

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040828.D
 Acq On : 20 Oct 2020 01:00
 Operator : SY/MD
 Sample : L4420-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK6

Quant Time: Oct 20 05:21:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	104597	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114398	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43509	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26979	3.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.20%
7) Chloroethane-d5	1.93	69	28174	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.58	63	43938	2.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.80%#
20) 2-Butanone-d5	4.66	46	172879	62.33	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.66%
24) Chloroform-d	5.08	84	78203	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.72	65	49163	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.74	84	130843	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.70	67	48746	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.91	98	96380	3.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.80%#
43) trans-1,3-Dichloropropene-	8.19	79	17919	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.64	63	118680	53.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47796	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	44031	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1820	0.205 ug/L	89
9) Trichlorofluoromethane	2.15	101	632	0.047 ug/L #	82
13) Acetone	2.67	43	1803	0.839 ug/L	61
22) cis-1,2-Dichloroethene	4.68	96	597	0.071 ug/L	91
25) Chloroform	5.10	83	1194	0.072 ug/L #	72
33) Benzene	5.75	78	1052	0.029 ug/L	100
35) Methylcyclohexane	6.70	83	11191	0.828 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5477	0.535 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1350	0.096 ug/L #	76
42) Toluene	7.97	91	2083	0.056 ug/L	96
44) trans-1,3-Dichloropropene	8.19	75	1085	0.084 ug/L #	66
45) 1,1,2-Trichloroethane	8.56	97	1333	0.174 ug/L #	2
47) Tetrachloroethene	8.56	164	132000	19.421 ug/L	95
49) Dibromochloromethane	8.56	129	126755	14.364 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	5759	0.766 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101920\
Data File : VU040828.D
Acq On : 20 Oct 2020 01:00
Operator : SY/MD
Sample : L4420-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AK6

Quant Time: Oct 20 05:21:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 05:12:18 2020
Response via : Initial Calibration

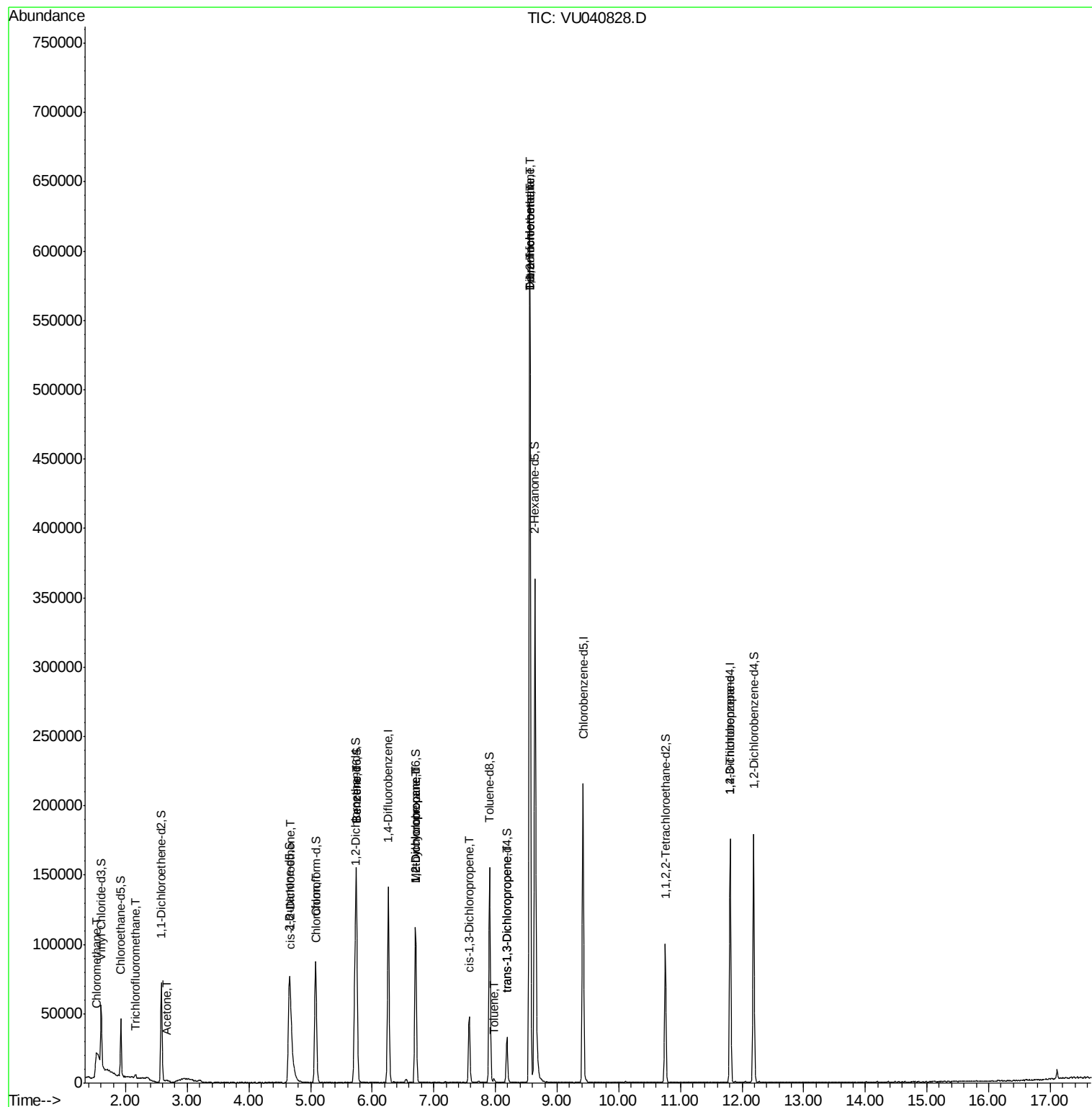
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

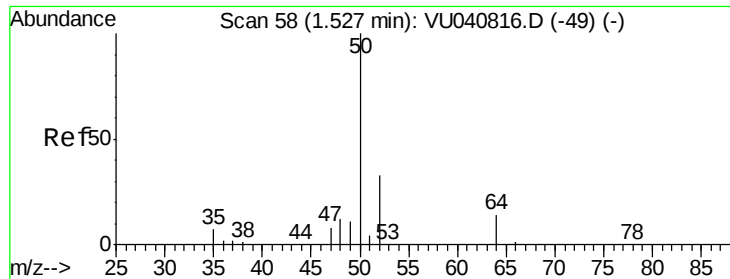
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101920\
Data File : VU040828.D
Acq On : 20 Oct 2020 01:00
Operator : SY/MD
Sample : L4420-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AK6

Quant Time: Oct 20 05:21:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 05:12:18 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.205 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040828.D

Acq: 20 Oct 2020 01:00

Instrument :

MSVOA_U

ClientSampleId :

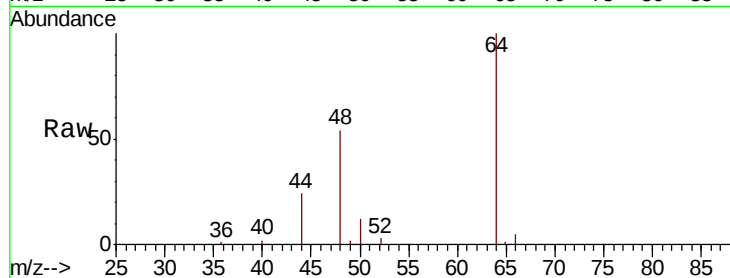
C0AK6

Tot Ion: 50 Resp: 1820

Ion Ratio Lower Upper

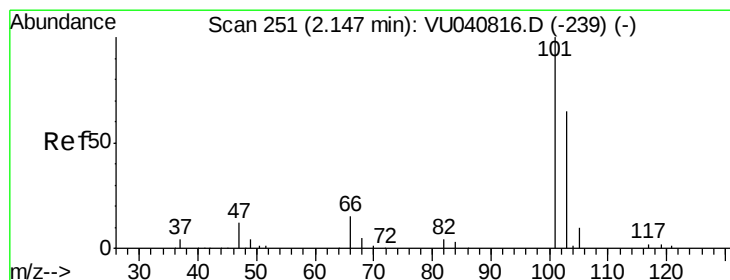
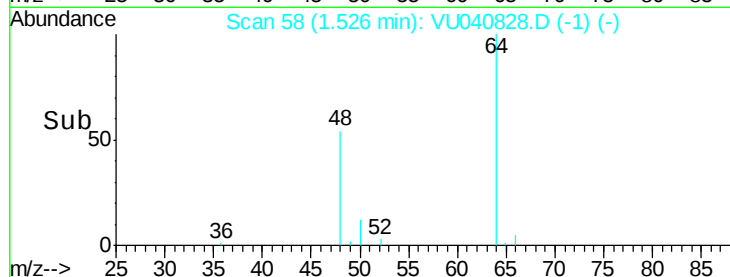
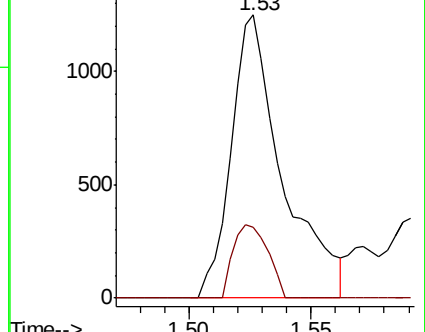
50 100

52 25.0 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040828.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040828.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 0.047 ug/L

RT: 2.15 min Scan# 253

Delta R.T. 0.01 min

Lab File: VU040828.D

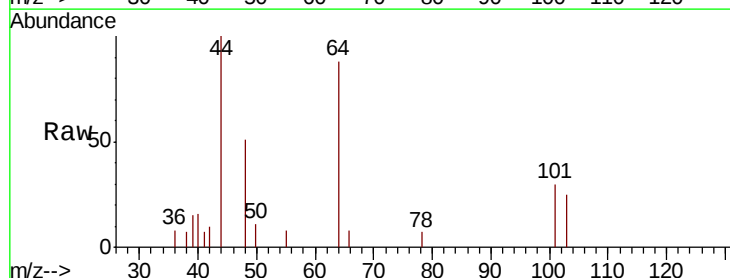
Acq: 20 Oct 2020 01:00

Tgt Ion:101 Resp: 632

Ion Ratio Lower Upper

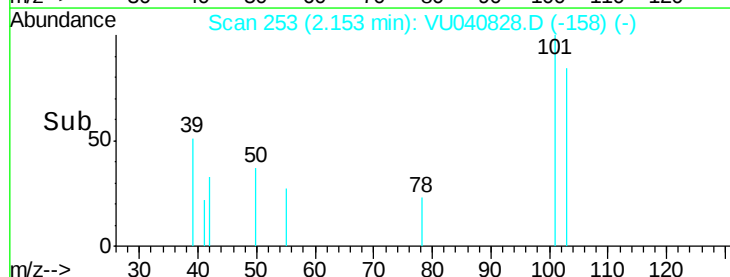
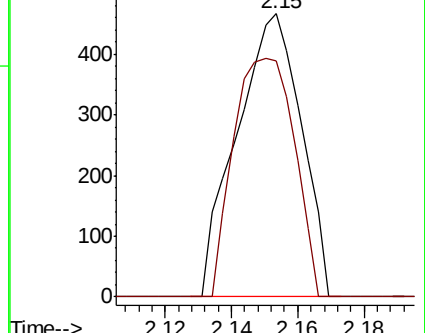
101 100

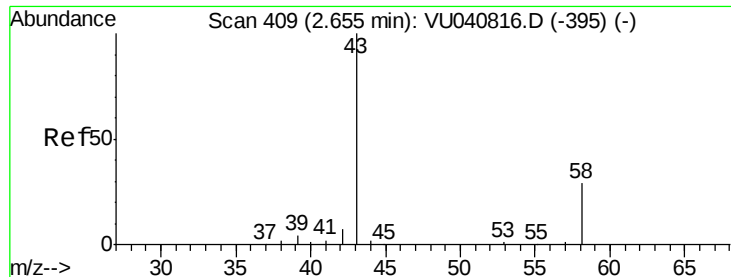
103 79.4 52.2 78.4#



Abundance Ion 101.00 (100.70 to 101.70): VU040828.D (-158) (-)

Ion 103.00 (102.70 to 103.70): VU040828.D (-158) (-)





#13

Acetone

Concen: 0.839 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.02 min

Lab File: VU040828.D

Acq: 20 Oct 2020 01:00

Instrument :

MSVOA_U

ClientSampled :

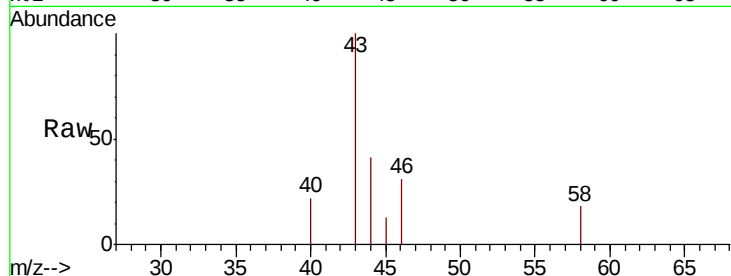
C0AK6

Tot Ion: 43 Resp: 1803

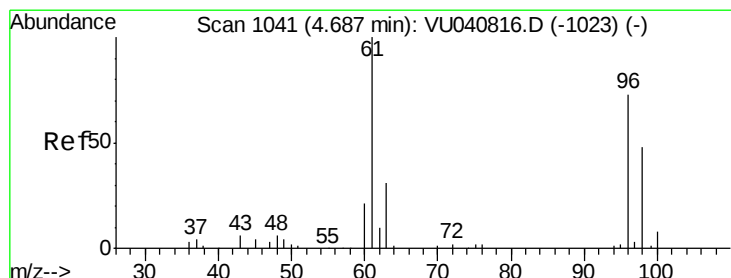
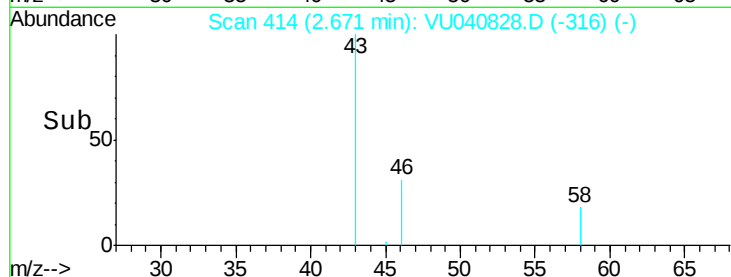
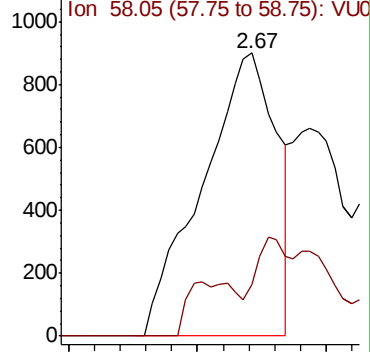
Ion Ratio Lower Upper

43 100

58 9.0 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040828.D (-316) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.071 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040828.D

Acq: 20 Oct 2020 01:00

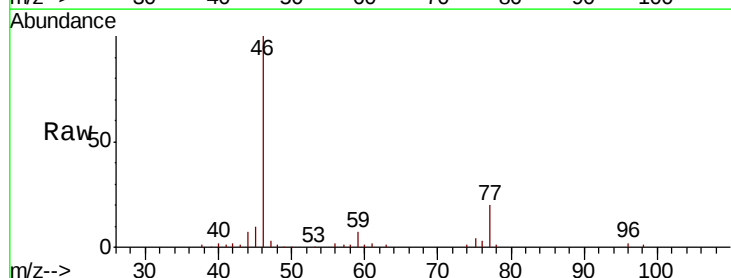
Tgt Ion: 96 Resp: 597

Ion Ratio Lower Upper

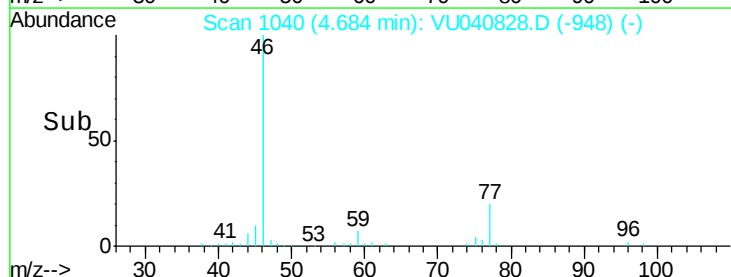
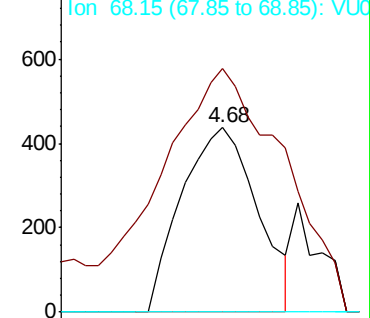
96 100

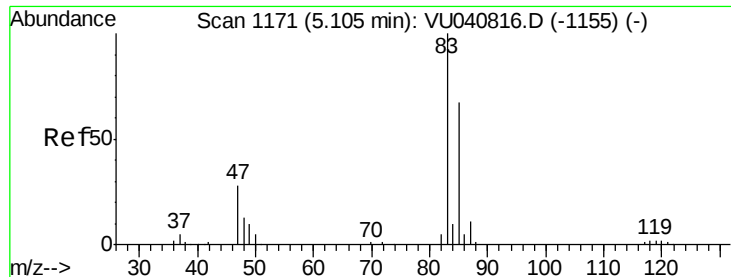
61 132.0 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040828.D (-948) (-)

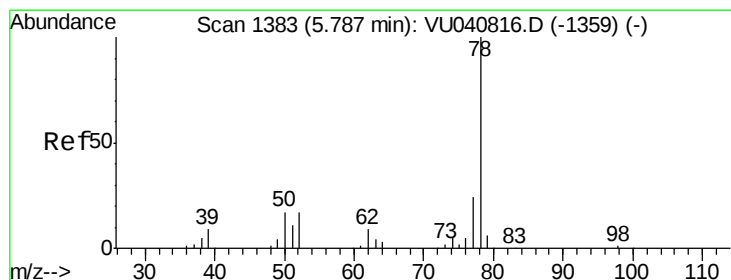
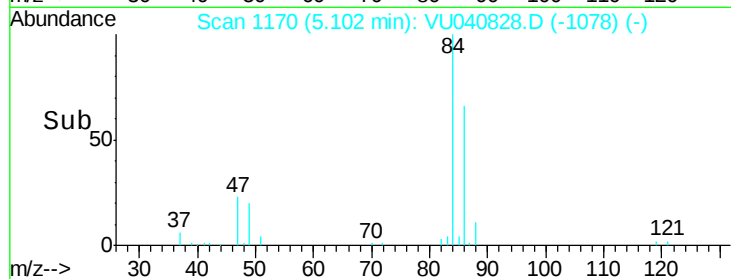
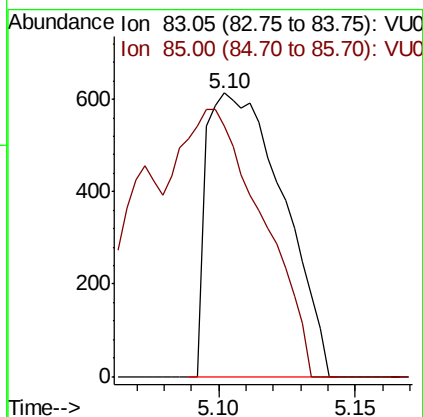
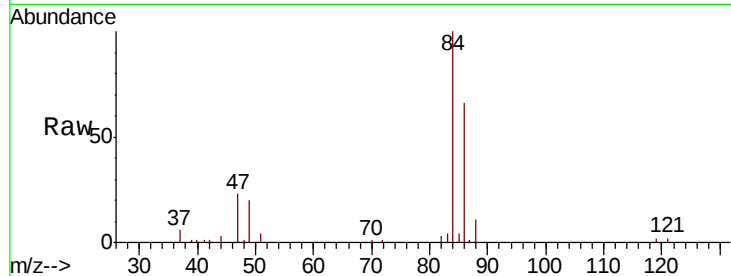




#25
Chloroform
Concen: 0.072 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040828.D
Acq: 20 Oct 2020 01:00

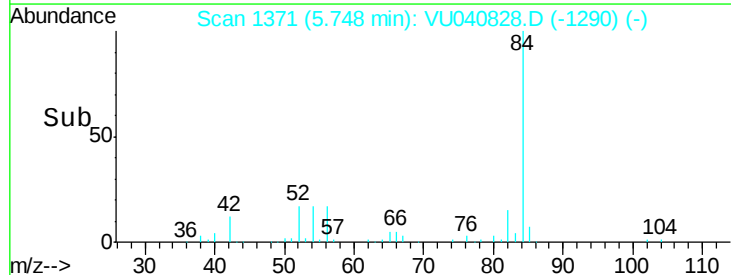
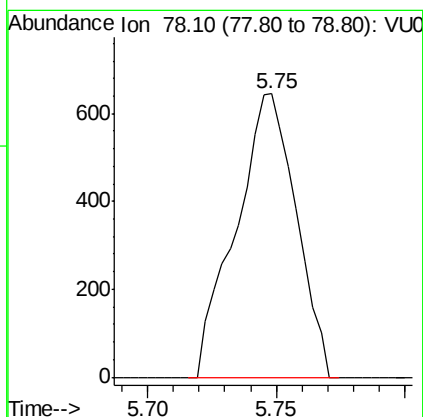
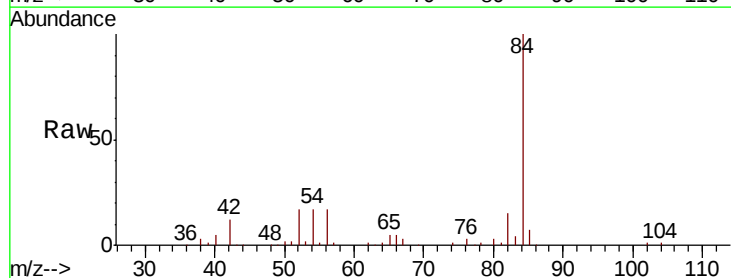
Instrument :
MSVOA_U
ClientSampleId :
C0AK6

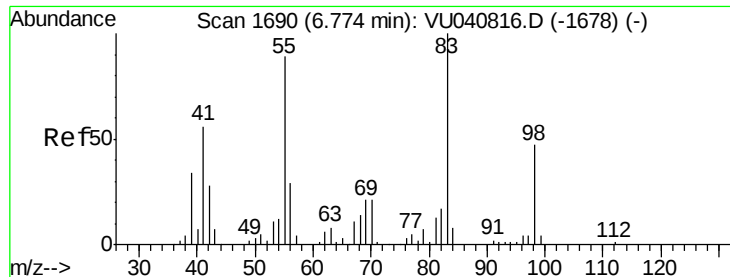
Tot Ion: 83 Resp: 1194
Ion Ratio Lower Upper
83 100
85 88.6 46.5 86.5#



#33
Benzene
Concen: 0.029 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.04 min
Lab File: VU040828.D
Acq: 20 Oct 2020 01:00

Tgt Ion: 78 Resp: 1052

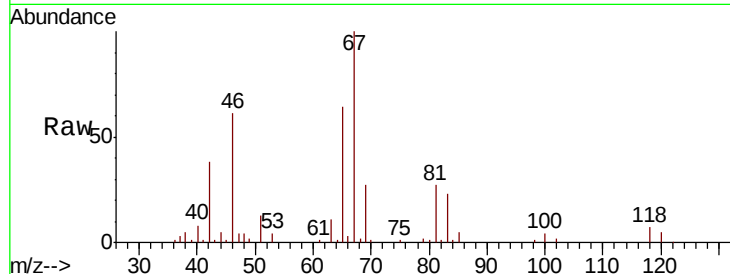




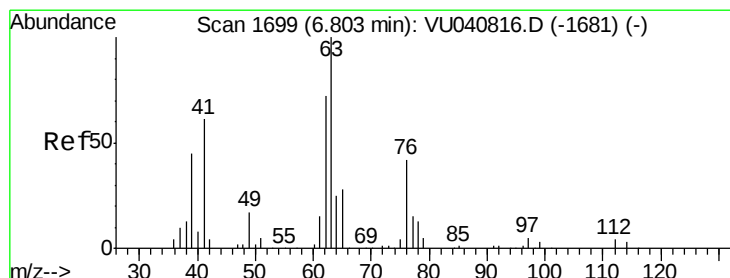
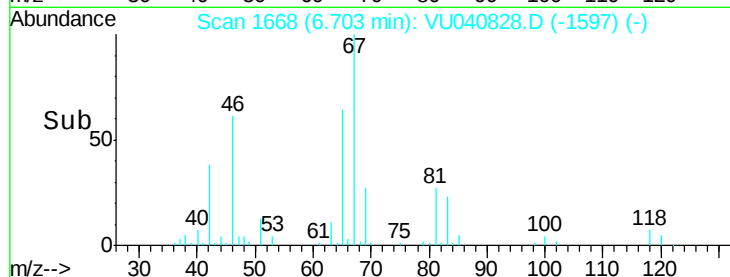
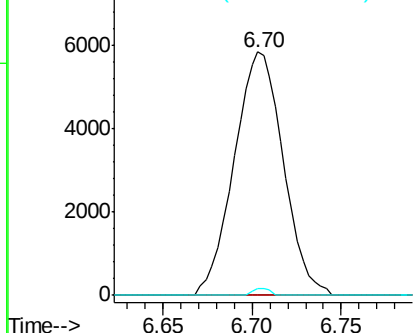
#35
Methvlcvclohexane
Concen: 0.828 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040828.D
Acq: 20 Oct 2020 01:00

Instrument :
MSVOA_U
ClientSampleId :
C0AK6

Tot Ion: 83 Resp: 11191
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 1.0 38.4 57.6#

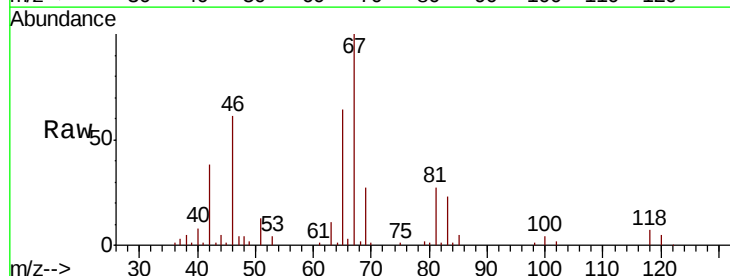


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

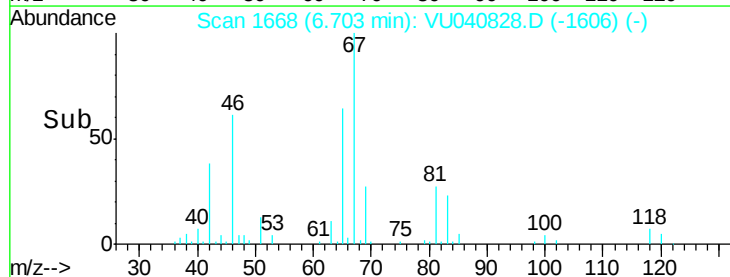
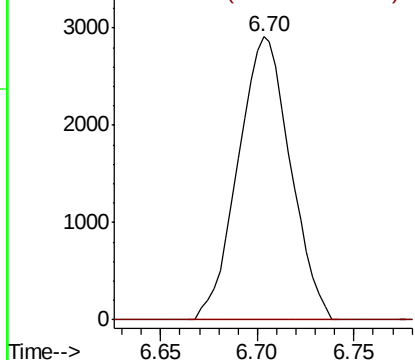


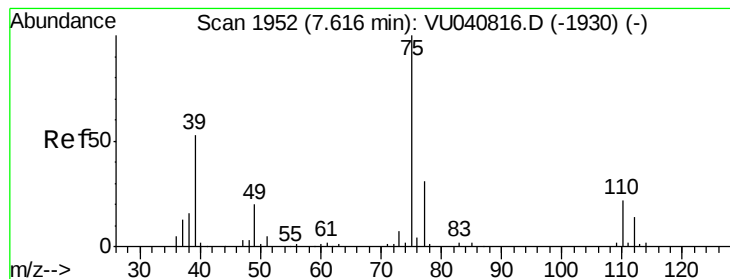
#37
1,2-Dichloropropane
Concen: 0.535 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040828.D
Acq: 20 Oct 2020 01:00

Tgt Ion: 63 Resp: 5477
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: 0.096 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040828.D

Acq: 20 Oct 2020 01:00

Instrument :

MSVOA_U

ClientSampled :

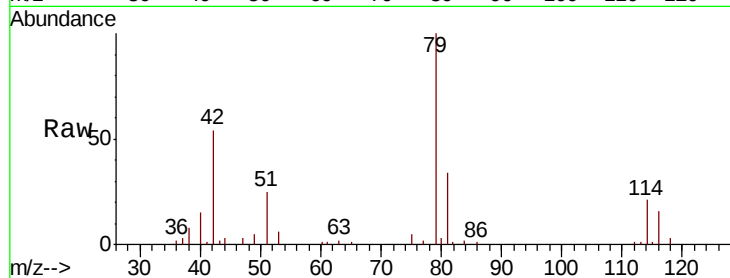
C0AK6

Tot Ion: 75 Resp: 1350

Ion Ratio Lower Upper

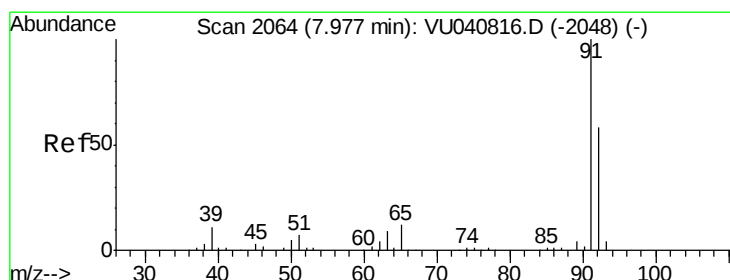
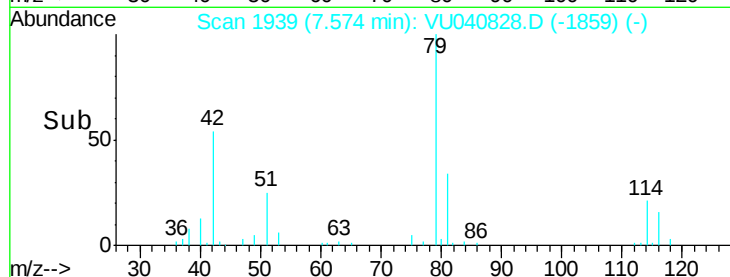
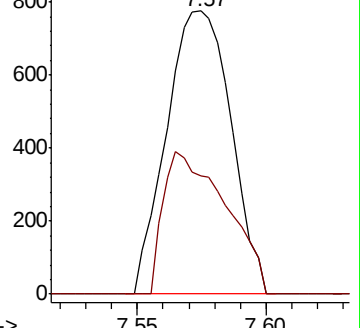
75 100

77 41.9 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#42

Toluene

Concen: 0.056 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040828.D

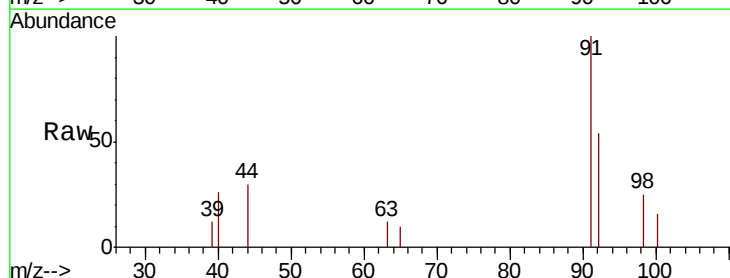
Acq: 20 Oct 2020 01:00

Tgt Ion: 91 Resp: 2083

Ion Ratio Lower Upper

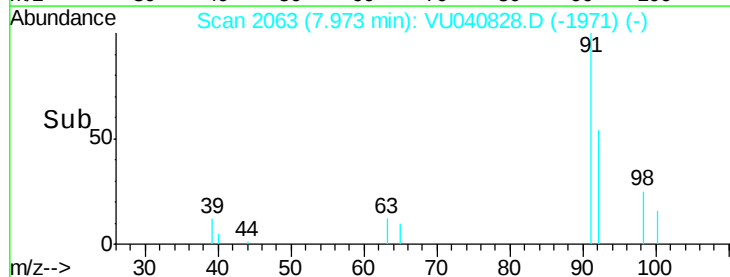
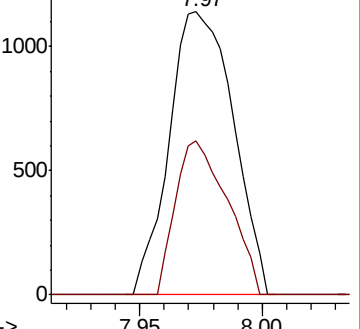
91 100

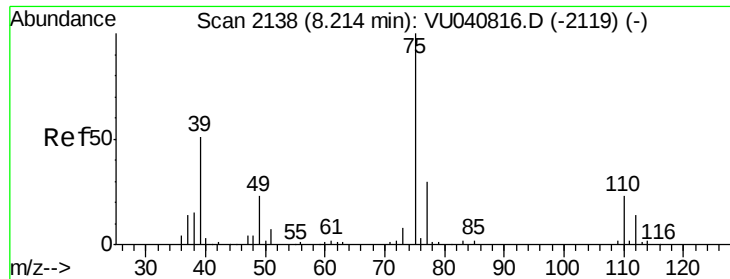
92 54.3 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040828.D

Acq: 20 Oct 2020 01:00

Instrument :

MSVOA_U

ClientSampleId :

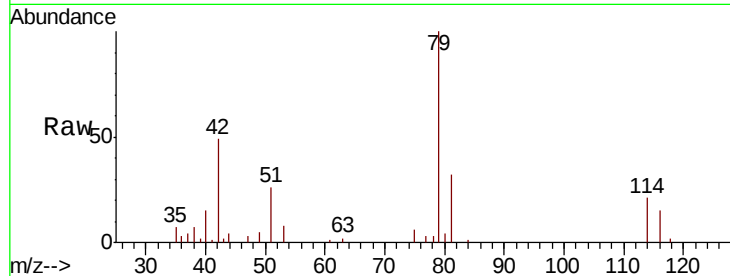
C0AK6

Tot Ion: 75 Resp: 1085

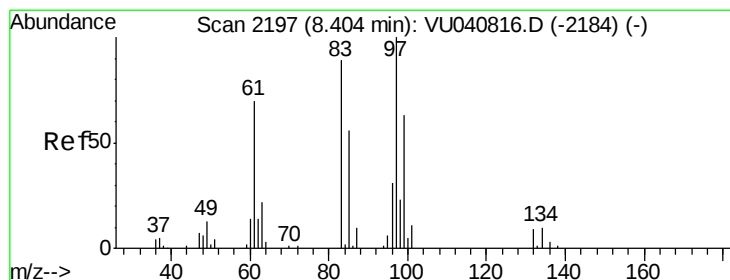
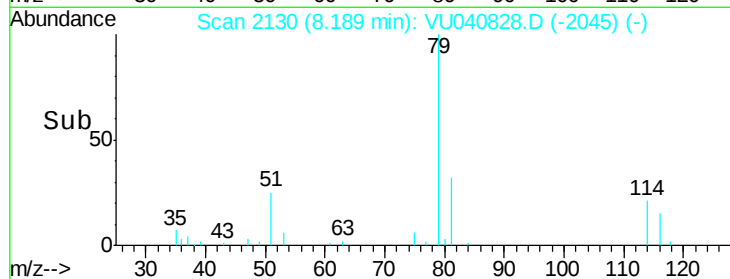
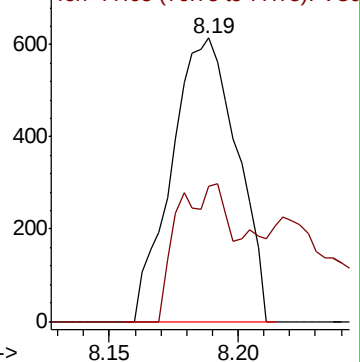
Ion Ratio Lower Upper

75 100

77 47.6 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040828.D (-2045) (-)



#45

1,1,2-Trichloroethane

Concen: 0.174 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU040828.D

Acq: 20 Oct 2020 01:00

Tgt Ion: 97 Resp: 1333

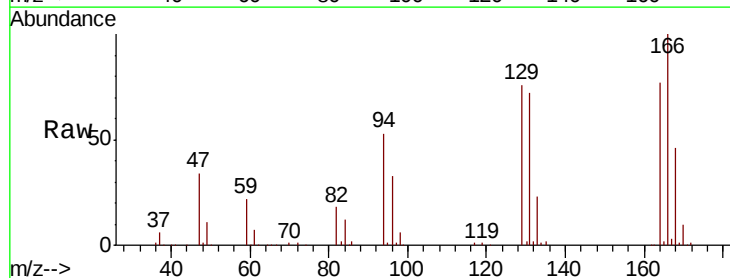
Ion Ratio Lower Upper

97 100

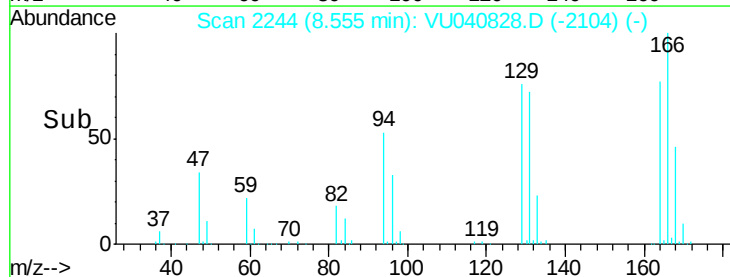
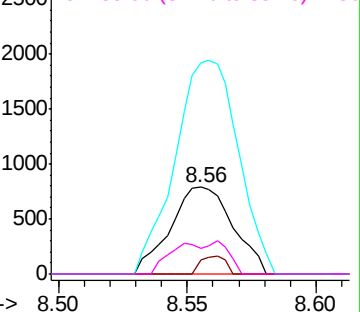
99 15.6 44.0 81.6#

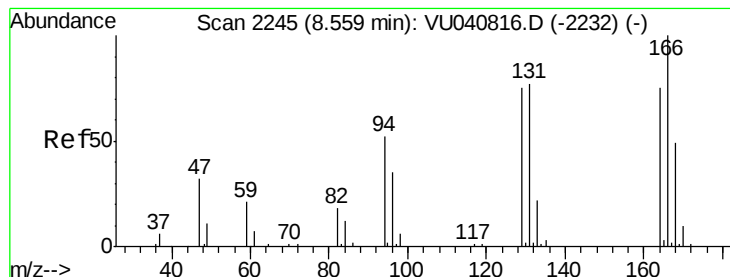
83 243.5 62.9 116.9#

85 29.7 40.3 74.8#



Abundance Ion 96.95 (96.65 to 97.65): VU040828.D (-2104) (-)





#47

Tetrachloroethene

Concen: 19.421 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040828.D

Acq: 20 Oct 2020 01:00

Instrument :

MSVOA_U

ClientSampleId :

C0AK6

Tot Ion:164 Resp: 132000

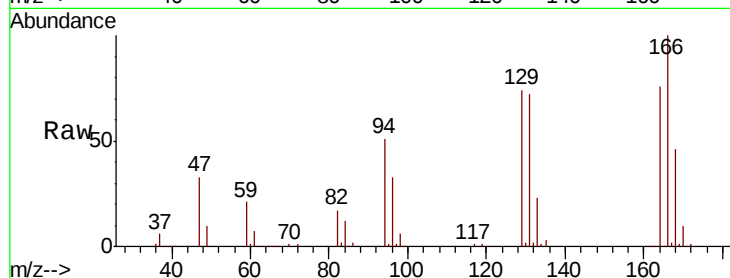
Ion Ratio Lower Upper

164 100

129 97.4 68.8 127.8

131 93.6 66.7 123.9

166 130.9 83.9 155.7

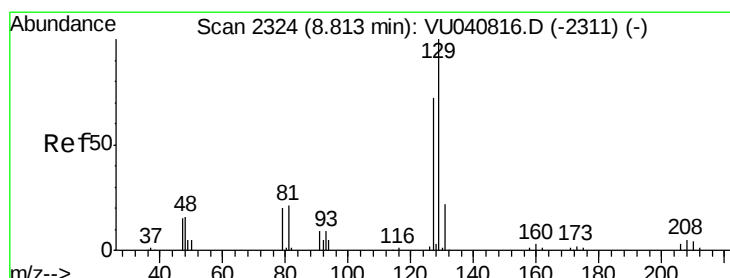
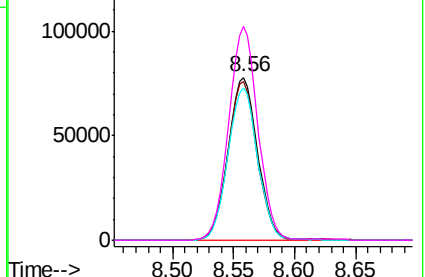
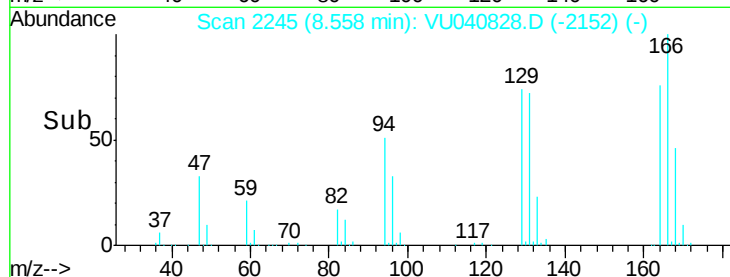


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 14.364 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040828.D

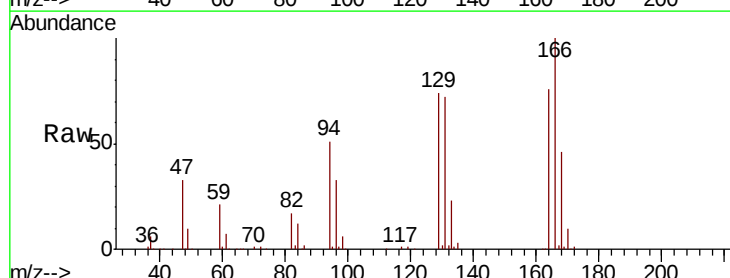
Acq: 20 Oct 2020 01:00

Tgt Ion:129 Resp: 126755

Ion Ratio Lower Upper

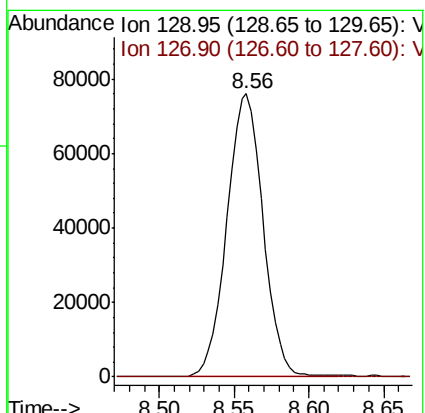
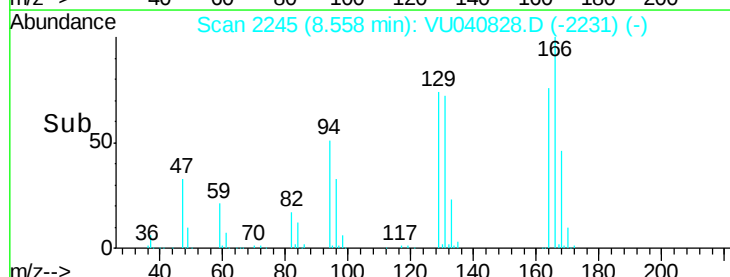
129 100

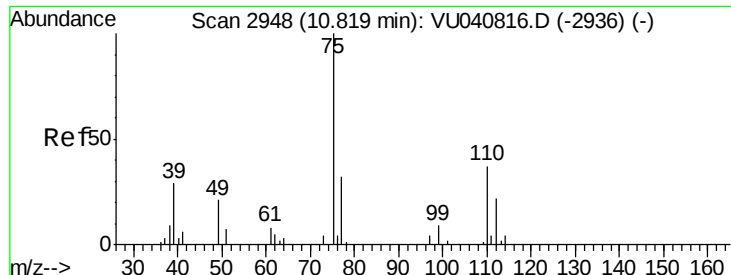
127 0.0 55.8 103.6#



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: 0.766 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040828.D

Acq: 20 Oct 2020 01:00

Instrument :

MSVOA_U

ClientSampleId :

C0AK6

Tot Ion: 75 Resp: 5759

Ion Ratio Lower Upper

75 100

77 37.4 26.4 39.6

