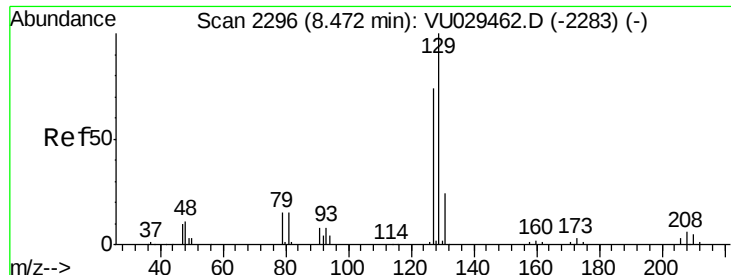
Tgt Ion: 63 Resp: 6310
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU029481.D
 Acq: 15 Feb 2019 01:28

Tgt Ion: 75 Resp: 1617
 Ion Ratio Lower Upper
 75 100
 77 53.7 22.3 41.3#





#49

Dibromochloromethane

Concen: 0.050 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029481.D

Acq: 15 Feb 2019 01:28

Instrument :

MSVOA_U

ClientSampleId :

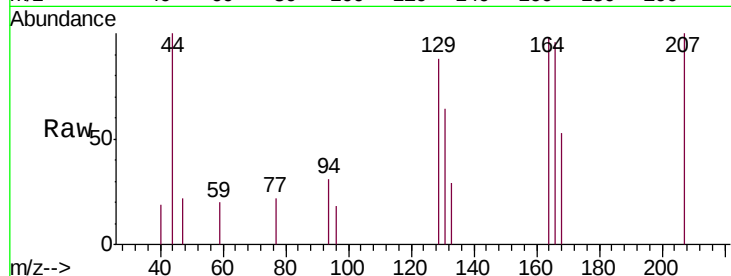
ESXE2

Tgt Ion:129 Resp: 679

Ion Ratio Lower Upper

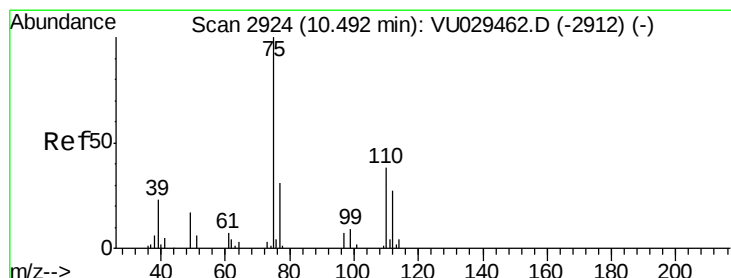
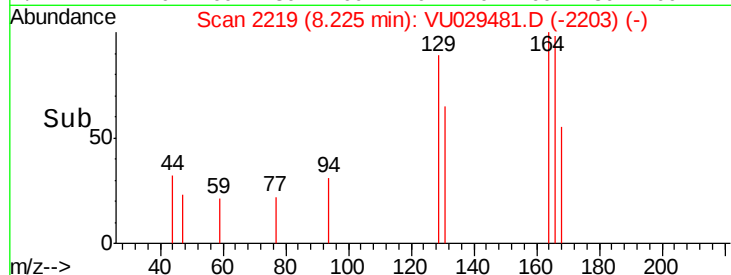
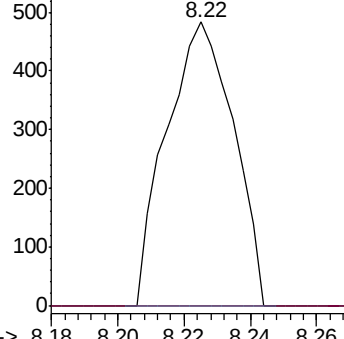
129 100

127 0.0 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.118 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029481.D

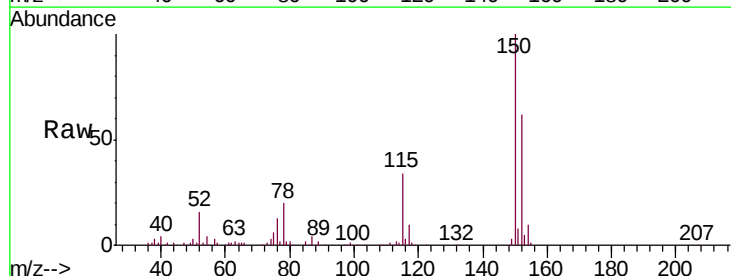
Acq: 15 Feb 2019 01:28

Tgt Ion: 75 Resp: 9425

Ion Ratio Lower Upper

75 100

77 36.9 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

