

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040743.D
 Acq On : 16 Oct 2020 12:51
 Operator : SY/MD
 Sample : L4419-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH2

Quant Time: Oct 16 23:40:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 23:38:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	105679	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110895	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45730	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37517	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.92	69	35891	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.58	63	59233	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.66	46	158439	56.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.08%
24) Chloroform-d	5.08	84	83277	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.72	65	51915	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.75	84	147250	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	53536	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.91	98	110346	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	8.19	79	17802	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.64	63	104043	48.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46664	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	45211	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

				Ovalue
3) Chloromethane	1.53	50	433	0.048 ug/L # 81
8) Chloroethane	1.96	64	191	0.032 ug/L # 41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	440	0.050 ug/L # 20
12) 1,1-Dichloroethene	2.58	96	439	0.058 ug/L # 1
15) Methyl Acetate	2.98	43	611	0.123 ug/L # 56
16) Methylene chloride	3.06	84	1793	0.185 ug/L # 84
25) Chloroform	5.11	83	2933	0.176 ug/L # 87
27) 1,2-Dichloroethane	5.75	62	1040	0.088 ug/L # 77
35) Methylcyclohexane	6.70	83	12387	0.946 ug/L # 14
37) 1,2-Dichloropropane	6.70	63	5755	0.580 ug/L # 87
39) cis-1,3-Dichloropropene	7.57	75	1202	0.089 ug/L # 62
44) trans-1,3-Dichloropropene	8.18	75	891	0.071 ug/L # 90
47) Tetrachloroethene	8.56	164	745	0.113 ug/L # 81
48) 2-Hexanone	8.64	43	14257	2.420 ug/L # 75
49) Dibromochloromethane	8.55	129	776	0.091 ug/L # 9
59) 1,2,3-Trichloropropane	11.81	75	6350	0.871 ug/L # 99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 16 23:38:52 2020
Response via : Initial Calibration

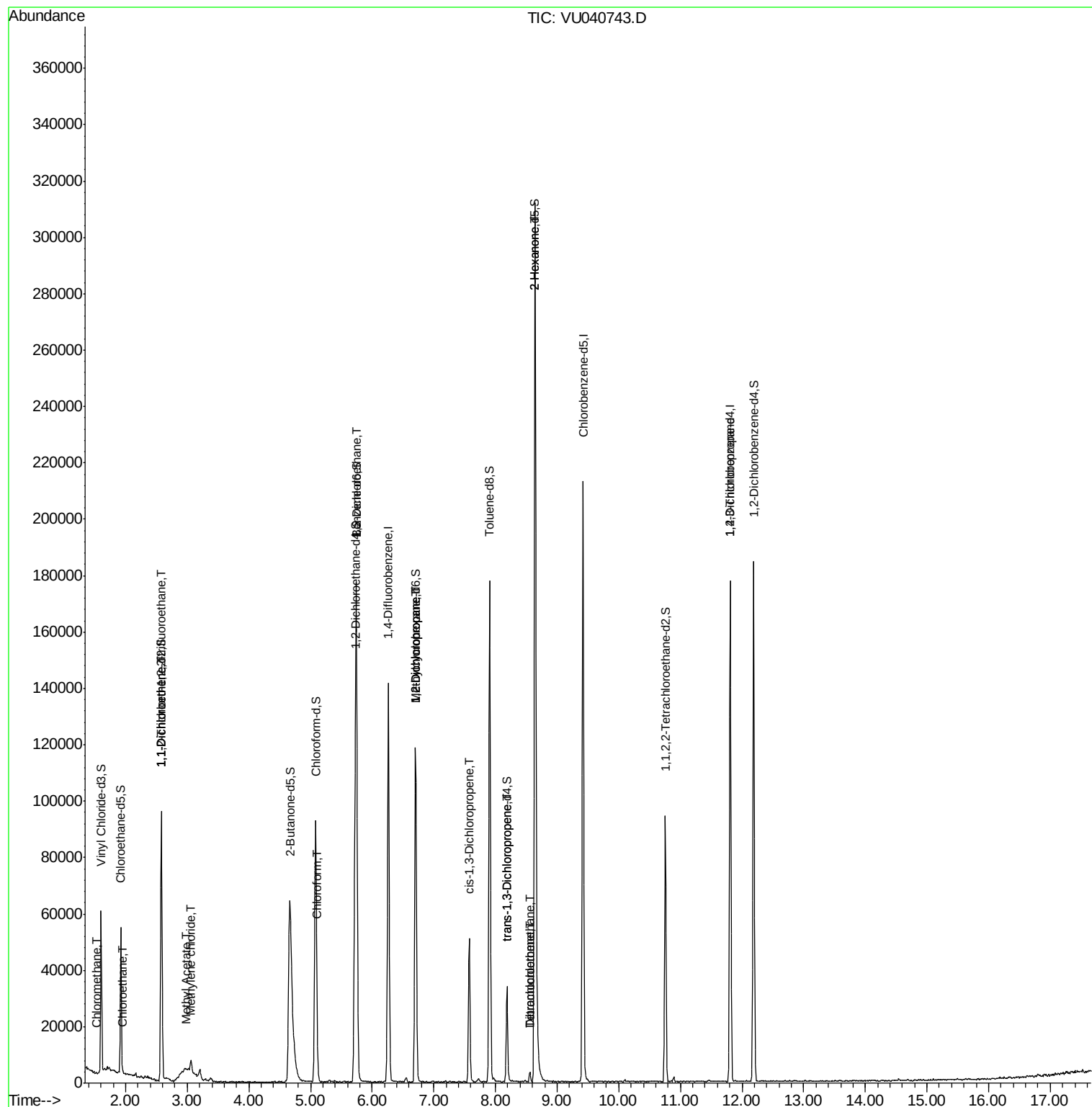
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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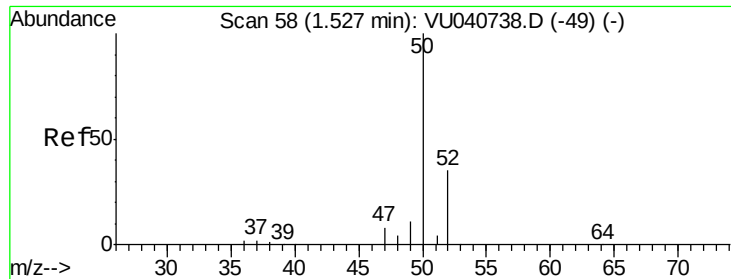
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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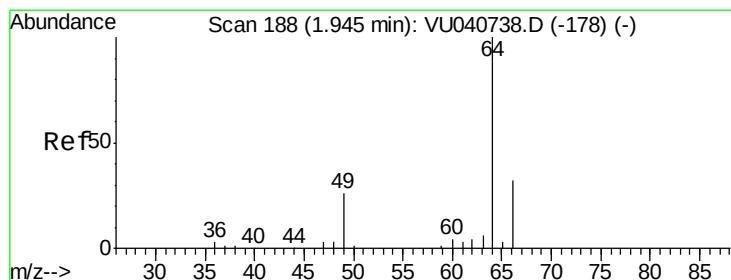
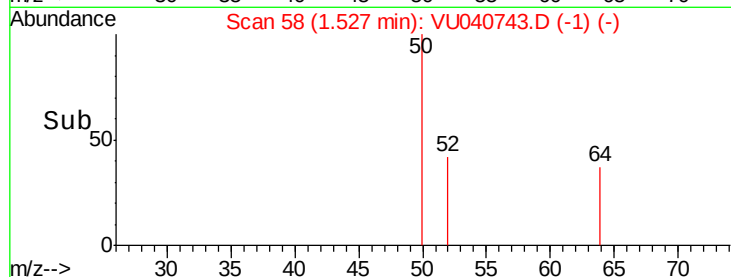
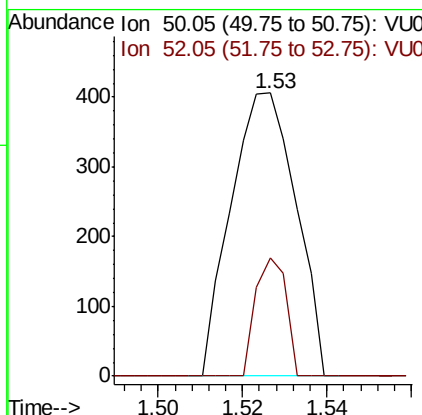
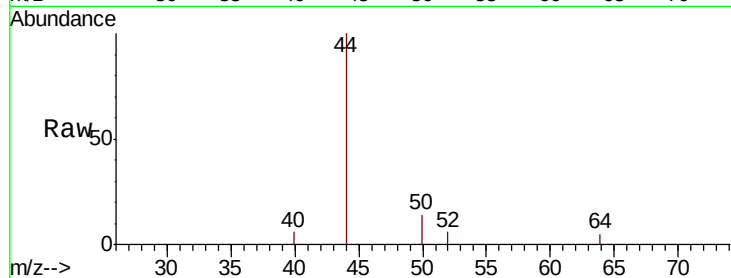




#3
Chloromethane
Concen: 0.048 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU040743.D
Acq: 16 Oct 2020 12:51

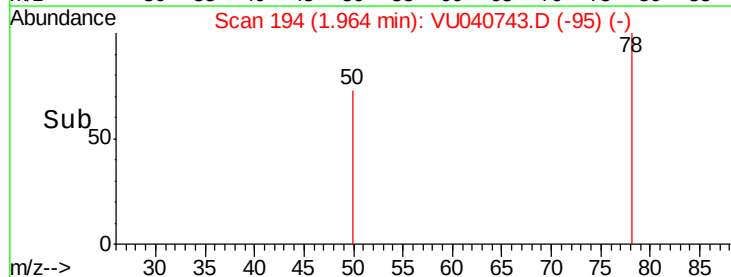
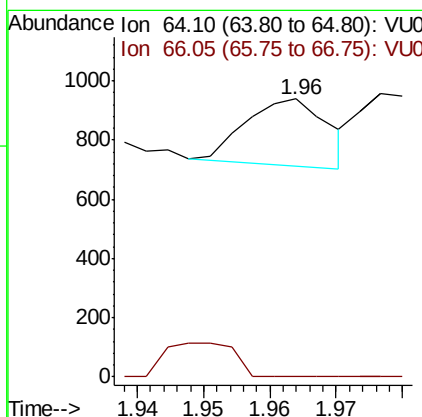
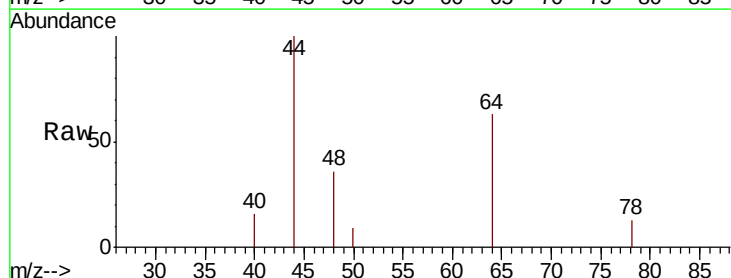
Instrument :
MSVOA_U
ClientSampleId :
C0AH2

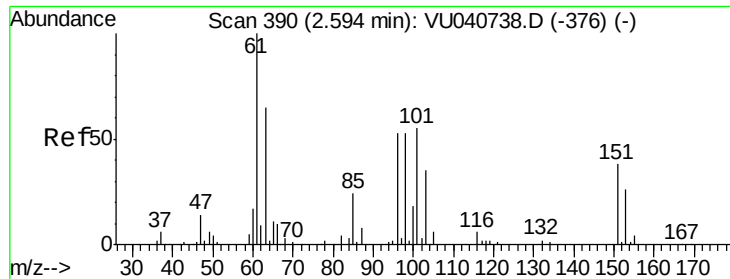
Tot Ion: 50 Resp: 433
Ion Ratio Lower Upper
50 100
52 41.6 21.9 40.7#



#8
Chloroethane
Concen: 0.032 ug/L
RT: 1.96 min Scan# 194
Delta R.T. 0.02 min
Lab File: VU040743.D
Acq: 16 Oct 2020 12:51

Tgt Ion: 64 Resp: 191
Ion Ratio Lower Upper
64 100
66 0.0 23.3 43.3#





#10

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

Concen: 0.050 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040743.D

Acq: 16 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

C0AH2

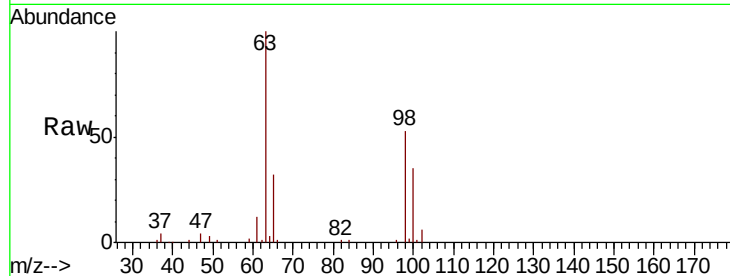
Tot Ion:101 Resp: 440

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

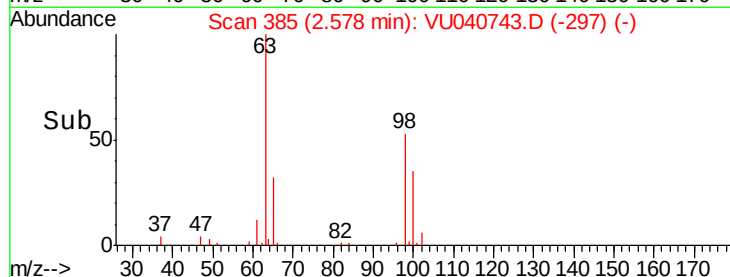
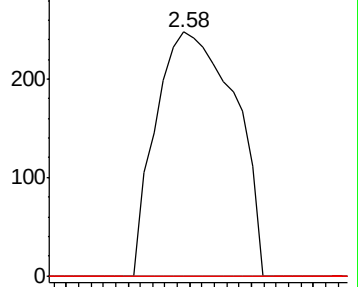
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.058 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040743.D

Acq: 16 Oct 2020 12:51

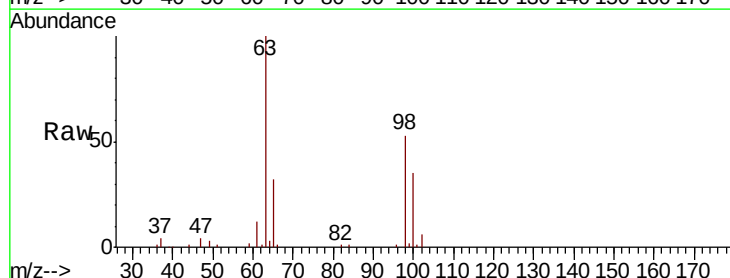
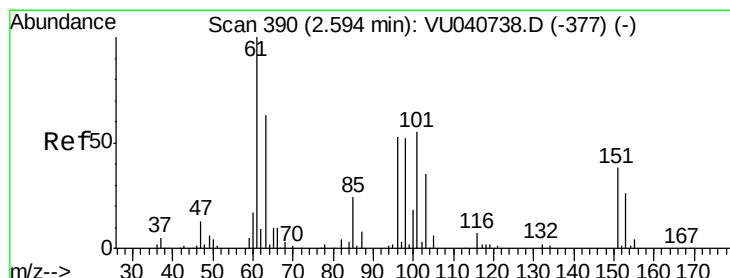
Tgt Ion: 96 Resp: 439

Ion Ratio Lower Upper

96 100

61 1479.5 128.8 239.2#

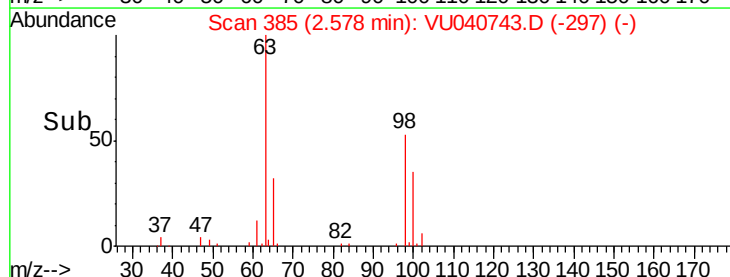
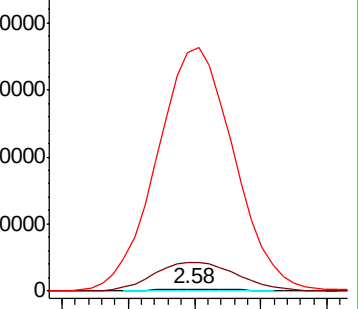
63 12202.7 84.6 157.2#

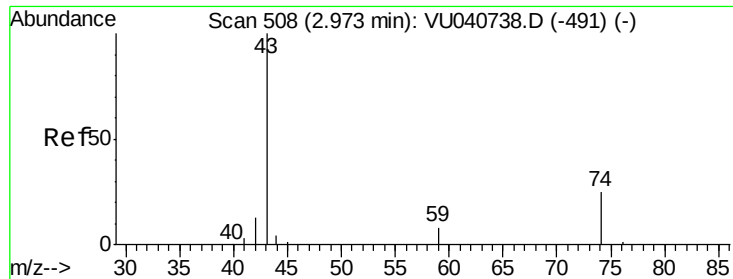


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

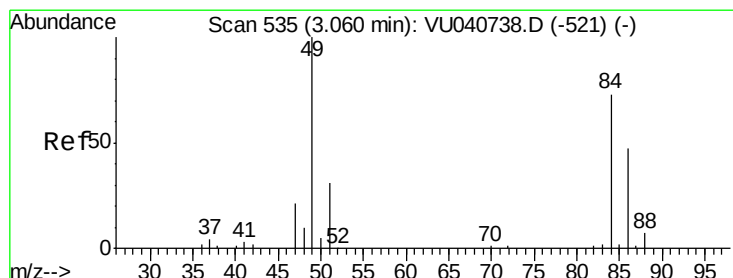
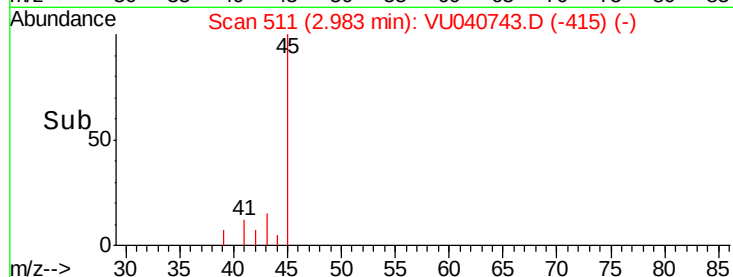
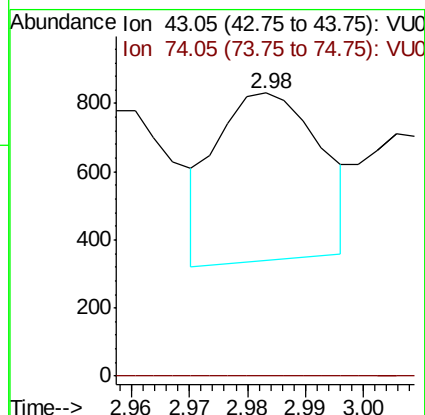
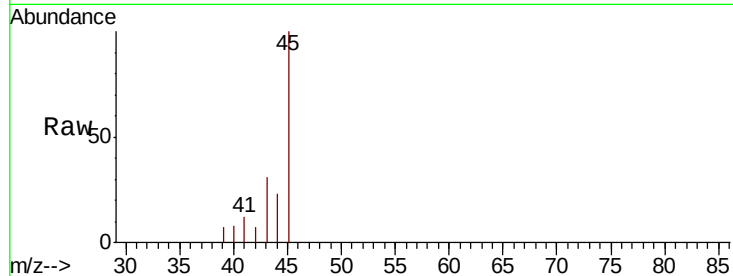




#15
Methvl Acetate
Concen: 0.123 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.01 min
Lab File: VU040743.D
Acq: 16 Oct 2020 12:51

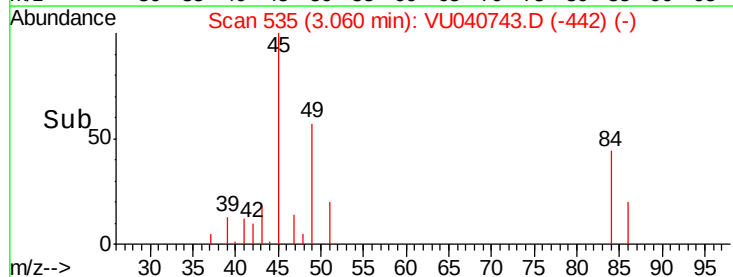
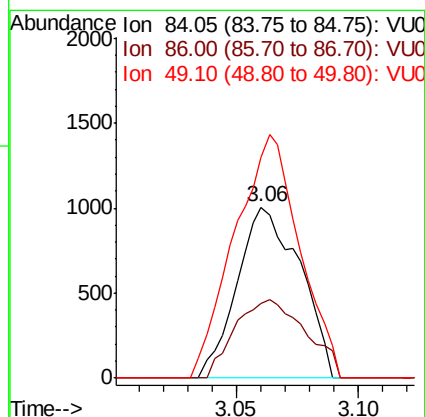
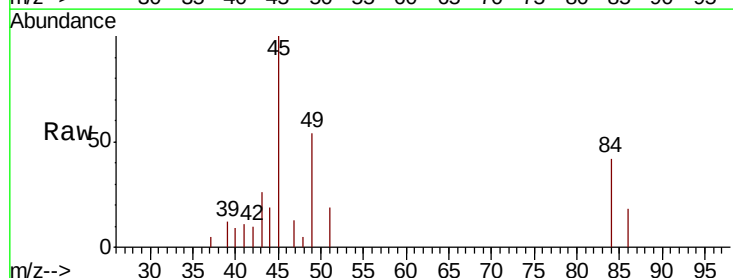
Instrument :
MSVOA_U
ClientSampleId :
C0AH2

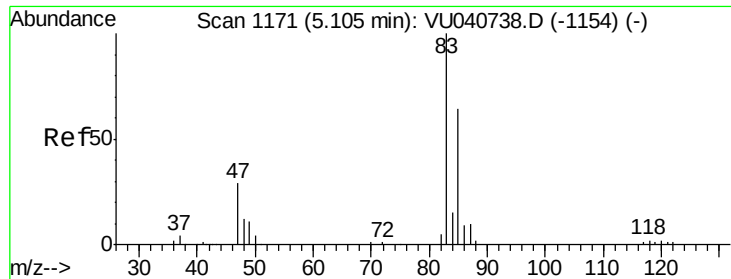
Tot Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#16
Methylene chloride
Concen: 0.185 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040743.D
Acq: 16 Oct 2020 12:51

Tgt Ion: 84 Resp: 1793
Ion Ratio Lower Upper
84 100
86 43.8 45.4 84.4#
49 128.8 99.8 185.3

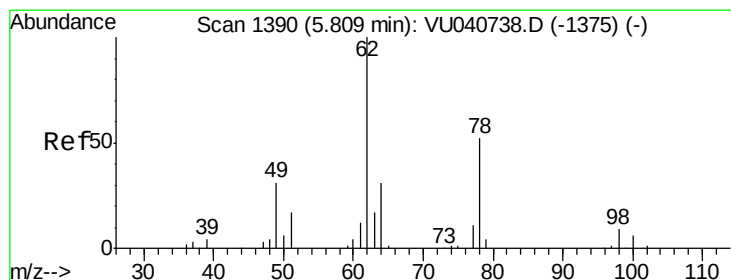
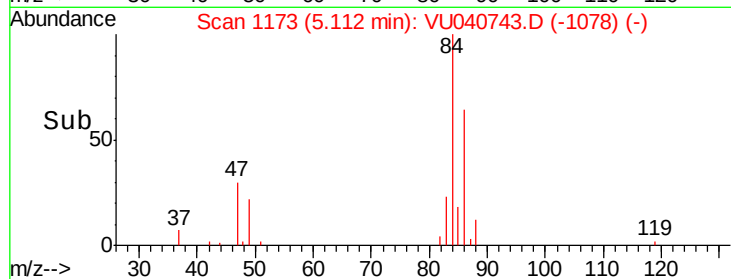
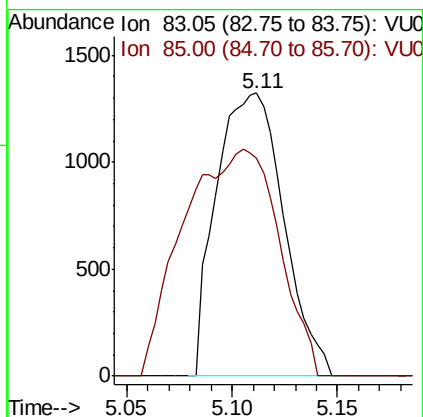
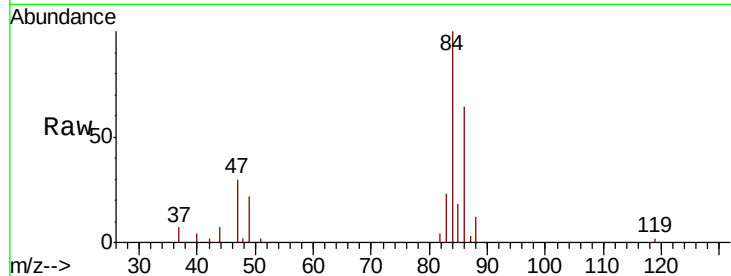




#25
Chloroform
Concen: 0.176 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040743.D
Acq: 16 Oct 2020 12:51

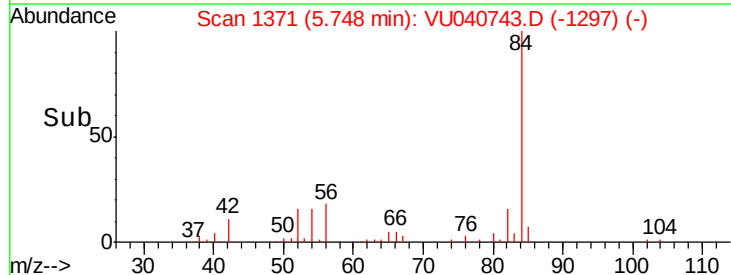
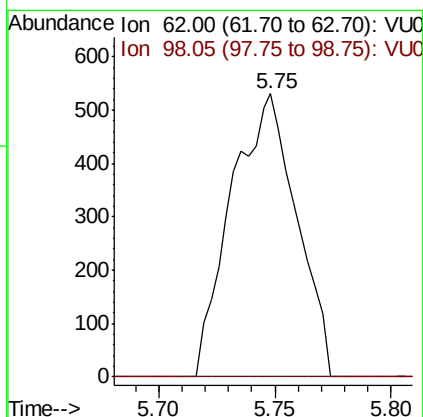
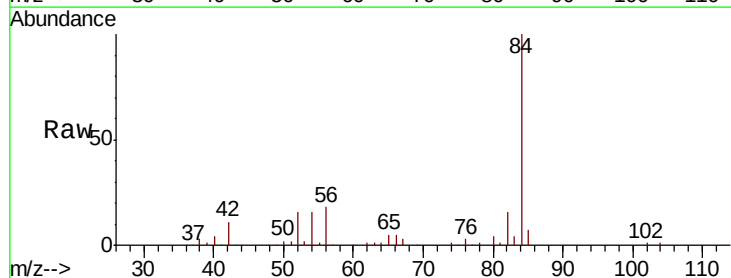
Instrument :
MSVOA_U
ClientSampled :
C0AH2

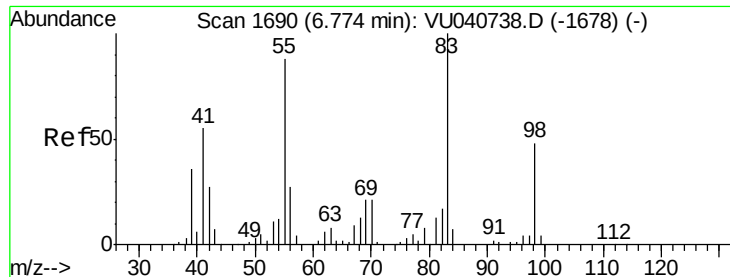
Tot Ion: 83 Resp: 2933
Ion Ratio Lower Upper
83 100
85 76.9 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.088 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.06 min
Lab File: VU040743.D
Acq: 16 Oct 2020 12:51

Tgt Ion: 62 Resp: 1040
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

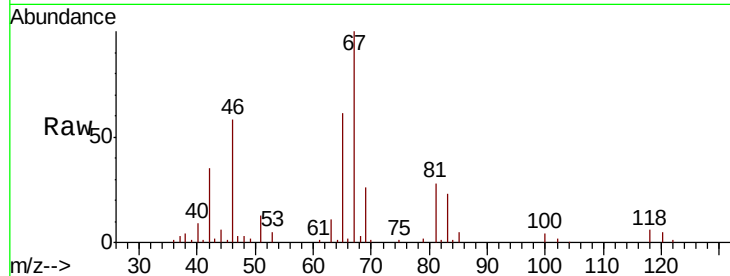




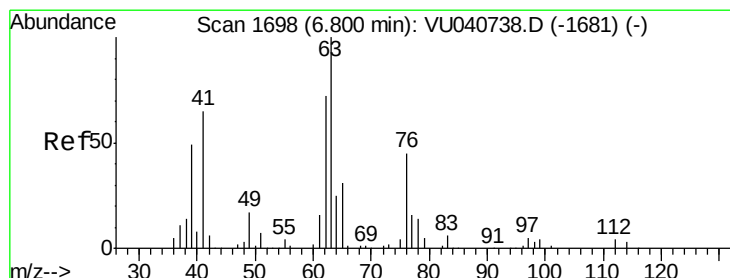
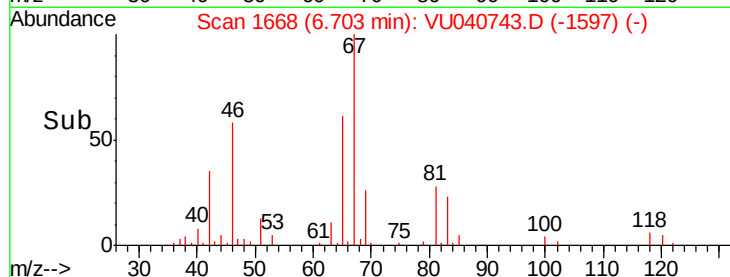
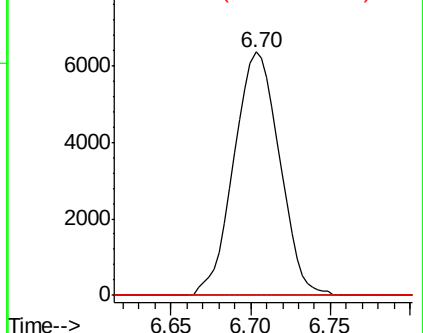
#35
Methylvlcyclohexane
Concen: 0.946 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040743.D
Acq: 16 Oct 2020 12:51

Instrument :
MSVOA_U
ClientSampleId :
C0AH2

Tot Ion: 83 Resp: 12387
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.3 38.4 57.6#

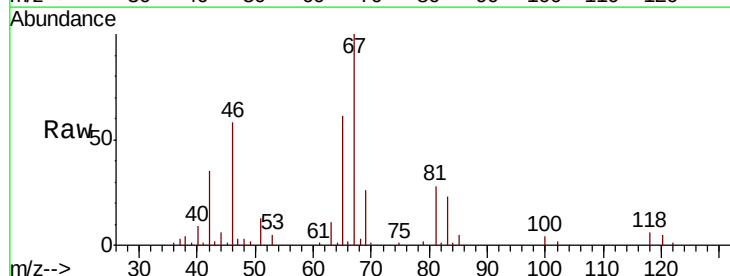


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

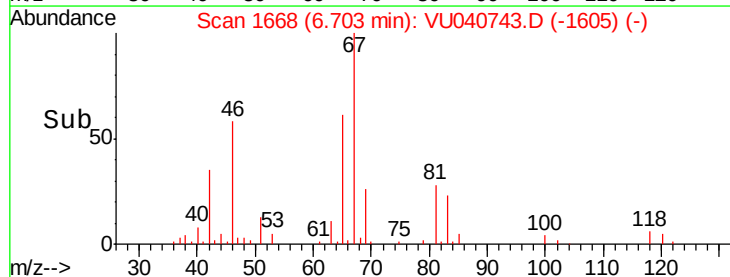
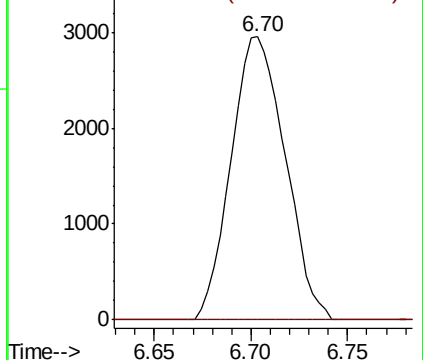


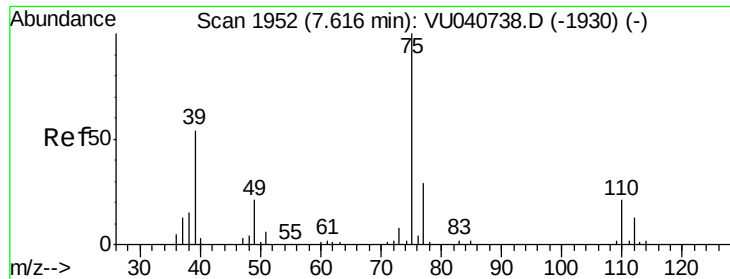
#37
1,2-Dichloropropane
Concen: 0.580 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040743.D
Acq: 16 Oct 2020 12:51

Tgt Ion: 63 Resp: 5755
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



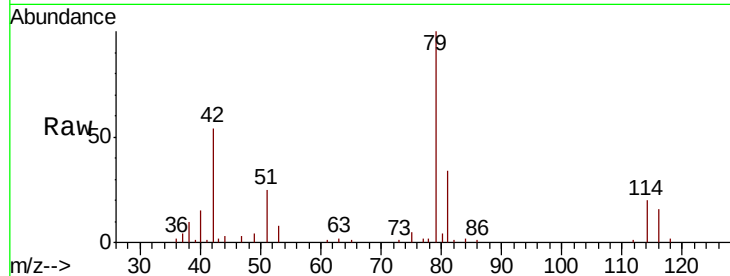


#39

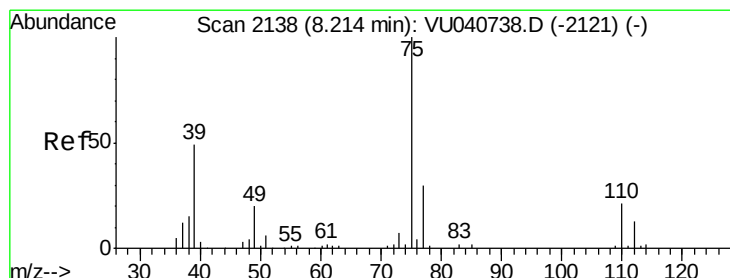
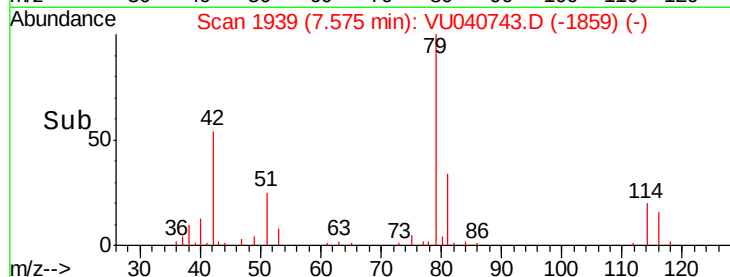
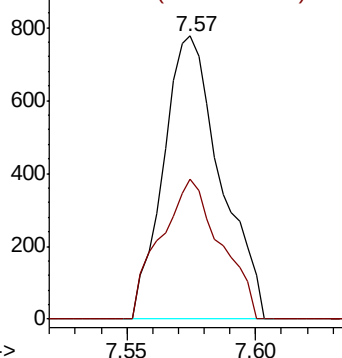
cis-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU040743.D
Acq: 16 Oct 2020 12:51

Instrument :
MSVOA_U
ClientSampleId :
C0AH2

Tot Ion: 75 Resp: 1202
Ion Ratio Lower Upper
75 100
77 49.5 20.5 38.1#



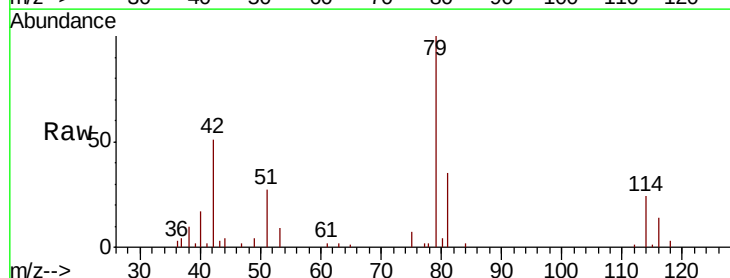
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



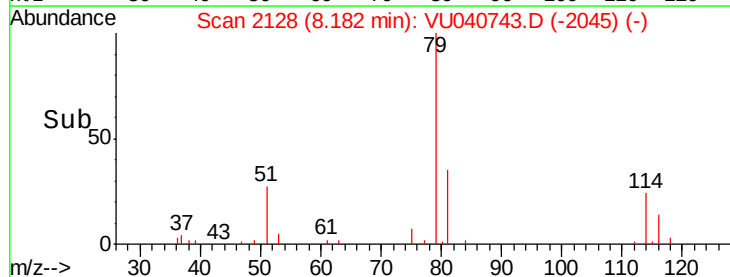
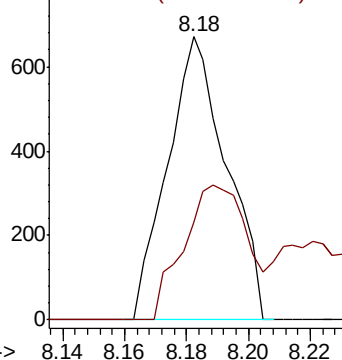
#44

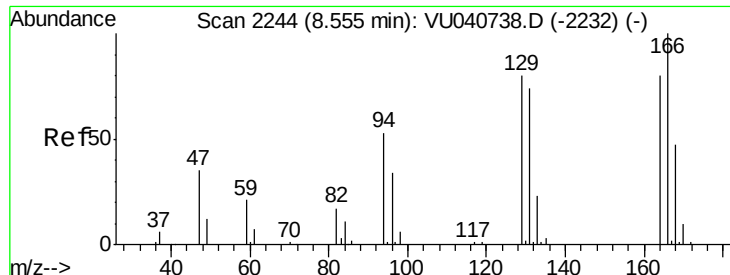
trans-1,3-Dichloropropene
Concen: 0.071 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU040743.D
Acq: 16 Oct 2020 12:51

Tgt Ion: 75 Resp: 891
Ion Ratio Lower Upper
75 100
77 34.4 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 0.113 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VU040743.D

Acq: 16 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampleId :

C0AH2

Tot Ion:164 Resp: 745

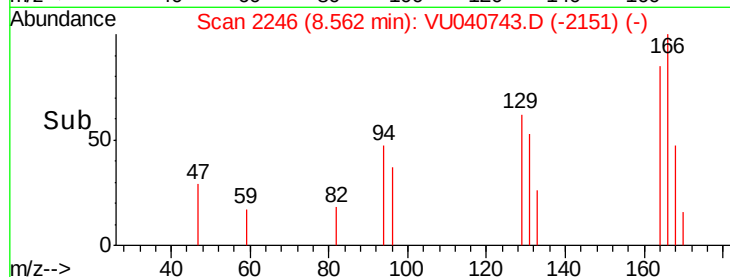
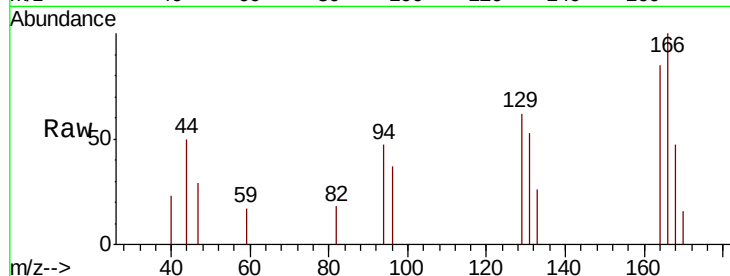
Ion Ratio Lower Upper

164 100

129 72.6 68.8 127.8

131 61.8 66.7 123.9#

166 117.4 83.9 155.7



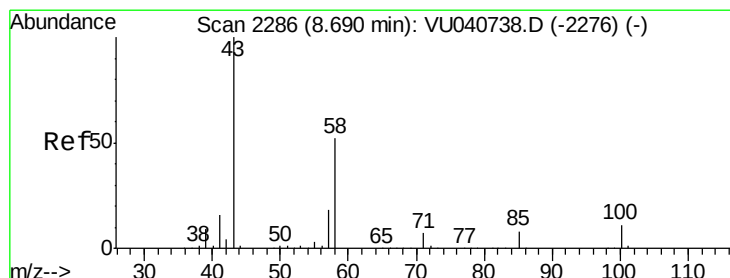
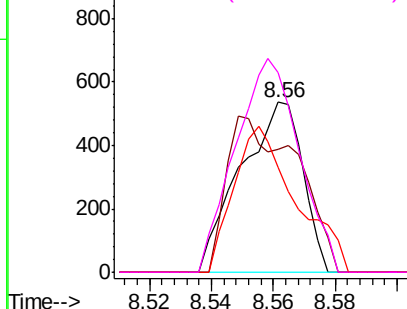
Abundance

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



#48

2-Hexanone

Concen: 2.420 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040743.D

Acq: 16 Oct 2020 12:51

Tgt Ion: 43 Resp: 14257

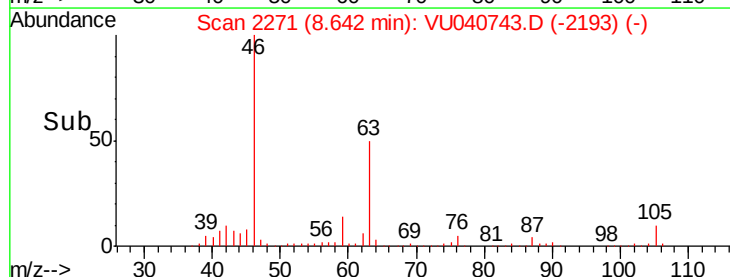
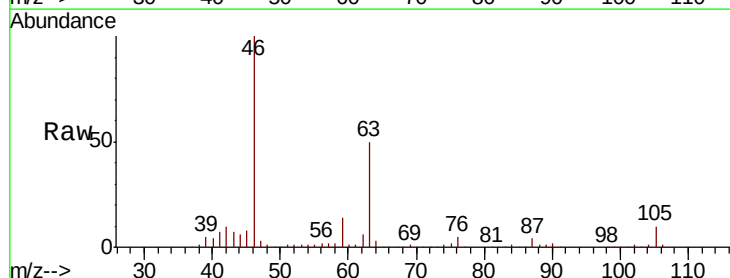
Ion Ratio Lower Upper

43 100

58 38.1 41.0 61.6#

57 37.8 14.4 21.6#

100 1.9 8.6 13.0#



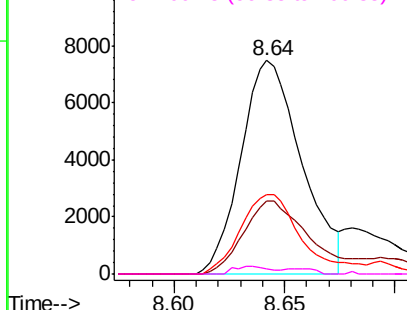
Abundance

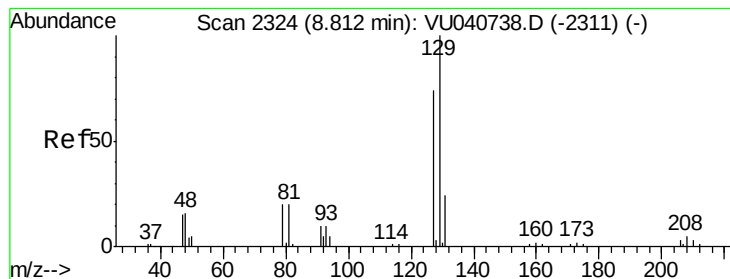
Ion 43.05 (42.75 to 43.75): VU0

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: 0.091 ug/L

RT: 8.55 min Scan# 2242

Delta R.T. -0.26 min

Lab File: VU040743.D

Acq: 16 Oct 2020 12:51

Instrument :

MSVOA_U

ClientSampled :

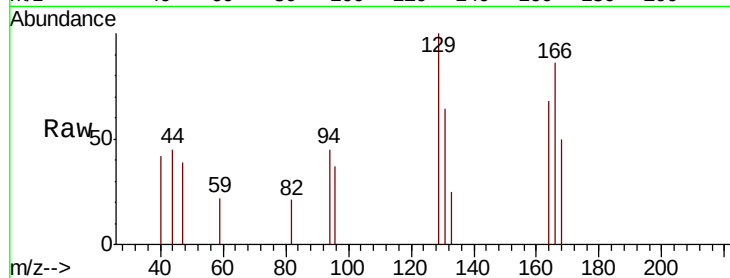
C0AH2

Tot Ion:129 Resp: 776

Ion Ratio Lower Upper

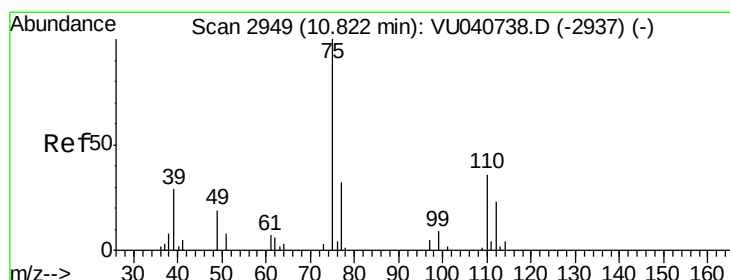
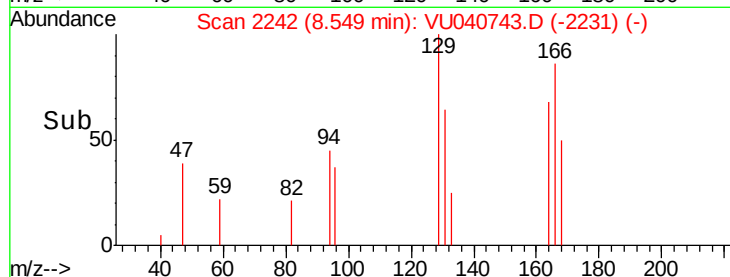
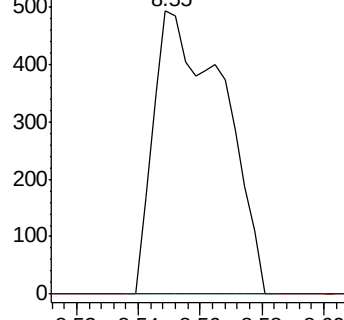
129 100

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: 0.871 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040743.D

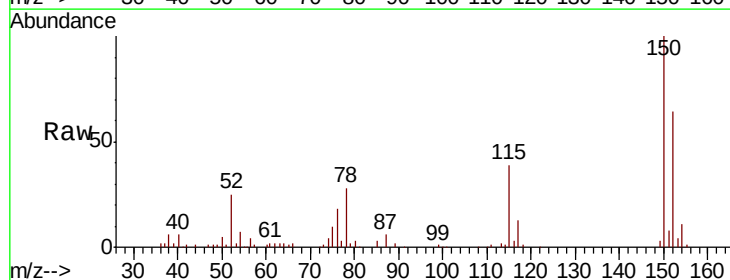
Acq: 16 Oct 2020 12:51

Tgt Ion: 75 Resp: 6350

Ion Ratio Lower Upper

75 100

77 32.6 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

