

Data File : VU029483.D
Acq On : 15 Feb 2019 02:15
Operator : JC/SP
Sample : K1438-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXC5

Quant Time: Feb 15 03:49:07 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	191228	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	179711	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92901	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47234	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.68	69	46988	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	2.27	63	82193	2.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.80%#
20) 2-Butanone-d5	4.19	46	132747	49.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.38%
24) Chloroform-d	4.65	84	88769	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.31	65	47989	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
32) Benzene-d6	5.34	84	186587	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.33	67	56882	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.56	98	176428	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.85	79	22119	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.31	63	132324	50.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	51887	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	80323	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.40	62	18409	1.000	ug/L #	11
8) Chloroethane	1.55	64	119412	9.958	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	933	0.056	ug/L #	32
12) 1,1-Dichloroethene	2.27	96	1194	0.076	ug/L #	1
13) Acetone	2.32	43	1227	0.506	ug/L	72
17) Methyl tert-butyl Ether	3.00	73	4755	0.121	ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	2410	0.144	ug/L	86
22) cis-1,2-Dichloroethene	4.22	96	53428	3.461	ug/L	97
25) Chloroform	4.67	83	3917	0.155	ug/L	91
27) 1,2-Dichloroethane	5.33	62	990	0.068	ug/L #	72
35) Methylcyclohexane	6.33	83	14225	0.569	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	6115	0.462	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1361	0.065	ug/L #	67
48) 2-Hexanone	8.31	43	14164	2.545	ug/L #	66
59) 1,2,3-Trichloropropane	11.48	75	9178	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

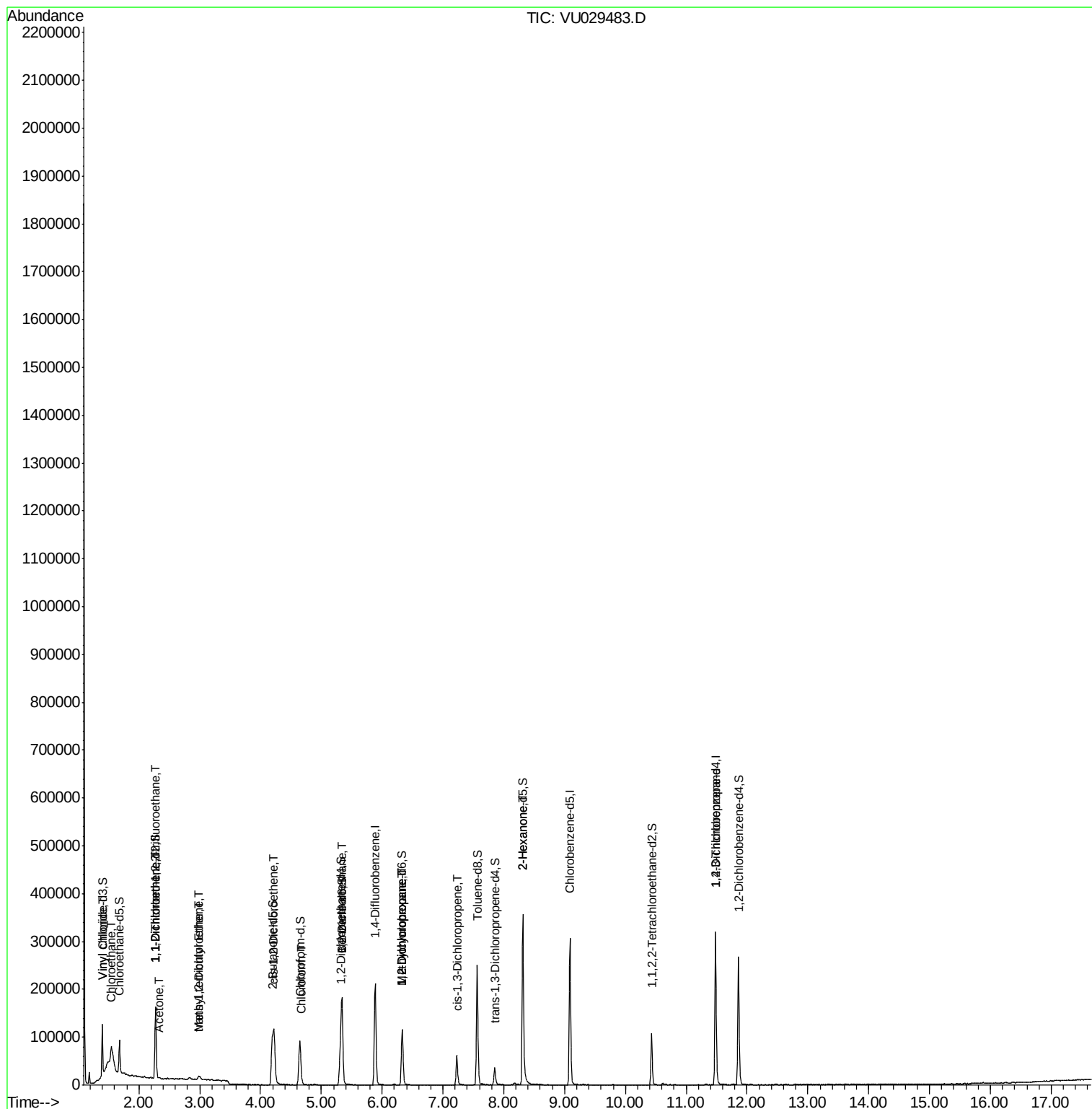
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

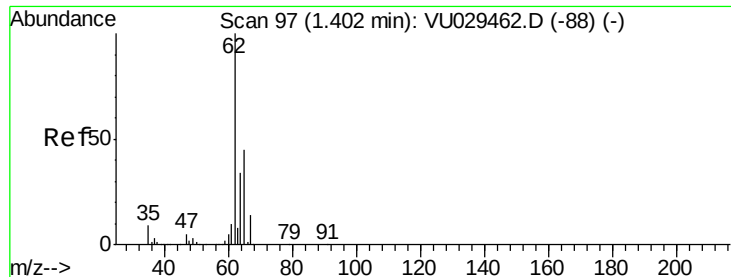
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 1.000 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

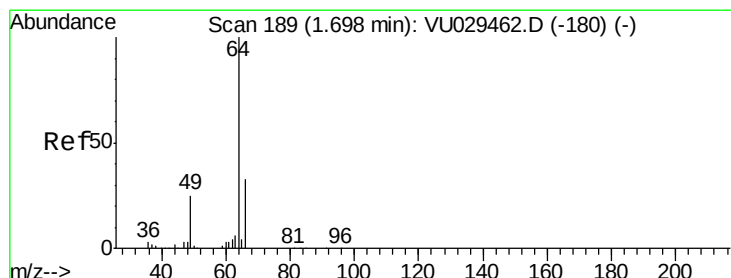
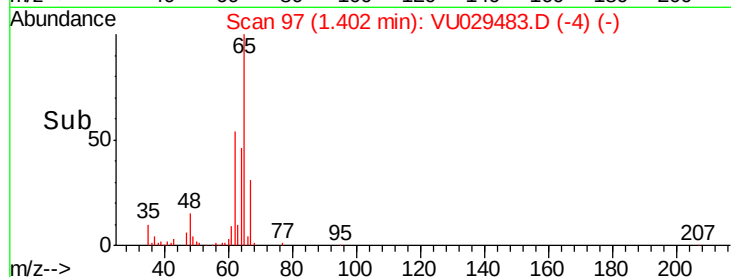
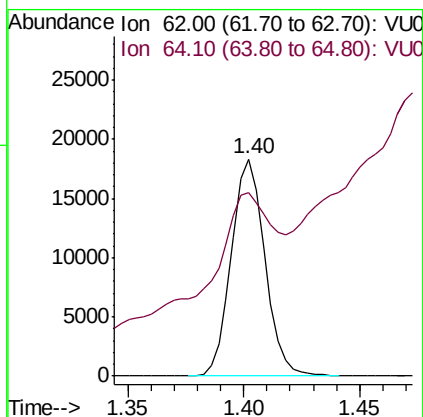
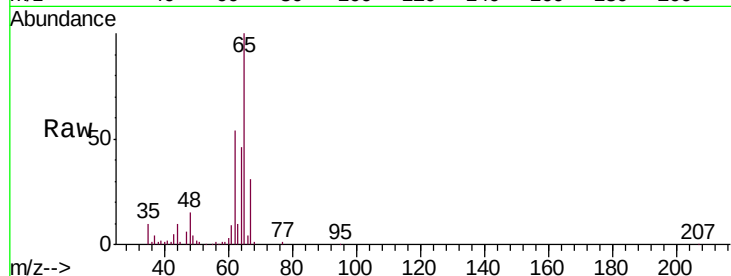
ESXC5

Tgt Ion: 62 Resp: 18409

Ion Ratio Lower Upper

62 100

64 84.5 23.5 43.7#



#8

Chloroethane

Concen: 9.958 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029483.D

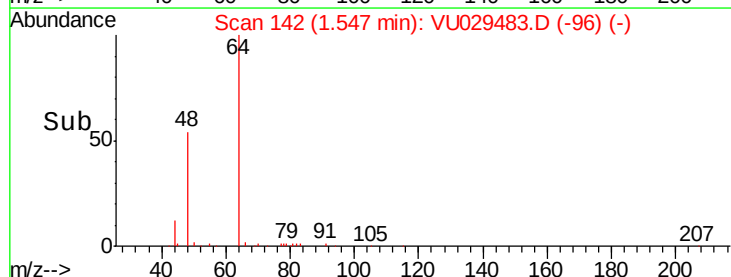
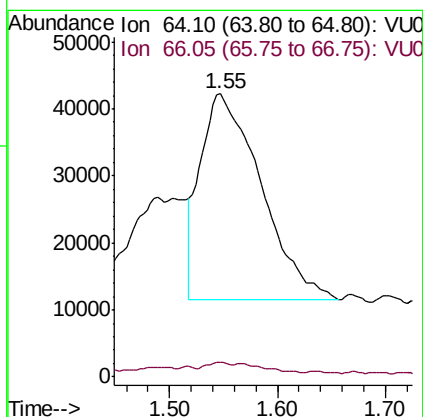
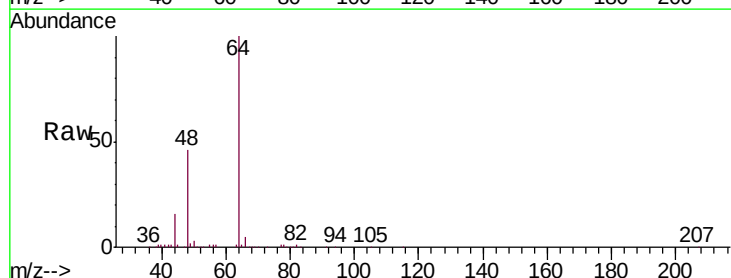
Acq: 15 Feb 2019 02:15

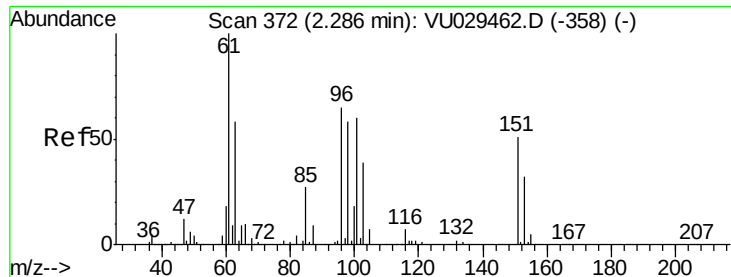
Tgt Ion: 64 Resp: 119412

Ion Ratio Lower Upper

64 100

66 5.3 22.0 40.8#





#10

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

Concen: 0.056 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

ESXC5

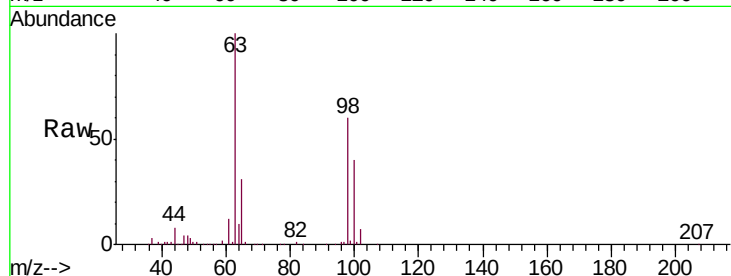
Tgt Ion: 101 Resp: 933

Ion Ratio Lower Upper

101 100

85 57.9 35.1 52.7#

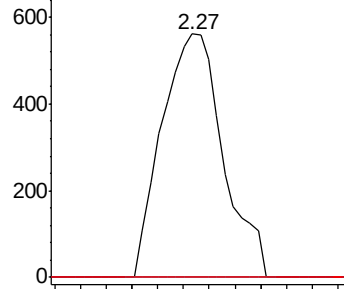
151 0.0 67.0 100.6#



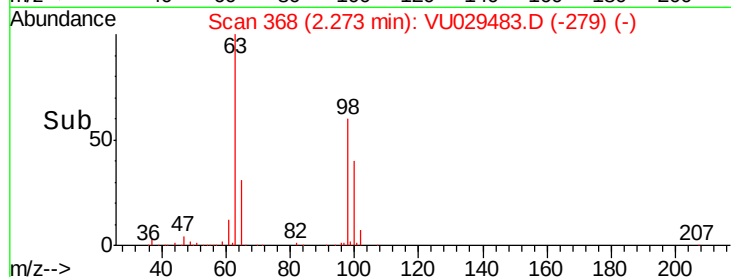
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.076 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

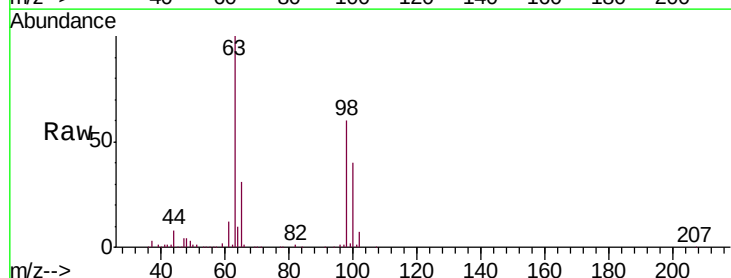
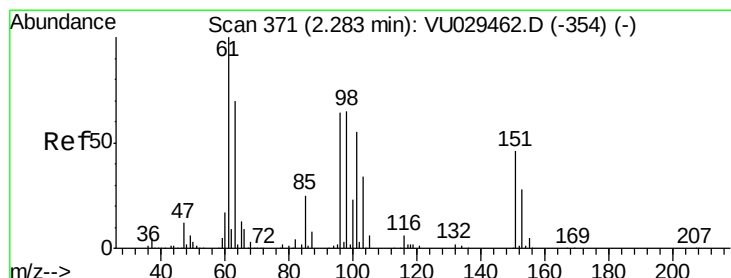
Tgt Ion: 96 Resp: 1194

Ion Ratio Lower Upper

96 100

61 904.6 115.1 213.7#

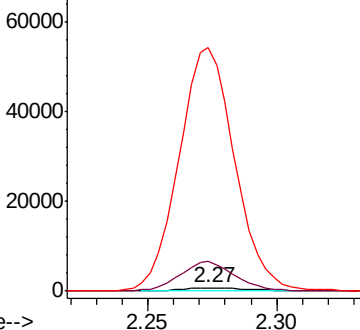
63 7530.2 83.5 155.1#



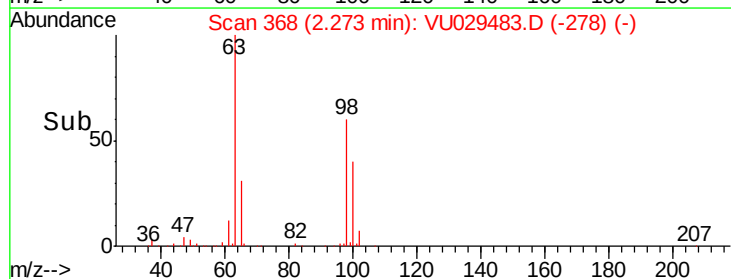
Abundance Ion 96.00 (95.70 to 96.70): VU0

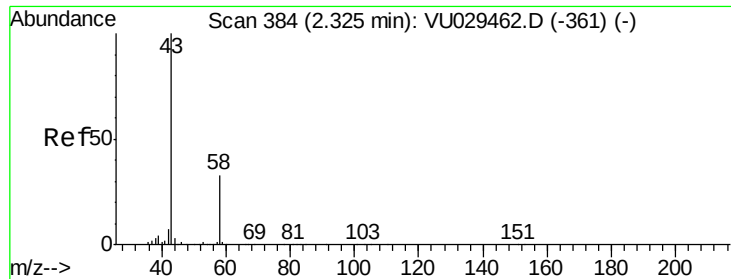
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#13

Acetone

Concen: 0.506 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

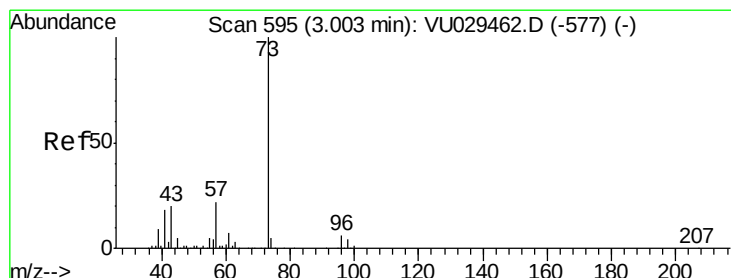
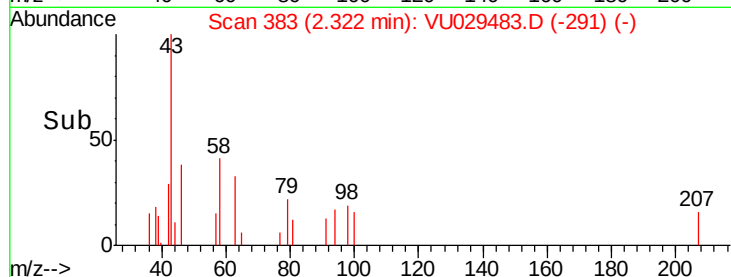
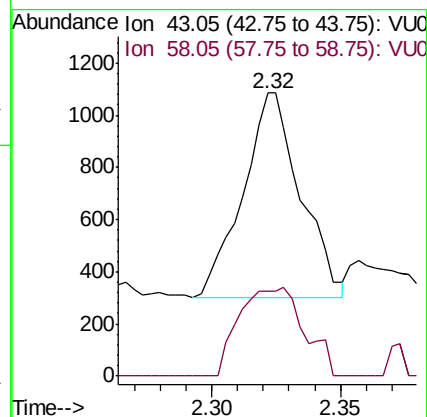
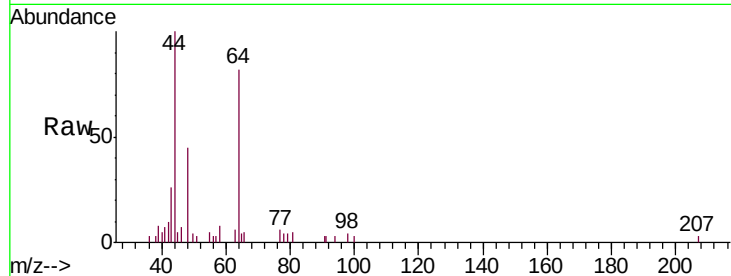
ESXC5

Tgt Ion: 43 Resp: 1227

Ion Ratio Lower Upper

43 100

58 48.2 0.0 65.0



#17

Methyl tert-butyl Ether

Concen: 0.121 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

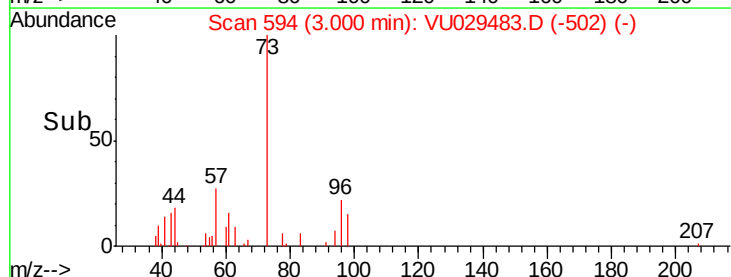
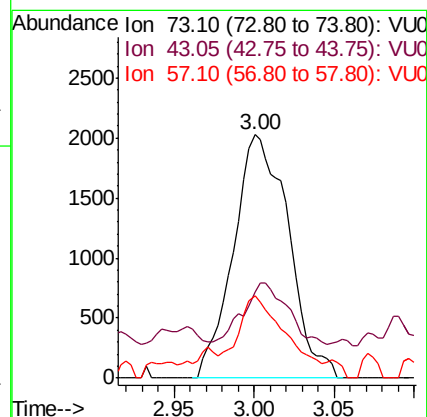
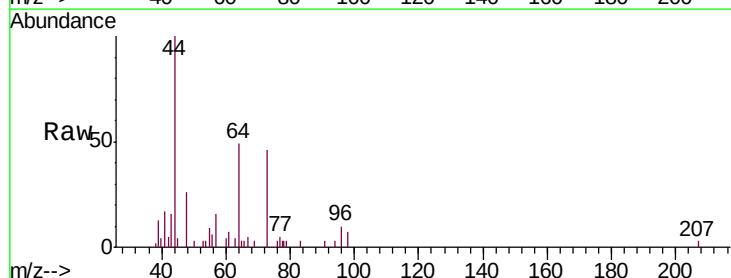
Tgt Ion: 73 Resp: 4755

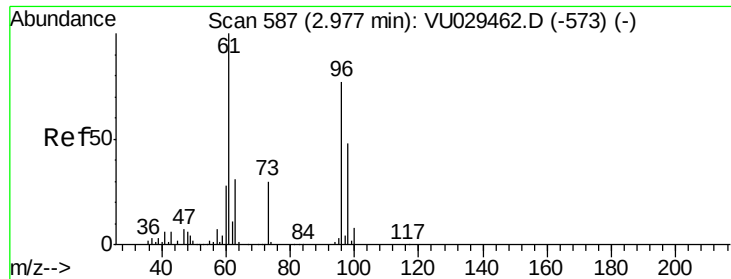
Ion Ratio Lower Upper

73 100

43 20.6 16.0 24.0

57 21.1 16.9 25.3





#18

trans-1,2-Dichloroethene

Concen: 0.144 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

ESXC5

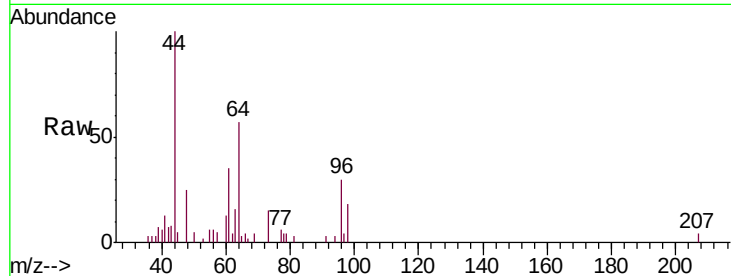
Tgt Ion: 96 Resp: 2410

Ion Ratio Lower Upper

96 100

61 115.8 95.4 177.2

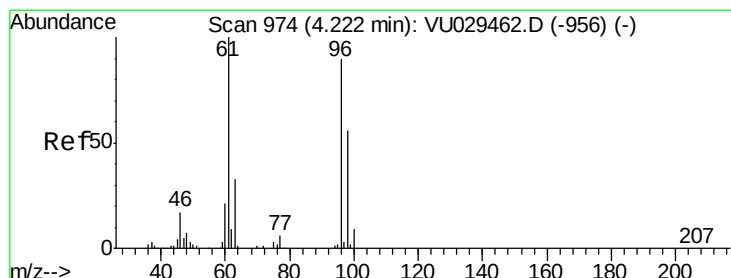
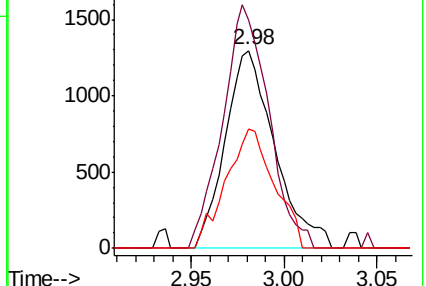
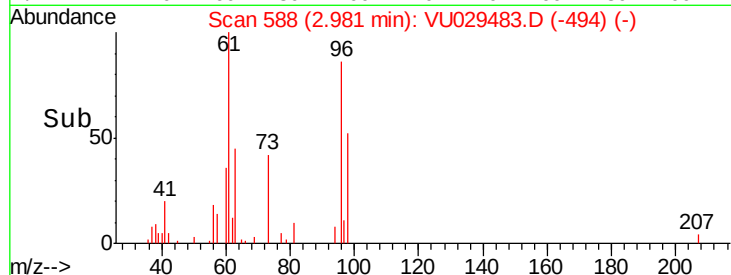
98 60.2 45.8 85.2



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



#22

cis-1,2-Dichloroethene

Concen: 3.461 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

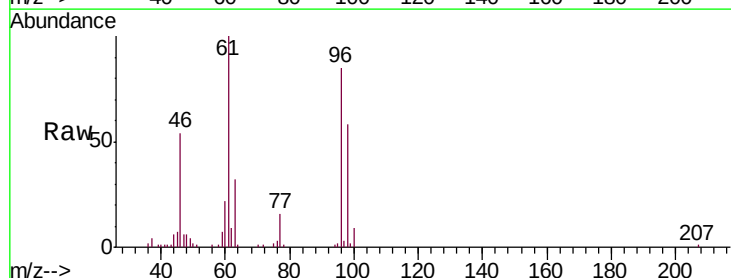
Tgt Ion: 96 Resp: 53428

Ion Ratio Lower Upper

96 100

61 117.4 79.9 148.5

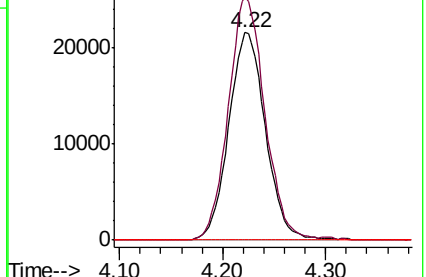
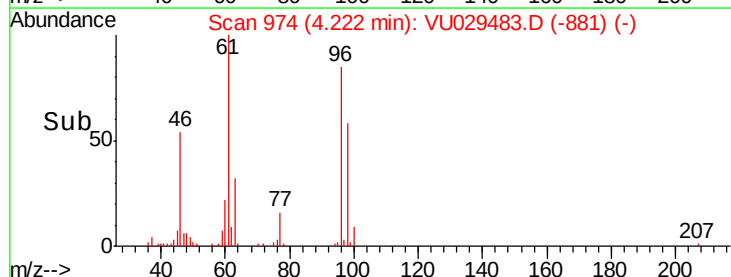
68 0.0 0.0 0.0

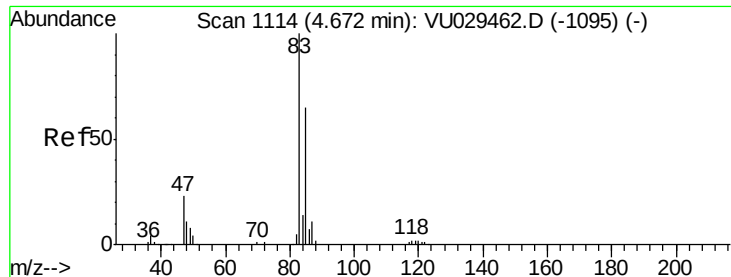


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

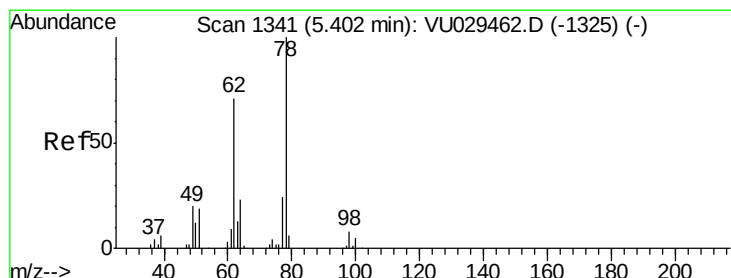
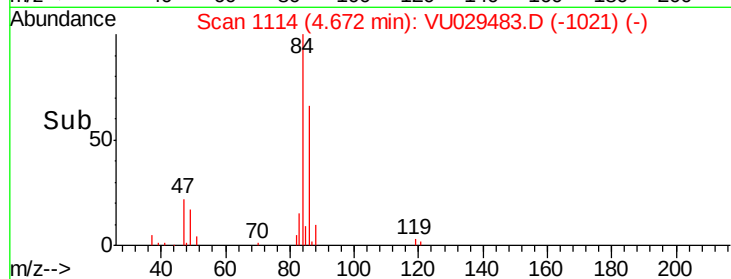
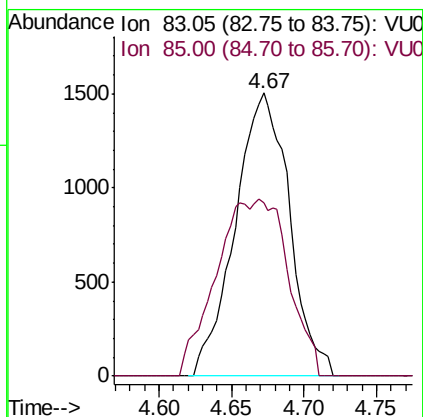
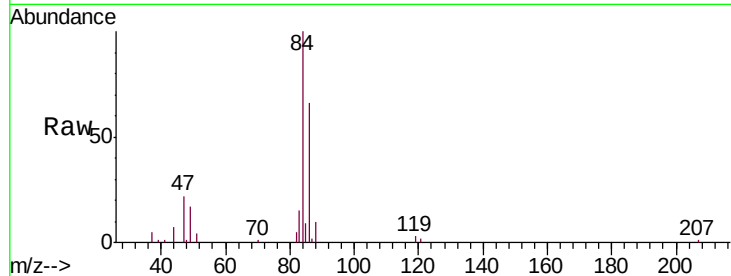




#25
Chloroform
Concen: 0.155 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029483.D
Acq: 15 Feb 2019 02:15

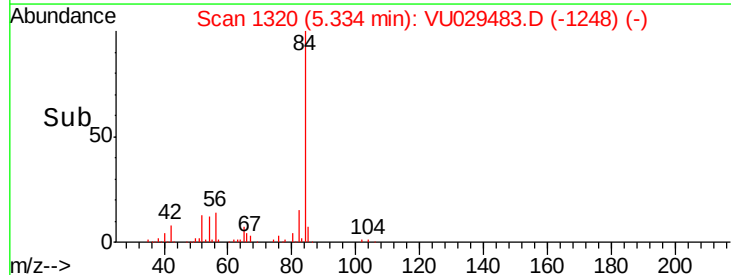
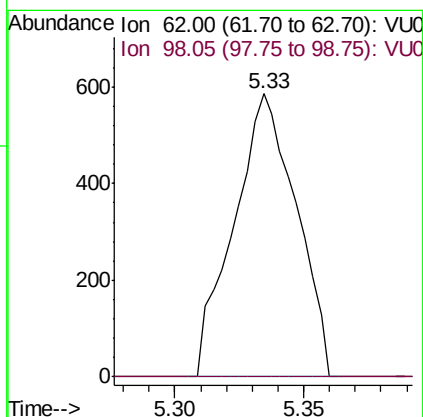
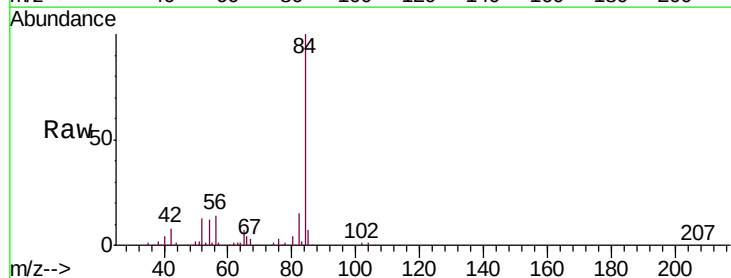
Instrument :
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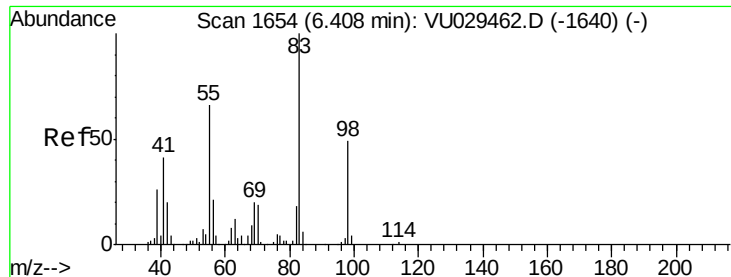
Tgt Ion: 83 Resp: 3917
Ion Ratio Lower Upper
83 100
85 61.2 47.8 88.8



#27
1,2-Dichloroethane
Concen: 0.068 ug/L
RT: 5.33 min Scan# 1320
Delta R.T. -0.07 min
Lab File: VU029483.D
Acq: 15 Feb 2019 02:15

Tgt Ion: 62 Resp: 990
Ion Ratio Lower Upper
62 100
98 0.0 8.4 12.6#





#35

Methylcyclohexane

Concen: 0.569 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

ESXC5

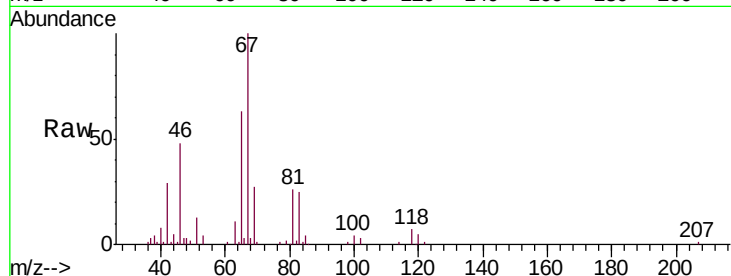
Tgt Ion: 83 Resp: 14225

Ion Ratio Lower Upper

83 100

55 0.2 55.9 83.9#

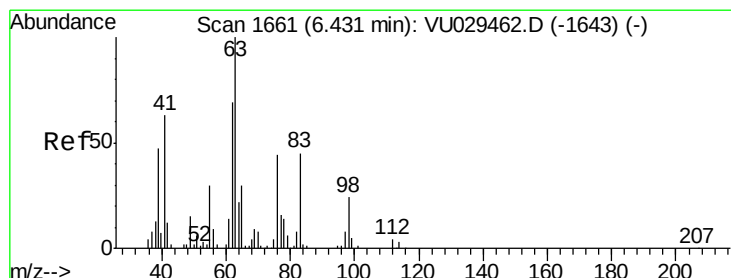
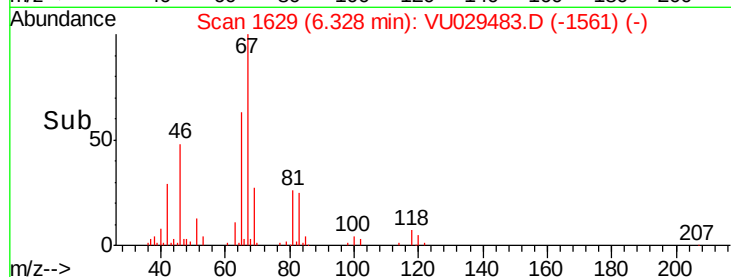
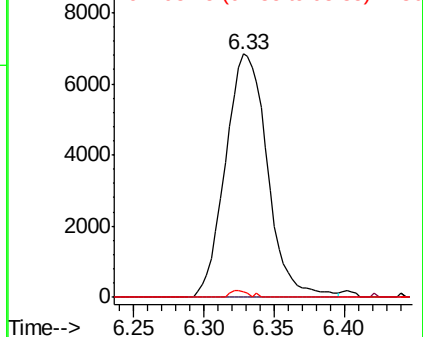
98 1.2 38.6 57.8#



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: 0.462 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU029483.D

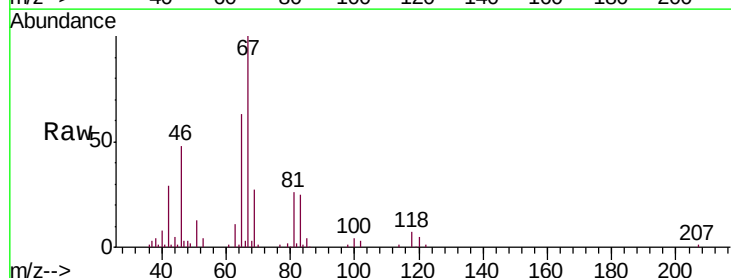
Acq: 15 Feb 2019 02:15

Tgt Ion: 63 Resp: 6115

Ion Ratio Lower Upper

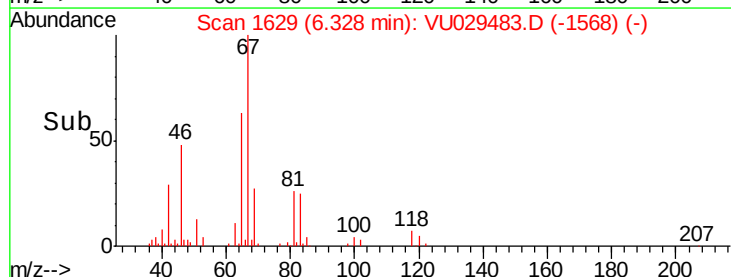
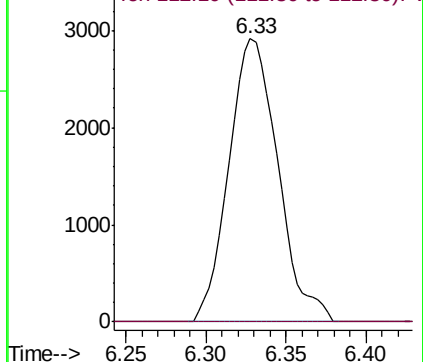
63 100

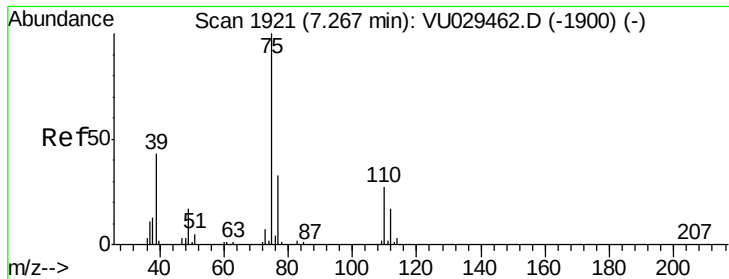
112 0.0 3.5 5.3#



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: 0.065 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

Instrument :

MSVOA_U

ClientSampled :

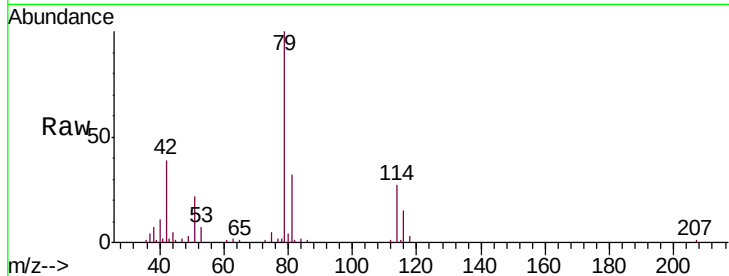
ESXC5

Tgt Ion: 75 Resp: 1361

Ion Ratio Lower Upper

75 100

77 50.3 22.3 41.3#



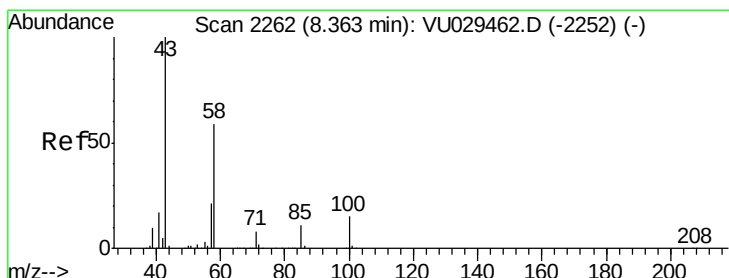
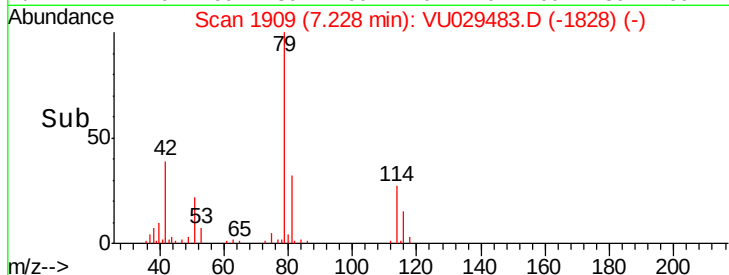
Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.23

7.25

Time-->



#48

2-Hexanone

Concen: 2.545 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

Tgt Ion: 43 Resp: 14164

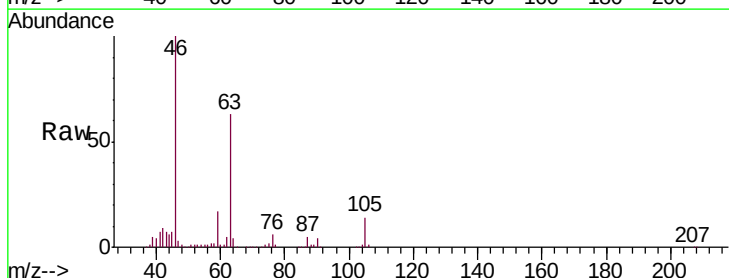
Ion Ratio Lower Upper

43 100

58 26.6 45.7 68.5#

57 26.1 16.4 24.6#

100 0.0 11.1 16.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

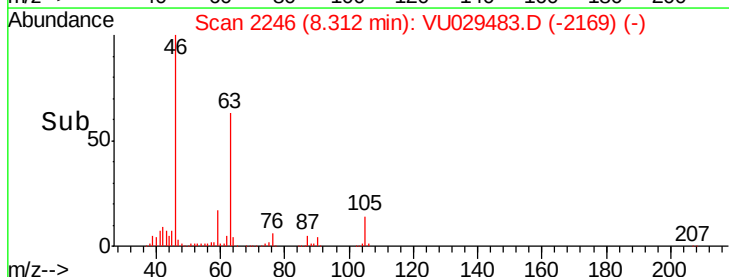
Ion 57.20 (56.90 to 57.90): VU0

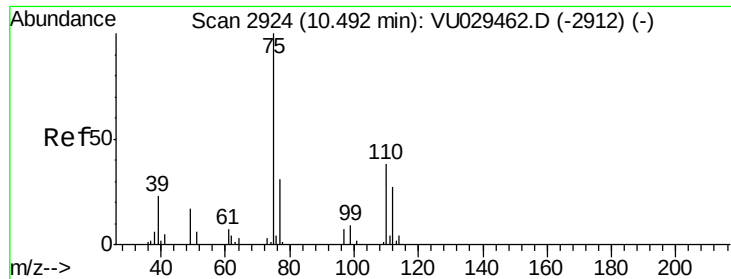
Ion 100.15 (99.85 to 100.85): VU0

8.31

8.35

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.080 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029483.D

Acq: 15 Feb 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

ESXC5

Tgt Ion: 75 Resp: 9178

Ion Ratio Lower Upper

75 100

77 39.4 28.2 42.2

