

Data File : VU029546.D
Acq On : 19 Feb 2019 11:35
Operator : JC/SP
Sample : VU0219WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK56

Quant Time: Feb 20 00:10:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 20 00:07:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	212492	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	203929	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107054	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62537	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.68	69	58504	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.27	63	99137	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.19	46	161258	54.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.64%
24) Chloroform-d	4.64	84	116218	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.31	65	64070	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.33	84	239990	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.33	67	73839	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.56	98	228442	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.85	79	28813	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.31	63	162112	54.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	65122	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	99720	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

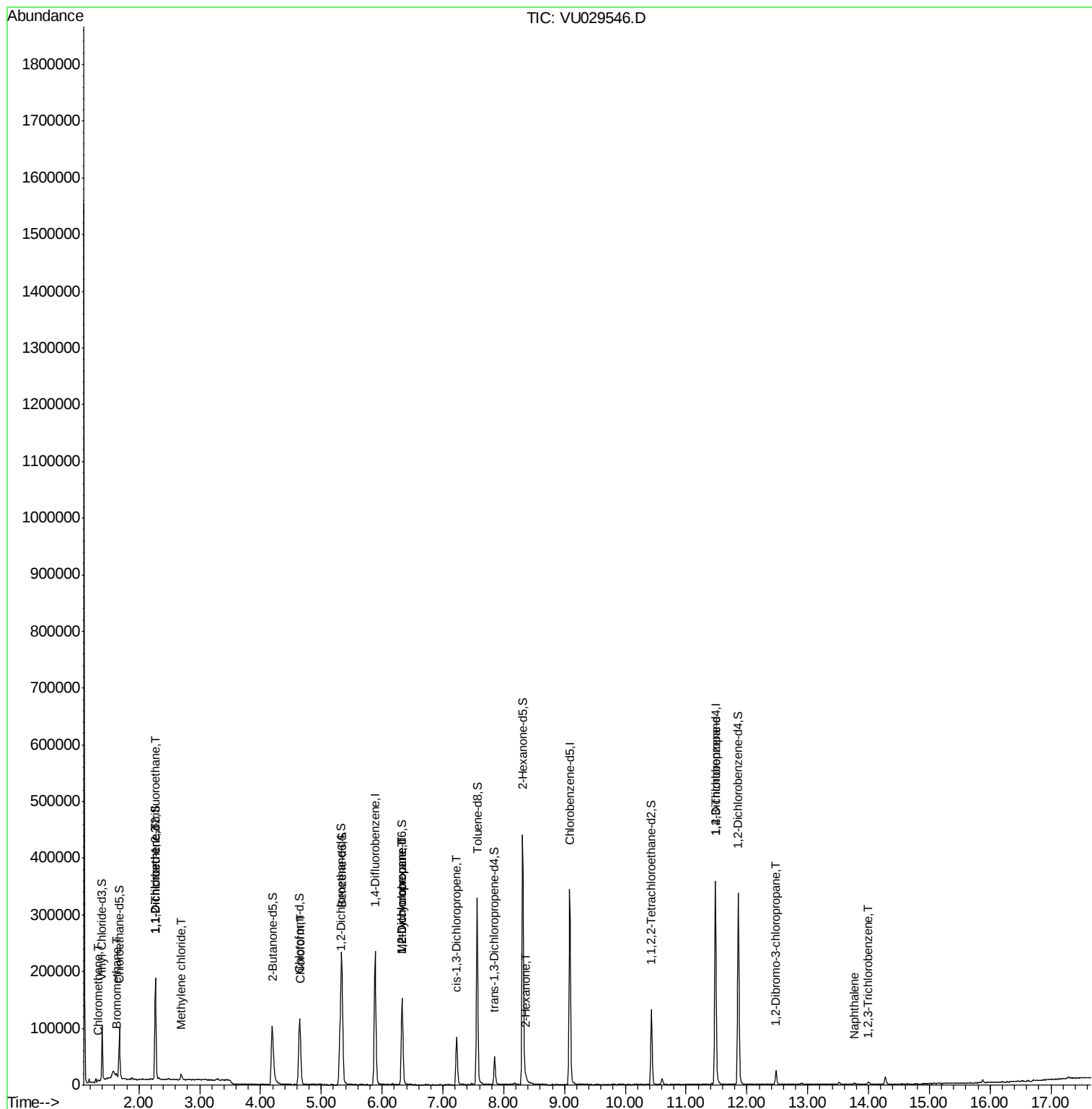
					Qvalue
3) Chloromethane	1.32	50	1451	0.083 ug/L	88
6) Bromomethane	1.63	94	2320	0.194 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1026	0.056 ug/L #	16
12) 1,1-Dichloroethene	2.27	96	1139	0.065 ug/L #	1
16) Methylene chloride	2.69	84	4367	0.222 ug/L	88
25) Chloroform	4.66	83	2104	0.075 ug/L	88
35) Methylcyclohexane	6.33	83	18308	0.645 ug/L #	22
37) 1,2-Dichloropropane	6.33	63	7875	0.524 ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	2088	0.088 ug/L #	69
48) 2-Hexanone	8.36	43	4929	0.780 ug/L #	63
59) 1,2,3-Trichloropropane	11.48	75	11052	1.146 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	723	0.323 ug/L #	6
69) Naphthalene	13.76	128	3034	0.066 ug/L #	94
70) 1,2,3-Trichlorobenzene	14.00	180	2294	0.091 ug/L #	87

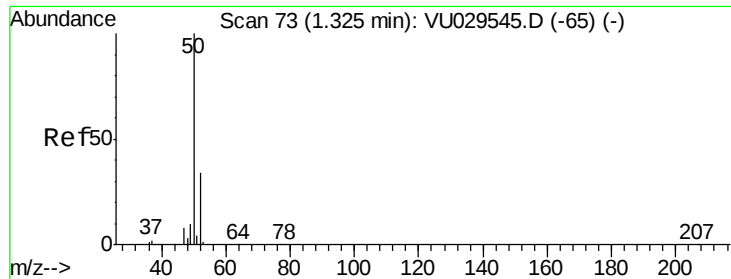
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.083 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU029546.D

Acq: 19 Feb 2019 11:35

Instrument :

MSVOA_U

ClientSampleId :

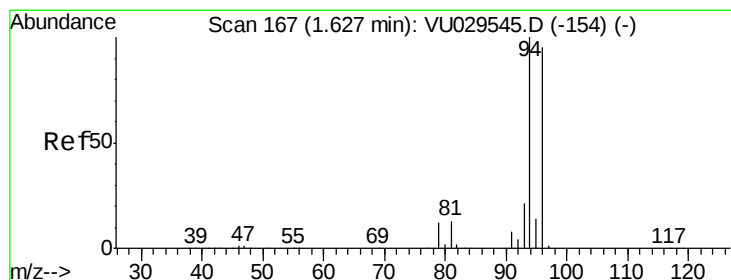
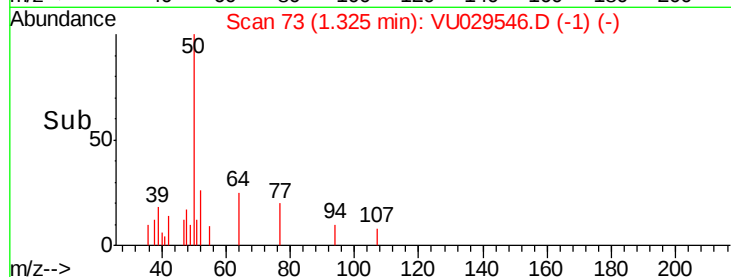
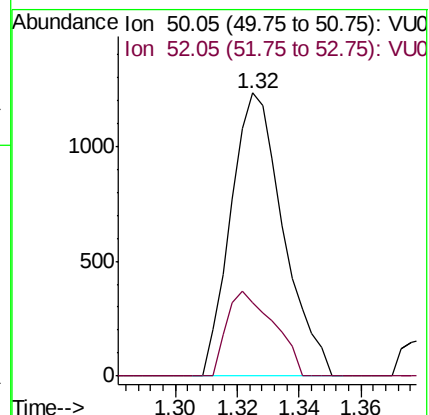
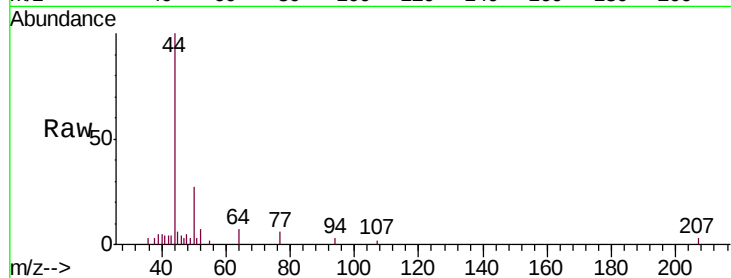
VBLK56

Tgt Ion: 50 Resp: 1451

Ion Ratio Lower Upper

50 100

52 26.2 23.1 42.9



#6

Bromomethane

Concen: 0.194 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029546.D

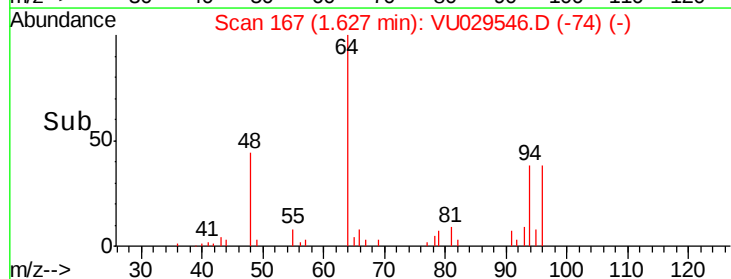
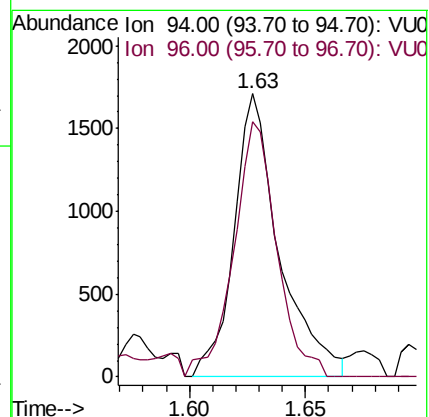
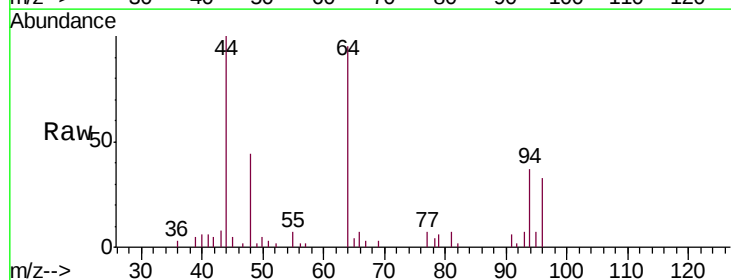
Acq: 19 Feb 2019 11:35

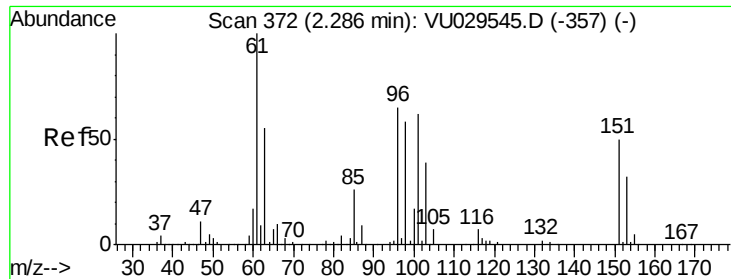
Tgt Ion: 94 Resp: 2320

Ion Ratio Lower Upper

94 100

96 90.3 65.2 121.0





#10

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

Concen: 0.056 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029546.D

Acq: 19 Feb 2019 11:35

Instrument :

MSVOA_U

ClientSampleId :

VBLK56

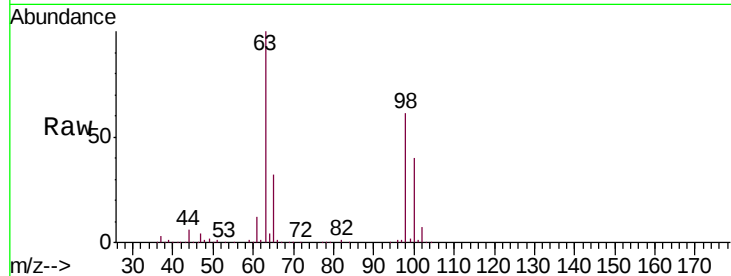
Tgt Ion: 101 Resp: 1026

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

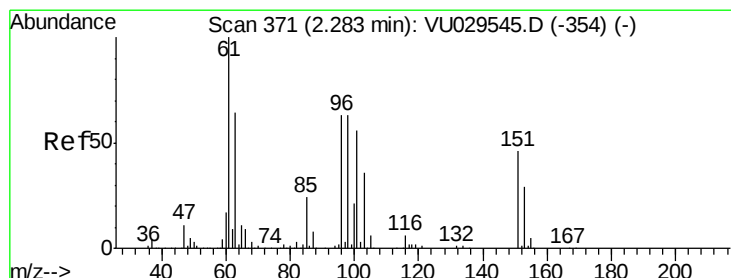
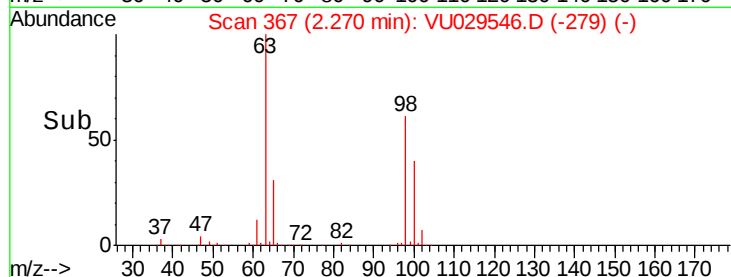
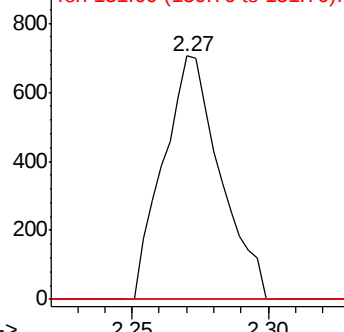
151 0.0 67.0 100.6#



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



#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029546.D

Acq: 19 Feb 2019 11:35

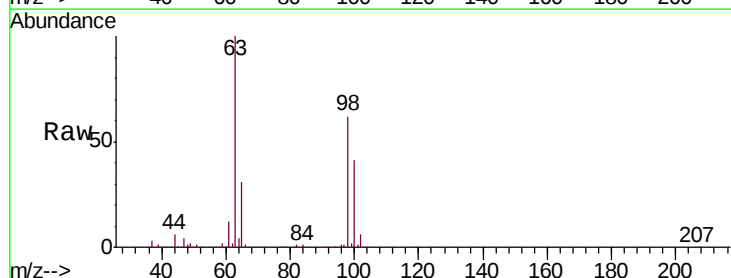
Tgt Ion: 96 Resp: 1139

Ion Ratio Lower Upper

96 100

61 1178.8 115.1 213.7#

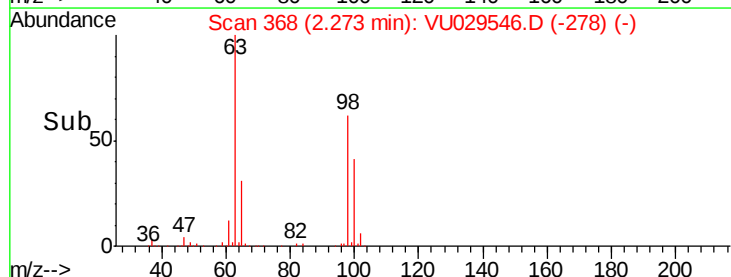
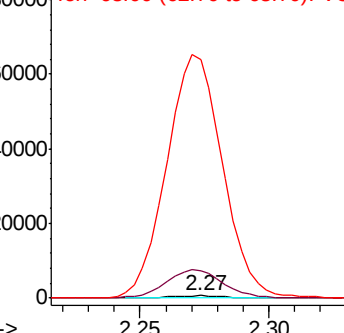
63 10109.7 83.5 155.1#

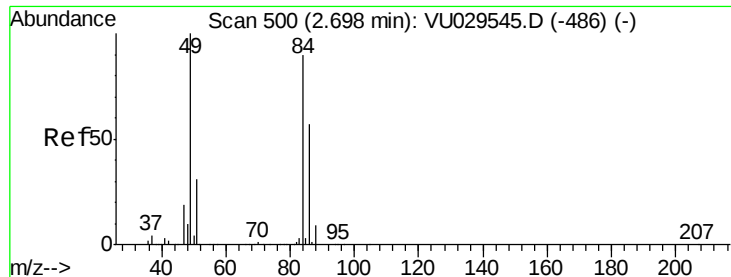


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

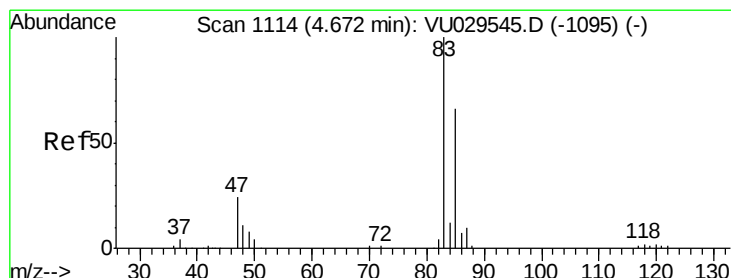
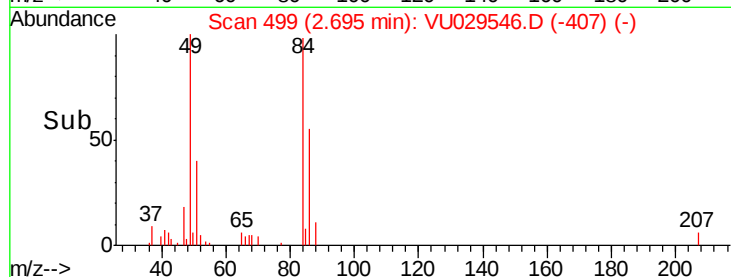
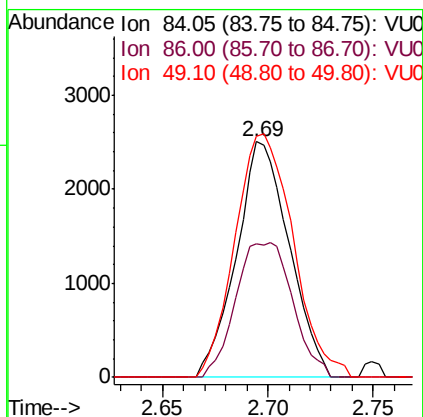
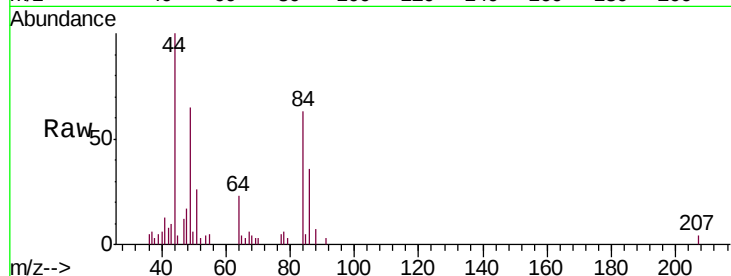




#16
Methylene chloride
Concen: 0.222 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029546.D
Acq: 19 Feb 2019 11:35

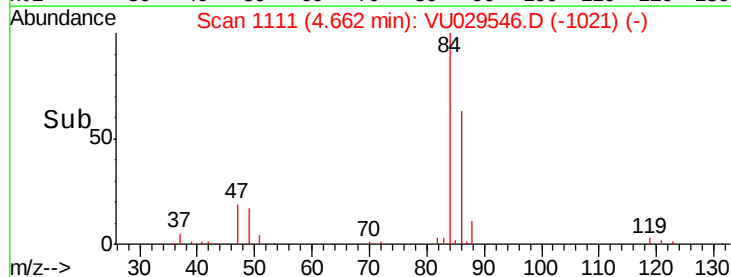
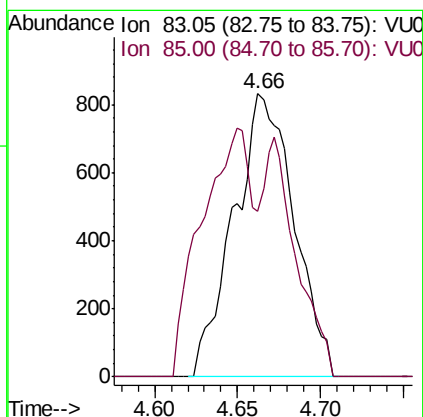
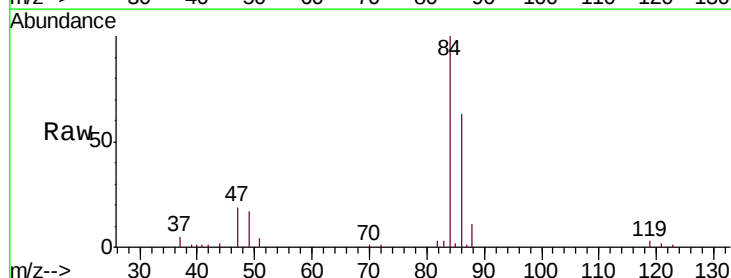
Instrument :
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ClientSampleId :
VBLK56

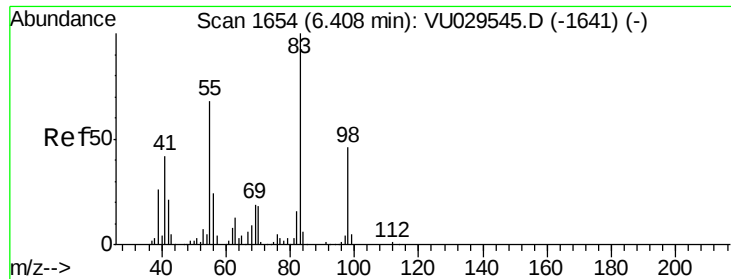
Tgt Ion: 84 Resp: 4367
Ion Ratio Lower Upper
84 100
86 56.8 45.1 83.9
49 102.5 81.8 151.8



#25
Chloroform
Concen: 0.075 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VU029546.D
Acq: 19 Feb 2019 11:35

Tgt Ion: 83 Resp: 2104
Ion Ratio Lower Upper
83 100
85 58.3 47.8 88.8





#35

Methylcyclohexane

Concen: 0.645 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029546.D

Acq: 19 Feb 2019 11:35

Instrument :

MSVOA_U

ClientSampleId :

VBLK56

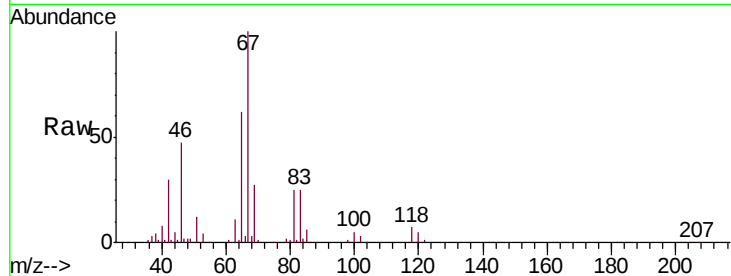
Tgt Ion: 83 Resp: 18308

Ion Ratio Lower Upper

83 100

55 0.5 55.9 83.9#

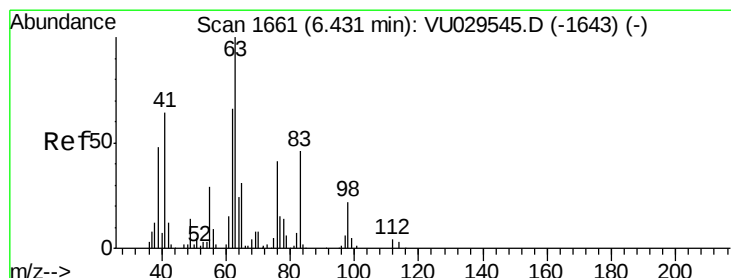
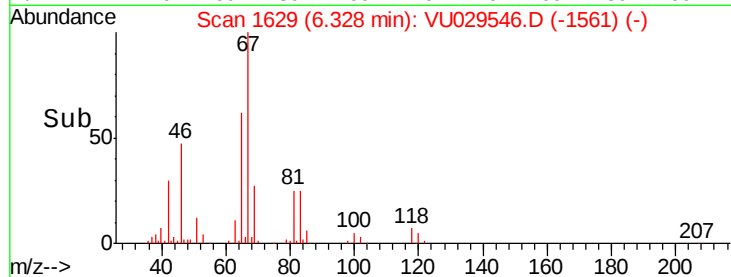
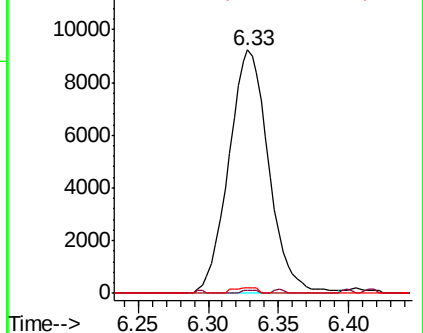
98 1.4 38.6 57.8#



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: 0.524 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.10 min

Lab File: VU029546.D

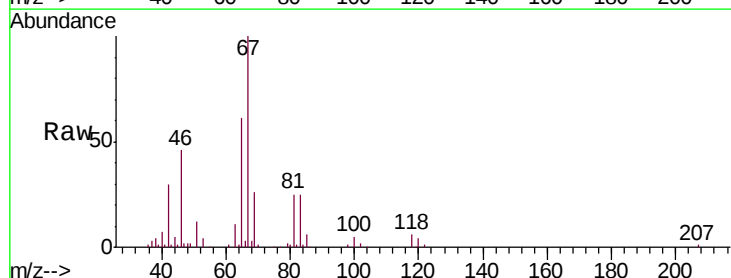
Acq: 19 Feb 2019 11:35

Tgt Ion: 63 Resp: 7875

Ion Ratio Lower Upper

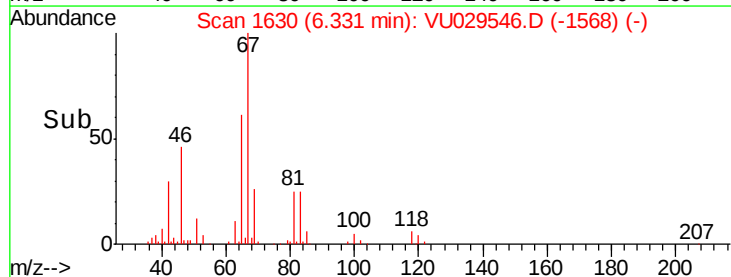
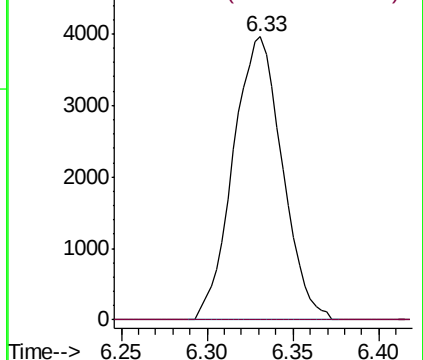
63 100

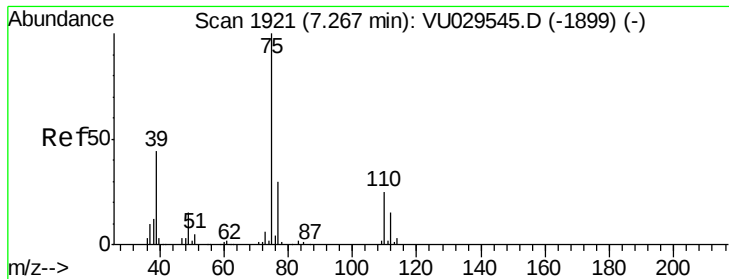
112 0.0 3.5 5.3#



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: 0.088 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU029546.D

Acq: 19 Feb 2019 11:35

Instrument :

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ClientSampleId :

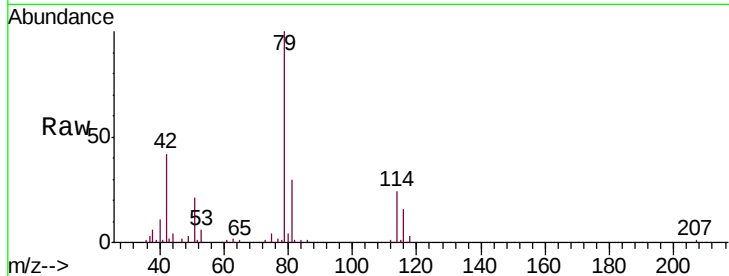
VBLK56

Tgt Ion: 75 Resp: 2088

Ion Ratio Lower Upper

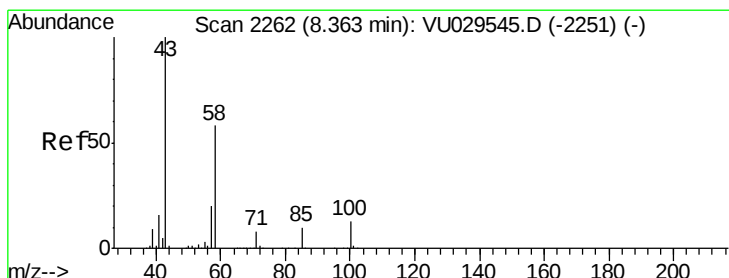
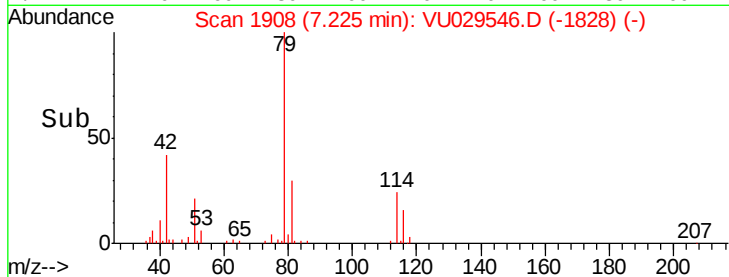
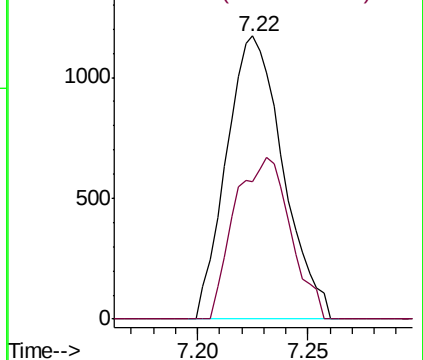
75 100

77 48.8 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 0.780 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU029546.D

Acq: 19 Feb 2019 11:35

Tgt Ion: 43 Resp: 4929

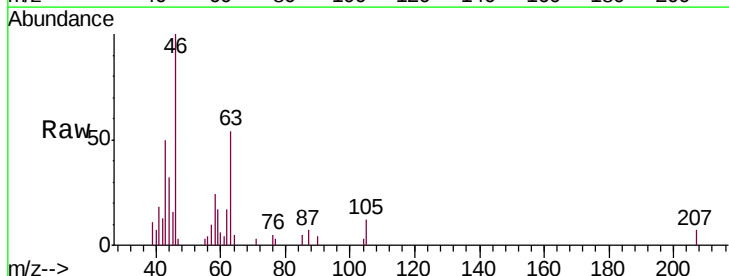
Ion Ratio Lower Upper

43 100

58 25.9 45.7 68.5#

57 5.4 16.4 24.6#

100 5.6 11.1 16.7#

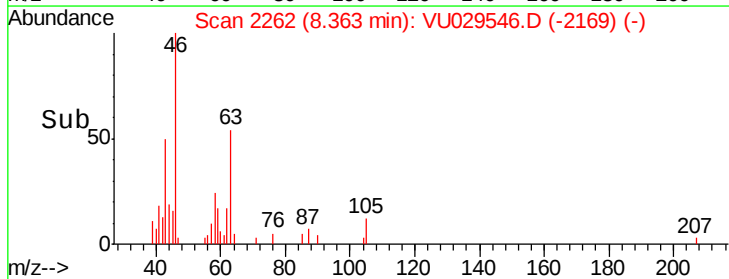
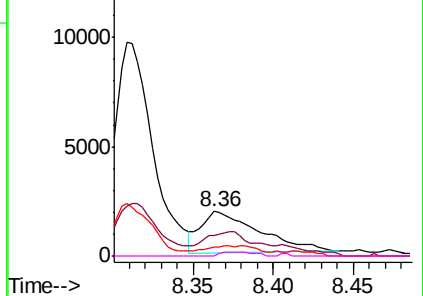


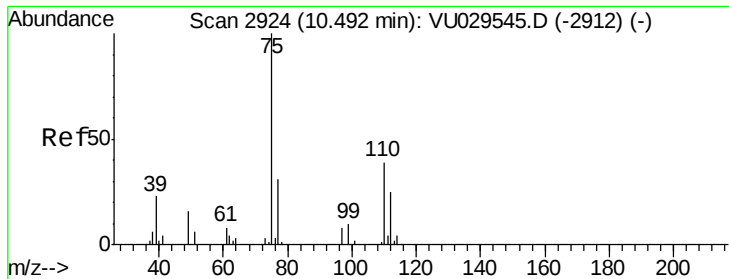
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

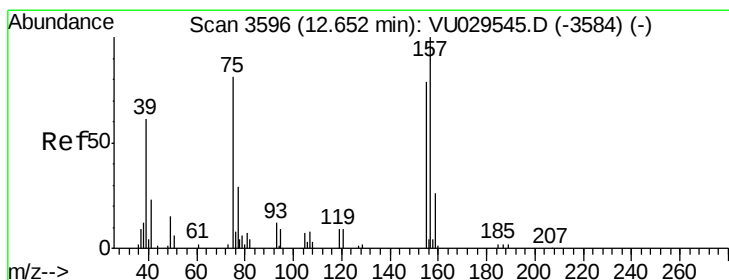
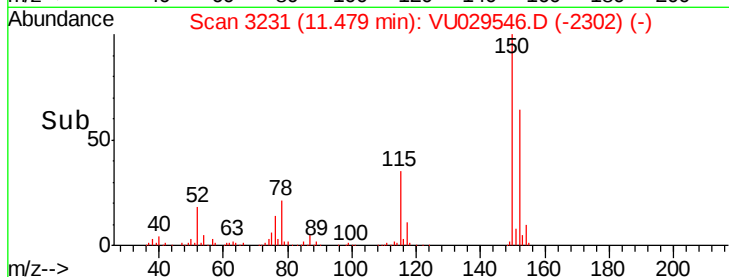
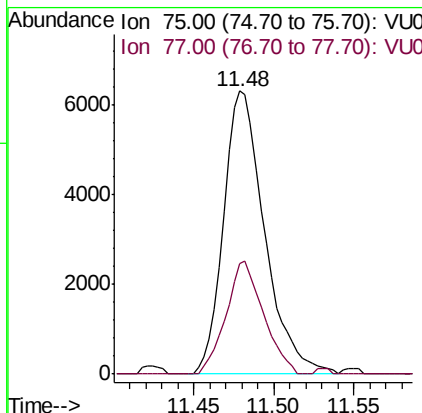
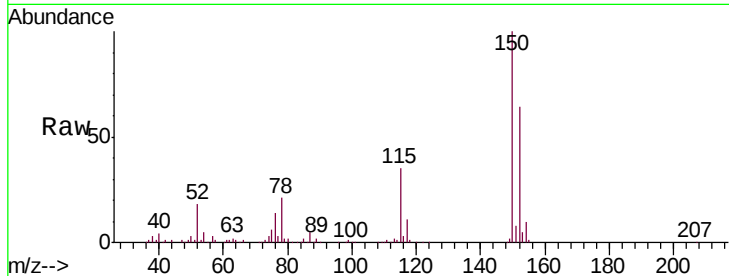




#59
 1,2,3-Trichloropropane
 Concen: 1.146 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029546.D
 Acq: 19 Feb 2019 11:35

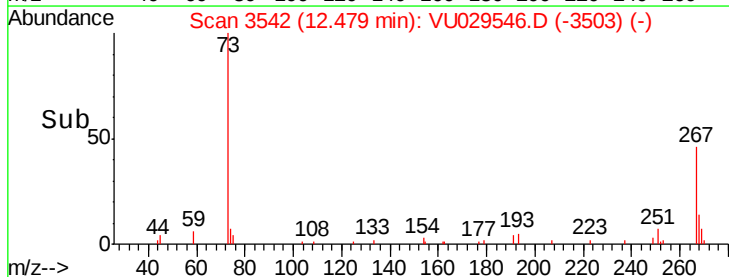
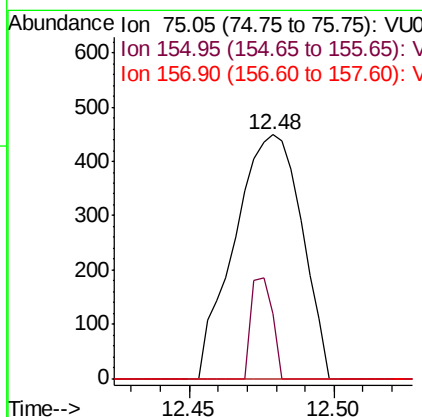
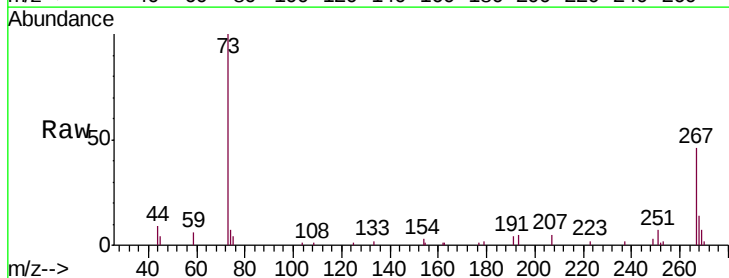
Instrument :
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 VBLK56

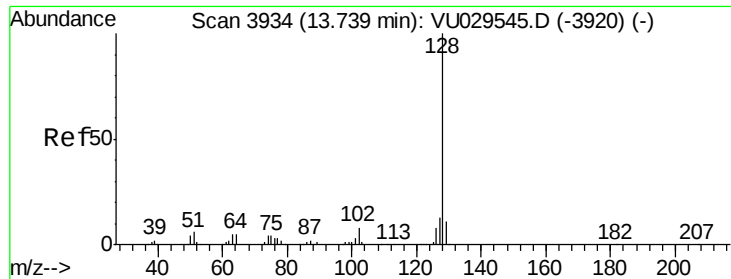
Tgt Ion: 75 Resp: 11052
 Ion Ratio Lower Upper
 75 100
 77 36.4 28.2 42.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.323 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.17 min
 Lab File: VU029546.D
 Acq: 19 Feb 2019 11:35

Tgt Ion: 75 Resp: 723
 Ion Ratio Lower Upper
 75 100
 155 26.7 75.3 112.9#
 157 0.0 103.0 154.4#





#69

Naphthalene

Concen: 0.066 ug/L

RT: 13.76 min Scan# 3941

Delta R.T. 0.02 min

Lab File: VU029546.D

Acq: 19 Feb 2019 11:35

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ClientSampleId :

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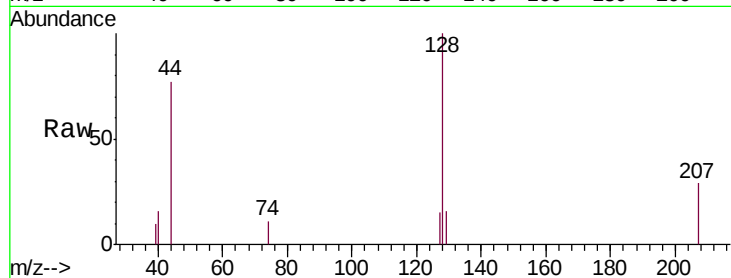
Tgt Ion:128 Resp: 3034

Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

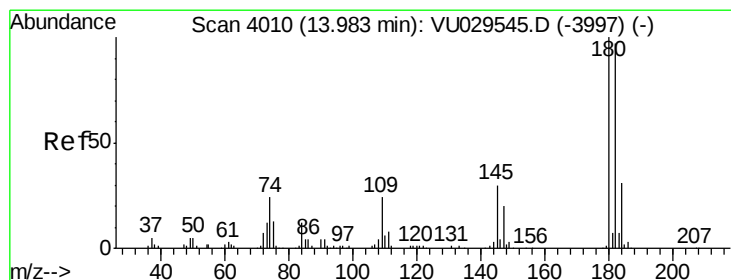
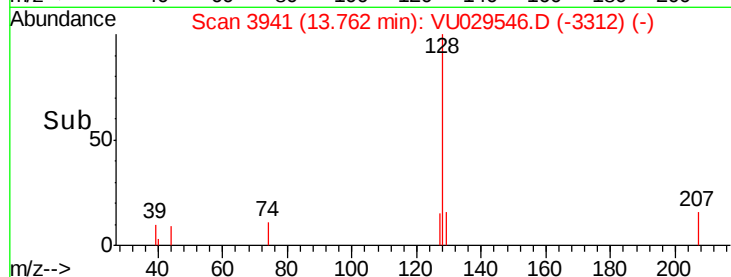
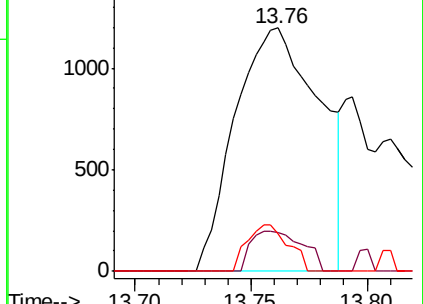
127 9.4 10.3 15.5#



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



#70

1,2,3-Trichlorobenzene

Concen: 0.091 ug/L

RT: 14.00 min Scan# 4014

Delta R.T. 0.01 min

Lab File: VU029546.D

Acq: 19 Feb 2019 11:35

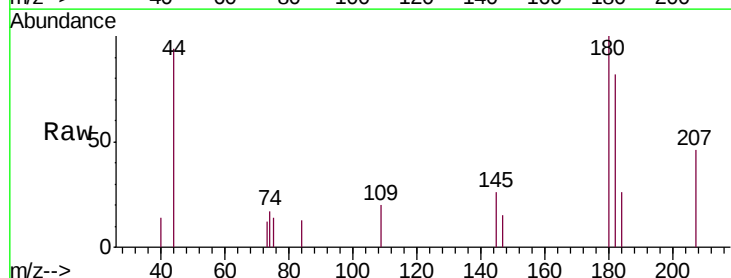
Tgt Ion:180 Resp: 2294

Ion Ratio Lower Upper

180 100

182 85.7 75.9 113.9

145 17.3 23.8 35.6#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

