

Data File : VU032111.D
Acq On : 17 May 2019 19:27
Operator : JC/SP
Sample : K2850-02DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W01DL

Quant Time: May 18 04:13:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 04:08:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	375176	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	373832	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	147768	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	121699	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.68	69	102617	3.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.00%
11) 1,1-Dichloroethene-d2	2.27	63	171666	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	4.21	46	278483	44.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.76%
24) Chloroform-d	4.64	84	234255	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.31	65	120199	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
32) Benzene-d6	5.33	84	470986	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	6.33	67	139500	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.80%
41) Toluene-d8	7.56	98	392309	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
43) trans-1,3-Dichloropropene-	7.85	79	49150	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.31	63	242409	44.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	127787	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	149378	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

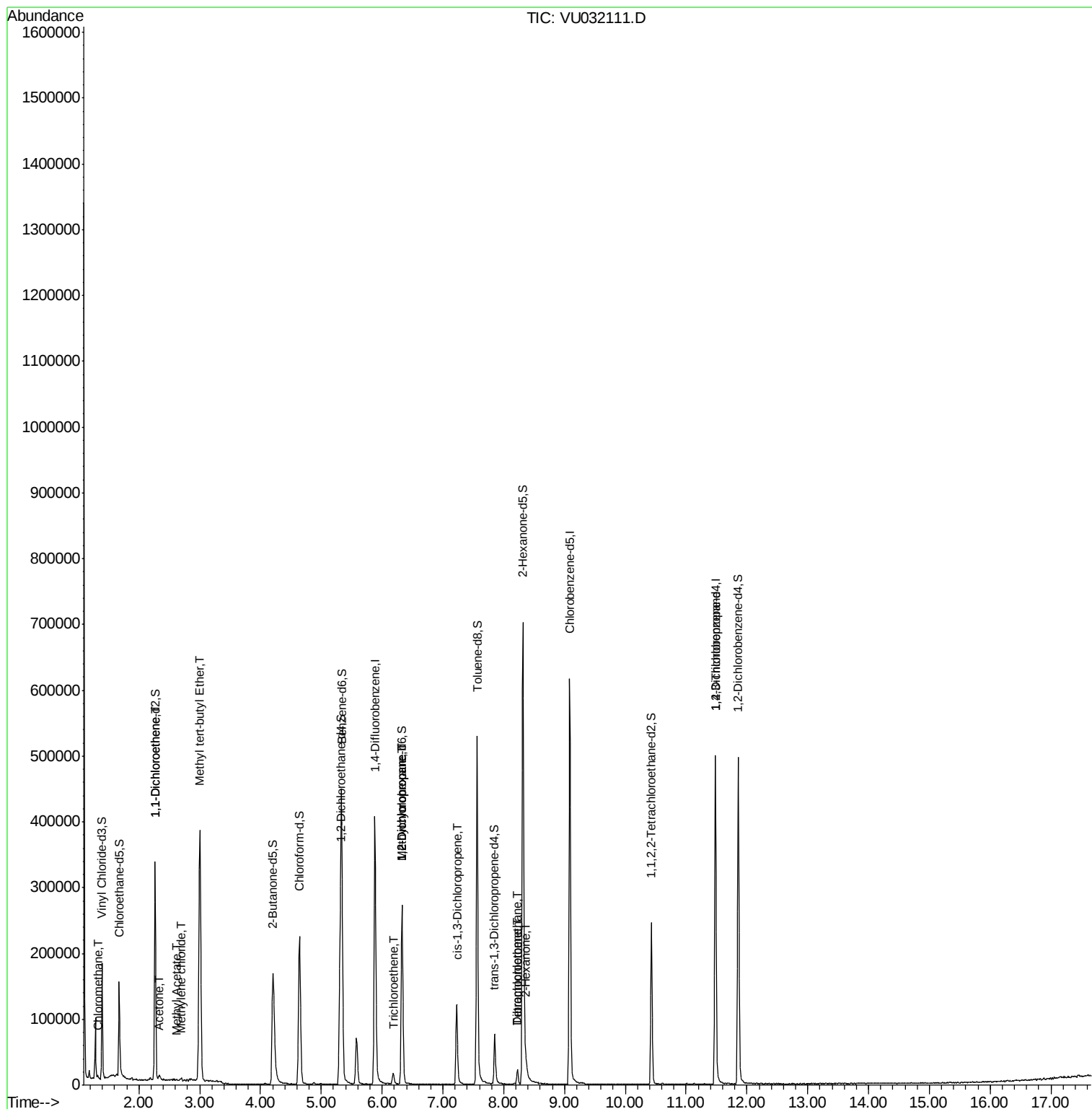
					Qvalue
3) Chloromethane	1.32	50	3066	0.170 ug/L	99
12) 1,1-Dichloroethene	2.27	96	1726	0.115 ug/L #	1
13) Acetone	2.34	43	4626	2.271 ug/L	94
15) Methyl Acetate	2.63	43	895	0.153 ug/L #	59
16) Methylene chloride	2.69	84	2242	0.125 ug/L	84
17) Methyl tert-butyl Ether	3.00	73	449936	12.702 ug/L	96
34) Trichloroethene	6.18	95	4943	0.317 ug/L #	78
35) Methylcyclohexane	6.33	83	34996	1.561 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	14157	1.009 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	2797	0.144 ug/L #	66
47) Tetrachloroethene	8.23	164	5698	0.490 ug/L	92
48) 2-Hexanone	8.36	43	8259	1.637 ug/L #	93
49) Dibromochloromethane	8.22	129	5439	0.455 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	15951	1.789 ug/L	91

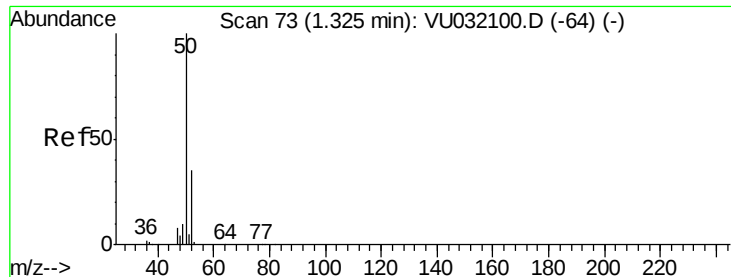
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.170 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032111.D

Acq: 17 May 2019 19:27

Instrument :

MSVOA_U

ClientSampleID :

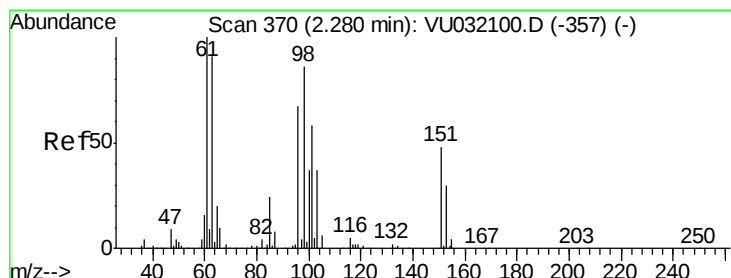
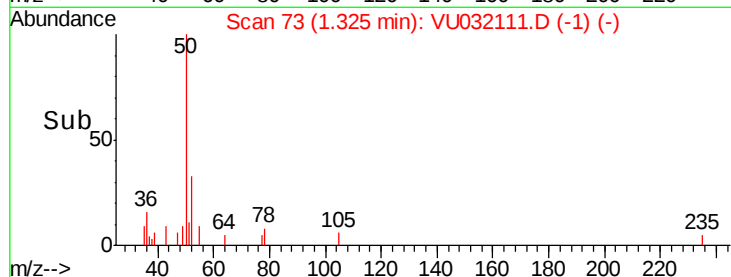
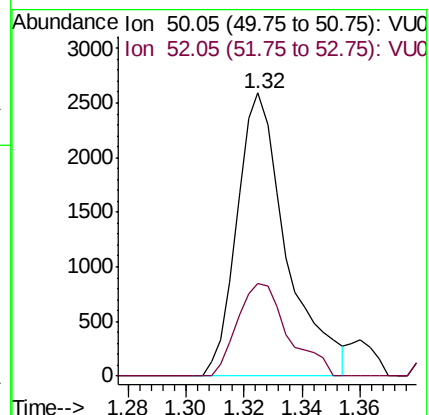
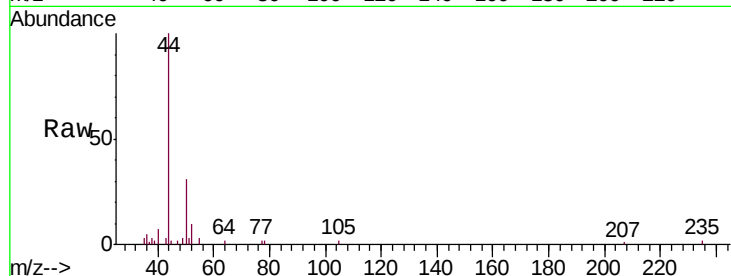
F9W01DL

Tgt Ion: 50 Resp: 3066

Ion Ratio Lower Upper

50 100

52 32.7 23.2 43.0



#12

1,1-Dichloroethene

Concen: 0.115 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032111.D

Acq: 17 May 2019 19:27

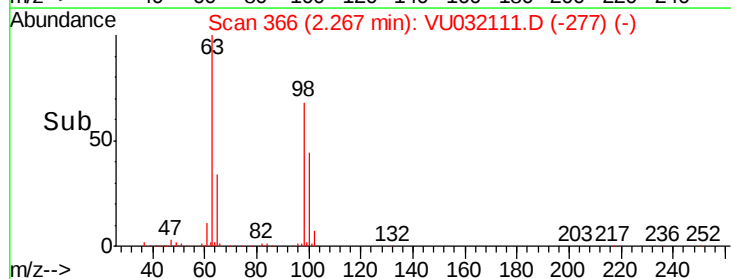
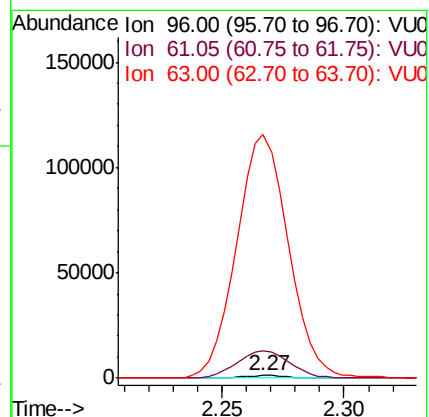
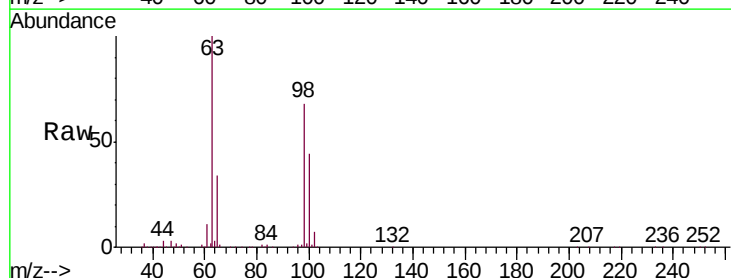
Tgt Ion: 96 Resp: 1726

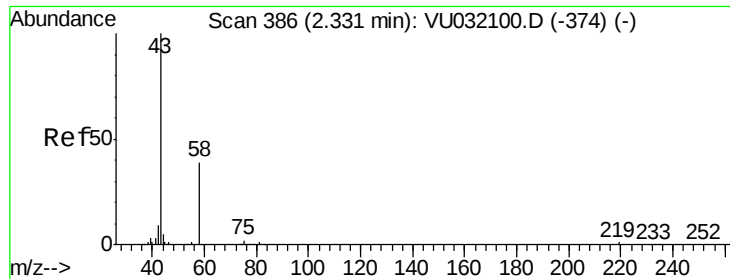
Ion Ratio Lower Upper

96 100

61 1169.3 111.7 207.5#

63 10187.8 152.2 282.6#





#13

Acetone

Concen: 2.271 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.01 min

Lab File: VU032111.D

Acq: 17 May 2019 19:27

Instrument :

MSVOA_U

ClientSampleId :

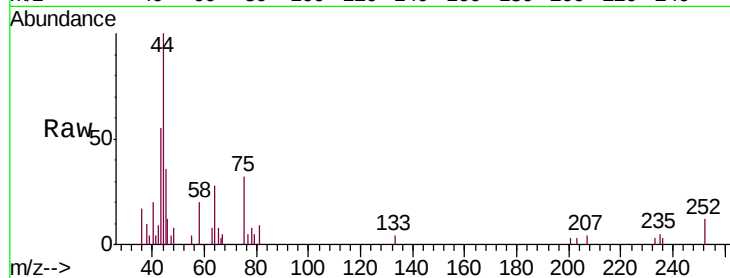
F9W01DL

Tgt Ion: 43 Resp: 4626

Ion Ratio Lower Upper

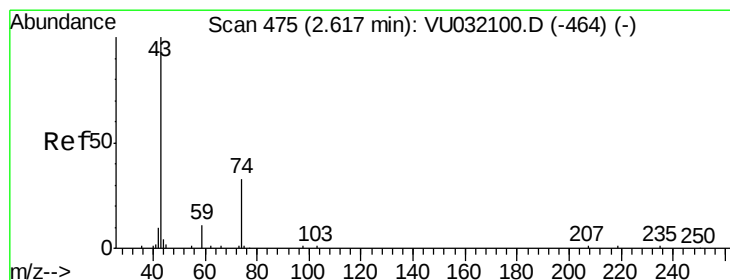
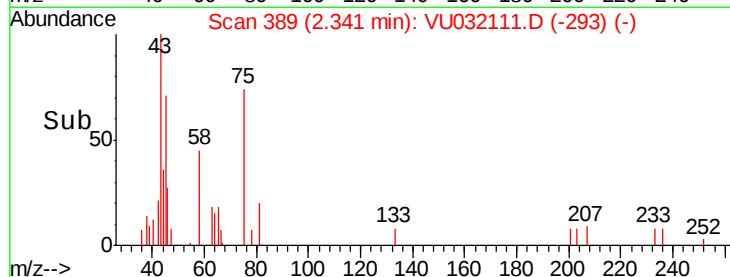
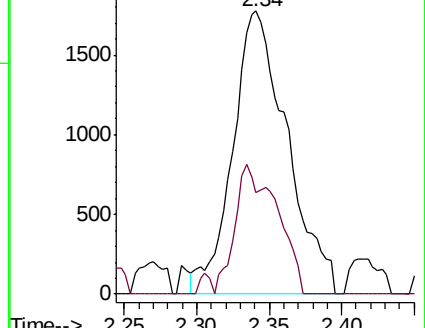
43 100

58 35.8 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032100.D (-374) (-)

Ion 58.05 (57.75 to 58.75): VU032100.D (-374) (-)



#15

Methyl Acetate

Concen: 0.153 ug/L

RT: 2.63 min Scan# 478

Delta R.T. 0.01 min

Lab File: VU032111.D

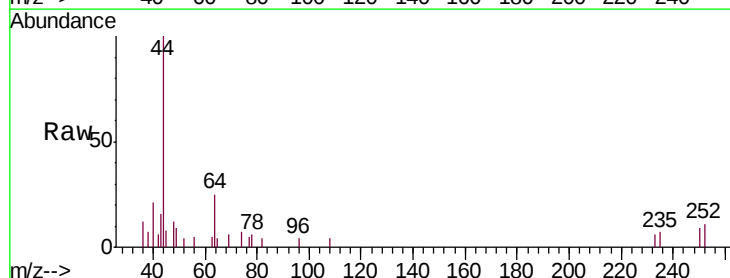
Acq: 17 May 2019 19:27

Tgt Ion: 43 Resp: 895

Ion Ratio Lower Upper

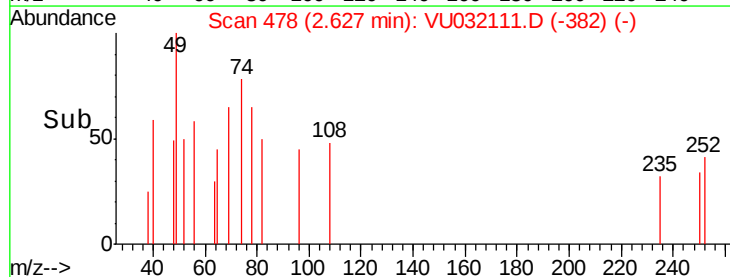
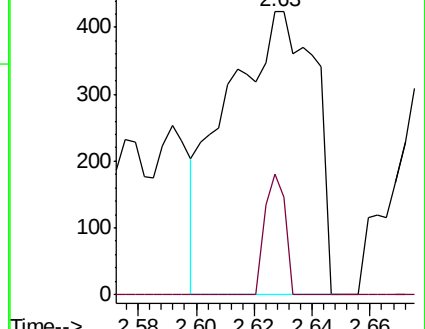
43 100

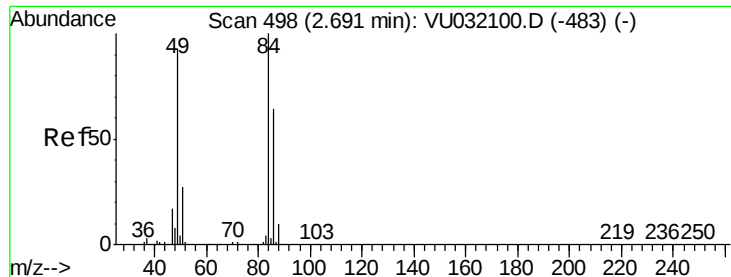
74 9.9 26.4 39.6#



Abundance Ion 43.05 (42.75 to 43.75): VU032100.D (-464) (-)

Ion 74.05 (73.75 to 74.75): VU032100.D (-464) (-)





#16

Methylene chloride

Concen: 0.125 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032111.D

Acq: 17 May 2019 19:27

Instrument :

MSVOA_U

ClientSampleId :

F9W01DL

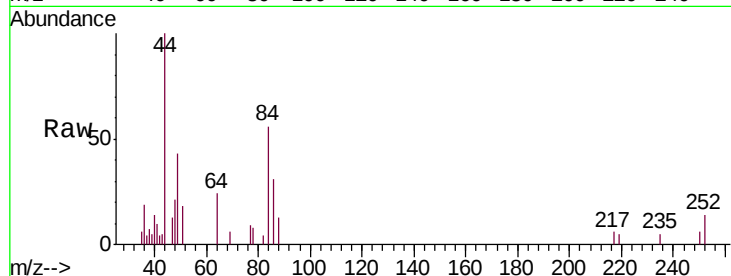
Tgt Ion: 84 Resp: 2242

Ion Ratio Lower Upper

84 100

86 54.3 43.1 80.1

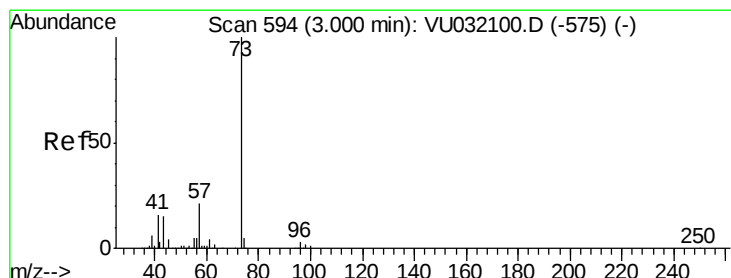
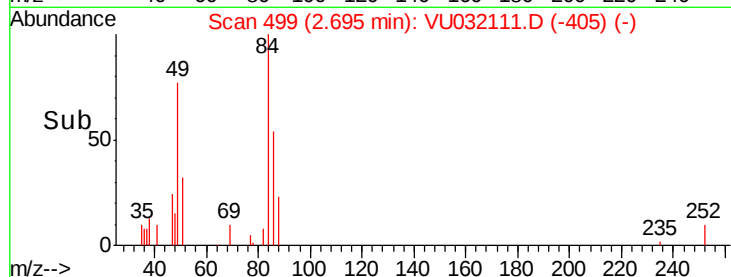
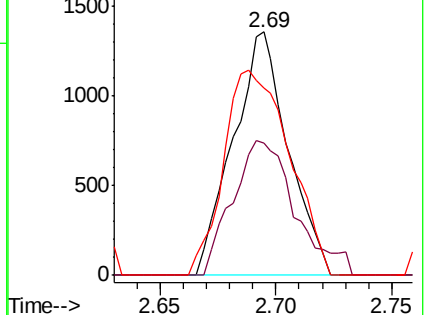
49 76.7 67.7 125.7



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#17

Methyl tert-butyl Ether

Concen: 12.702 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU032111.D

Acq: 17 May 2019 19:27

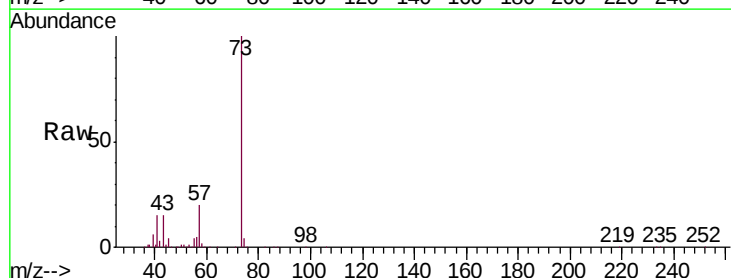
Tgt Ion: 73 Resp: 449936

Ion Ratio Lower Upper

73 100

43 15.5 13.0 19.6

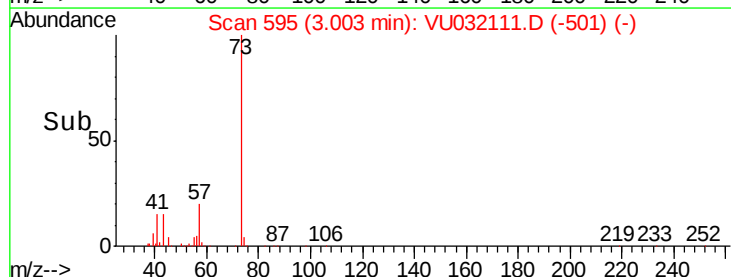
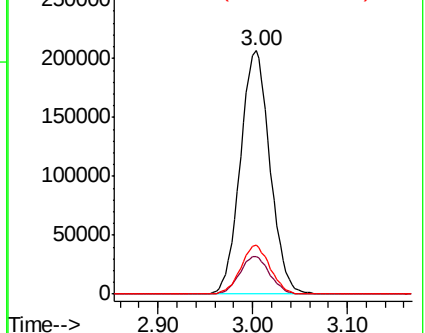
57 19.7 17.9 26.9

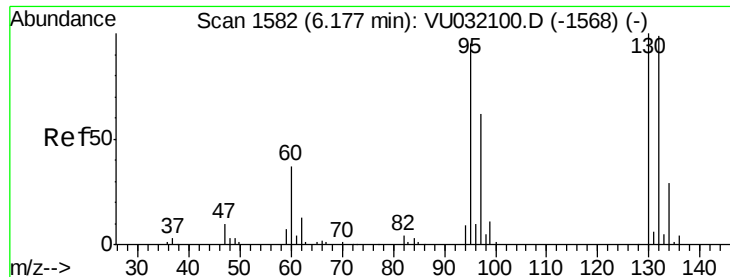


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#34

Trichloroethene

Concen: 0.317 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VU032111.D

Acq: 17 May 2019 19:27

Instrument :

MSVOA_U

ClientSampleID :

F9W01DL

Tgt Ion: 95 Resp: 4943

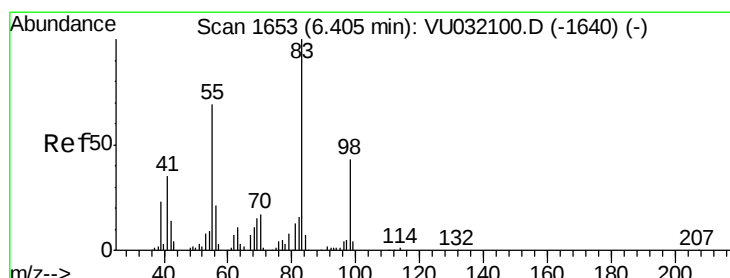
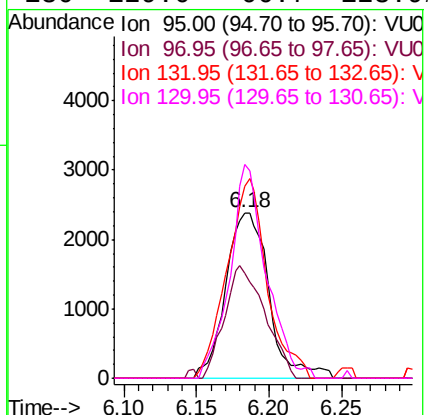
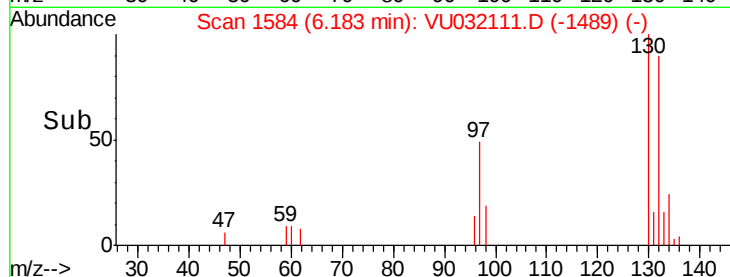
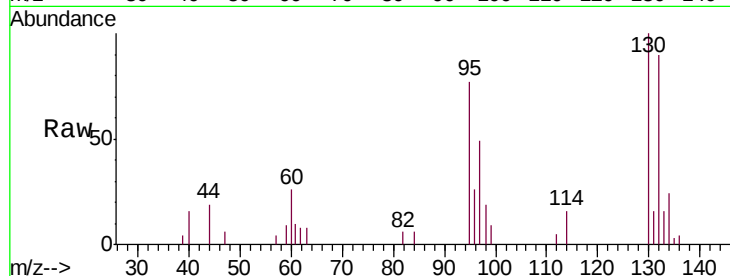
Ion Ratio Lower Upper

95 100

97 63.8 45.2 84.0

132 116.0 66.1 122.7

130 129.0 66.7 123.9#



#35

Methylcyclohexane

Concen: 1.561 ug/L

RT: 6.33 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VU032111.D

Acq: 17 May 2019 19:27

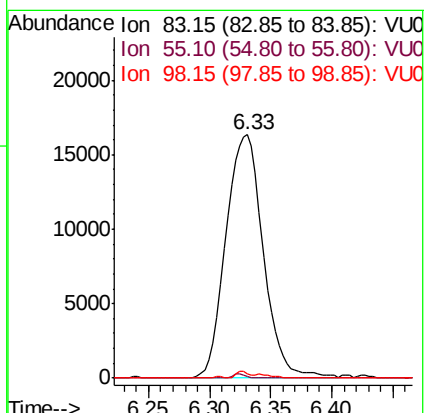
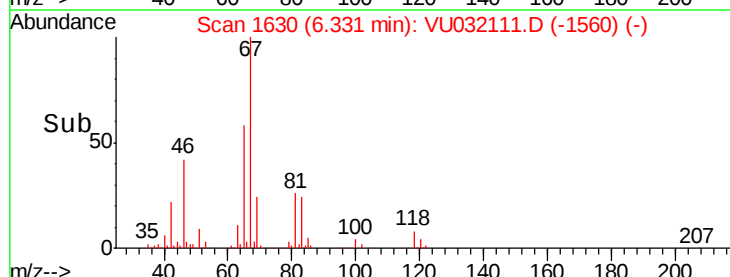
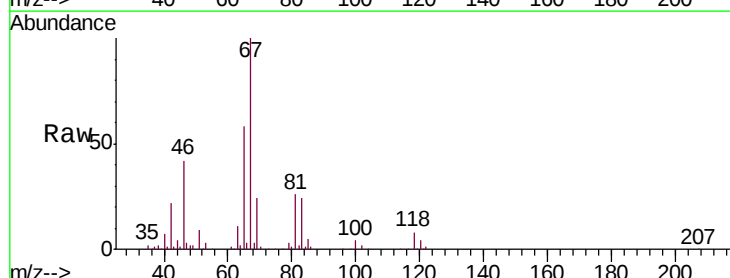
Tgt Ion: 83 Resp: 34996

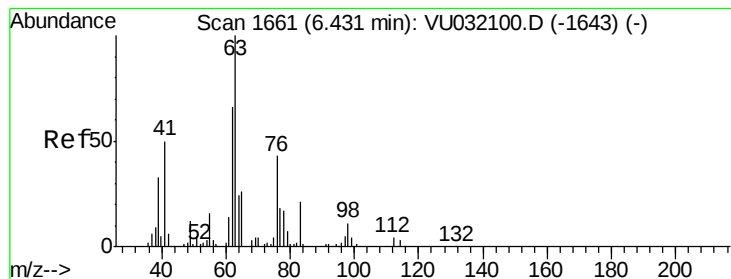
Ion Ratio Lower Upper

83 100

55 0.6 59.7 89.5#

98 0.9 36.8 55.2#





#37

1,2-Dichloropropane

Concen: 1.009 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032111.D

Acq: 17 May 2019 19:27

Instrument :

MSVOA_U

ClientSampleId :

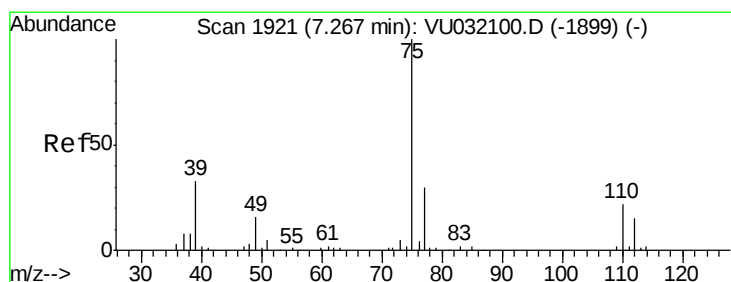
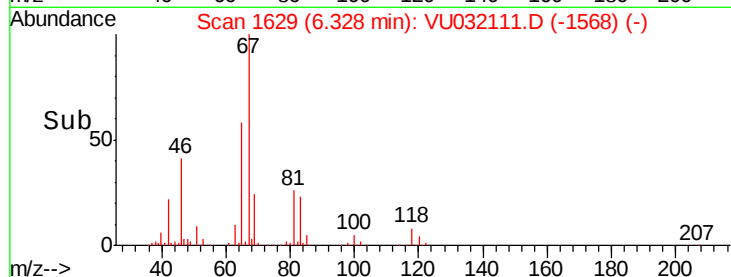
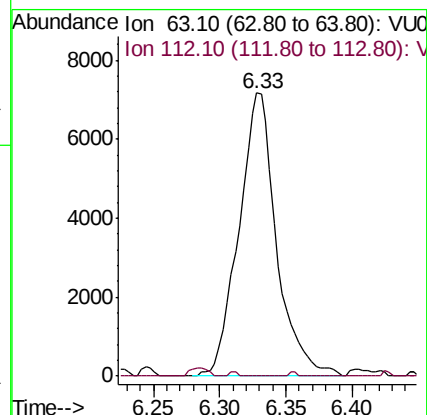
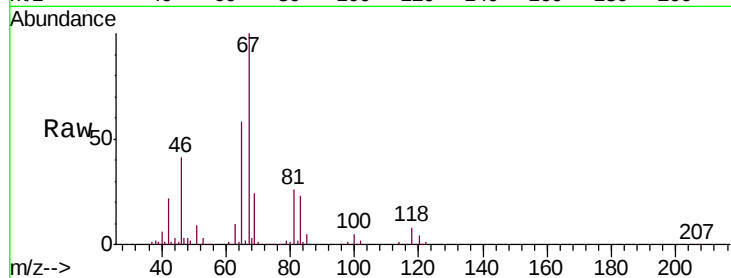
F9W01DL

Tgt Ion: 63 Resp: 14157

Ion Ratio Lower Upper

63 100

112 0.3 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.144 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU032111.D

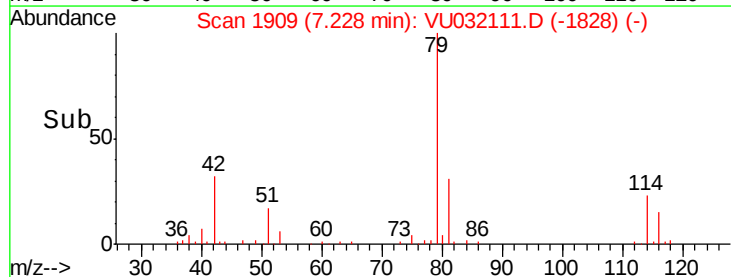
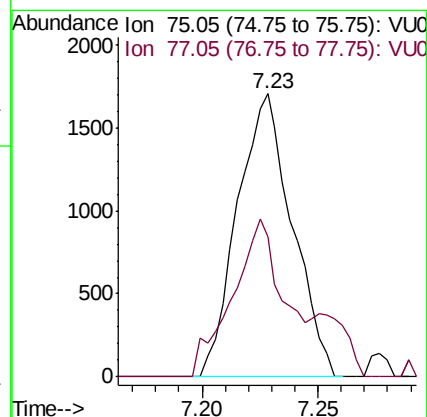
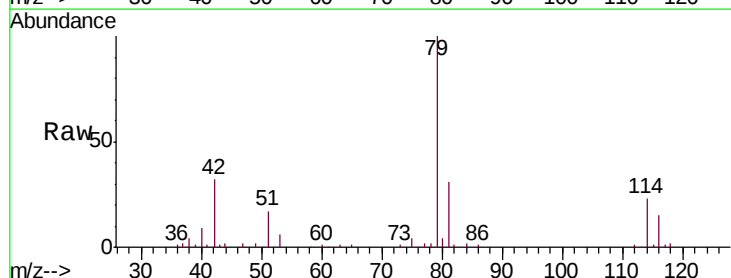
Acq: 17 May 2019 19:27

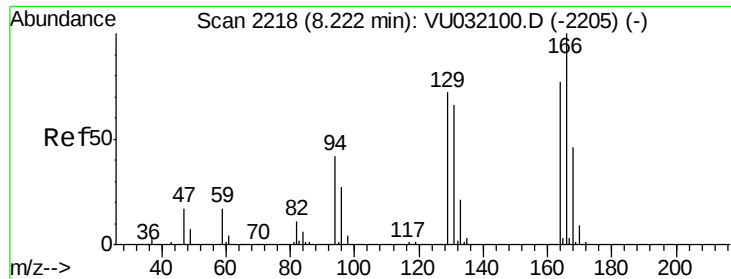
Tgt Ion: 75 Resp: 2797

Ion Ratio Lower Upper

75 100

77 49.7 21.7 40.3#

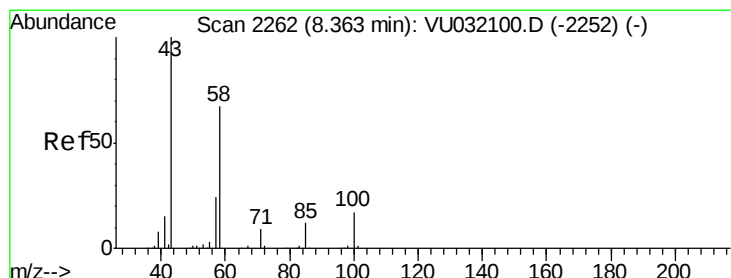
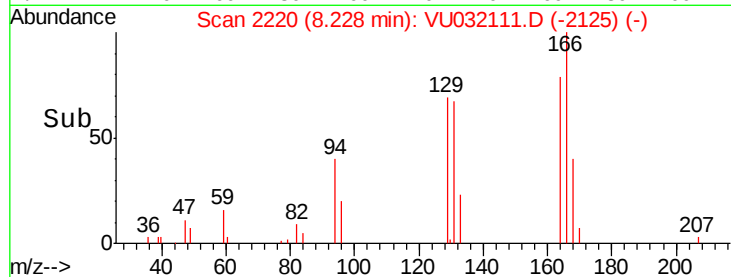
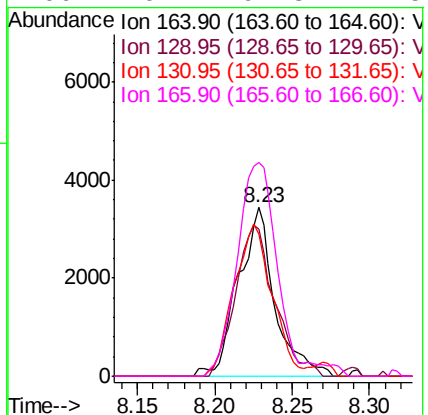
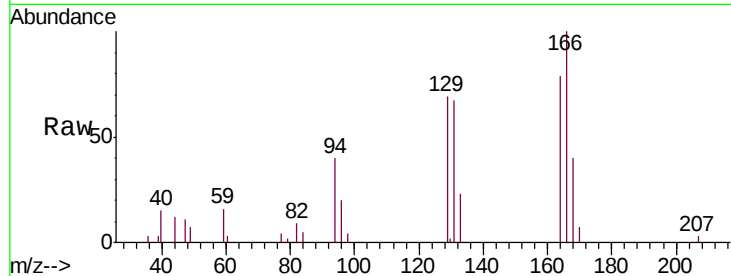




#47
Tetrachloroethene
Concen: 0.490 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU032111.D
Acq: 17 May 2019 19:27

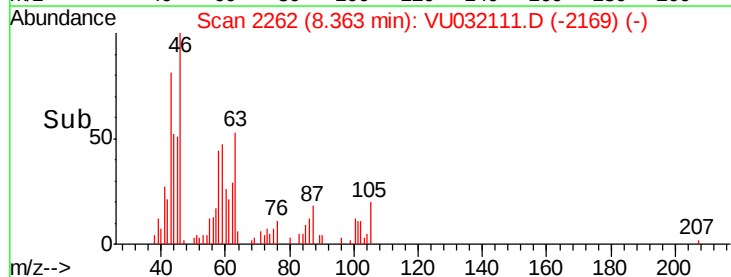
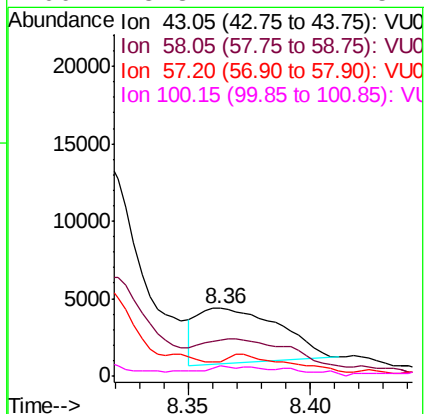
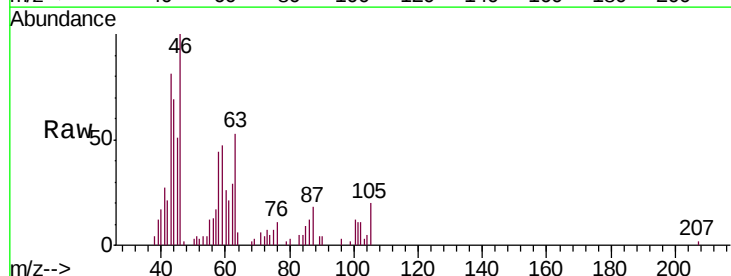
Instrument :
MSVOA_U
ClientSampleId :
F9W01DL

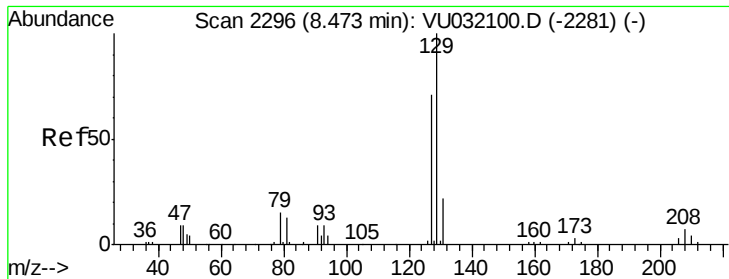
Tgt Ion:	164	Resp:	5698
Ion	Ratio	Lower	Upper
164	100		
129	87.4	70.3	130.5
131	84.3	64.5	119.9
166	126.7	92.3	171.5



#48
2-Hexanone
Concen: 1.637 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU032111.D
Acq: 17 May 2019 19:27

Tgt Ion:	43	Resp:	8259
Ion	Ratio	Lower	Upper
43	100		
58	60.9	51.6	77.4
57	25.1	18.4	27.6
100	5.3	12.2	18.4#





#49

Dibromochloromethane

Concen: 0.455 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU032111.D

Acq: 17 May 2019 19:27

Instrument :

MSVOA_U

ClientSampleId :

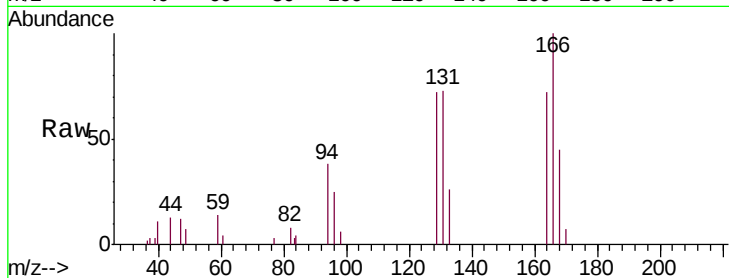
F9W01DL

Tgt Ion:129 Resp: 5439

Ion Ratio Lower Upper

129 100

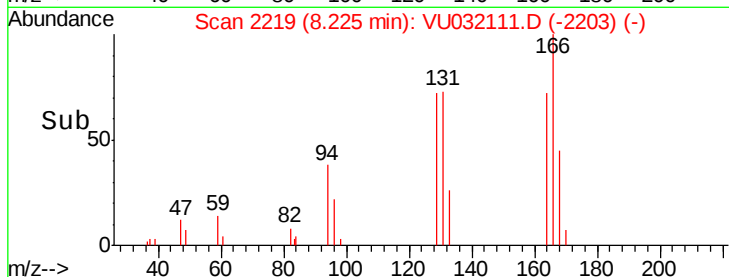
127 0.0 55.2 102.6#



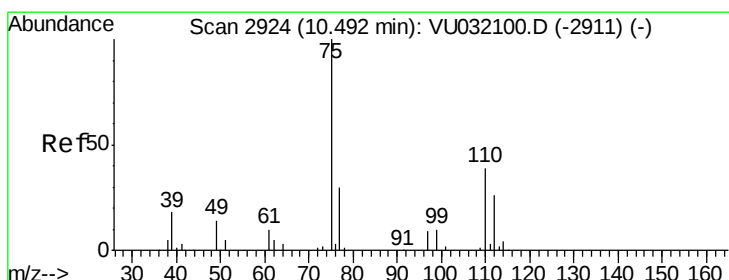
Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22



Time-->



#59

1,2,3-Trichloropropane

Concen: 1.789 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032111.D

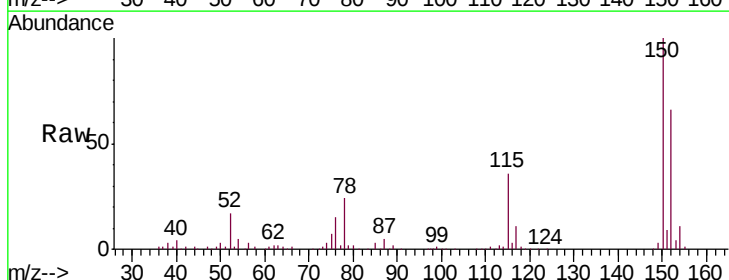
Acq: 17 May 2019 19:27

Tgt Ion: 75 Resp: 15951

Ion Ratio Lower Upper

75 100

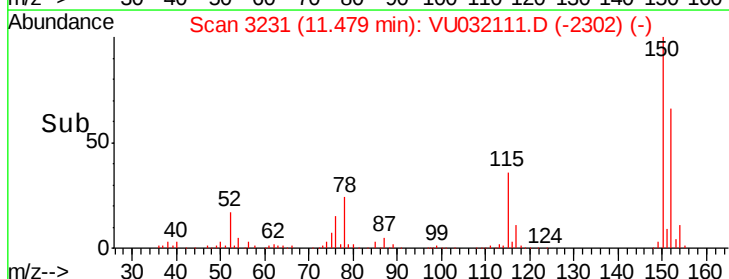
77 37.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48



Time-->