

Data File : VU033093.D
Acq On : 29 Jun 2019 00:21
Operator : JC/SP
Sample : K3597-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM74

Quant Time: Jun 29 01:04:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 29 00:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	83931	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	89252	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	42229	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37201	6.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	133.20%#
7) Chloroethane-d5	1.68	69	29664	6.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	130.00%
11) 1,1-Dichloroethene-d2	2.27	63	56851	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.19	46	93464	55.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.22%
24) Chloroform-d	4.64	84	63655	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.31	65	35932	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.33	84	120795	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
36) 1,2-Dichloropropane-d6	6.32	67	38875	5.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.20%
41) Toluene-d8	7.56	98	106508	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.85	79	14922	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.31	63	64599	51.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31626	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	43355	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

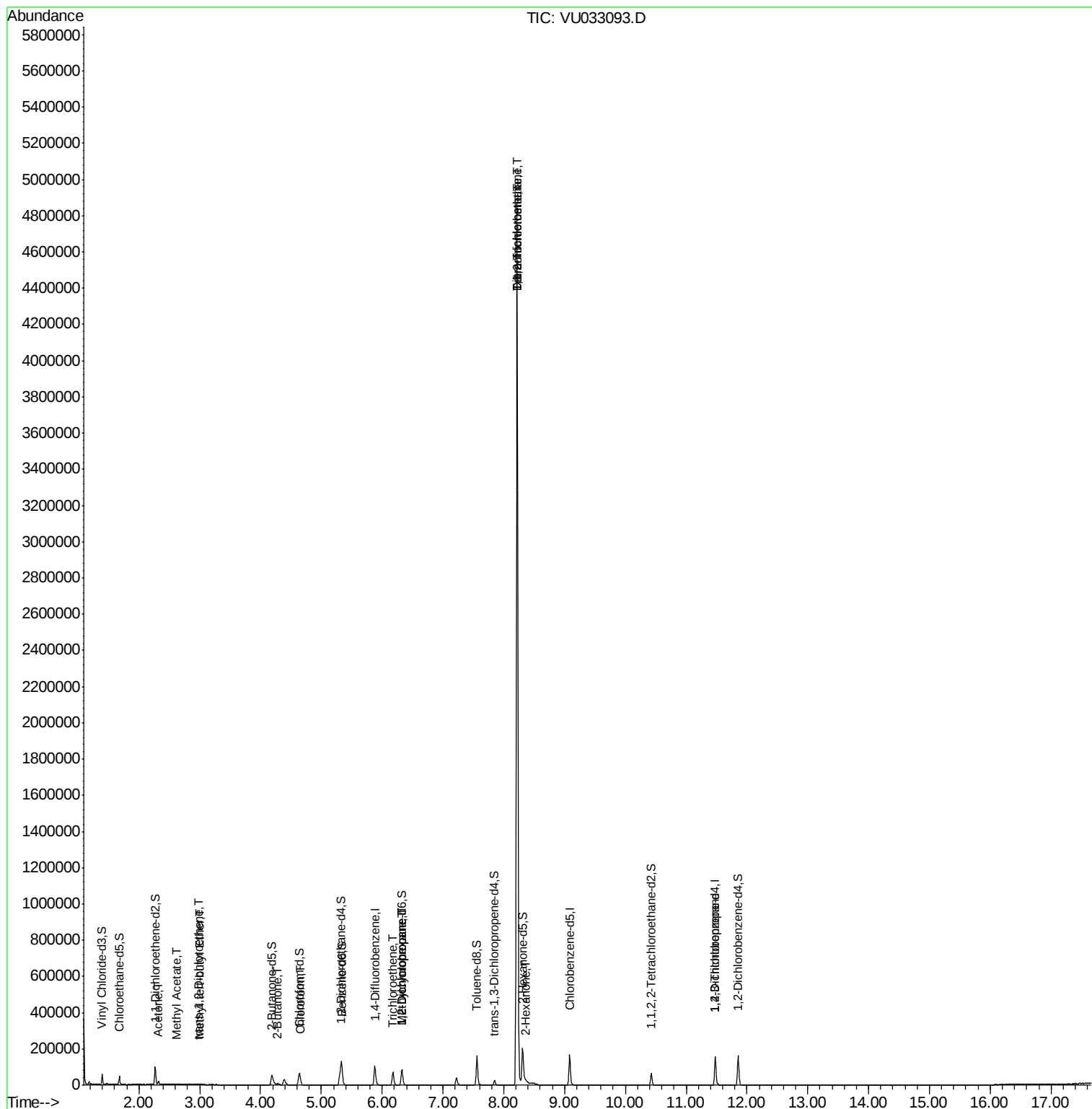
					Qvalue
13) Acetone	2.32	43	18382	12.861 ug/L	96
15) Methyl Acetate	2.61	43	454	0.137 ug/L #	56
17) Methyl tert-butyl Ether	3.00	73	3300	0.211 ug/L #	84
18) trans-1,2-Dichloroethene	2.97	96	968	0.158 ug/L	82
21) 2-Butanone	4.28	43	10912	5.424 ug/L	100
25) Chloroform	4.67	83	2665	0.218 ug/L	83
34) Trichloroethene	6.18	95	23497	3.261 ug/L	98
35) Methylcyclohexane	6.32	83	9025	0.841 ug/L #	16
37) 1,2-Dichloropropane	6.32	63	4891	0.693 ug/L #	87
45) 1,1,2-Trichloroethane	8.22	97	8846	1.788 ug/L #	5
47) Tetrachloroethene	8.22	164	998714	172.289 ug/L	98
48) 2-Hexanone	8.37	43	7152	2.055 ug/L #	90
49) Dibromochloromethane	8.22	129	948566	151.092 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	5240	1.110 ug/L #	87

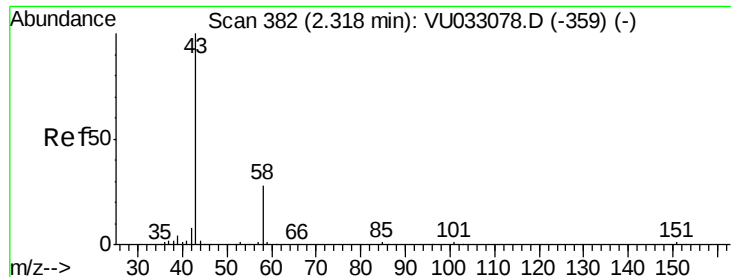
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 12.861 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

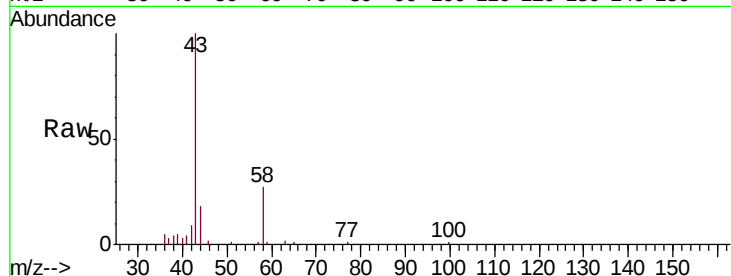
GAM74

Tgt Ion: 43 Resp: 18382

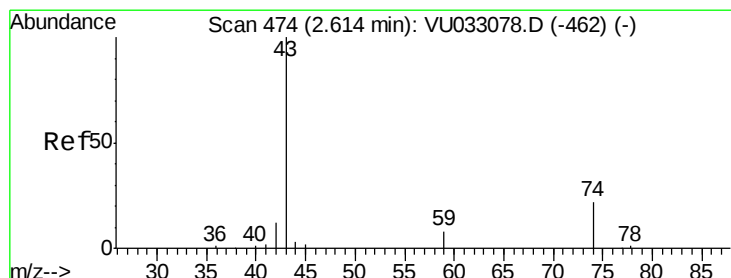
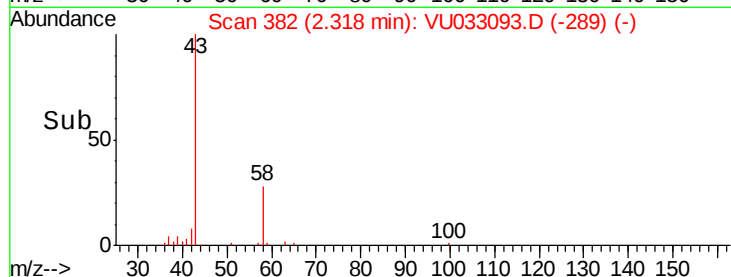
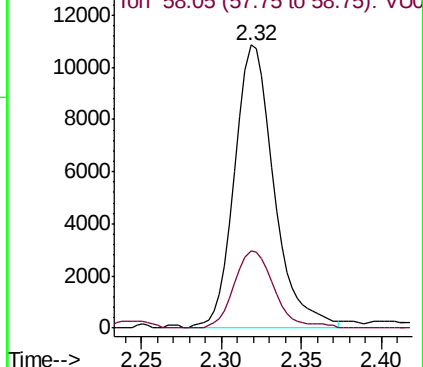
Ion Ratio Lower Upper

43 100

58 27.7 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VU033093.D (-289) (-)



#15

Methyl Acetate

Concen: 0.137 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU033093.D

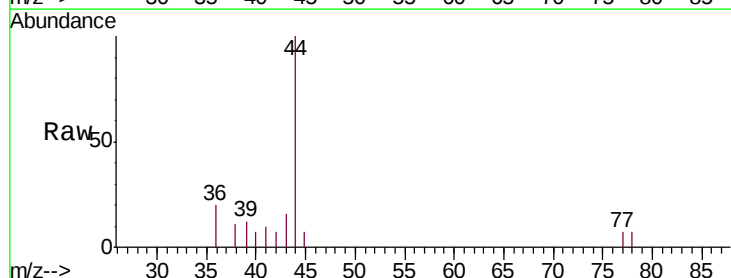
Acq: 29 Jun 2019 00:21

Tgt Ion: 43 Resp: 454

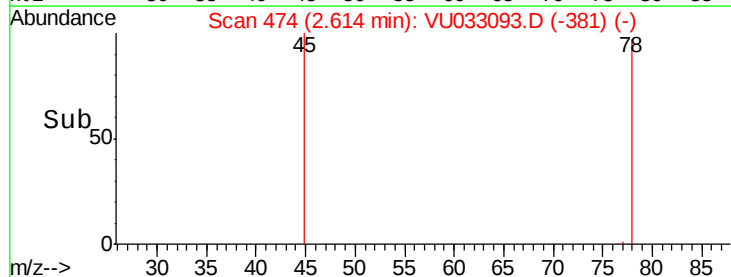
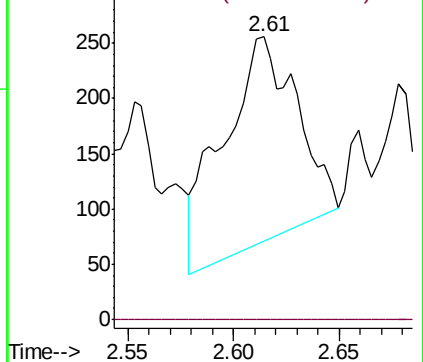
Ion Ratio Lower Upper

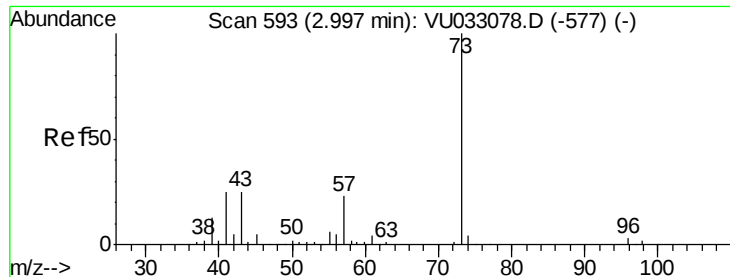
43 100

74 0.0 16.1 24.1#



Abundance Ion 43.05 (42.75 to 43.75): VU033093.D (-381) (-)

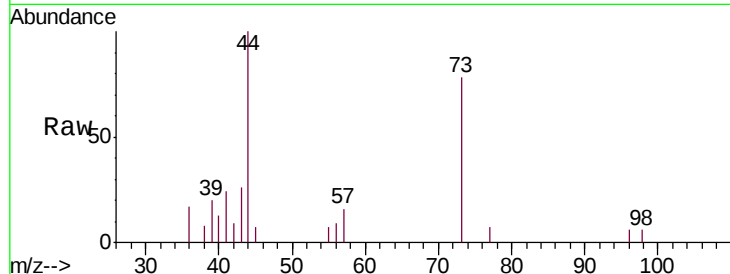




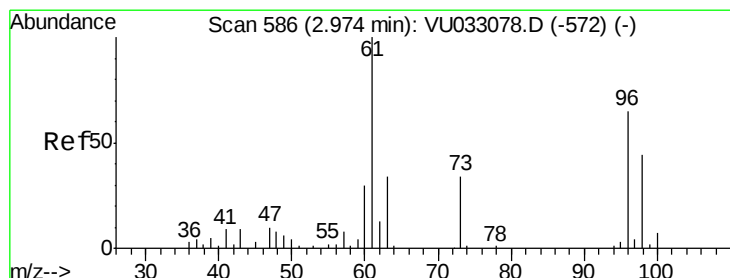
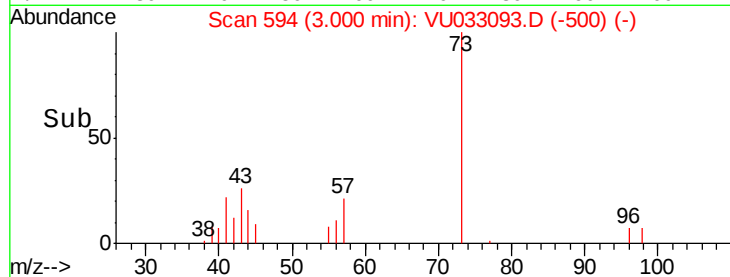
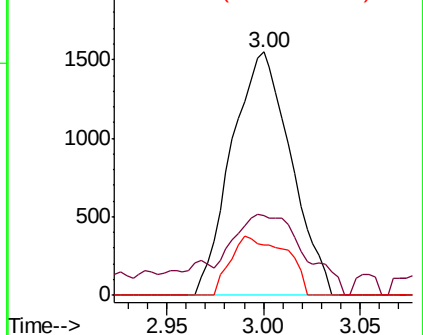
#17
Methyl tert-butyl Ether
Concen: 0.211 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU033093.D
Acq: 29 Jun 2019 00:21

Instrument :
MSVOA_U
ClientSampled :
GAM74

Tgt Ion: 73 Resp: 3300
Ion Ratio Lower Upper
73 100
43 40.2 20.2 30.2#
57 22.5 18.5 27.7

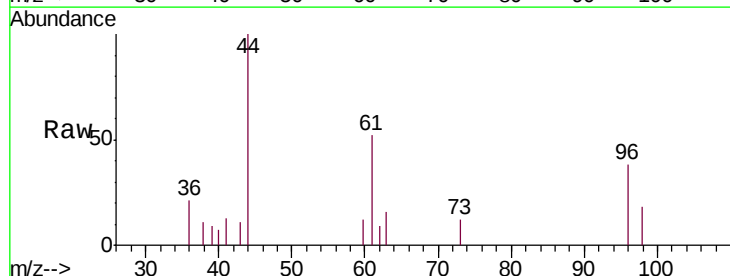


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

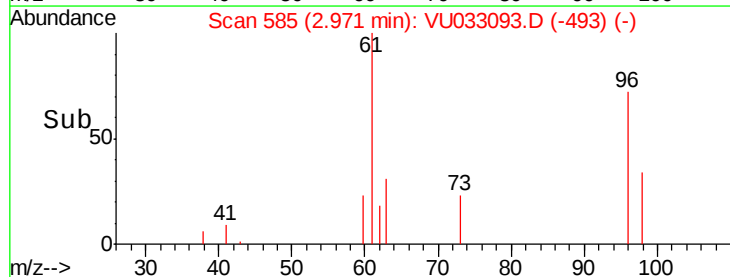
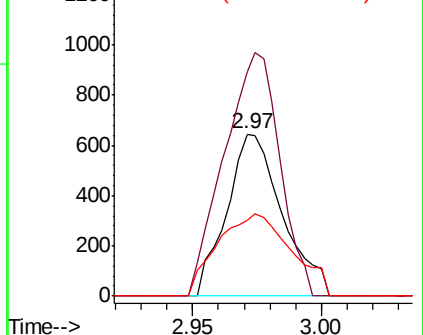


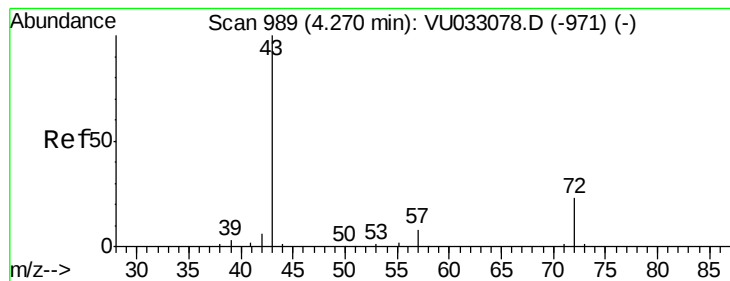
#18
trans-1,2-Dichloroethene
Concen: 0.158 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU033093.D
Acq: 29 Jun 2019 00:21

Tgt Ion: 96 Resp: 968
Ion Ratio Lower Upper
96 100
61 138.3 112.2 208.4
98 47.0 45.4 84.4



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





#21

2-Butanone

Concen: 5.424 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

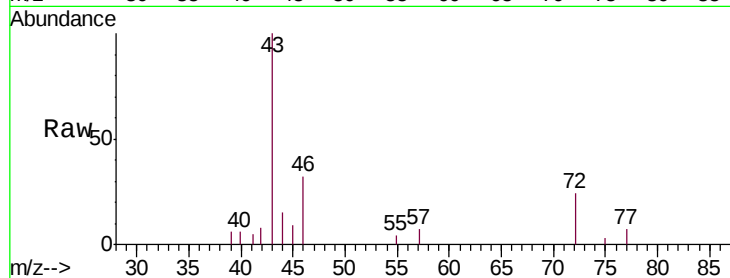
GAM74

Tgt Ion: 43 Resp: 10912

Ion Ratio Lower Upper

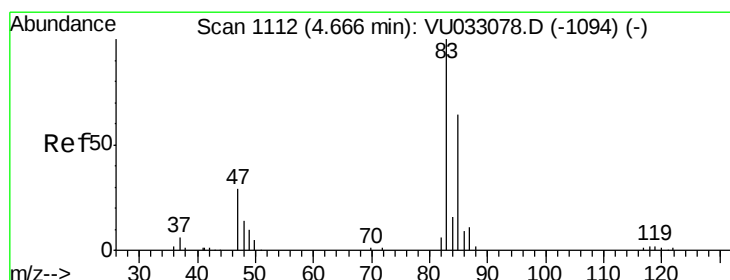
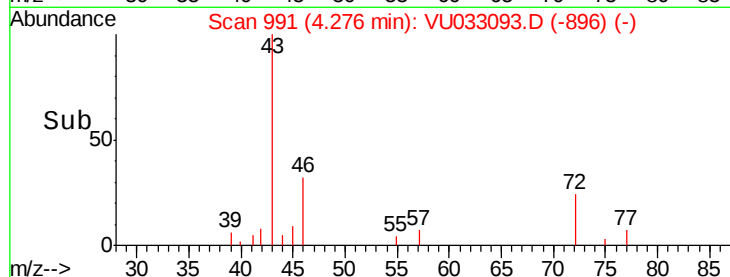
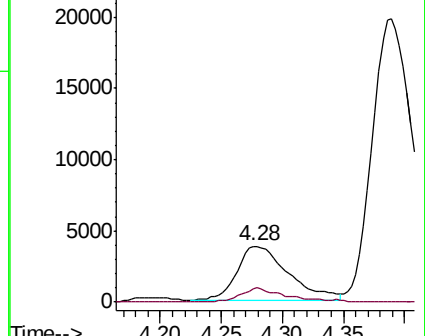
43 100

72 22.8 11.5 34.5



Abundance Ion 43.05 (42.75 to 43.75): VU033078.D (-971) (-)

Ion 72.10 (71.80 to 72.80): VU033078.D (-971) (-)



#25

Chloroform

Concen: 0.218 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU033093.D

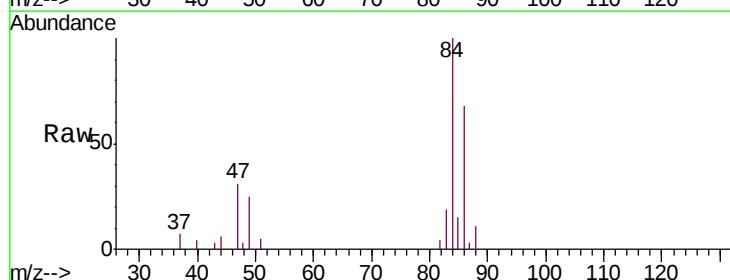
Acq: 29 Jun 2019 00:21

Tgt Ion: 83 Resp: 2665

Ion Ratio Lower Upper

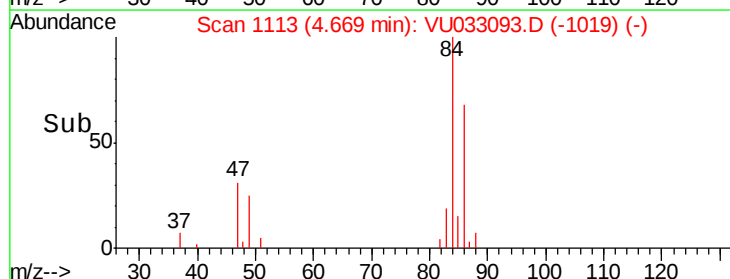
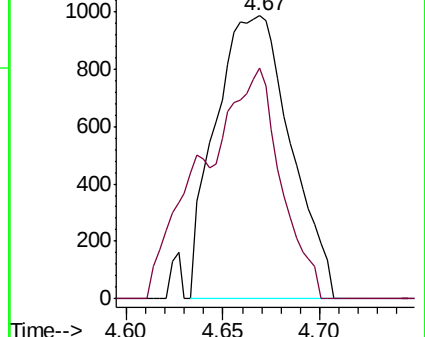
83 100

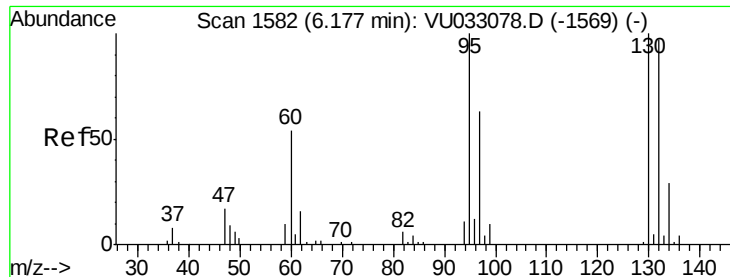
85 81.4 47.3 87.8



Abundance Ion 83.05 (82.75 to 83.75): VU033078.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU033078.D (-1094) (-)





#34

Trichloroethene

Concen: 3.261 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

GAM74

Tgt Ion: 95 Resp: 23497

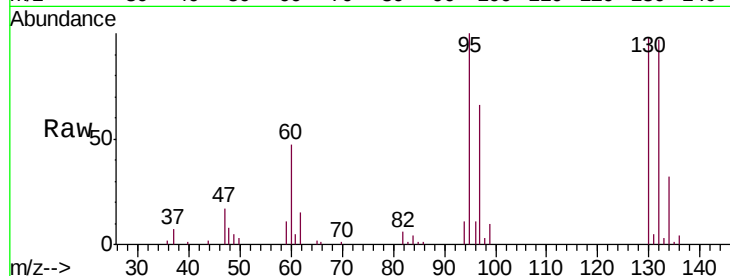
Ion Ratio Lower Upper

95 100

97 65.5 46.0 85.4

132 97.2 68.6 127.4

130 97.6 71.1 132.1

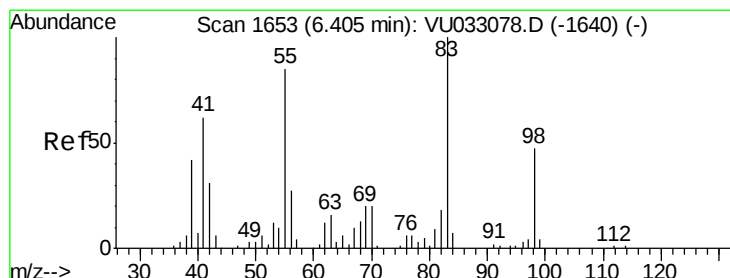
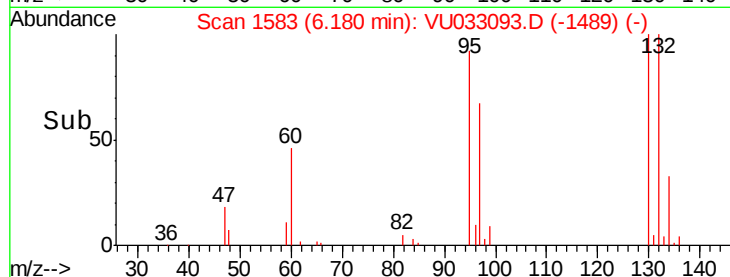
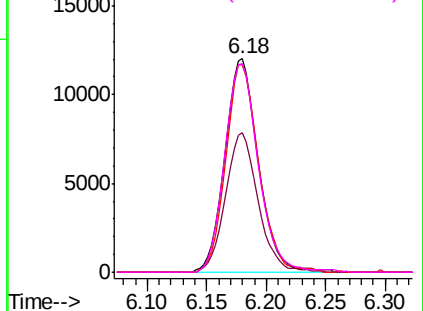


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.841 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.08 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

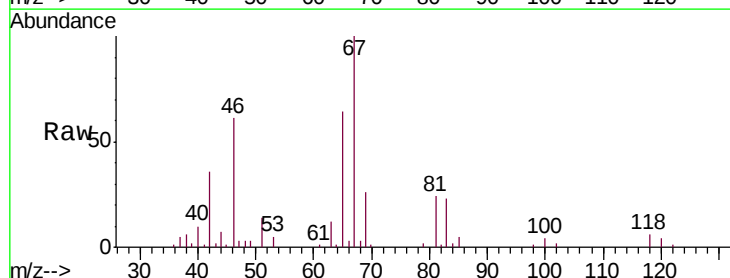
Tgt Ion: 83 Resp: 9025

Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.4#

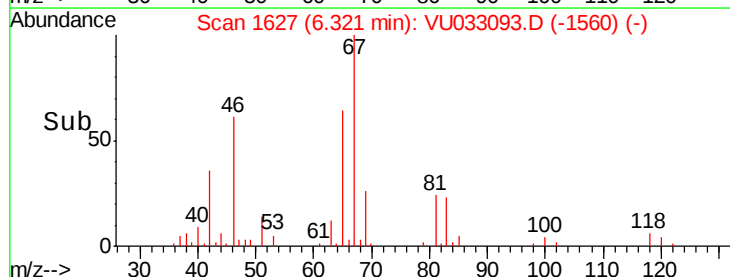
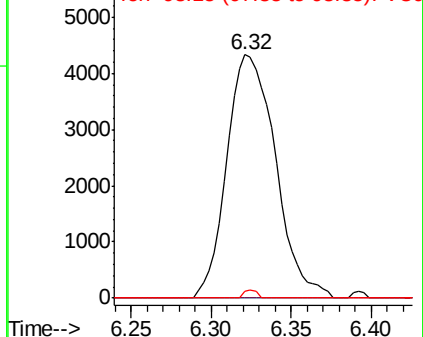
98 0.8 37.7 56.5#

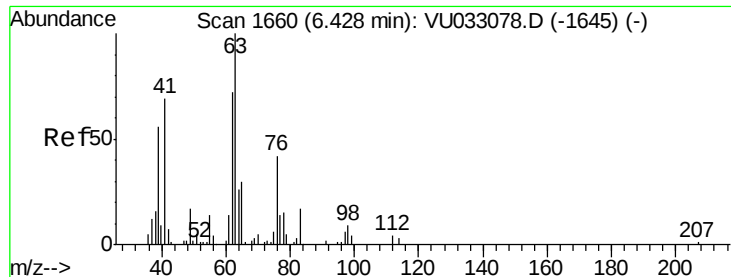


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.693 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.11 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

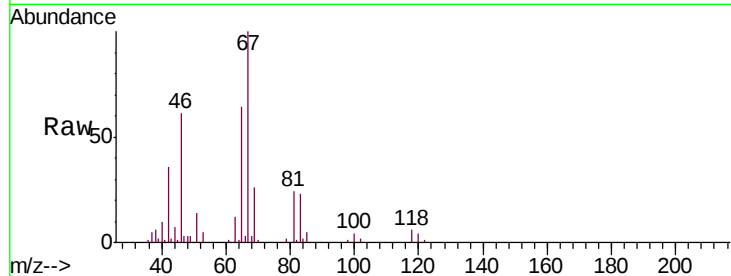
GAM74

Tgt Ion: 63 Resp: 4891

Ion Ratio Lower Upper

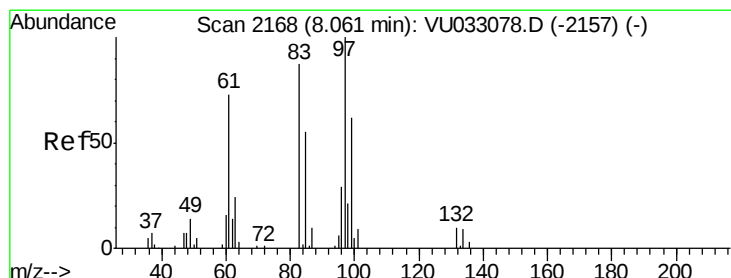
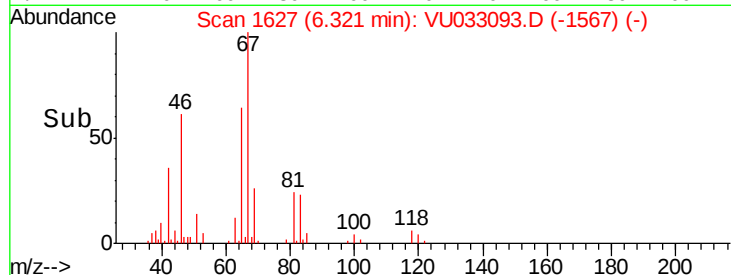
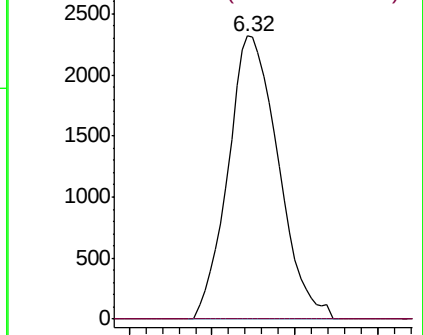
63 100

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



#45

1,1,2-Trichloroethane

Concen: 1.788 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Tgt Ion: 97 Resp: 8846

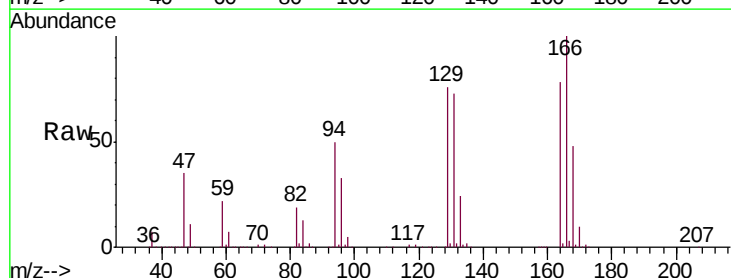
Ion Ratio Lower Upper

97 100

99 15.3 44.7 83.1#

83 246.4 62.6 116.2#

85 42.5 40.5 75.1

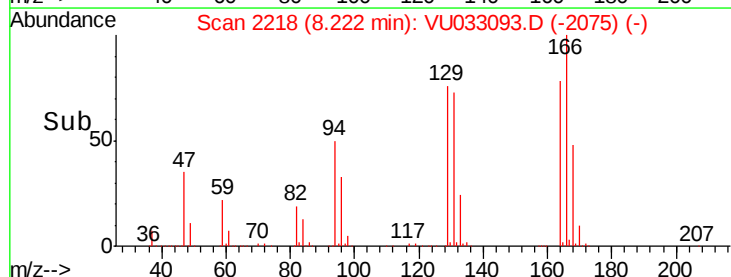
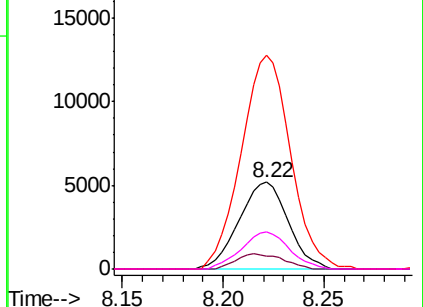


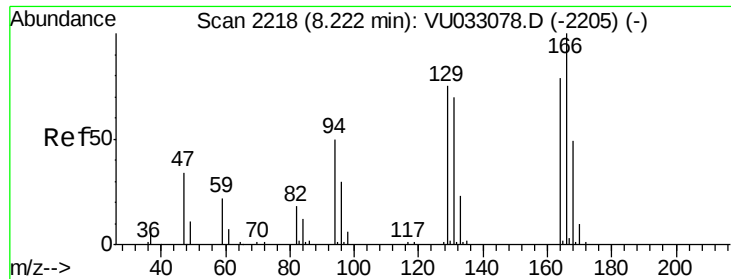
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0





#47

Tetrachloroethene

Concen: 172.289 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

GAM74

Tgt Ion:164 Resp: 998714

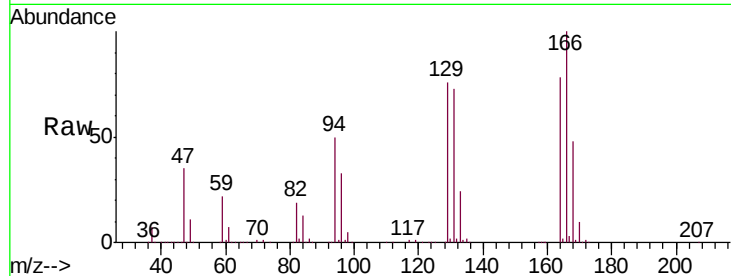
Ion Ratio Lower Upper

164 100

129 96.5 64.9 120.5

131 93.4 63.5 117.9

166 127.5 89.1 165.5

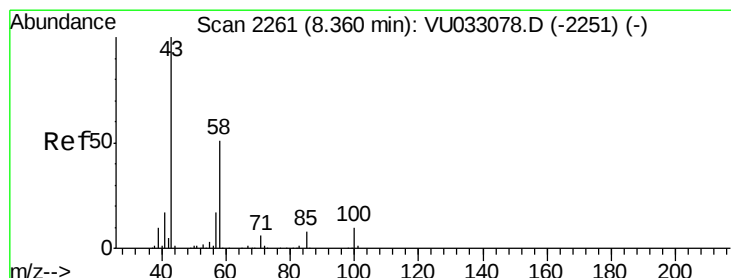
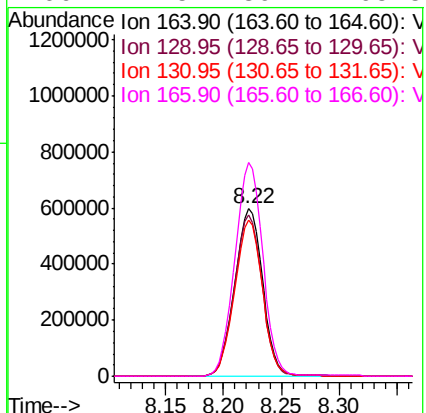
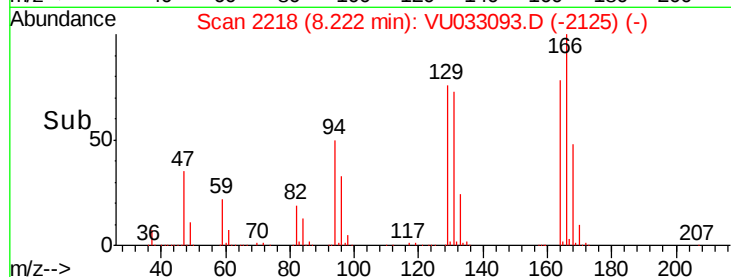


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.055 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Tgt Ion: 43 Resp: 7152

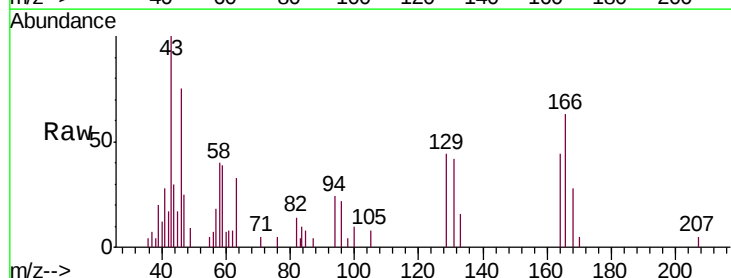
Ion Ratio Lower Upper

43 100

58 44.3 40.0 60.0

57 11.0 14.0 21.0#

100 5.7 7.9 11.9#

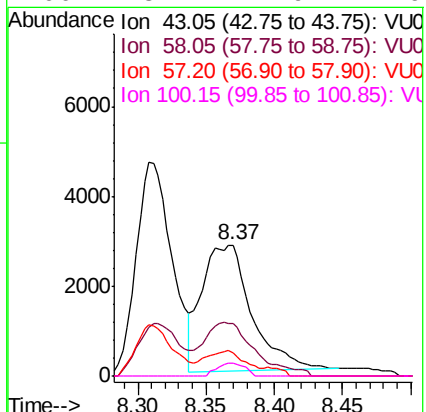
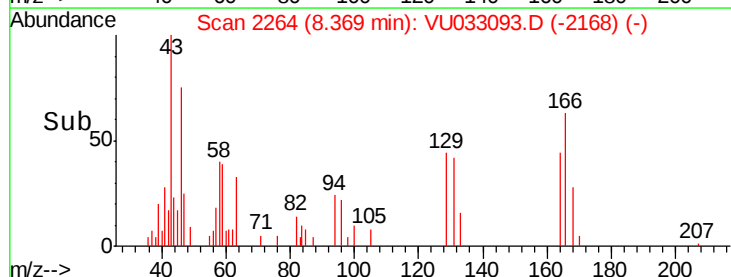


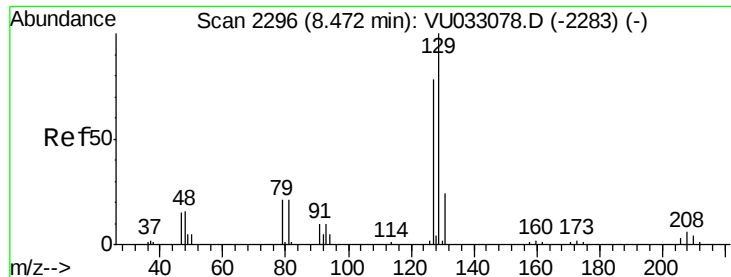
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 151.092 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU033093.D

Acq: 29 Jun 2019 00:21

Instrument :

MSVOA_U

ClientSampleId :

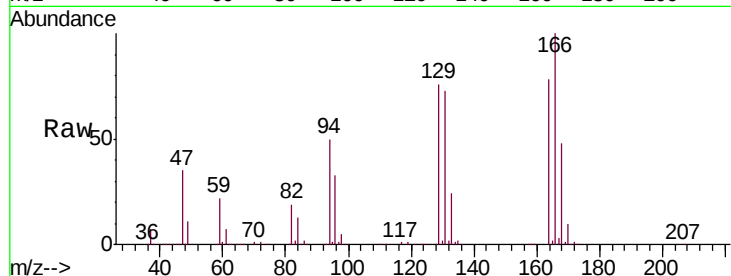
GAM74

Tgt Ion:129 Resp: 948566

Ion Ratio Lower Upper

129 100

127 0.0 54.0 100.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

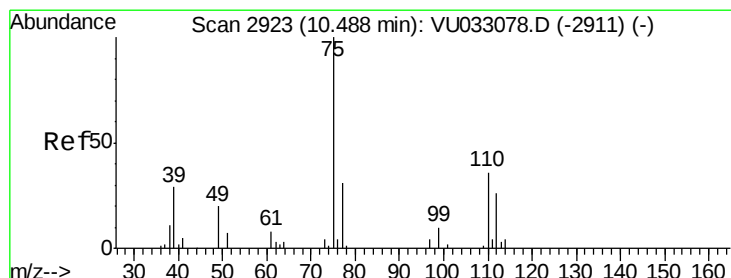
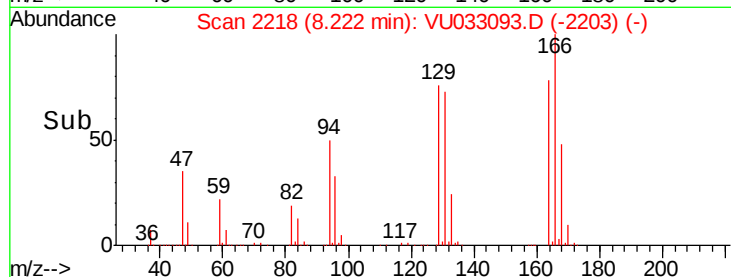
600000

400000

200000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.110 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033093.D

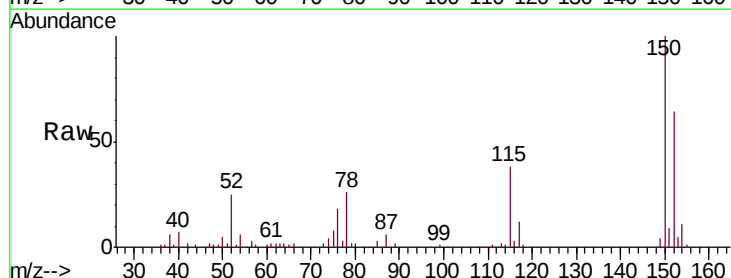
Acq: 29 Jun 2019 00:21

Tgt Ion: 75 Resp: 5240

Ion Ratio Lower Upper

75 100

77 38.9 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

3000

2000

1000

0

Time-->

