

Data File : VU032081.D
Acq On : 17 May 2019 05:22
Operator : JC/SP
Sample : K2859-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W20

Quant Time: May 17 08:45:21 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	379815	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	388169	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	150306	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	144296	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.68	69	123277	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.27	63	203623	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.21	46	274912	43.77	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.54%
24) Chloroform-d	4.64	84	252665	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.31	65	129161	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.33	84	527704	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.33	67	153234	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.56	98	439618	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	7.85	79	50827	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.31	63	242499	43.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	126038	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	156580	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	3712	0.203	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2234	0.143	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2172	0.142	ug/L #	1
22) cis-1,2-Dichloroethene	4.22	96	5999	0.374	ug/L	68
25) Chloroform	4.67	83	24589	0.888	ug/L	97
34) Trichloroethene	6.18	95	18513	1.145	ug/L	95
35) Methylcyclohexane	6.33	83	37353	1.604	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	15369	1.055	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3183	0.158	ug/L #	72
44) trans-1,3-Dichloropropene	7.85	75	2602	0.166	ug/L	98
47) Tetrachloroethene	8.22	164	9229	0.764	ug/L	94
48) 2-Hexanone	8.36	43	6063	1.157	ug/L #	71
49) Dibromochloromethane	8.22	129	8754	0.706	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	16619	1.795	ug/L	99

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

Data File : VU032081.D

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Operator : JC/SP

Sample : K2859-01

Misc : 25.0mL/MSV0A_U/WATER

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ALS Vial      : 44      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
F9W20

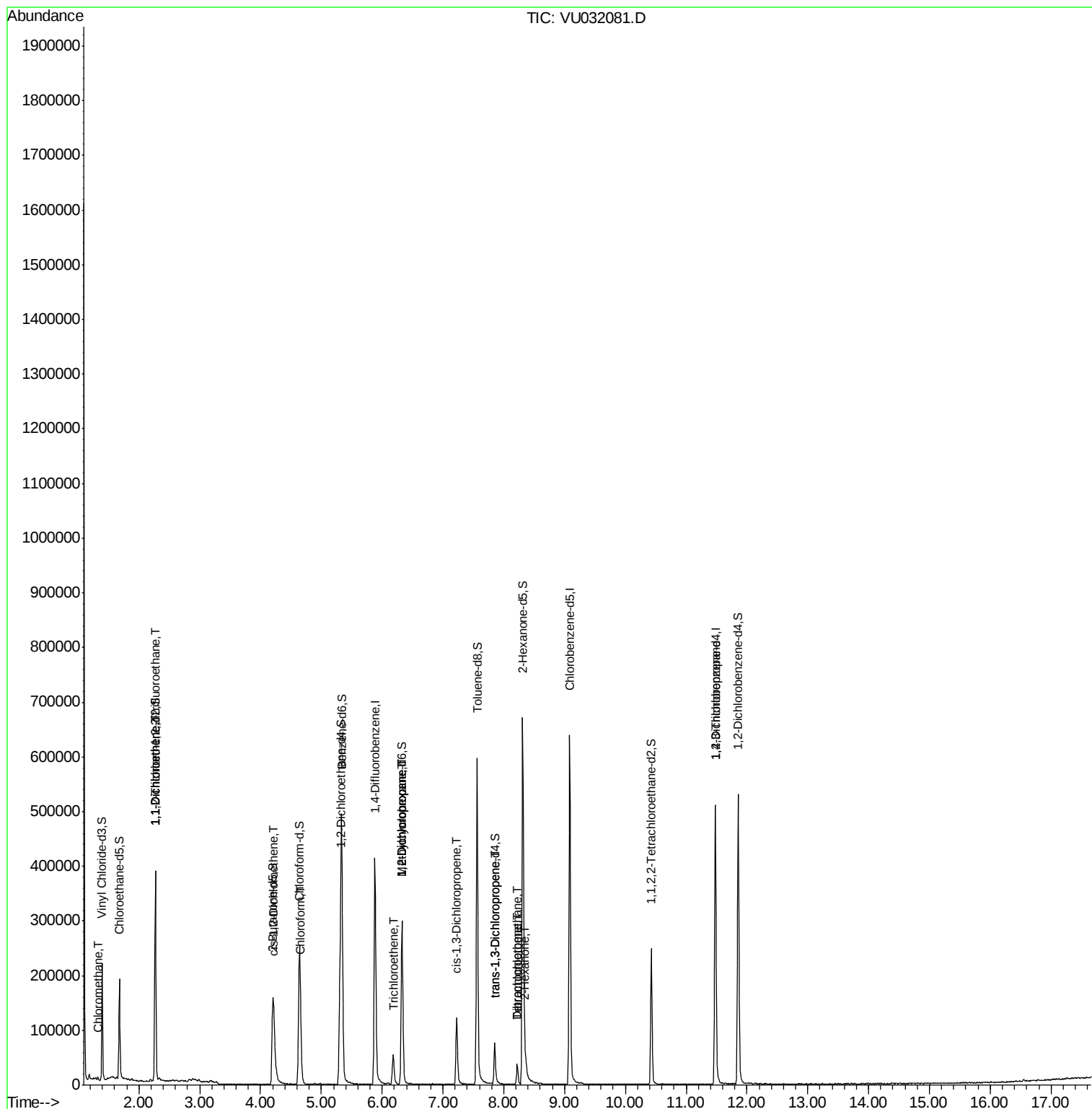
Quant Time: May 17 08:45:21 2019

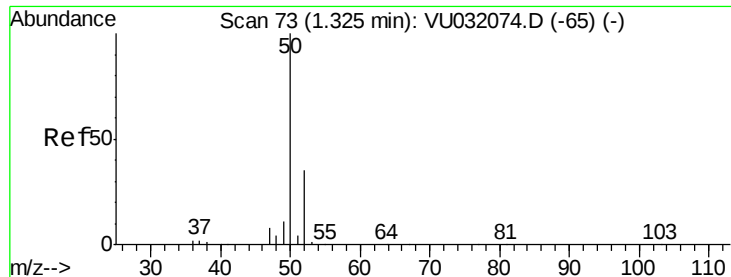
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR051619WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri May 17 08:41:24 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.203 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032081.D

Acq: 17 May 2019 05:22

Instrument :

MSVOA_U

ClientSampleId :

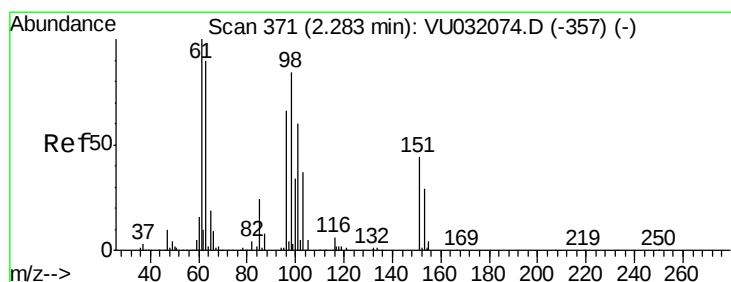
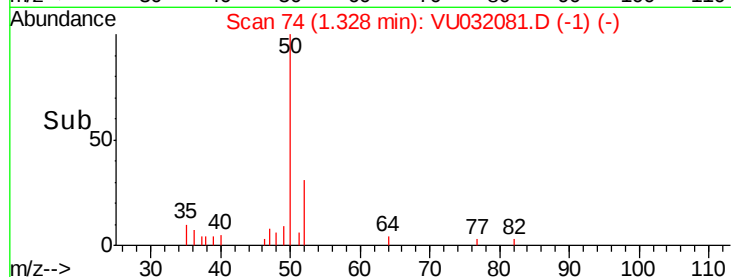
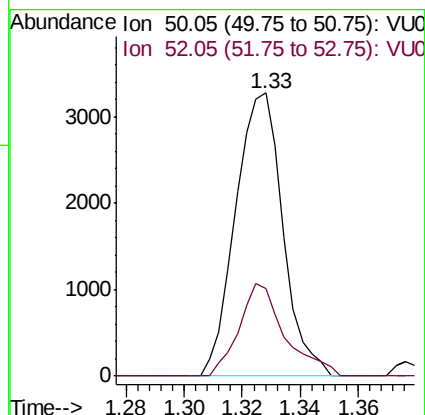
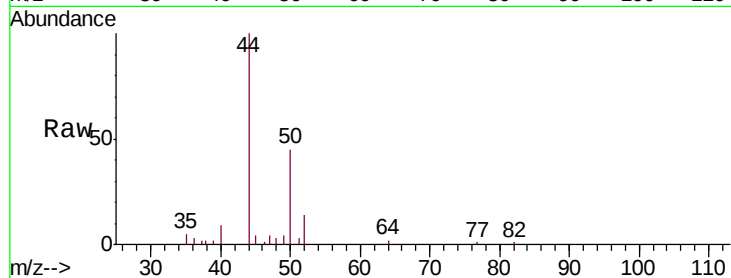
F9W20

Tgt Ion: 50 Resp: 3712

Ion Ratio Lower Upper

50 100

52 30.9 23.2 43.0



#10

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

Concen: 0.143 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032081.D

Acq: 17 May 2019 05:22

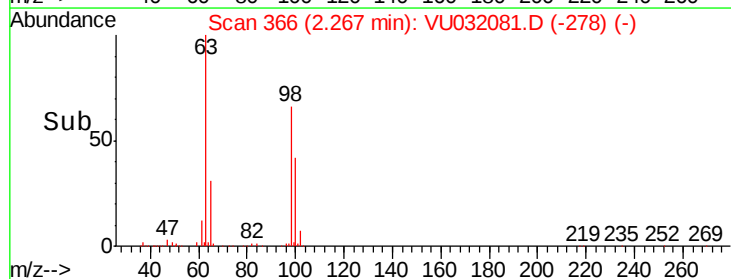
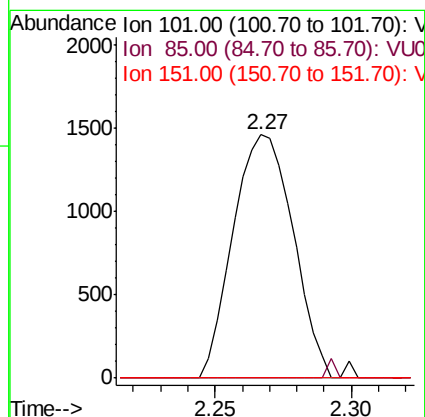
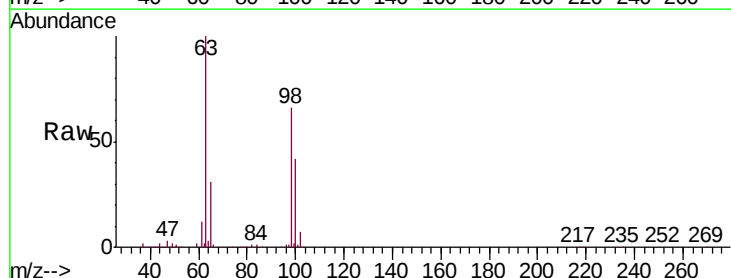
Tgt Ion: 101 Resp: 2234

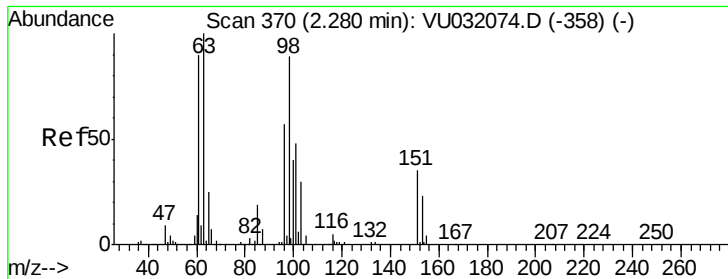
Ion Ratio Lower Upper

101 100

85 1.0 33.8 50.8#

151 0.0 59.4 89.2#





#12

1,1-Dichloroethene

Concen: 0.142 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032081.D

Acq: 17 May 2019 05:22

Instrument :

MSVOA_U

ClientSampleId :

F9W20

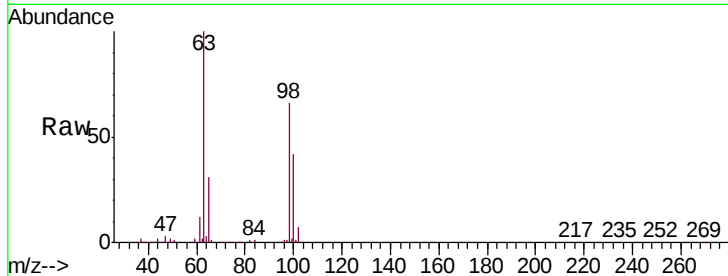
Tgt Ion: 96 Resp: 2172

Ion Ratio Lower Upper

96 100

61 998.5 111.7 207.5#

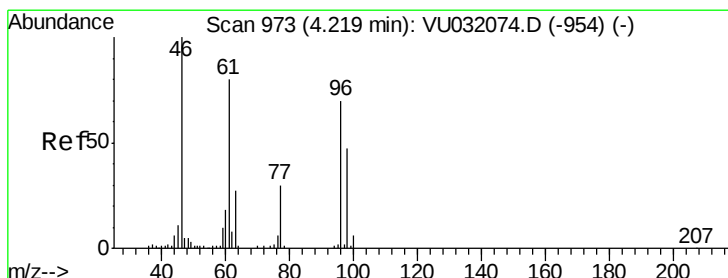
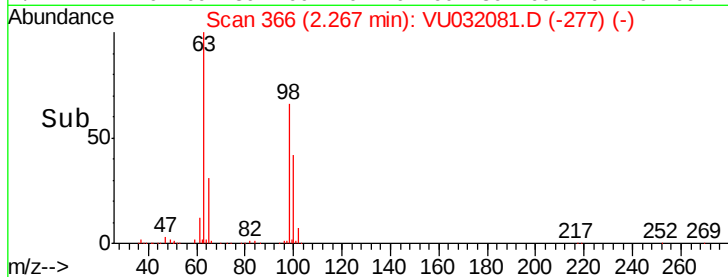
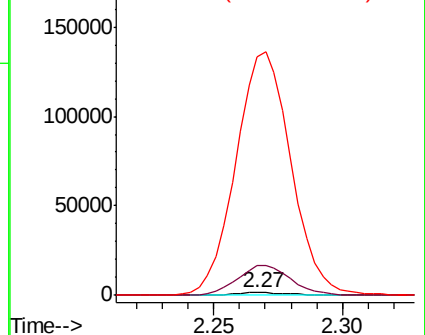
63 8164.3 152.2 282.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032081.D (-277) (-)

Ion 61.05 (60.75 to 61.75): VU032081.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU032081.D (-277) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.374 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032081.D

Acq: 17 May 2019 05:22

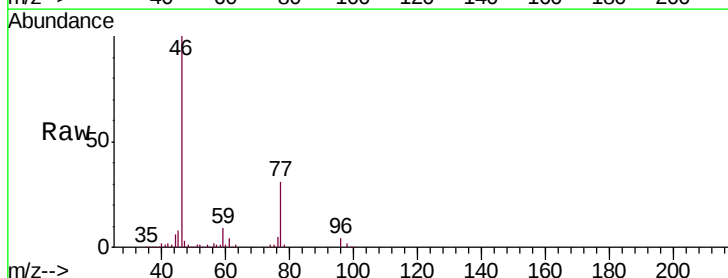
Tgt Ion: 96 Resp: 5999

Ion Ratio Lower Upper

96 100

61 87.0 85.8 159.4

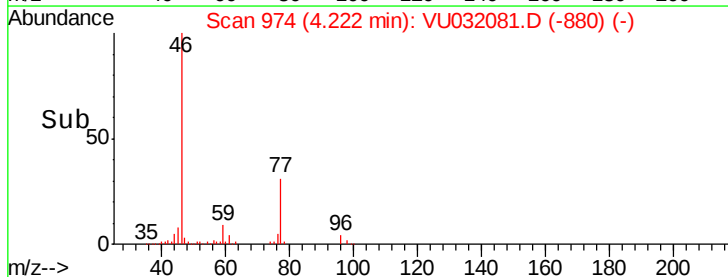
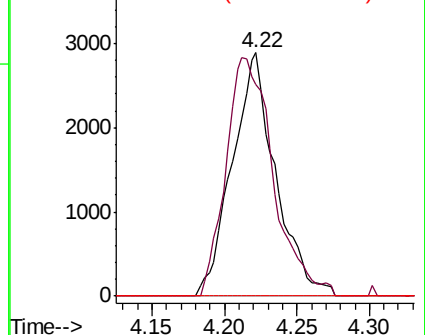
68 0.0 0.0 0.0

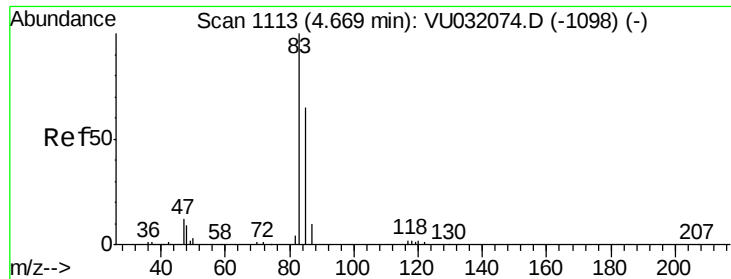


Abundance Ion 96.00 (95.70 to 96.70): VU032081.D (-880) (-)

Ion 61.05 (60.75 to 61.75): VU032081.D (-880) (-)

Ion 68.15 (67.85 to 68.85): VU032081.D (-880) (-)





#25

Chloroform

Concen: 0.888 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU032081.D

Acq: 17 May 2019 05:22

Instrument :

MSVOA_U

ClientSampleId :

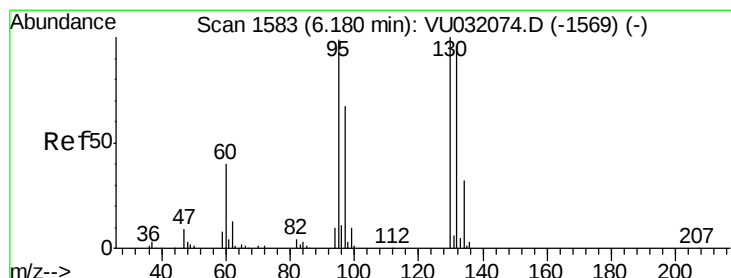
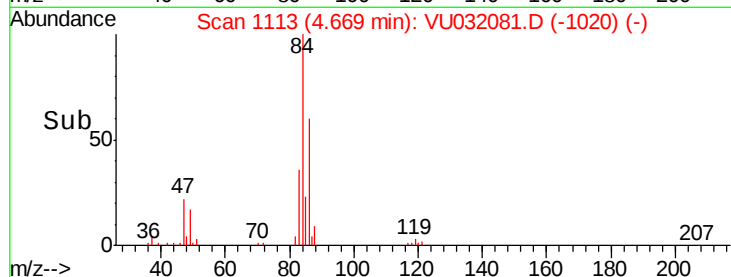
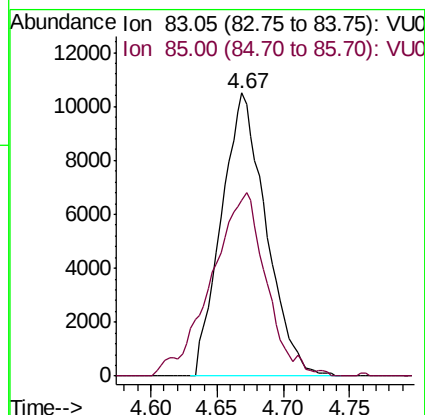
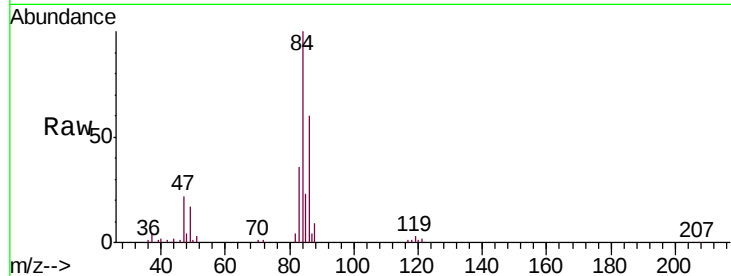
F9W20

Tgt Ion: 83 Resp: 24589

Ion Ratio Lower Upper

83 100

85 62.1 44.9 83.3



#34

Trichloroethene

Concen: 1.145 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032081.D

Acq: 17 May 2019 05:22

Tgt Ion: 95 Resp: 18513

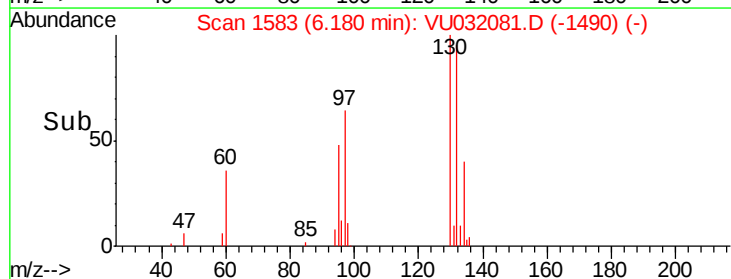
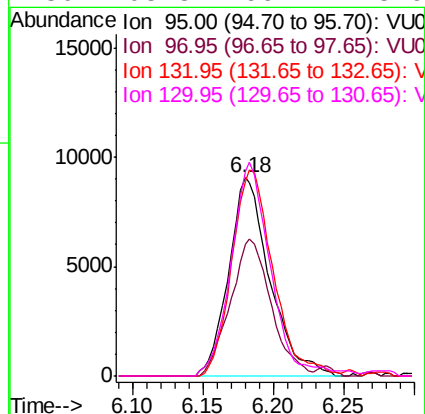
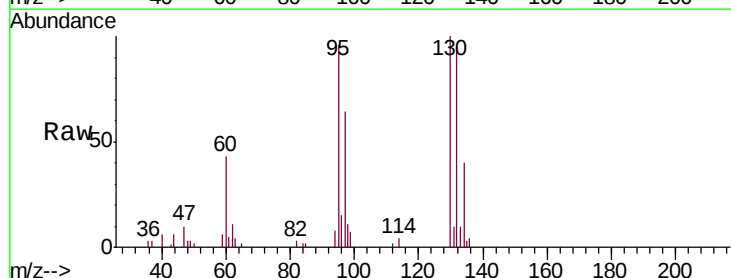
Ion Ratio Lower Upper

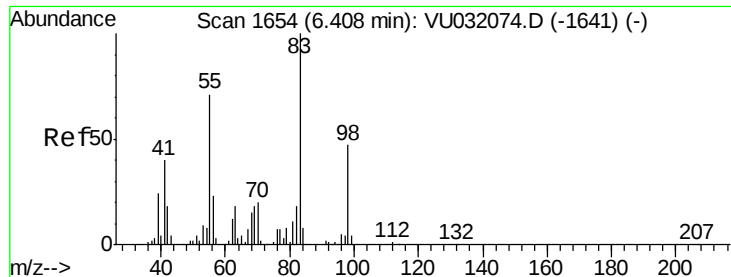
95 100

97 66.9 45.2 84.0

132 98.2 66.1 122.7

130 103.8 66.7 123.9

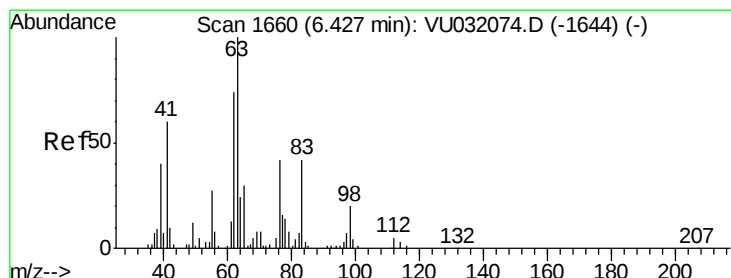
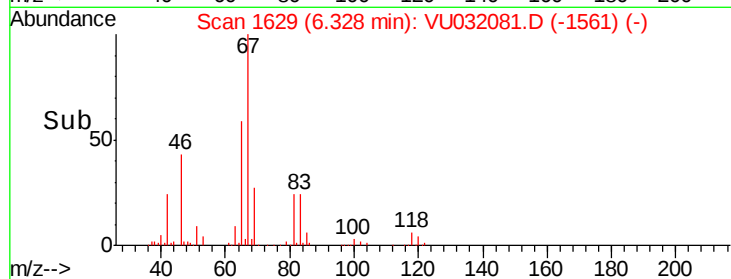
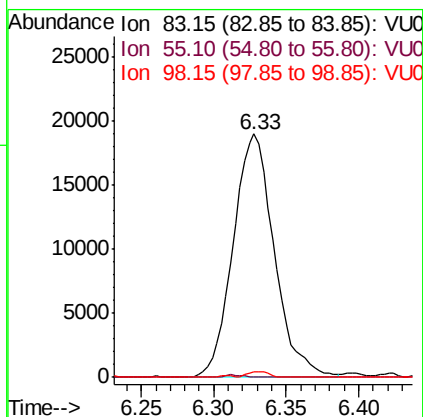
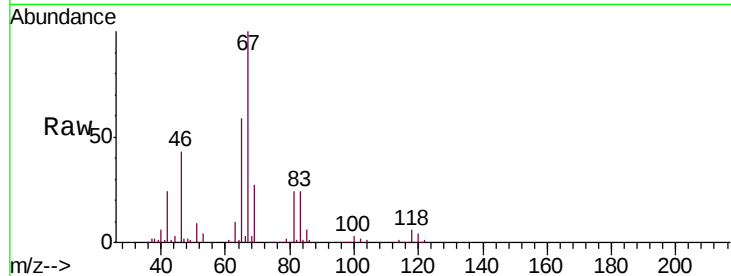




#35
Methylcyclohexane
Concen: 1.604 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032081.D
Acq: 17 May 2019 05:22

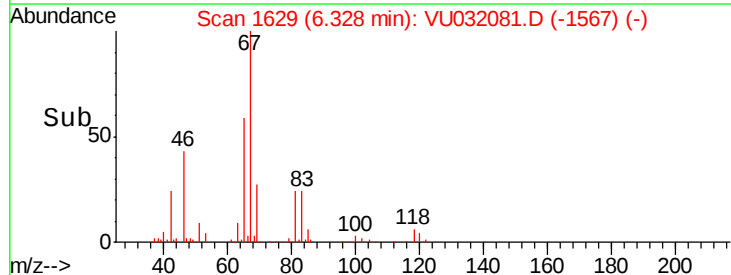
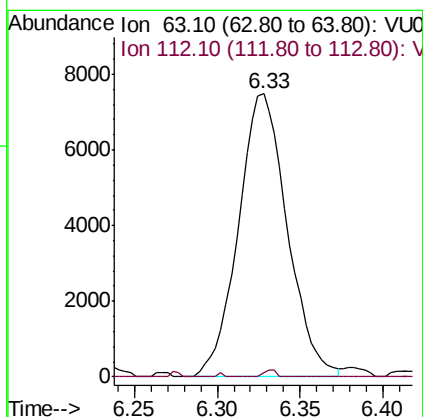
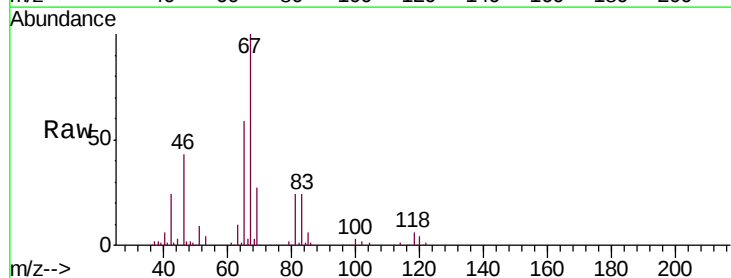
Instrument :
MSVOA_U
ClientSampleId :
F9W20

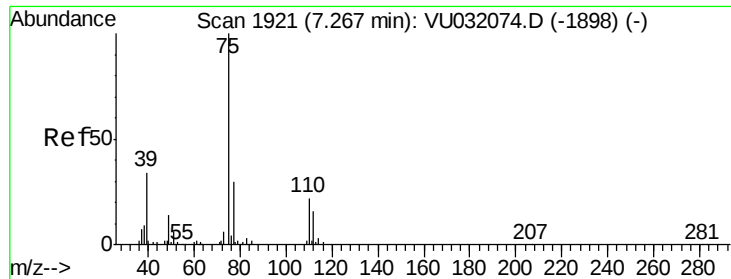
Tgt Ion: 83 Resp: 37353
Ion Ratio Lower Upper
83 100
55 0.0 59.7 89.5#
98 1.1 36.8 55.2#



#37
1,2-Dichloropropane
Concen: 1.055 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032081.D
Acq: 17 May 2019 05:22

Tgt Ion: 63 Resp: 15369
Ion Ratio Lower Upper
63 100
112 0.6 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.158 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032081.D

Acq: 17 May 2019 05:22

Instrument :

MSVOA_U

ClientSampleId :

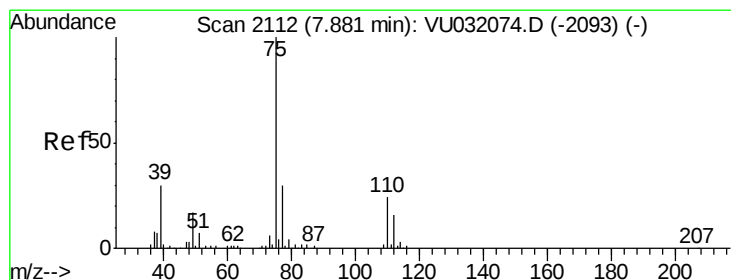
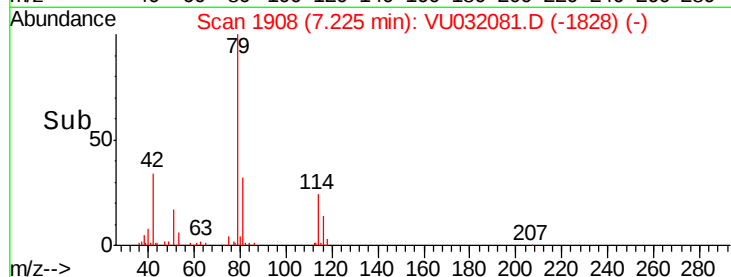
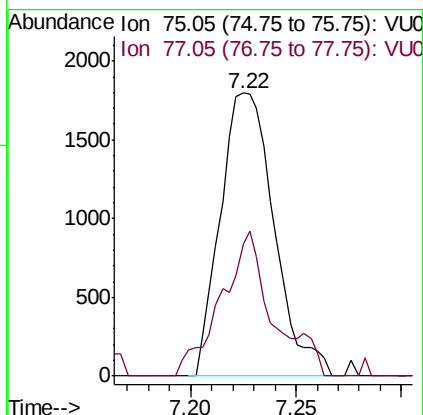
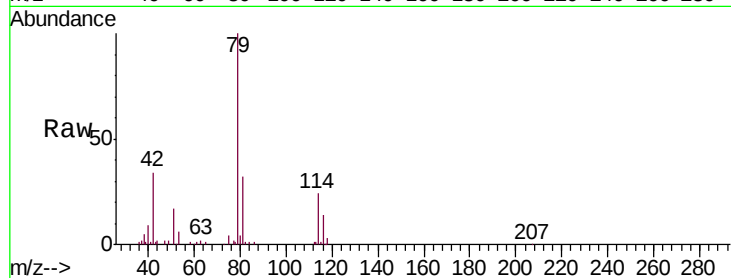
F9W20

Tgt Ion: 75 Resp: 3183

Ion Ratio Lower Upper

75 100

77 46.6 21.7 40.3#



#44

trans-1,3-Dichloropropene

Concen: 0.166 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032081.D

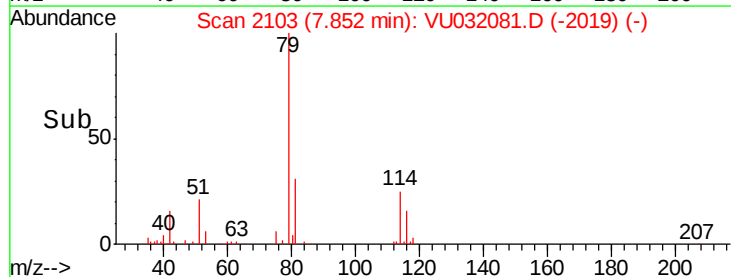
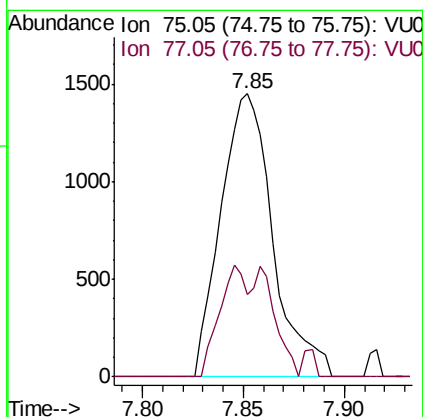
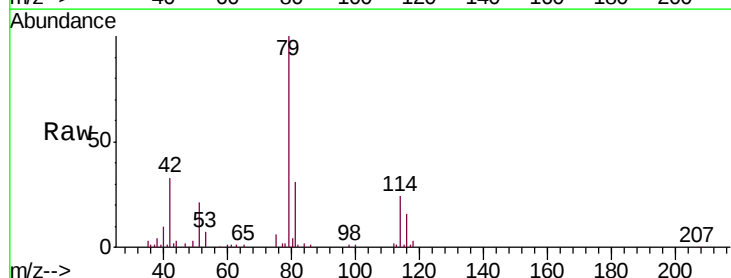
Acq: 17 May 2019 05:22

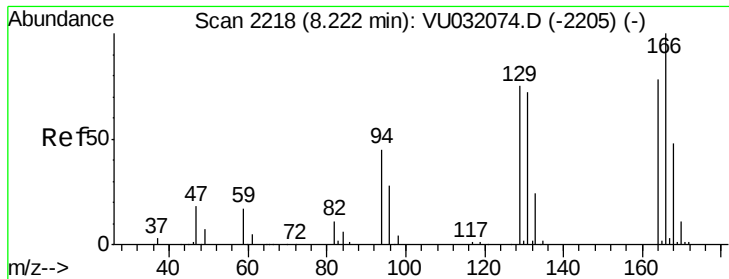
Tgt Ion: 75 Resp: 2602

Ion Ratio Lower Upper

75 100

77 29.1 21.0 39.0





#47

Tetrachloroethene

Concen: 0.764 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032081.D

Acq: 17 May 2019 05:22

Instrument :

MSVOA_U

ClientSampleId :

F9W20

Tgt Ion:164 Resp: 9229

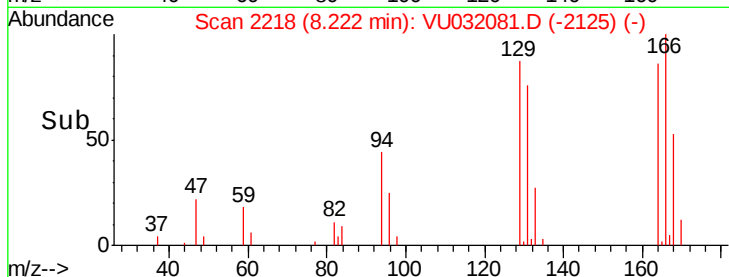
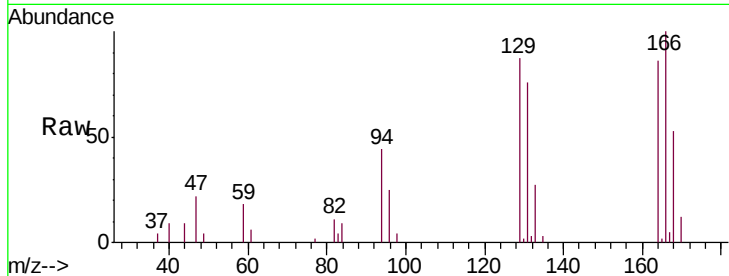
Ion Ratio Lower Upper

164 100

129 101.4 70.3 130.5

131 89.2 64.5 119.9

166 116.8 92.3 171.5

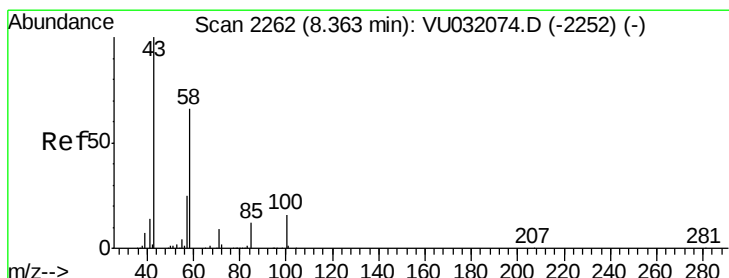
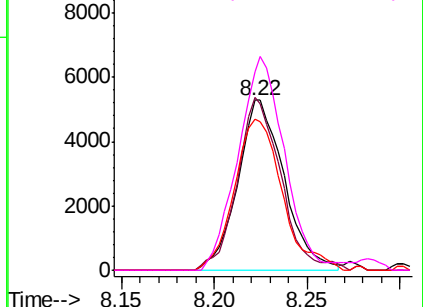


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.157 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VU032081.D

Acq: 17 May 2019 05:22

Tgt Ion: 43 Resp: 6063

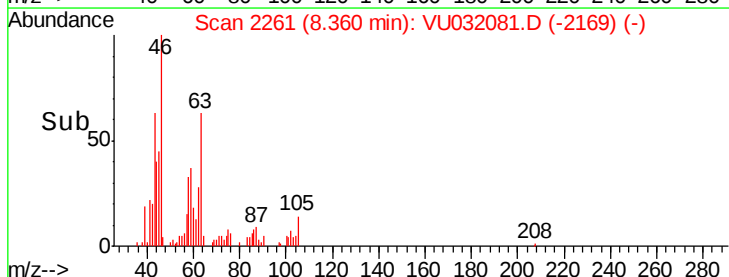
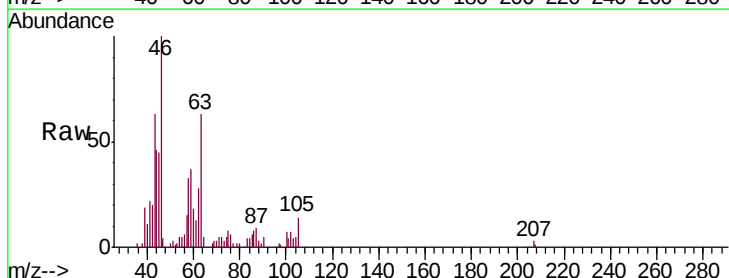
Ion Ratio Lower Upper

43 100

58 89.4 51.6 77.4#

57 7.9 18.4 27.6#

100 21.1 12.2 18.4#

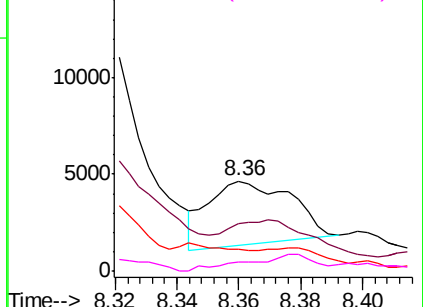


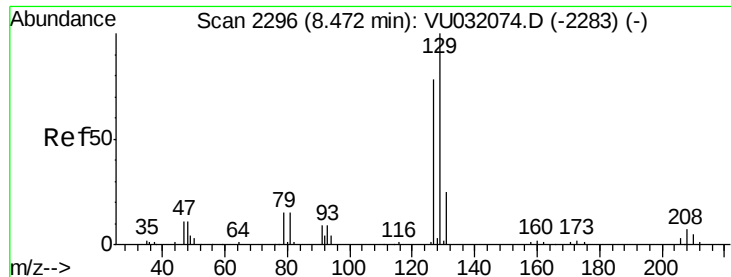
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.706 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032081.D

Acq: 17 May 2019 05:22

Instrument :

MSVOA_U

ClientSampleId :

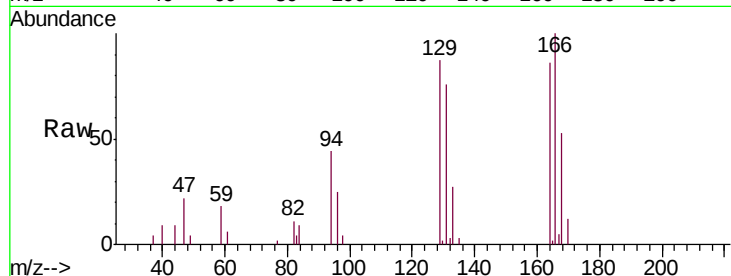
F9W20

Tgt Ion:129 Resp: 8754

Ion Ratio Lower Upper

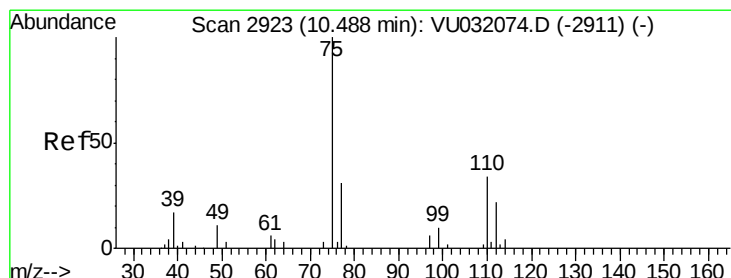
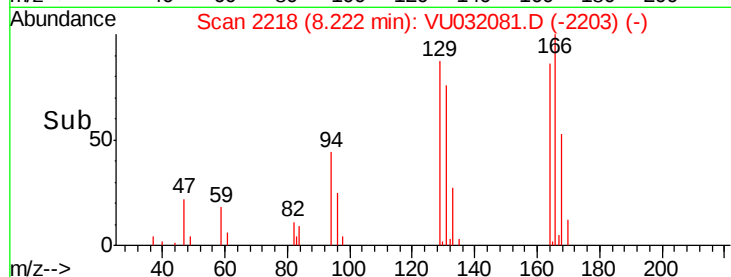
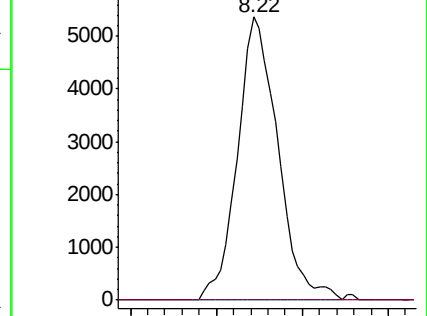
129 100

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



#59

1,2,3-Trichloropropane

Concen: 1.795 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032081.D

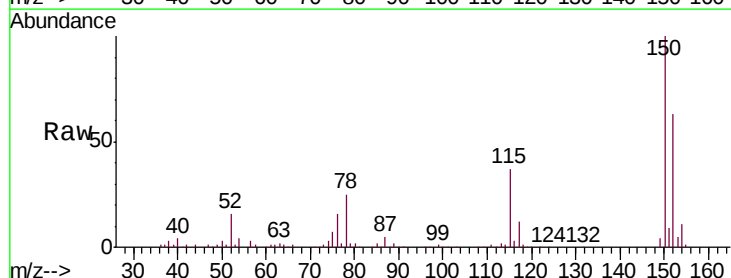
Acq: 17 May 2019 05:22

Tgt Ion: 75 Resp: 16619

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

