

Data File : VU029476.D
Acq On : 14 Feb 2019 23:29
Operator : JC/SP
Sample : K1438-15MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MSD

Quant Time: Feb 15 01:59:55 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	193657	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	182542	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94732	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51053	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.68	69	49810	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.28	63	118312	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	4.19	46	140038	51.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.52%
24) Chloroform-d	4.65	84	87798	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.31	65	48067	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.34	84	189918	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.33	67	58709	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.56	98	181868	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.85	79	22418	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.31	63	135121	50.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	50254	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	80807	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	298000	15.978	ug/L	98
8) Chloroethane	1.56	64	93140	7.670	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1415	0.084	ug/L #	42
12) 1,1-Dichloroethene	2.28	96	77203	4.844	ug/L	94
13) Acetone	2.32	43	5289	2.152	ug/L	86
15) Methyl Acetate	2.45	43	11852	1.882	ug/L #	47
18) trans-1,2-Dichloroethene	2.98	96	17854	1.051	ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	1266257	81.002	ug/L	100
25) Chloroform	4.68	83	6955	0.272	ug/L	98
27) 1,2-Dichloroethane	5.39	62	2458	0.166	ug/L #	72
33) Benzene	5.39	78	247676	4.610	ug/L	100
34) Trichloroethene	6.18	95	118556	7.848	ug/L	97
35) Methylcyclohexane	6.33	83	14041	0.552	ug/L #	22
37) 1,2-Dichloropropane	6.33	63	6390	0.475	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	1616	0.076	ug/L #	61
42) Toluene	7.63	91	279659	4.637	ug/L	99
47) Tetrachloroethene	8.22	164	87396	6.316	ug/L	98

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

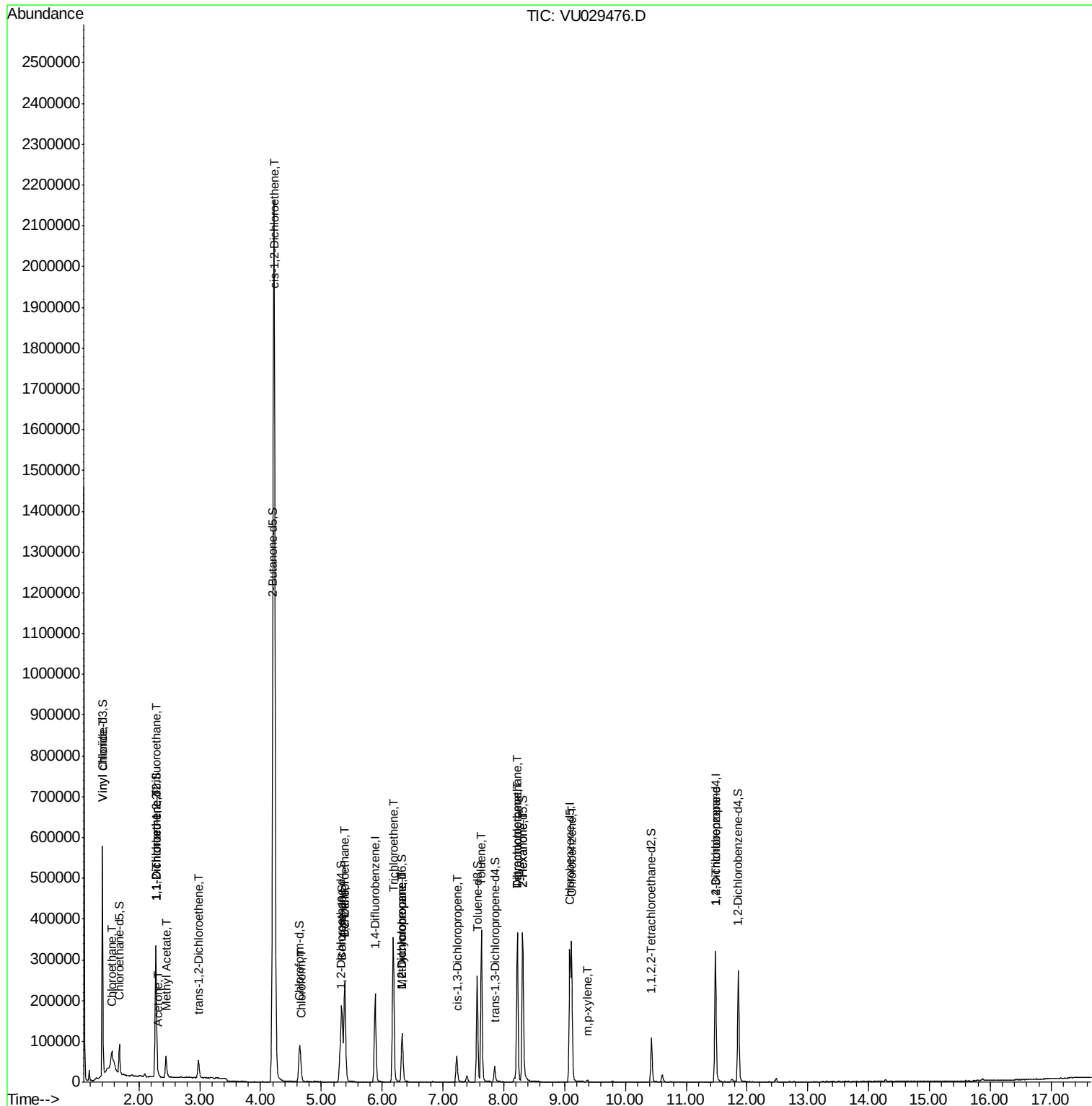
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.31	43	15281	2.703	ug/L #	68
49) Dibromochloromethane	8.22	129	77389	5.570	ug/L #	11
51) Chlorobenzene	9.12	112	188125	4.536	ug/L	99
53) m,p-xylene	9.38	106	1594	0.059	ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	9249	1.071	ug/L	93

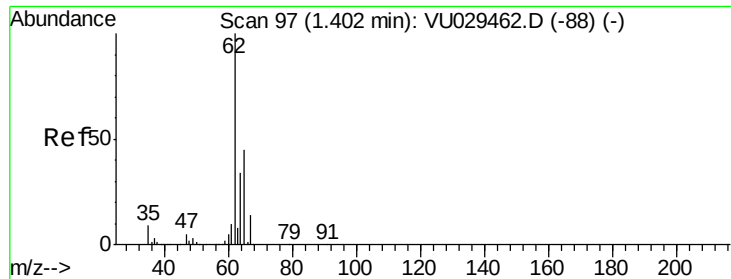
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 15.978 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

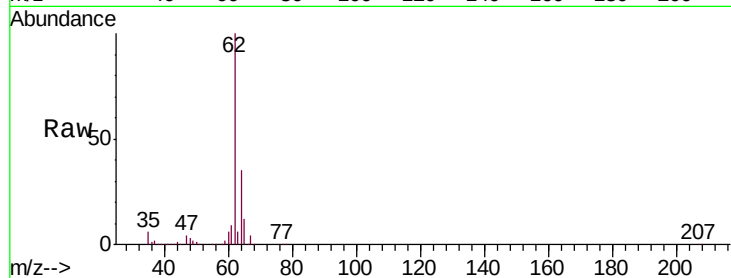
ESXD6MSD

Tgt Ion: 62 Resp: 298000

Ion Ratio Lower Upper

62 100

64 34.8 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

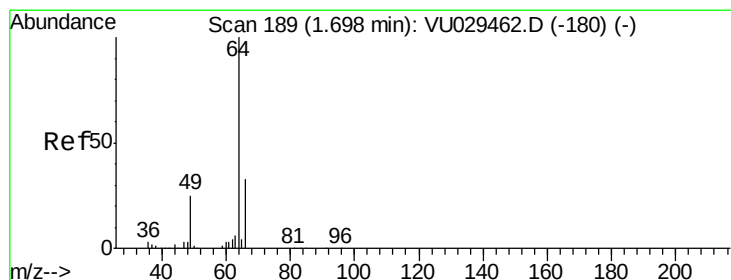
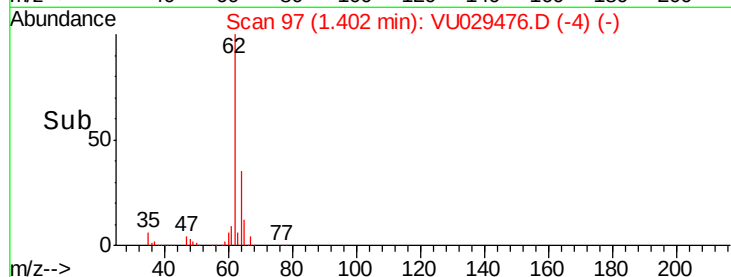
300000

200000

100000

0

Time-->



#8

Chloroethane

Concen: 7.670 ug/L

RT: 1.56 min Scan# 145

Delta R.T. -0.14 min

Lab File: VU029476.D

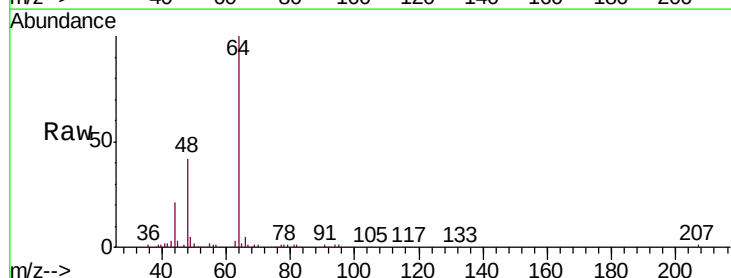
Acq: 14 Feb 2019 23:29

Tgt Ion: 64 Resp: 93140

Ion Ratio Lower Upper

64 100

66 4.9 22.0 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

120000

100000

80000

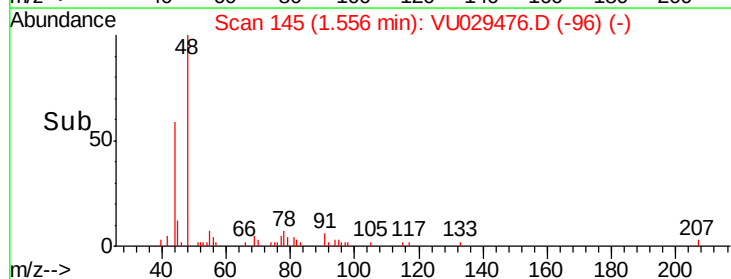
60000

40000

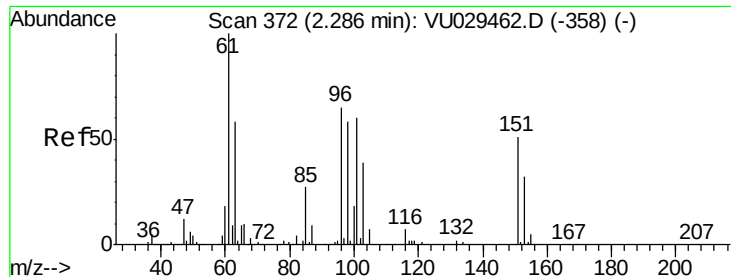
20000

0

Time-->



1.56



#10

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

Concen: 0.084 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

ESXD6MSD

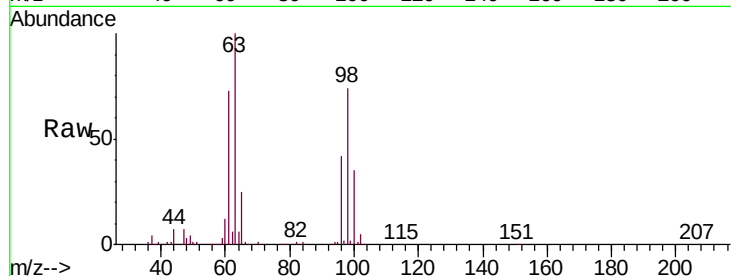
Tgt Ion: 101 Resp: 1415

Ion Ratio Lower Upper

101 100

85 18.7 35.1 52.7#

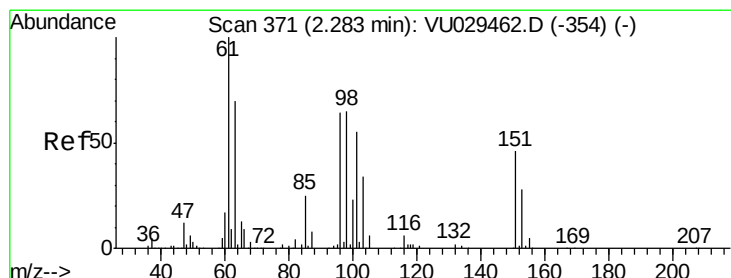
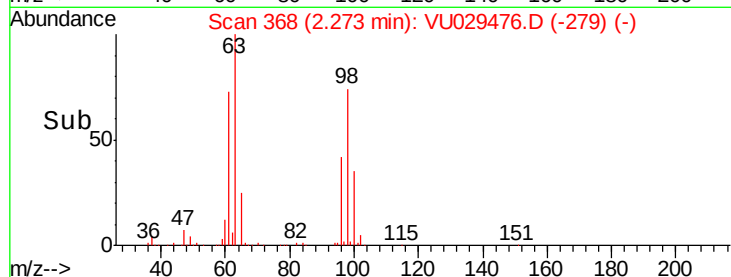
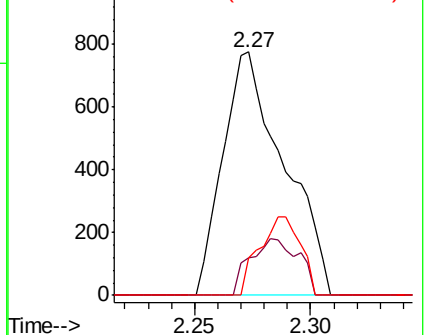
151 21.8 67.0 100.6#



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: 4.844 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

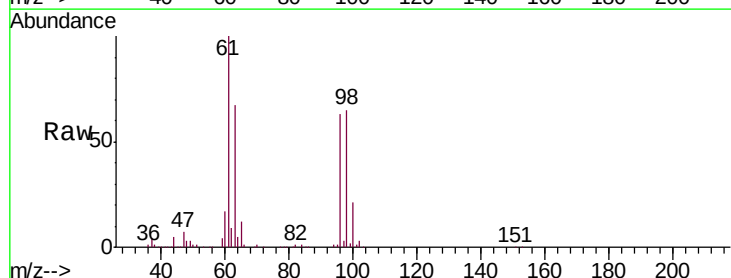
Tgt Ion: 96 Resp: 77203

Ion Ratio Lower Upper

96 100

61 159.8 115.1 213.7

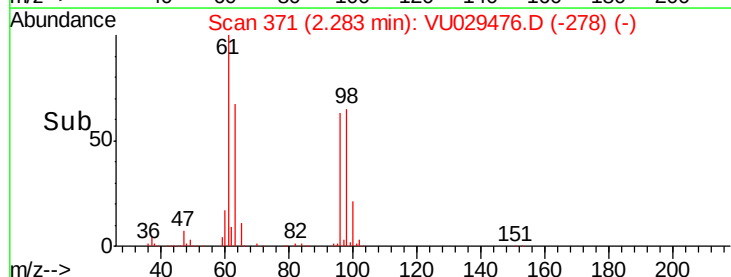
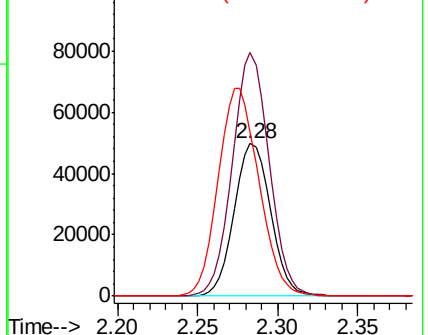
63 107.6 83.5 155.1

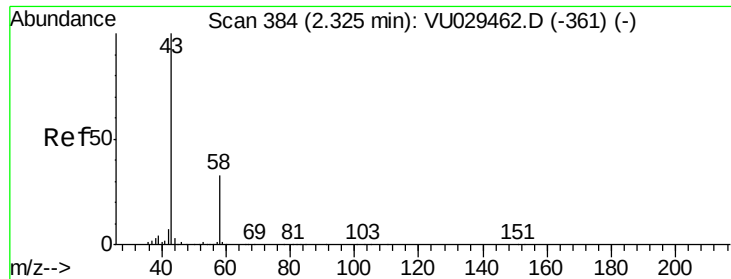


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

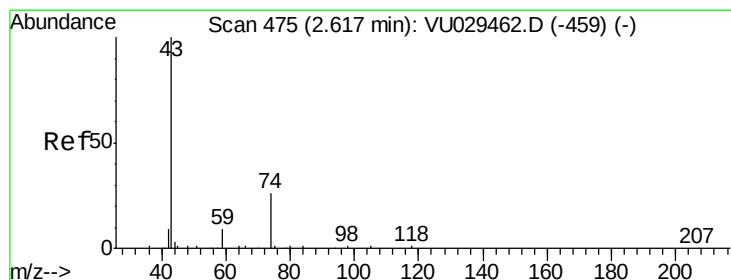
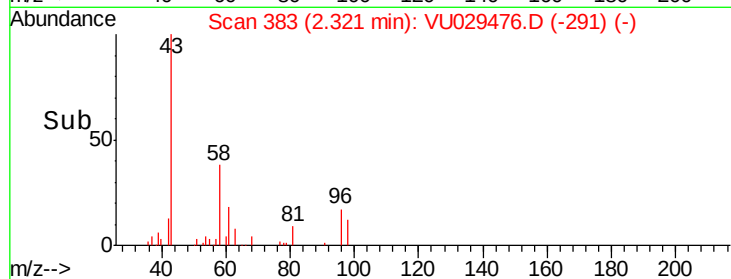
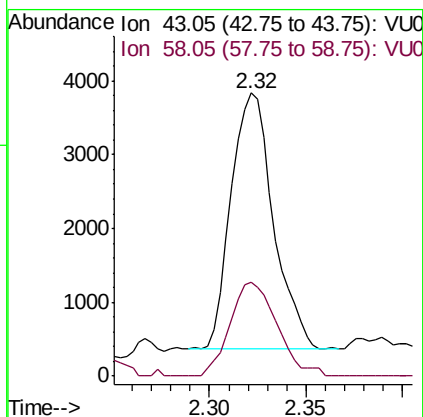
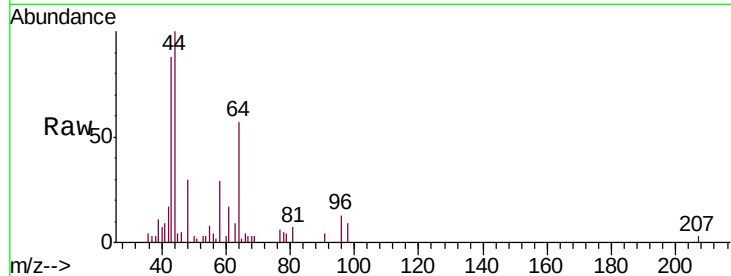




#13
Acetone
Concen: 2.152 ug/L
RT: 2.32 min Scan# 383
Delta R.T. -0.00 min
Lab File: VU029476.D
Acq: 14 Feb 2019 23:29

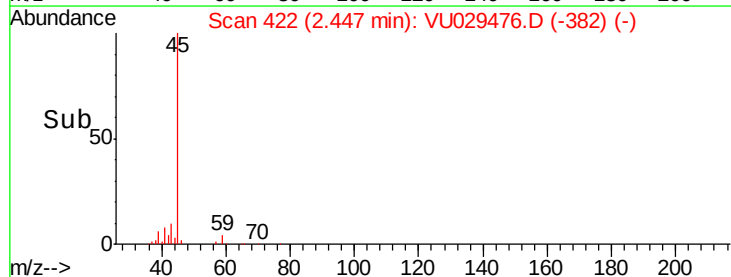
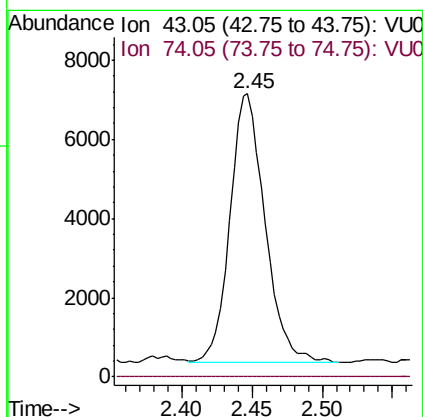
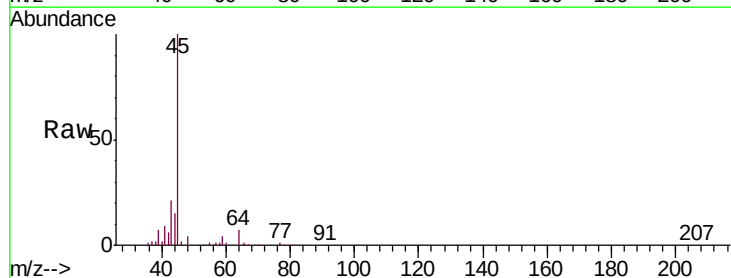
Instrument :
MSVOA_U
ClientSampleId :
ESXD6MSD

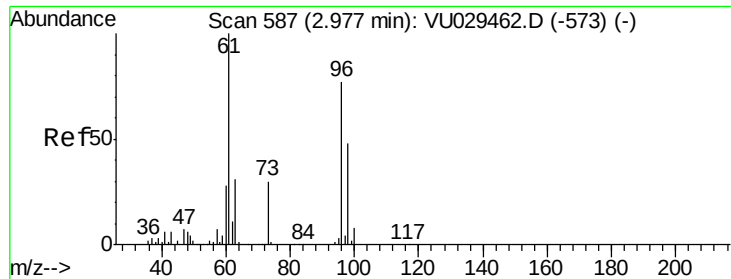
Tgt Ion: 43 Resp: 5289
Ion Ratio Lower Upper
43 100
58 40.5 0.0 65.0



#15
Methyl Acetate
Concen: 1.882 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.17 min
Lab File: VU029476.D
Acq: 14 Feb 2019 23:29

Tgt Ion: 43 Resp: 11852
Ion Ratio Lower Upper
43 100
74 0.0 22.3 33.5#





#18

trans-1,2-Dichloroethene

Concen: 1.051 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

ESXD6MSD

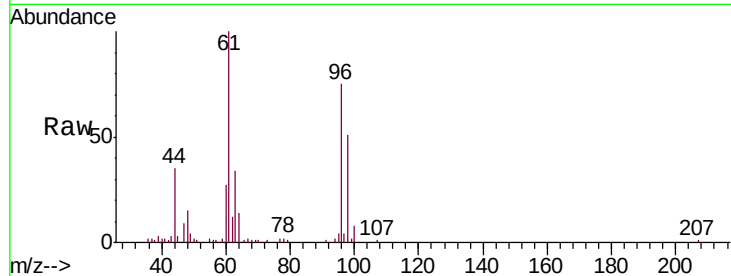
Tgt Ion: 96 Resp: 17854

Ion Ratio Lower Upper

96 100

61 133.8 95.4 177.2

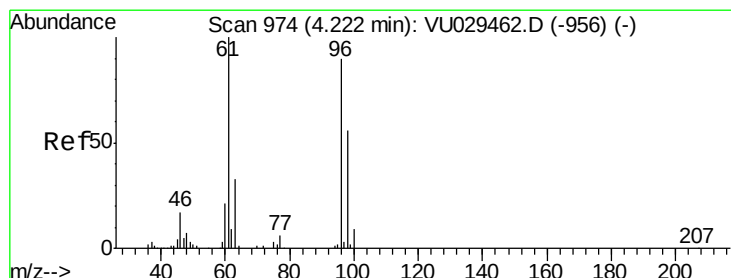
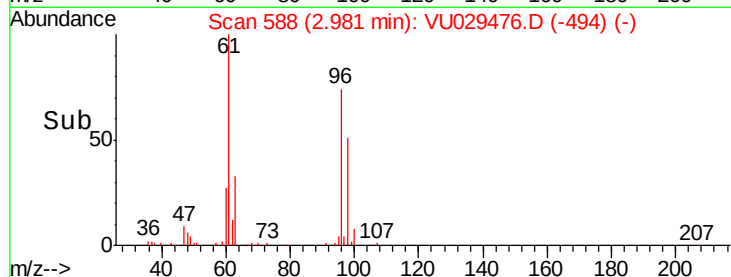
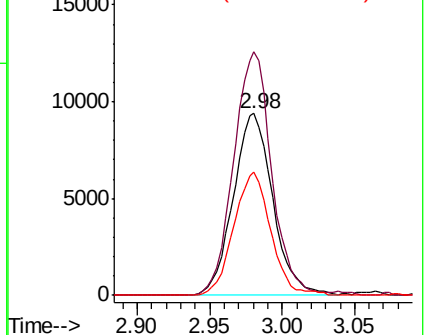
98 67.7 45.8 85.2



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: 81.002 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

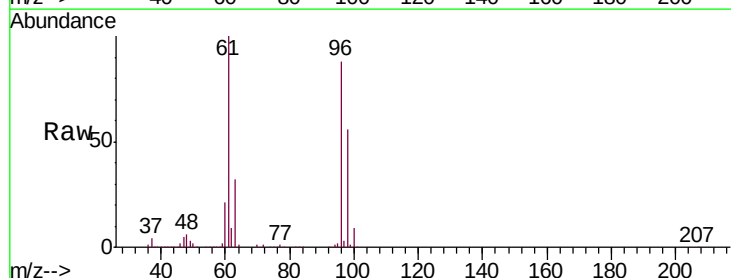
Tgt Ion: 96 Resp: 1266257

Ion Ratio Lower Upper

96 100

61 114.2 79.9 148.5

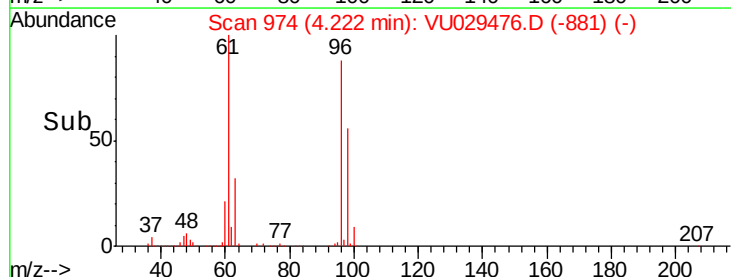
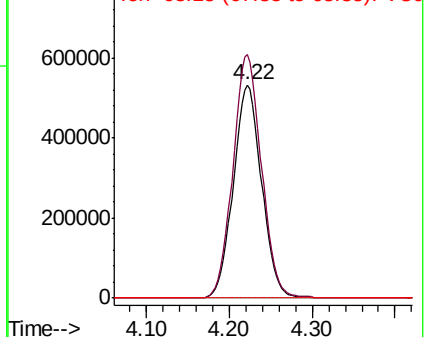
68 0.0 0.0 0.0

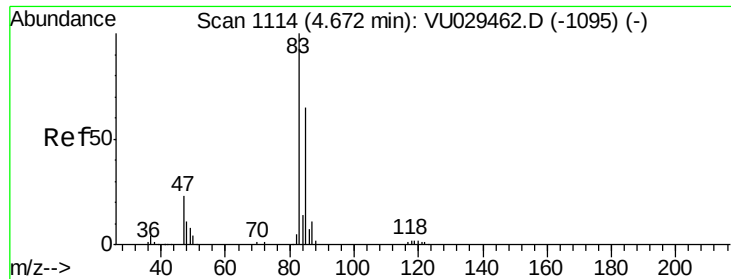


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#25

Chloroform

Concen: 0.272 ug/L

RT: 4.68 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VU029476.D

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Instrument :

MSVOA_U

ClientSampleId :

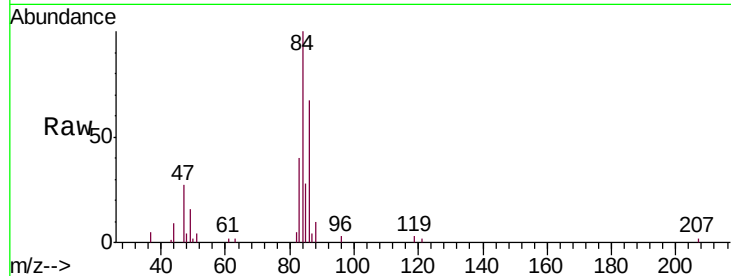
ESXD6MSD

Tgt Ion: 83 Resp: 6955

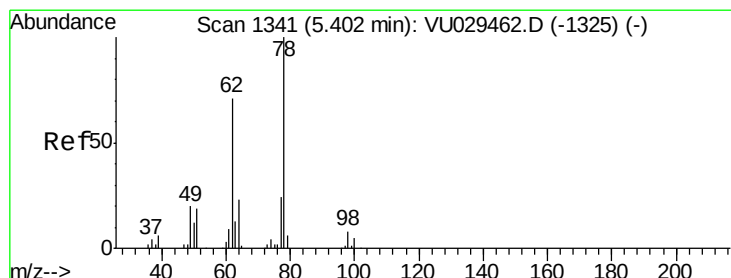
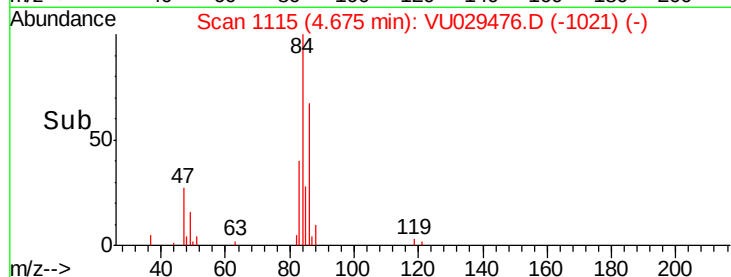
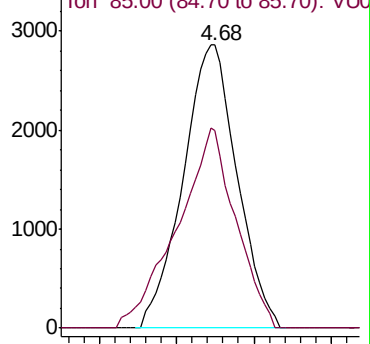
Ion Ratio Lower Upper

83 100

85 69.8 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU029476.D (-1095) (-)



#27

1,2-Dichloroethane

Concen: 0.166 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VU029476.D

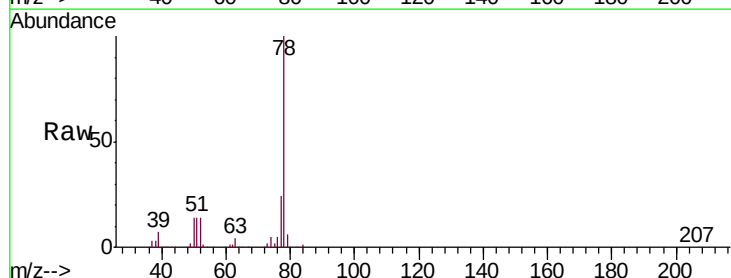
Acq: 14 Feb 2019 23:29

Tgt Ion: 62 Resp: 2458

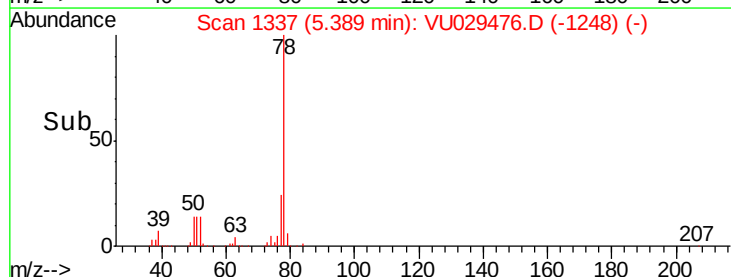
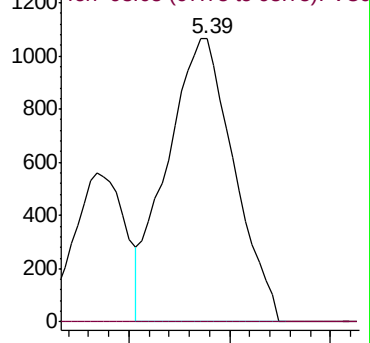
Ion Ratio Lower Upper

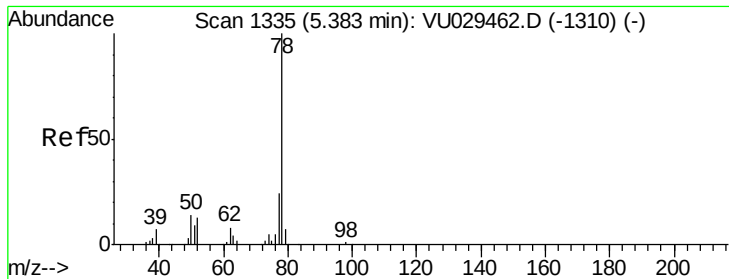
62 100

98 0.0 8.4 12.6#



Abundance Ion 62.00 (61.70 to 62.70): VU029476.D (-1248) (-)





#33

Benzene

Concen: 4.610 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

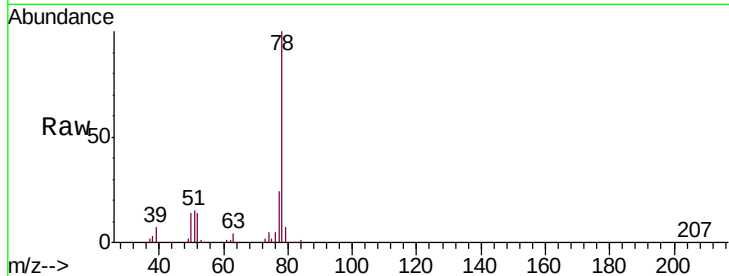
Instrument :

MSVOA_U

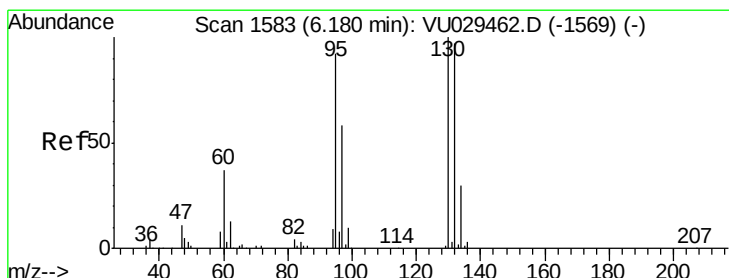
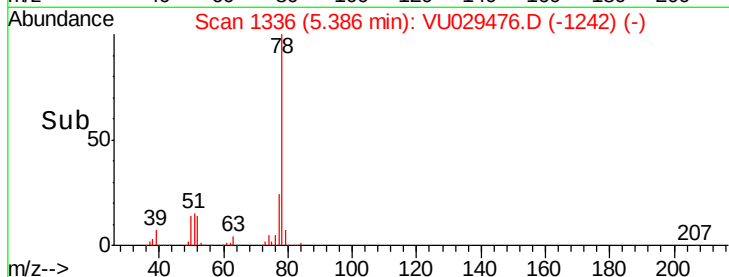
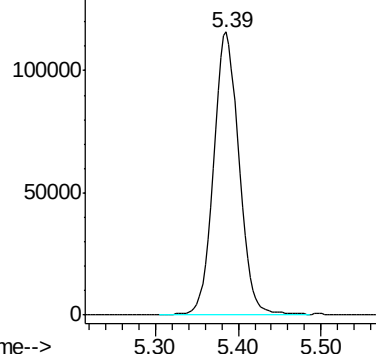
ClientSampleId :

ESXD6MSD

Tgt Ion: 78 Resp: 247676



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 7.848 ug/L

RT: 6.18 min Scan# 1584

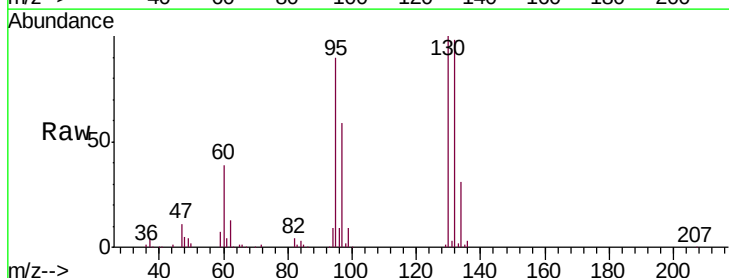
Delta R.T. 0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Tgt Ion: 95 Resp: 118556

Ion	Ratio	Lower	Upper
95	100		
97	66.0	46.3	86.1
132	109.9	72.9	135.3
130	111.6	79.2	147.0

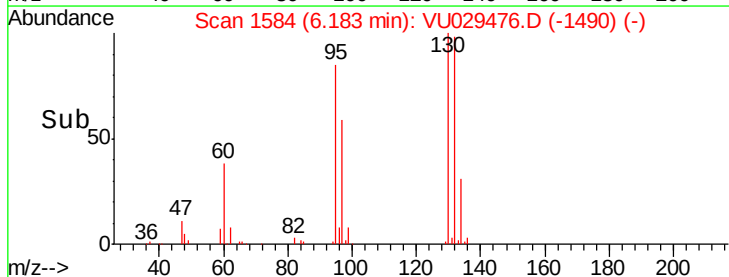
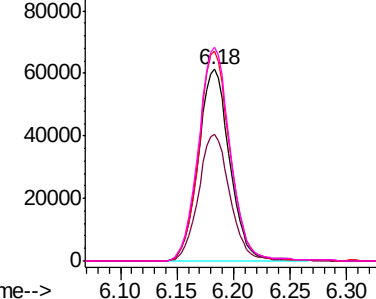


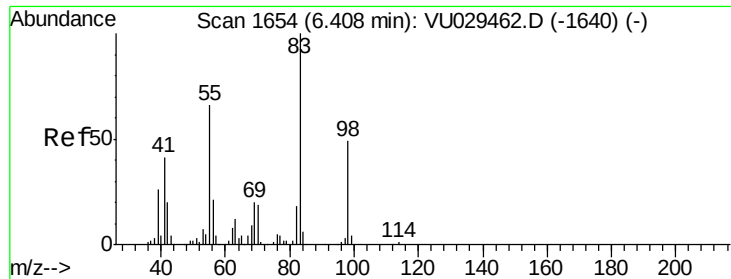
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.552 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

ESXD6MSD

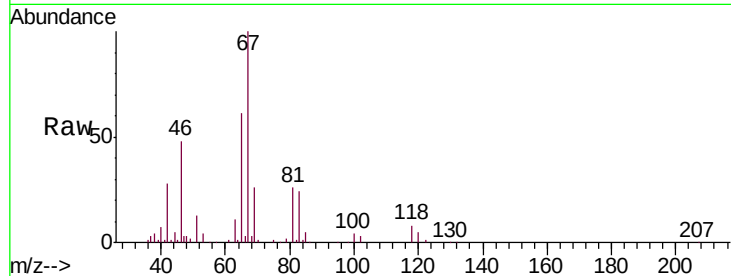
Tgt Ion: 83 Resp: 14041

Ion Ratio Lower Upper

83 100

55 0.8 55.9 83.9#

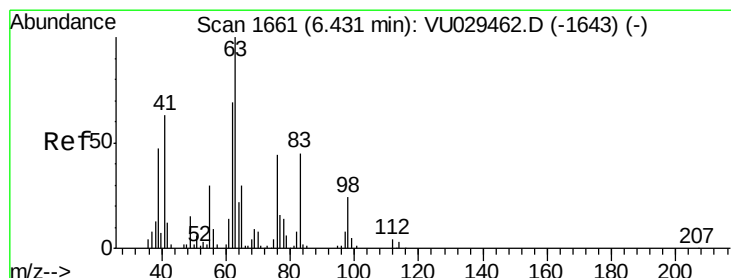
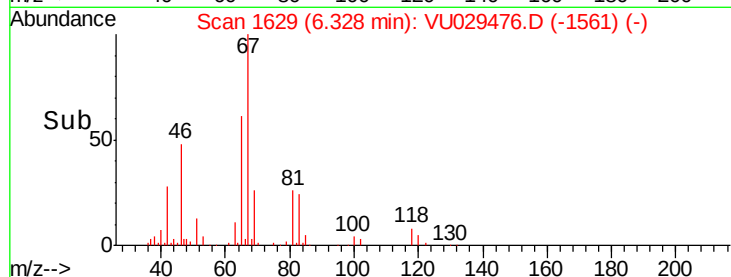
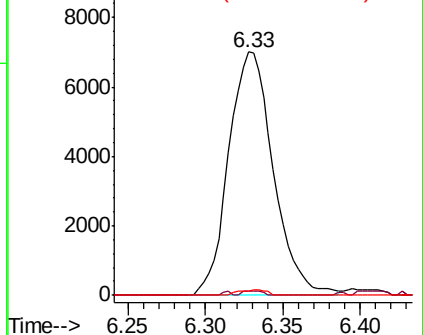
98 1.4 38.6 57.8#



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: 0.475 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029476.D

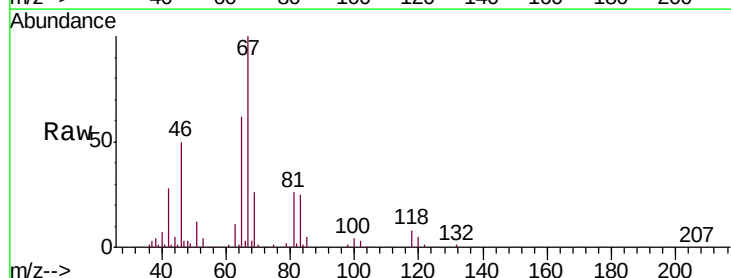
Acq: 14 Feb 2019 23:29

Tgt Ion: 63 Resp: 6390

Ion Ratio Lower Upper

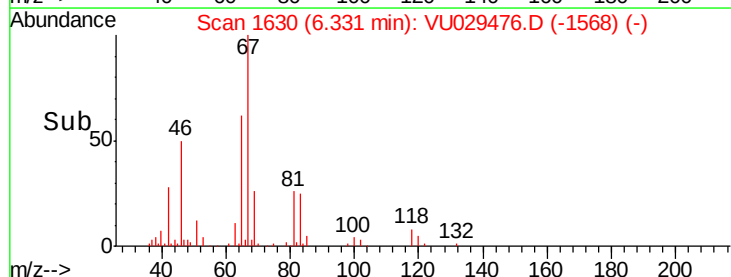
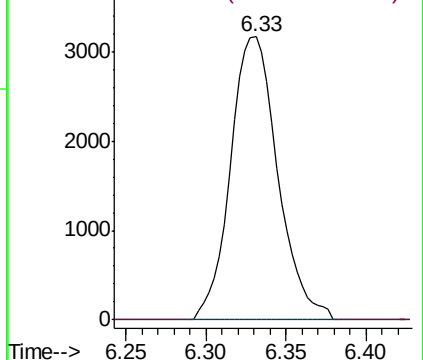
63 100

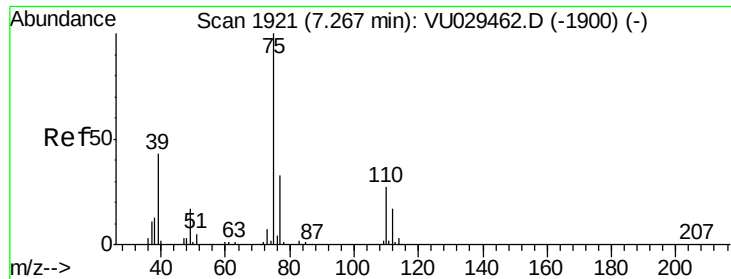
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



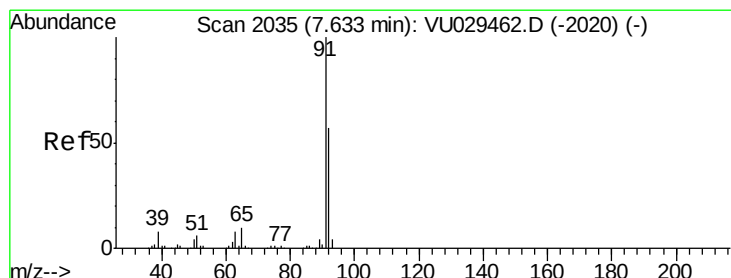
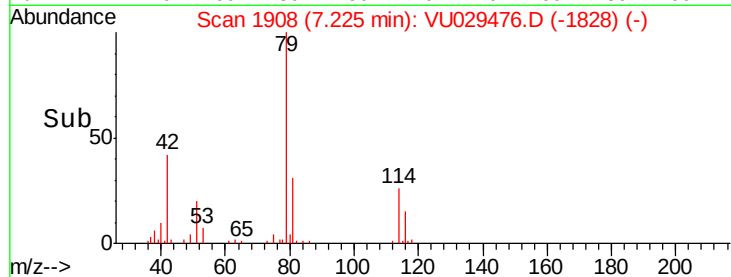
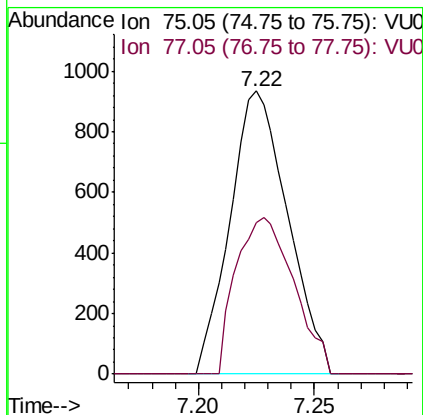
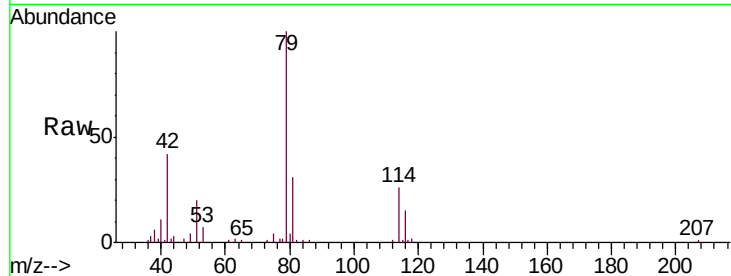


#39

cis-1,3-Dichloropropene
Concen: 0.076 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU029476.D
Acq: 14 Feb 2019 23:29

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MSD

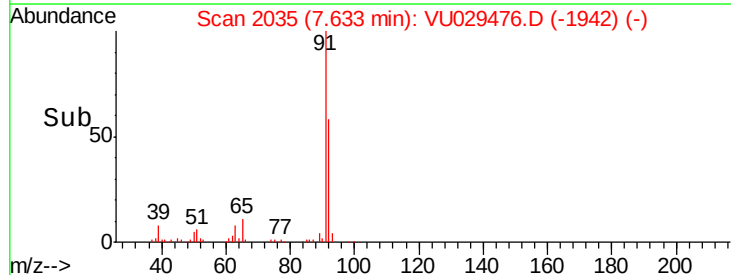
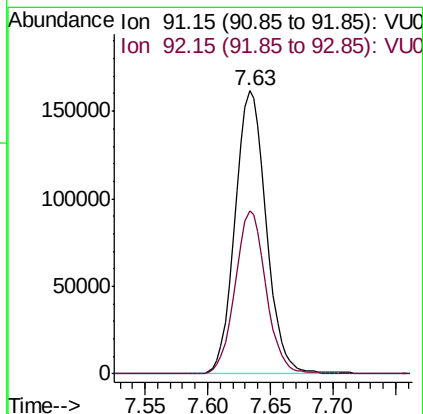
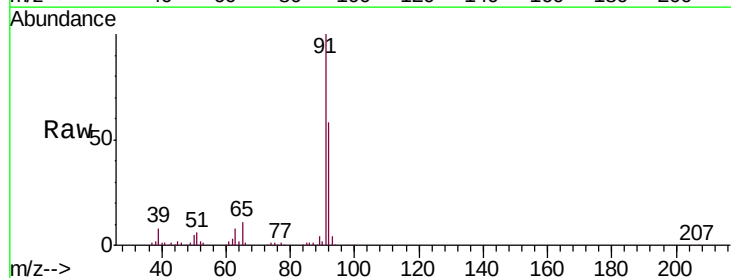
Tgt Ion: 75 Resp: 1616
Ion Ratio Lower Upper
75 100
77 53.5 22.3 41.3#

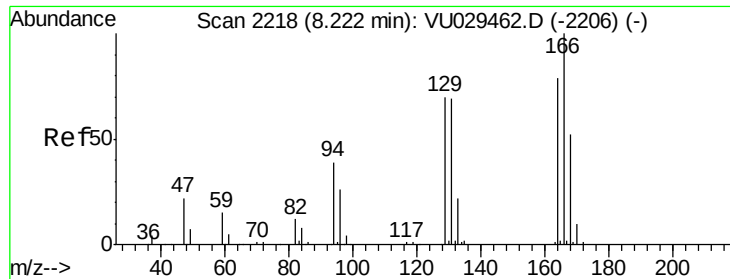


#42

Toluene
Concen: 4.637 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU029476.D
Acq: 14 Feb 2019 23:29

Tgt Ion: 91 Resp: 279659
Ion Ratio Lower Upper
91 100
92 57.6 39.8 73.8





#47

Tetrachloroethene

Concen: 6.316 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

ESXD6MSD

Tgt Ion:164 Resp: 87396

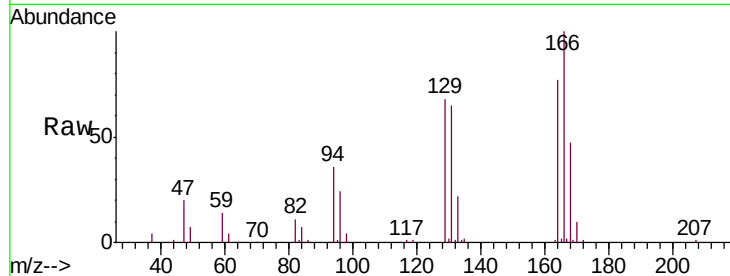
Ion Ratio Lower Upper

164 100

129 88.3 62.9 116.9

131 85.1 62.1 115.3

166 130.1 89.8 166.8

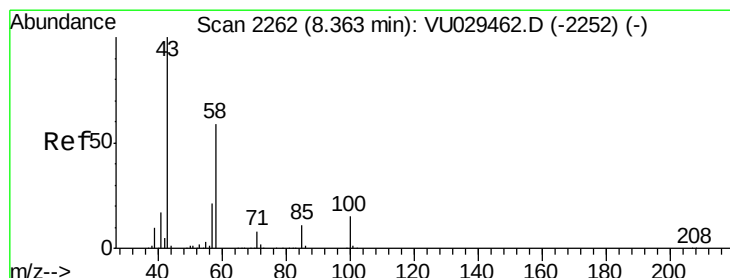
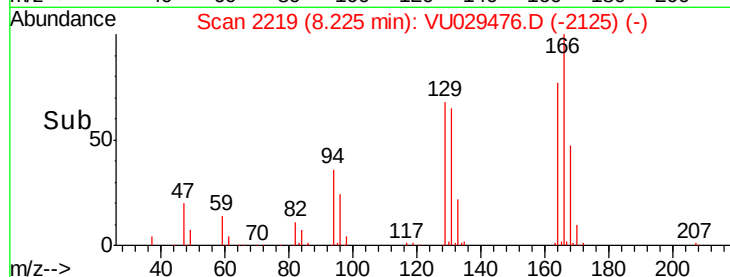
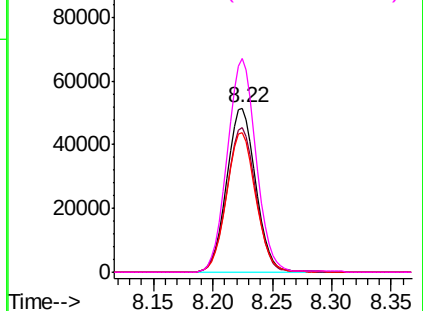


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.703 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Tgt Ion: 43 Resp: 15281

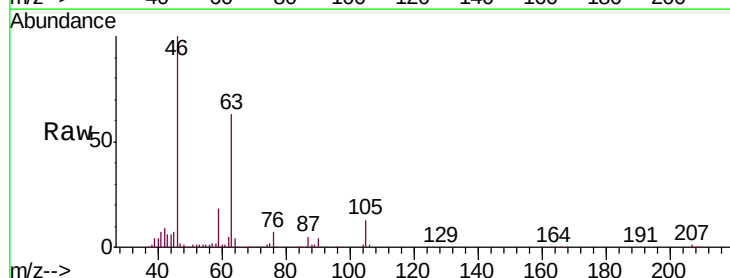
Ion Ratio Lower Upper

43 100

58 27.0 45.7 68.5#

57 22.9 16.4 24.6

100 0.0 11.1 16.7#

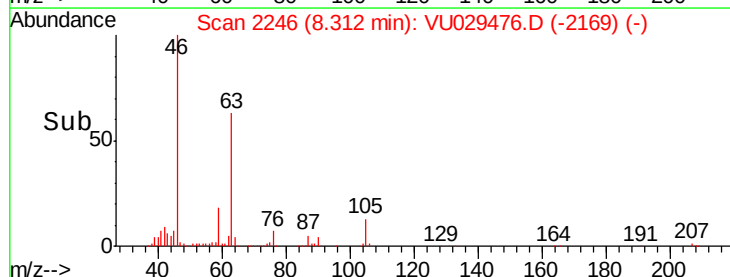
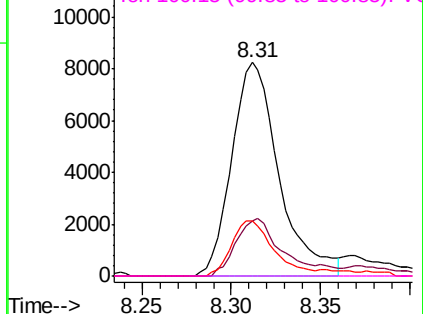


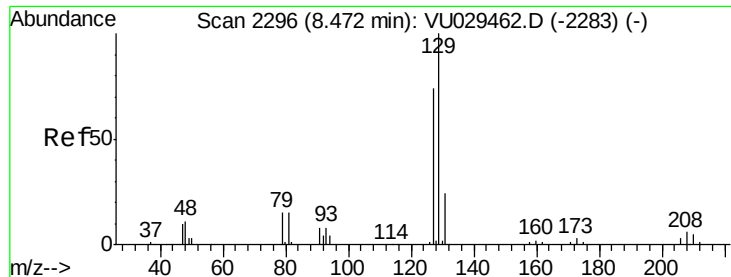
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#49

Dibromochloromethane

Concen: 5.570 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

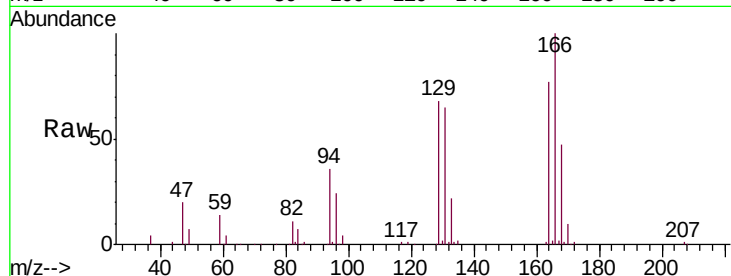
ESXD6MSD

Tgt Ion:129 Resp: 77389

Ion Ratio Lower Upper

129 100

127 0.0 53.3 99.1#

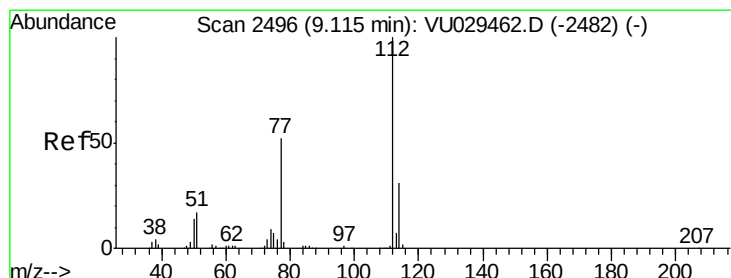
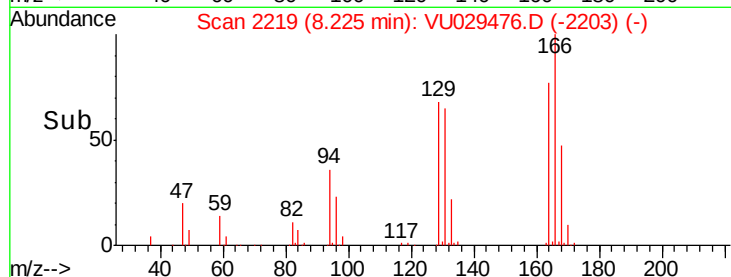


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

Time-->



#51

Chlorobenzene

Concen: 4.536 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

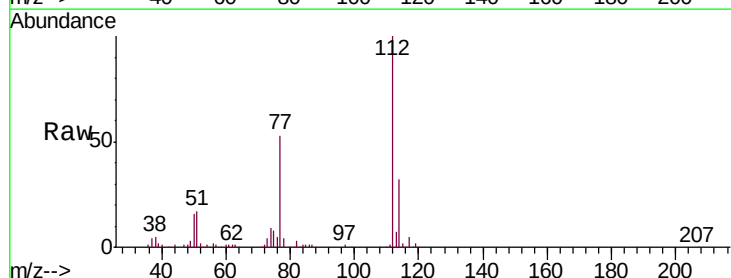
Tgt Ion:112 Resp: 188125

Ion Ratio Lower Upper

112 100

114 31.8 22.9 42.5

77 52.6 41.8 62.6



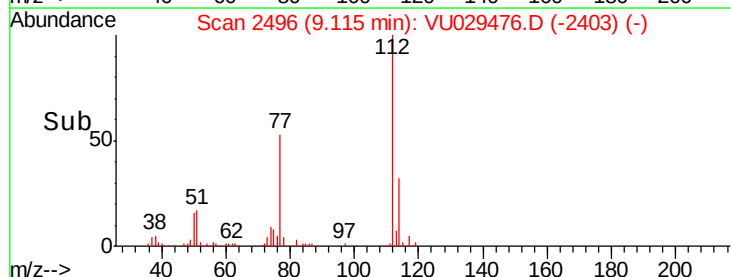
Abundance Ion 112.10 (111.80 to 112.80): V

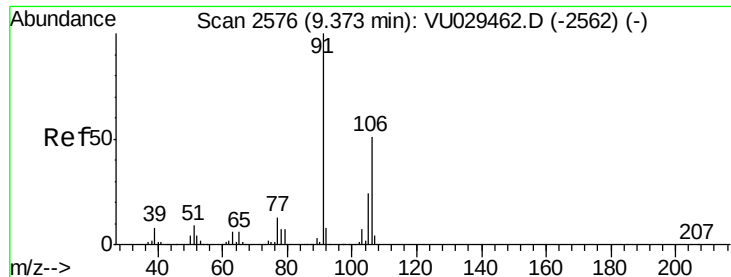
Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU

9.12

Time-->

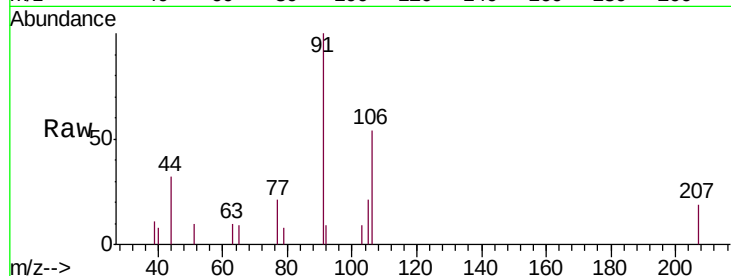




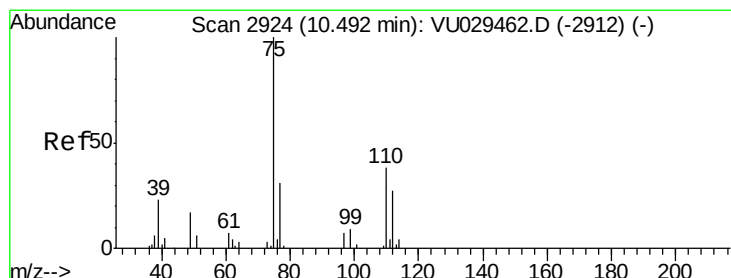
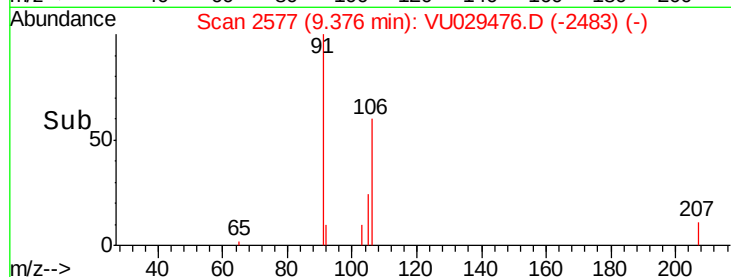
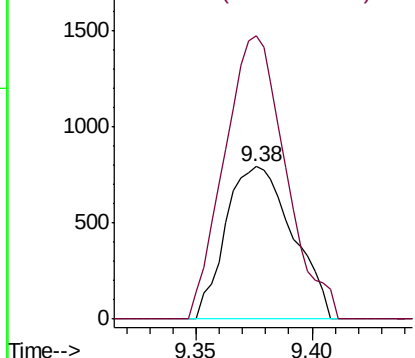
#53
m,p-xylene
Concen: 0.059 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU029476.D
Acq: 14 Feb 2019 23:29

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MSD

Tgt Ion: 106 Resp: 1594
Ion Ratio Lower Upper
106 100
91 185.5 135.7 251.9

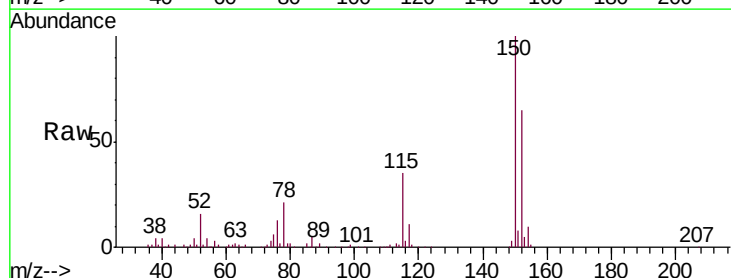


Abundance Ion 106.15 (105.85 to 106.85): VU029476.D (-2562) (-)
Ion 91.15 (90.85 to 91.85): VU029476.D (-2562) (-)



#59
1,2,3-Trichloropropane
Concen: 1.071 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029476.D
Acq: 14 Feb 2019 23:29

Tgt Ion: 75 Resp: 9249
Ion Ratio Lower Upper
75 100
77 39.2 28.2 42.2



Abundance Ion 75.00 (74.70 to 75.70): VU029476.D (-2912) (-)
Ion 77.00 (76.70 to 77.70): VU029476.D (-2912) (-)

