

Data File : VU032079.D
Acq On : 17 May 2019 04:32
Operator : JC/SP
Sample : K2850-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W18

Quant Time: May 17 08:44:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 08:41:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	377482	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	394434	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	149834	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	146316	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.68	69	125854	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.27	63	203652	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.40%
20) 2-Butanone-d5	4.20	46	272338	43.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.26%
24) Chloroform-d	4.64	84	254822	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.31	65	126093	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	5.33	84	527655	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.33	67	151808	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	7.56	98	439779	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	7.85	79	51378	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.31	63	233923	40.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	124811	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	155208	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

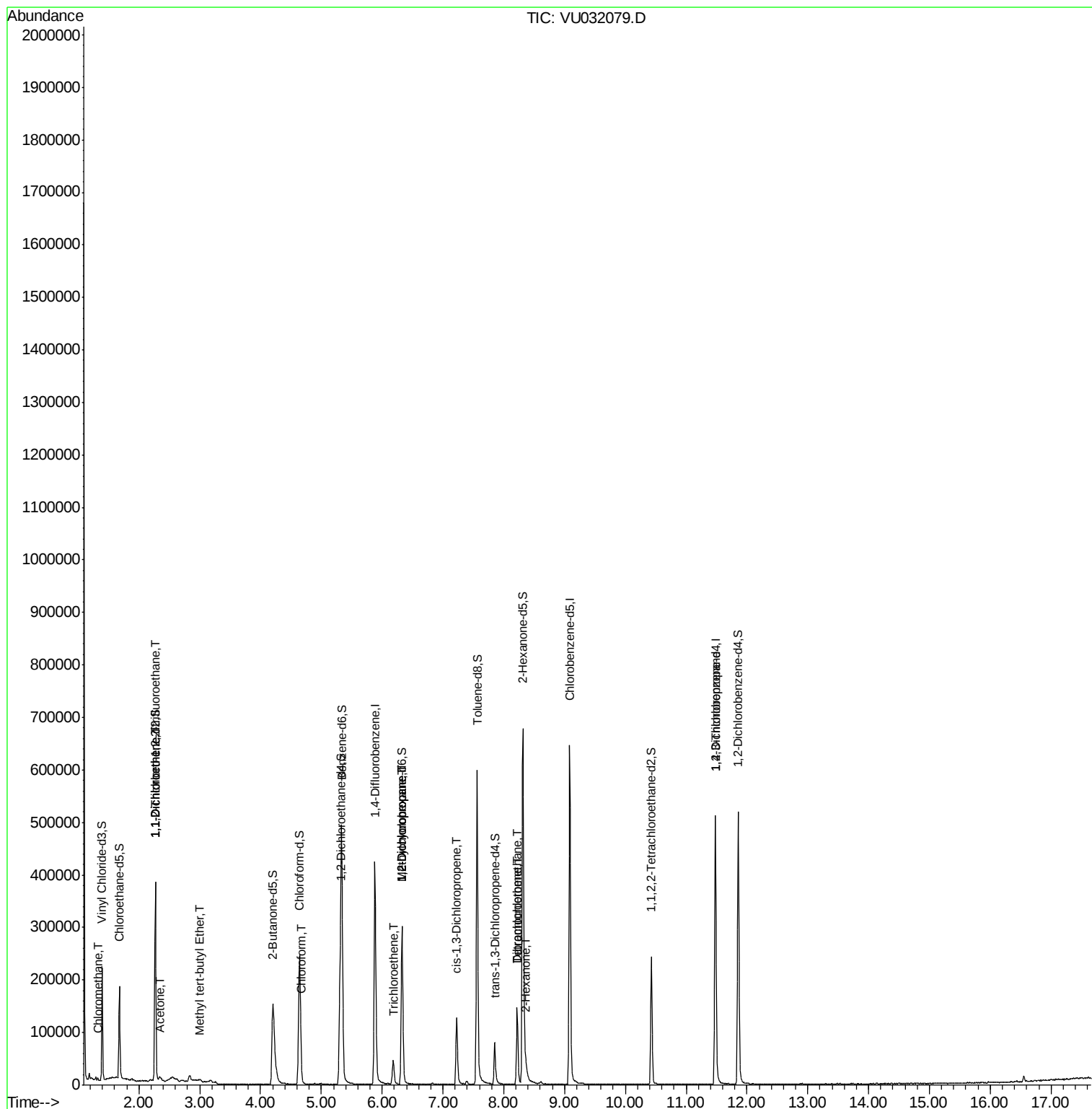
						Qvalue
3) Chloromethane	1.32	50	3160	0.174	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2474	0.160	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1857	0.123	ug/L #	1
13) Acetone	2.35	43	6192	3.021	ug/L	83
17) Methyl tert-butyl Ether	3.00	73	4360	0.122	ug/L #	81
25) Chloroform	4.67	83	6283	0.228	ug/L	89
34) Trichloroethene	6.18	95	16725	1.018	ug/L	92
35) Methylcyclohexane	6.33	83	36557	1.545	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	16248	1.097	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3145	0.154	ug/L #	67
47) Tetrachloroethene	8.22	164	38175	3.108	ug/L	87
48) 2-Hexanone	8.37	43	11615	2.181	ug/L #	92
49) Dibromochloromethane	8.22	129	32309	2.563	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	16461	1.750	ug/L #	88

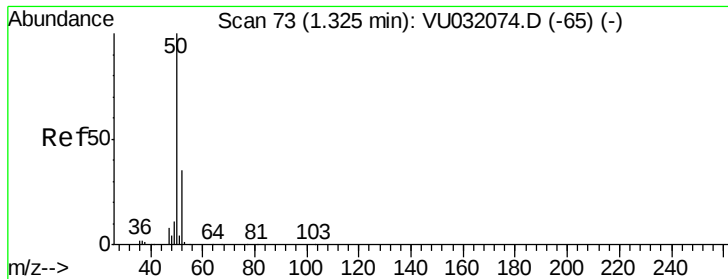
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.174 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032079.D

Acq: 17 May 2019 04:32

Instrument :

MSVOA_U

ClientSampleId :

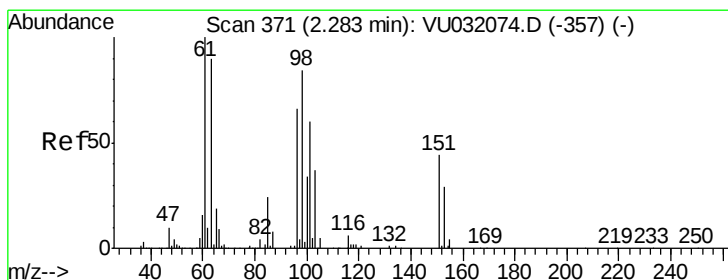
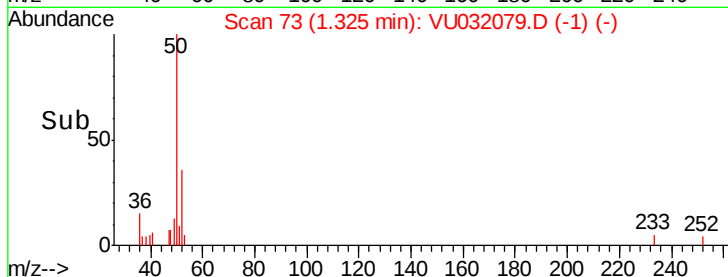
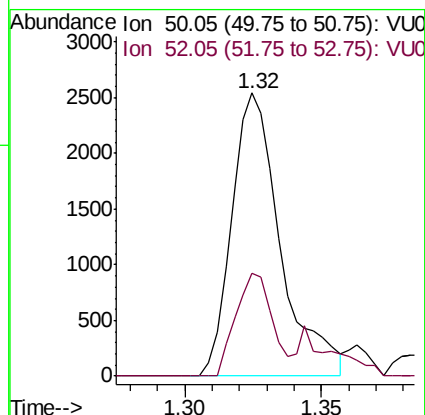
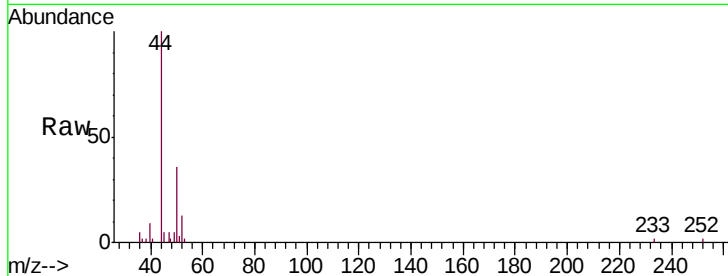
F9W18

Tgt Ion: 50 Resp: 3160

Ion Ratio Lower Upper

50 100

52 36.3 23.2 43.0



#10

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

Concen: 0.160 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032079.D

Acq: 17 May 2019 04:32

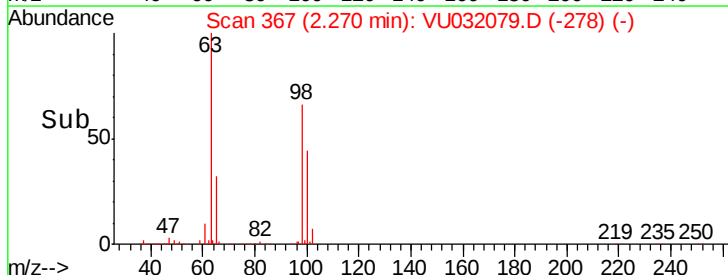
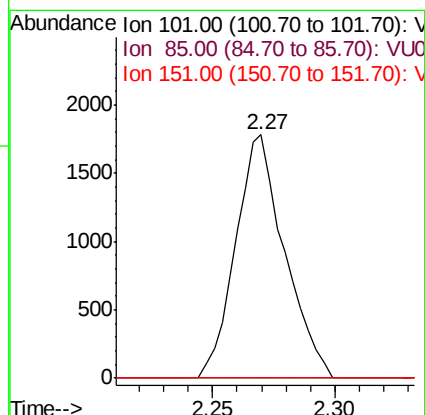
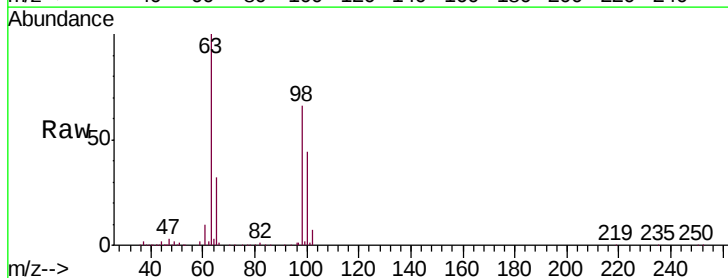
Tgt Ion: 101 Resp: 2474

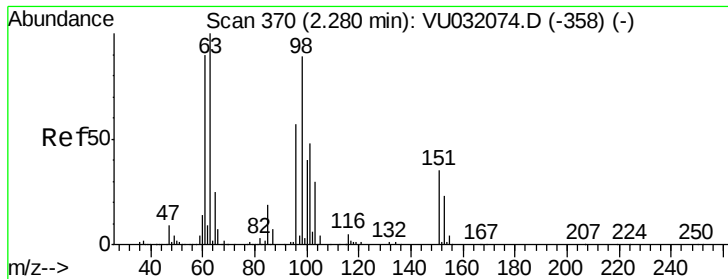
Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.8#

151 0.9 59.4 89.2#





#12

1,1-Dichloroethene

Concen: 0.123 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032079.D

Acq: 17 May 2019 04:32

Instrument :

MSVOA_U

ClientSampleId :

F9W18

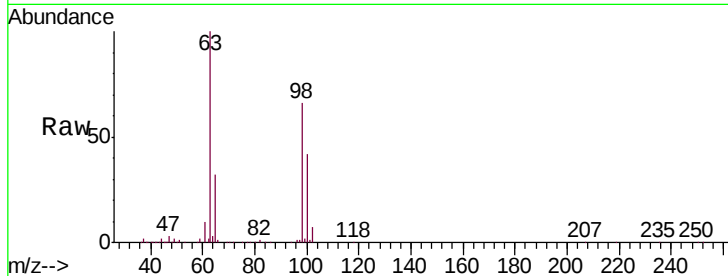
Tgt Ion: 96 Resp: 1857

Ion Ratio Lower Upper

96 100

61 1100.9 111.7 207.5#

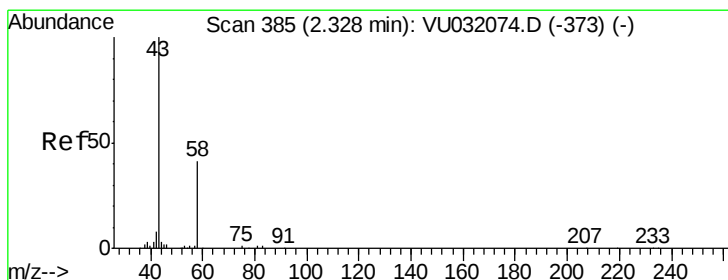
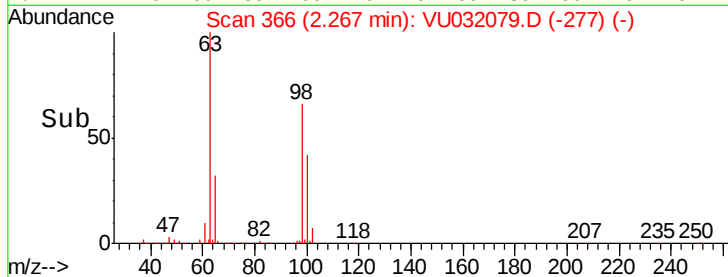
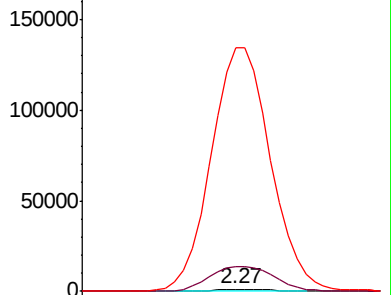
63 10790.0 152.2 282.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032079.D (-366) (-)

Ion 61.05 (60.75 to 61.75): VU032079.D (-366) (-)

Ion 63.00 (62.70 to 63.70): VU032079.D (-366) (-)



#13

Acetone

Concen: 3.021 ug/L

RT: 2.35 min Scan# 393

Delta R.T. 0.03 min

Lab File: VU032079.D

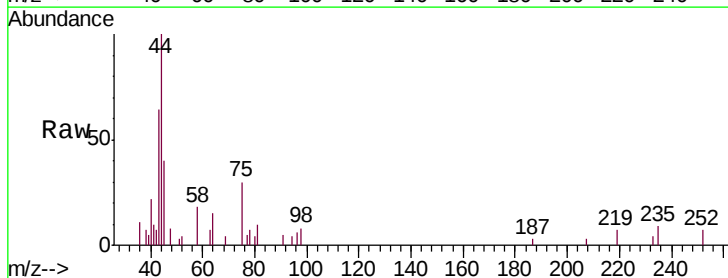
Acq: 17 May 2019 04:32

Tgt Ion: 43 Resp: 6192

Ion Ratio Lower Upper

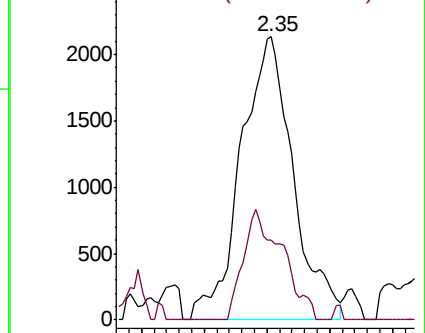
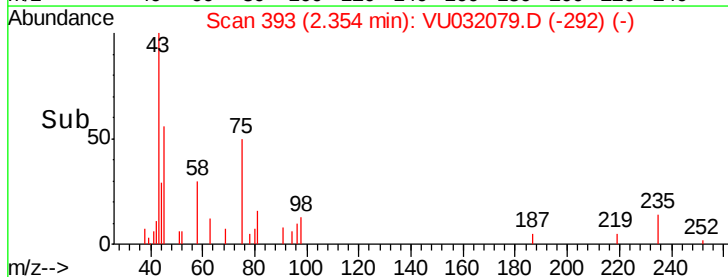
43 100

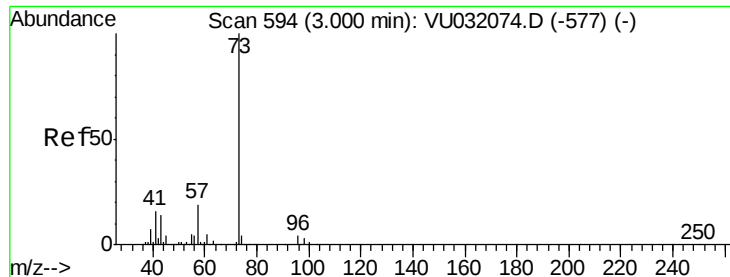
58 29.0 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032079.D (-393) (-)

Ion 58.05 (57.75 to 58.75): VU032079.D (-393) (-)





#17

Methyl tert-butyl Ether

Concen: 0.122 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU032079.D

Acq: 17 May 2019 04:32

Instrument :

MSVOA_U

ClientSampled :

F9W18

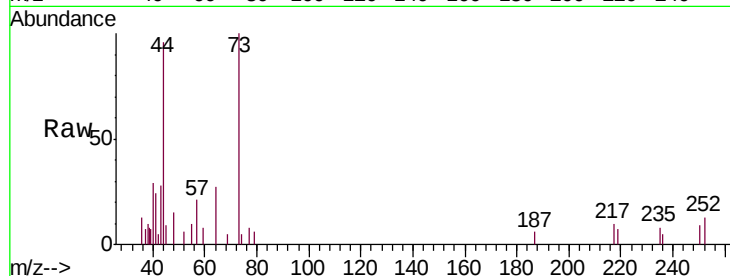
Tgt Ion: 73 Resp: 4360

Ion Ratio Lower Upper

73 100

43 28.1 13.0 19.6#

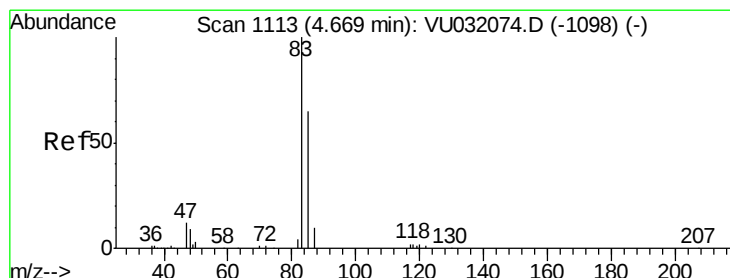
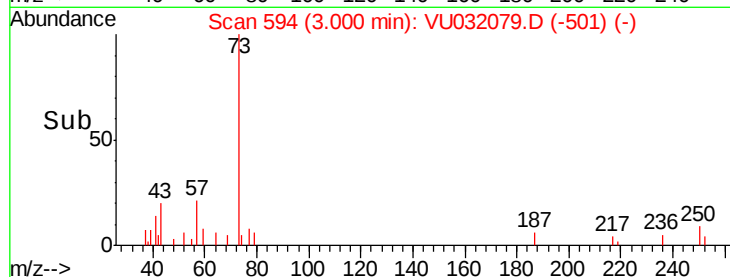
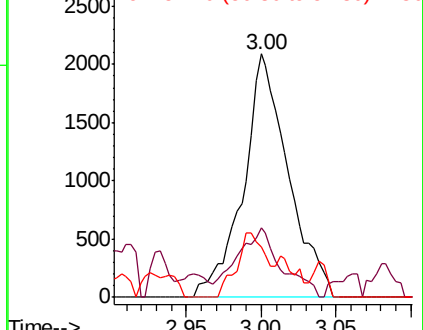
57 16.7 17.9 26.9#



Abundance Ion 73.10 (72.80 to 73.80): VU032074.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU032074.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU032074.D (-577) (-)



#25

Chloroform

Concen: 0.228 ug/L

RT: 4.67 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VU032079.D

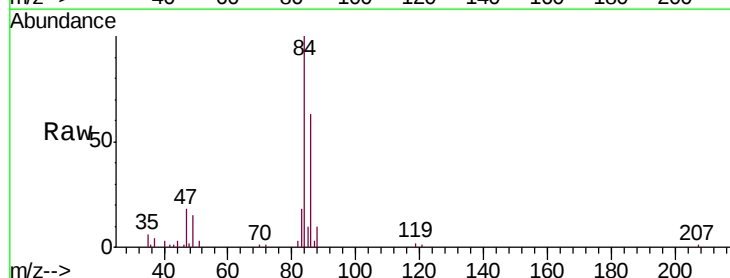
Acq: 17 May 2019 04:32

Tgt Ion: 83 Resp: 6283

Ion Ratio Lower Upper

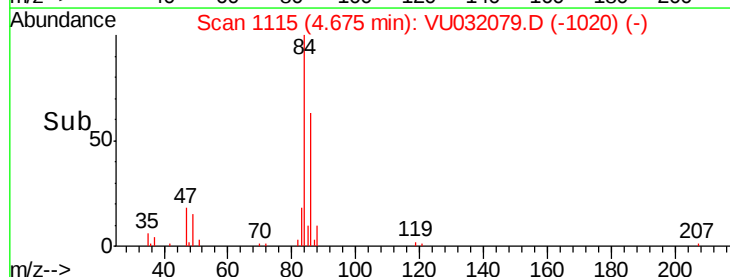
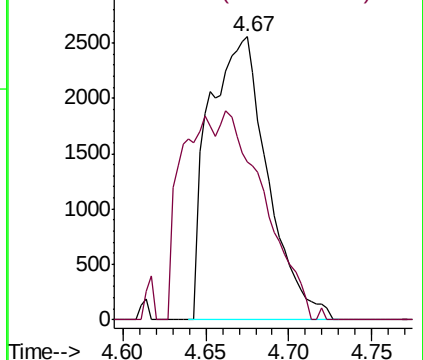
83 100

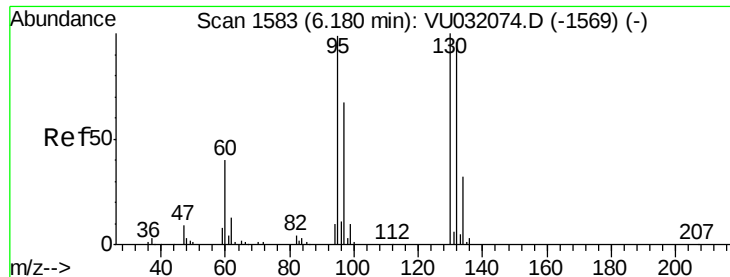
85 55.8 44.9 83.3



Abundance Ion 83.05 (82.75 to 83.75): VU032074.D (-1098) (-)

Ion 85.00 (84.70 to 85.70): VU032074.D (-1098) (-)





#34

Trichloroethene

Concen: 1.018 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032079.D

Acq: 17 May 2019 04:32

Instrument :

MSVOA_U

ClientSampleId :

F9W18

Tgt Ion: 95 Resp: 16725

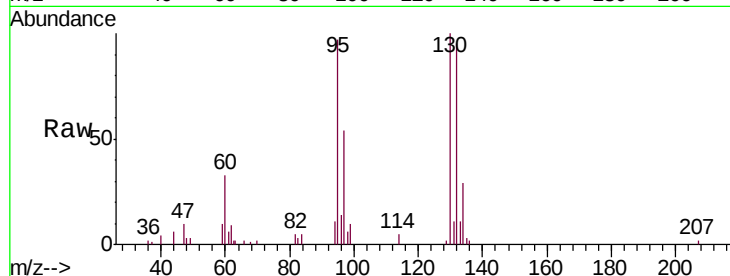
Ion Ratio Lower Upper

95 100

97 55.4 45.2 84.0

132 98.5 66.1 122.7

130 103.5 66.7 123.9

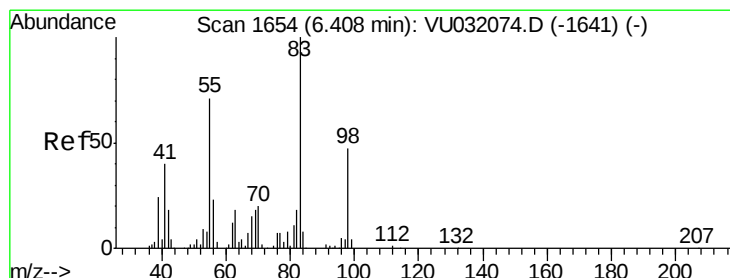
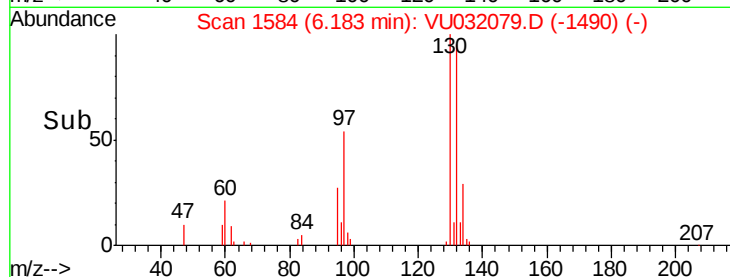
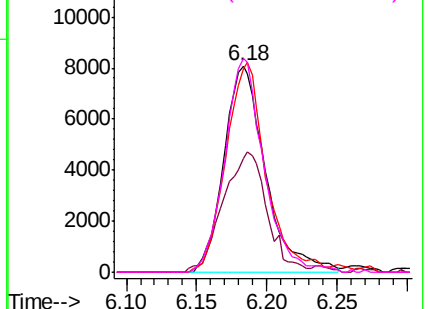


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.545 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032079.D

Acq: 17 May 2019 04:32

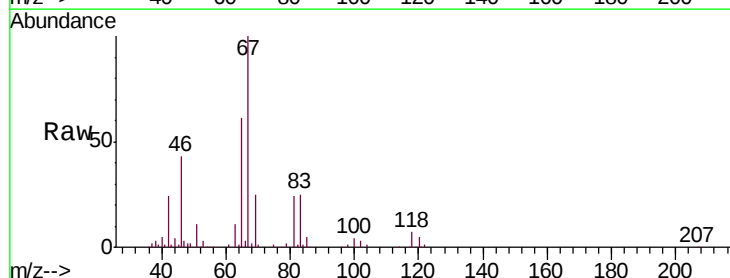
Tgt Ion: 83 Resp: 36557

Ion Ratio Lower Upper

83 100

55 0.2 59.7 89.5#

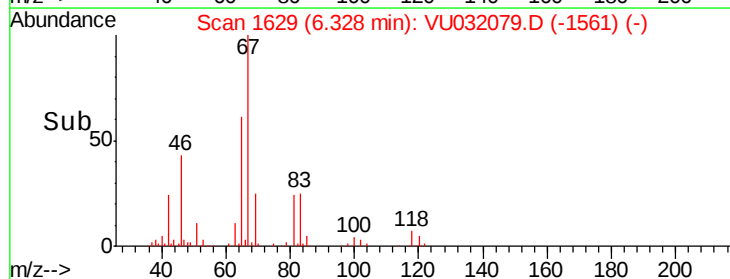
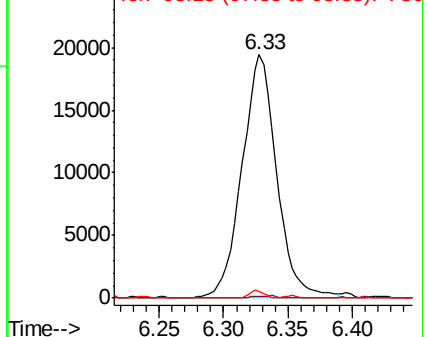
98 1.3 36.8 55.2#

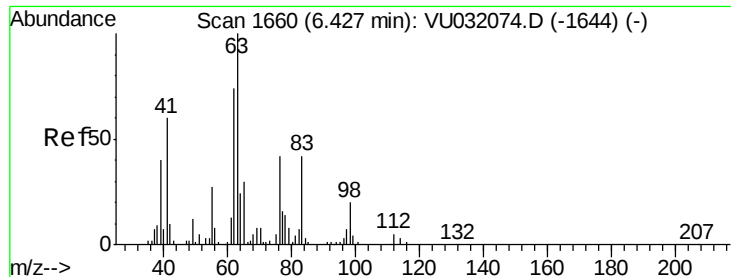


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

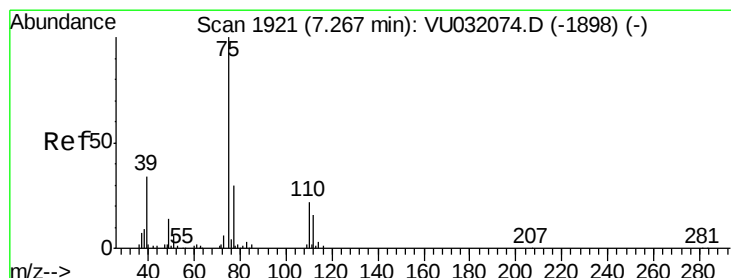
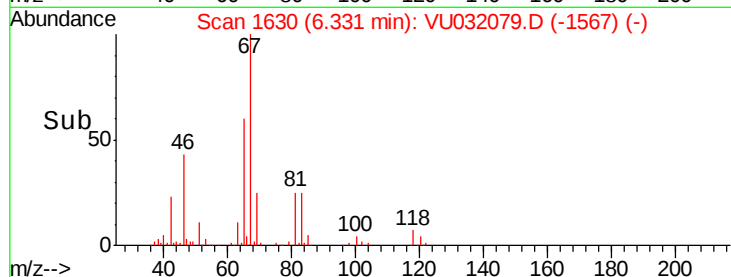
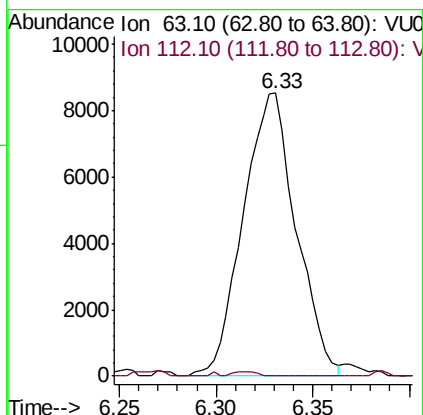
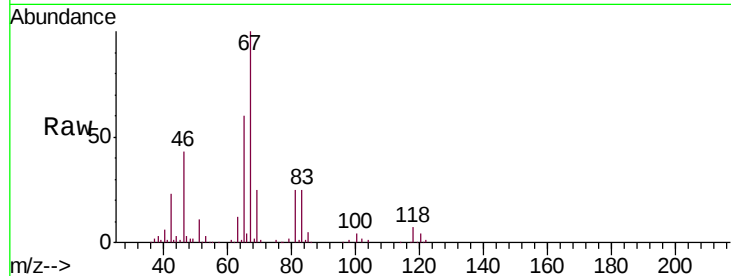




#37
 1,2-Dichloropropane
 Concen: 1.097 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU032079.D
 Acq: 17 May 2019 04:32

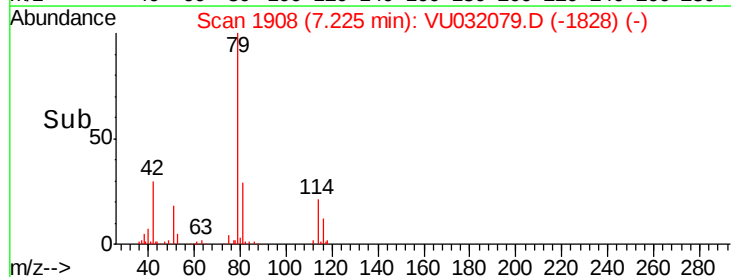
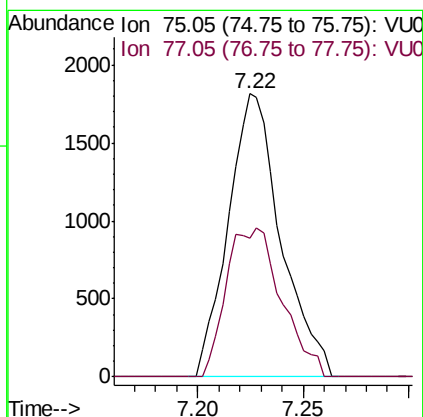
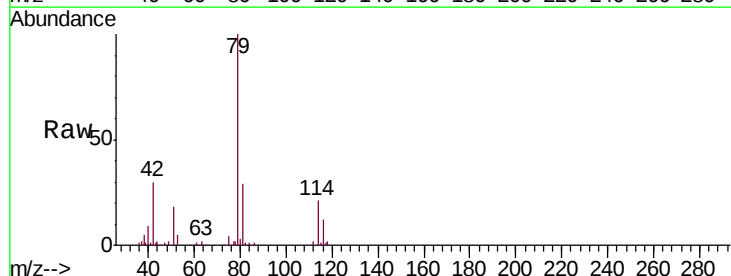
Instrument :
 MSVOA_U
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 F9W18

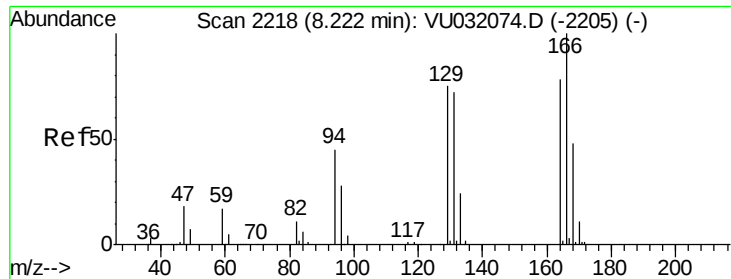
Tgt Ion: 63 Resp: 16248
 Ion Ratio Lower Upper
 63 100
 112 0.8 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.154 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032079.D
 Acq: 17 May 2019 04:32

Tgt Ion: 75 Resp: 3145
 Ion Ratio Lower Upper
 75 100
 77 49.2 21.7 40.3#

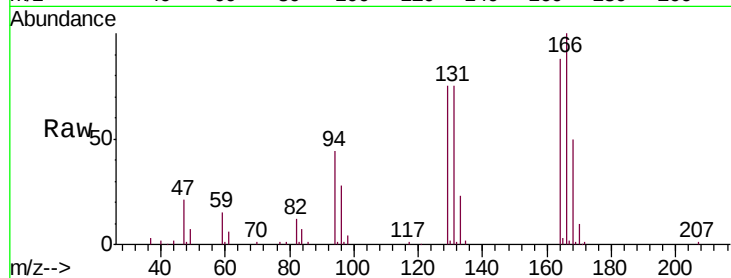




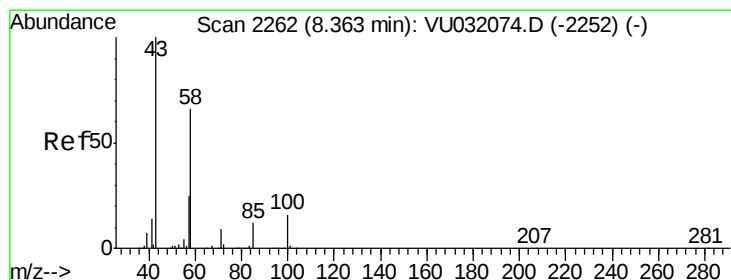
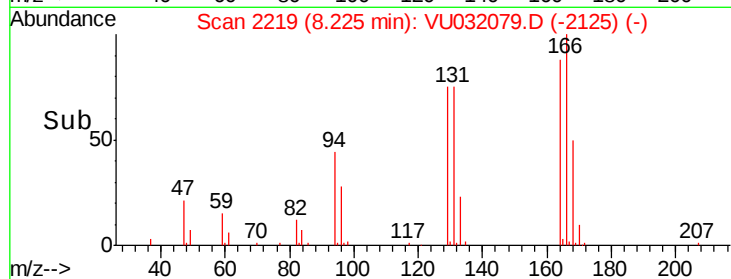
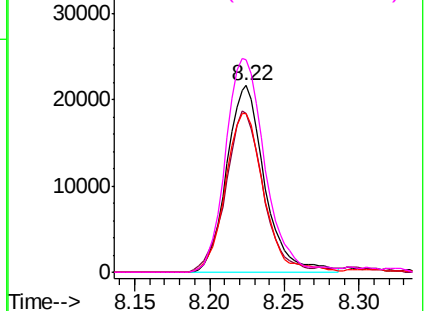
#47
Tetrachloroethene
Concen: 3.108 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032079.D
Acq: 17 May 2019 04:32

Instrument :
MSVOA_U
ClientSampleId :
F9W18

Tgt Ion:164 Resp: 38175
Ion Ratio Lower Upper
164 100
129 85.4 70.3 130.5
131 85.1 64.5 119.9
166 114.0 92.3 171.5

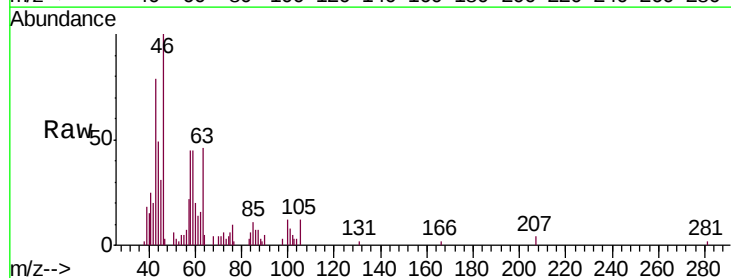


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

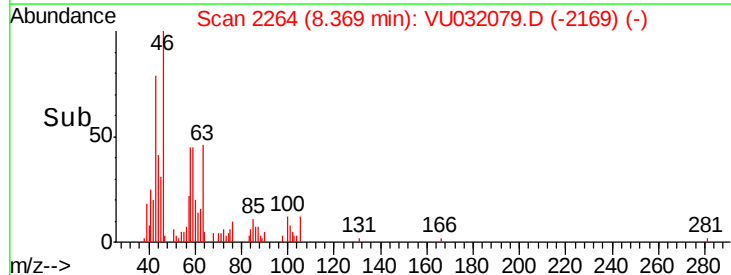
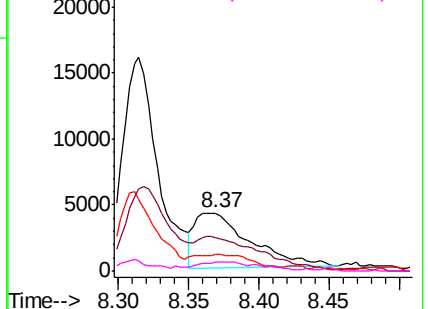


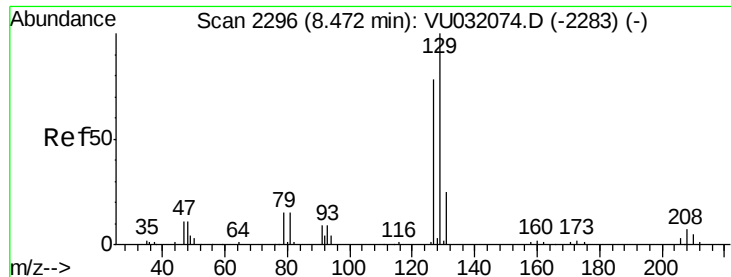
#48
2-Hexanone
Concen: 2.181 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU032079.D
Acq: 17 May 2019 04:32

Tgt Ion: 43 Resp: 11615
Ion Ratio Lower Upper
43 100
58 69.7 51.6 77.4
57 25.7 18.4 27.6
100 6.7 12.2 18.4#



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: 2.563 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032079.D

Acq: 17 May 2019 04:32

Instrument :

MSVOA_U

ClientSampleId :

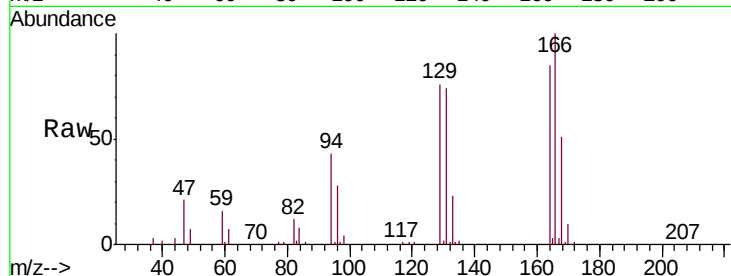
F9W18

Tgt Ion:129 Resp: 32309

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

20000

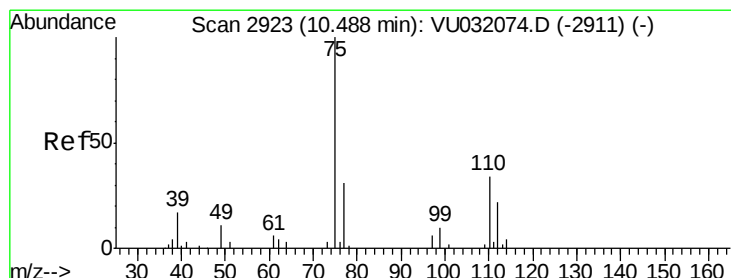
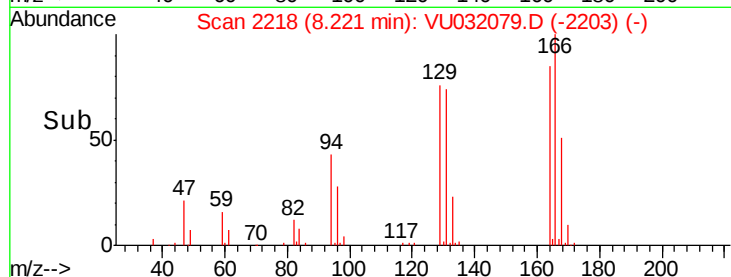
15000

10000

5000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.750 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032079.D

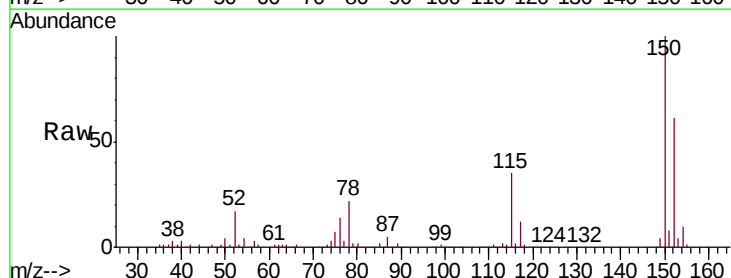
Acq: 17 May 2019 04:32

Tgt Ion: 75 Resp: 16461

Ion Ratio Lower Upper

75 100

77 39.4 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

12000

10000

8000

6000

4000

2000

0

Time-->

