

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040745.D
 Acq On : 16 Oct 2020 13:38
 Operator : SY/MD
 Sample : L4419-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH8

Quant Time: Oct 16 23:41:13 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	112206	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117282	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46842	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39993	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.92	69	36628	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.58	63	71381	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	4.66	46	157789	53.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.06%
24) Chloroform-d	5.08	84	89243	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.72	65	52380	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.74	84	158611	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	55441	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.91	98	123033	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	19359	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.64	63	105657	46.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46752	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	49205	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	834	0.088 ug/L	99
8) Chloroethane	1.95	64	1271	0.199 ug/L #	60
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	658	0.070 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	10906	1.362 ug/L #	34
15) Methyl Acetate	2.97	43	614	0.117 ug/L #	56
19) 1,1-Dichloroethane	3.89	63	2928	0.169 ug/L #	94
22) cis-1,2-Dichloroethene	4.69	96	18088	2.001 ug/L	95
25) Chloroform	5.11	83	1287	0.073 ug/L	90
33) Benzene	5.78	78	1152	0.031 ug/L	100
34) Trichloroethene	6.56	95	53476	5.475 ug/L	94
35) Methylcyclohexane	6.71	83	13398	0.967 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6580	0.627 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1514	0.106 ug/L #	69
44) trans-1,3-Dichloropropene	8.18	75	1094	0.083 ug/L	84
47) Tetrachloroethene	8.56	164	2941	0.422 ug/L	92
48) 2-Hexanone	8.64	43	15537	2.493 ug/L #	83
49) Dibromochloromethane	8.56	129	2989	0.330 ug/L #	9

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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

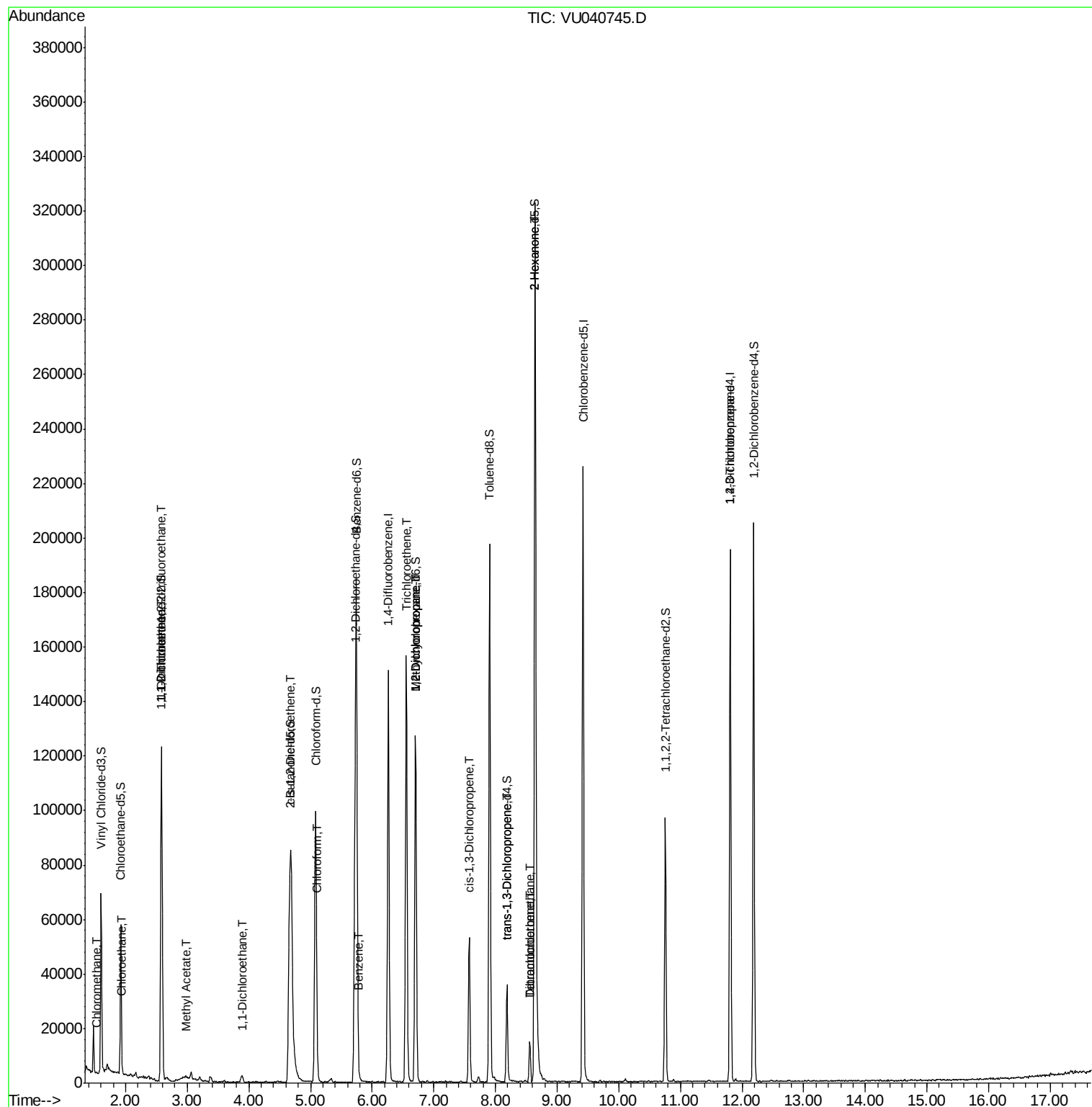
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	6840	0.887	ug/L	100

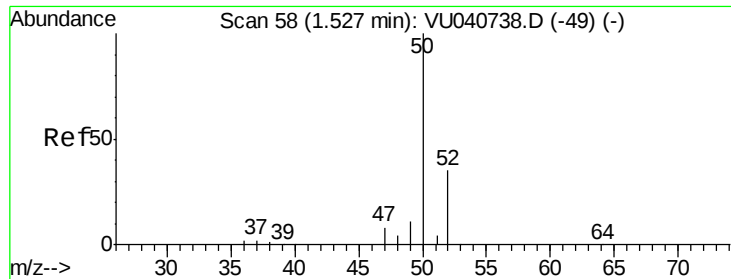
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.088 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

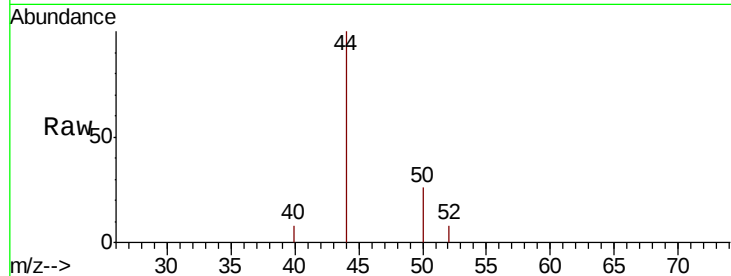
C0AH8

Tot Ion: 50 Resp: 834

Ion Ratio Lower Upper

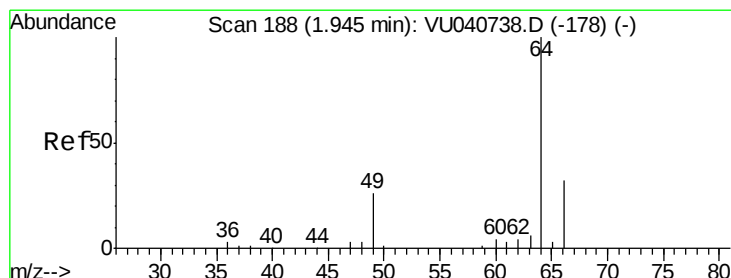
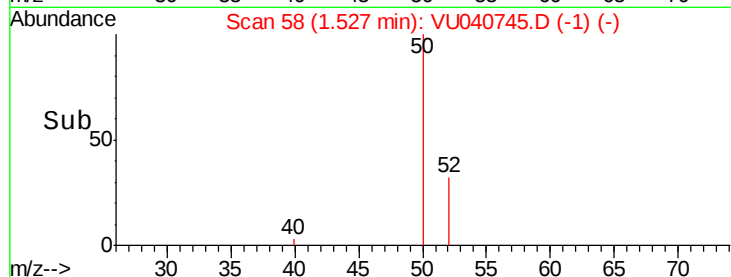
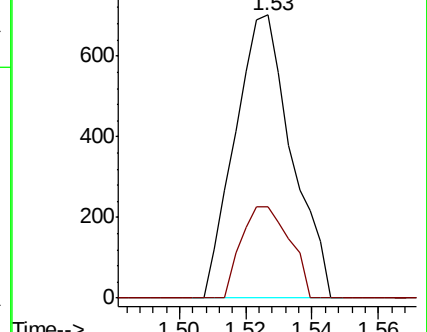
50 100

52 32.1 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.199 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU040745.D

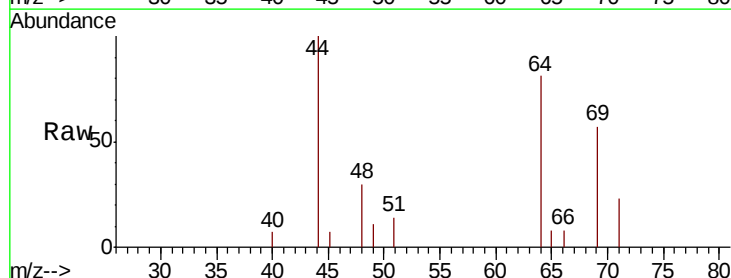
Acq: 16 Oct 2020 13:38

Tgt Ion: 64 Resp: 1271

Ion Ratio Lower Upper

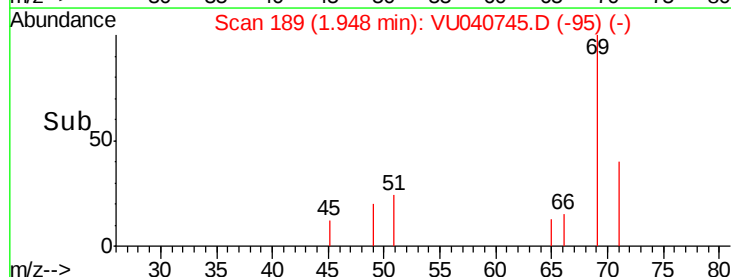
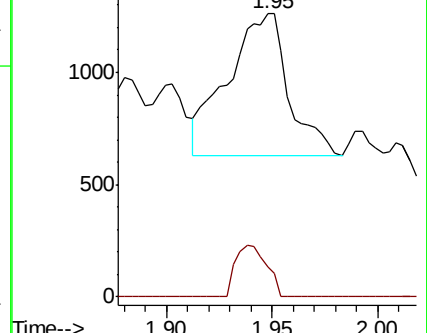
64 100

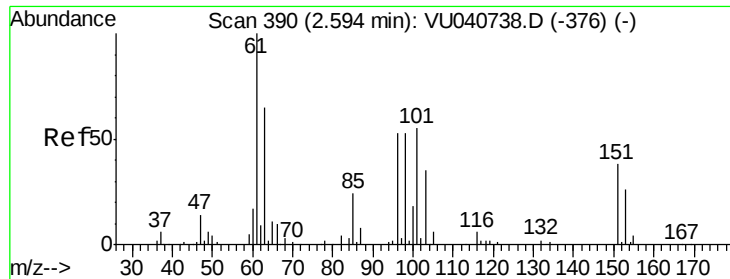
66 10.5 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.070 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

C0AH8

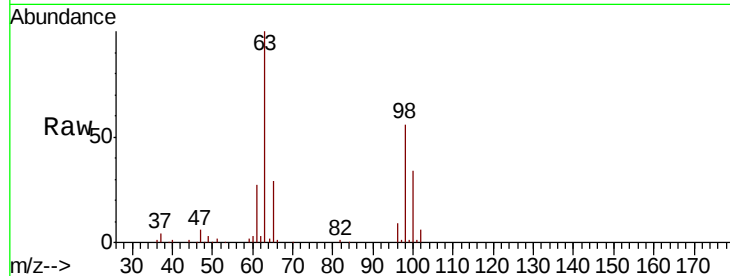
Tot Ion:101 Resp: 658

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

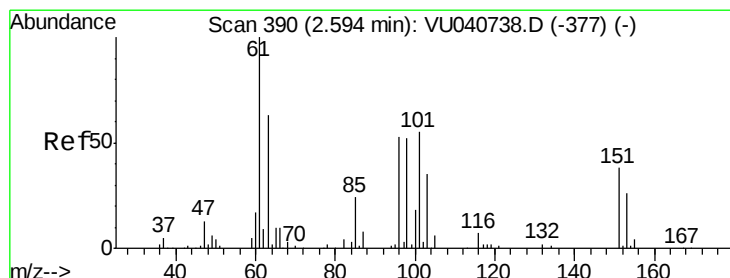
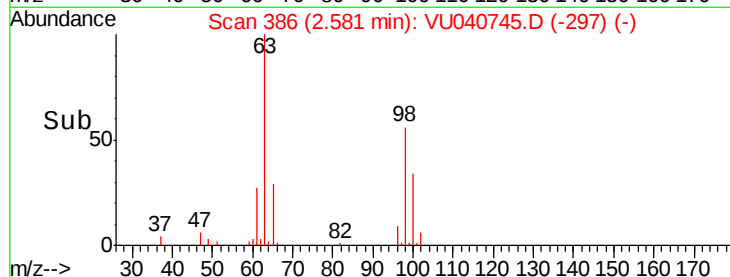
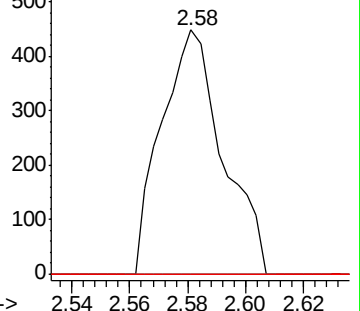
151 0.0 58.0 87.0#



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: 1.362 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

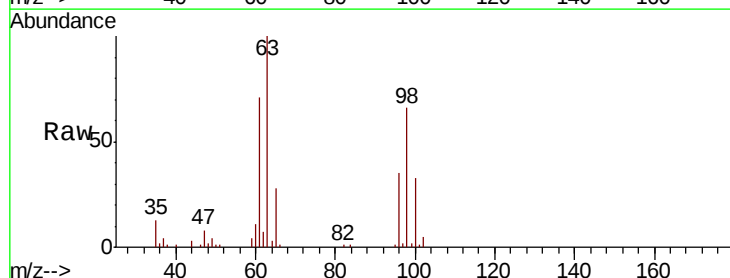
Tgt Ion: 96 Resp: 10906

Ion Ratio Lower Upper

96 100

61 202.4 128.8 239.2

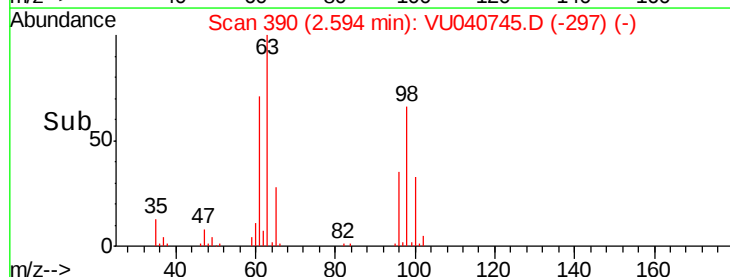
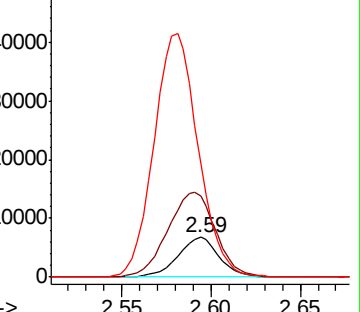
63 285.1 84.6 157.2#

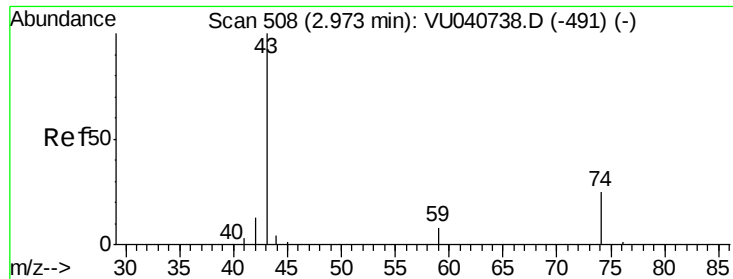


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#15

Methyl Acetate

Concen: 0.117 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.01 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

Instrument :

MSVOA_U

ClientSampled :

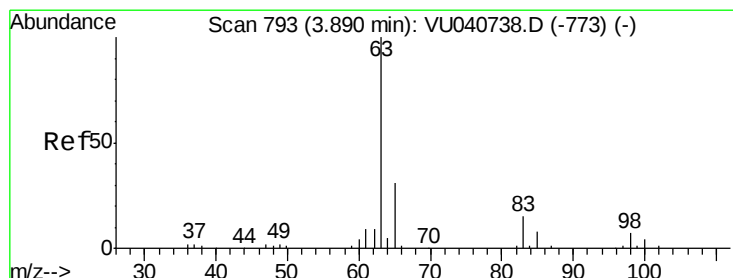
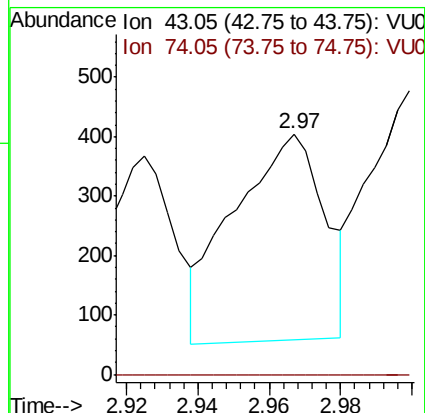
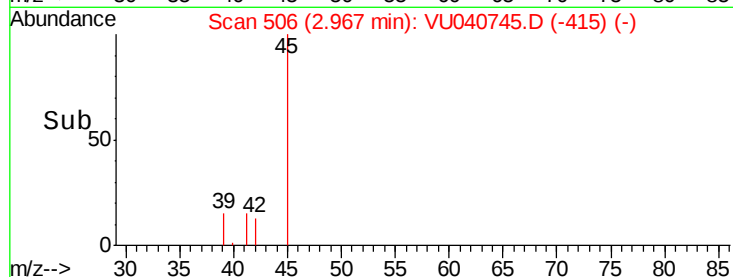
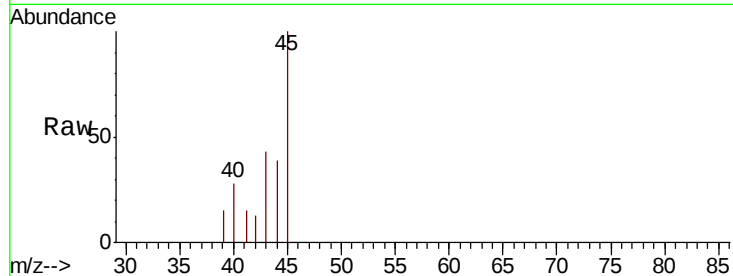
C0AH8

Tot Ion: 43 Resp: 614

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#



#19

1,1-Dichloroethane

Concen: 0.169 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

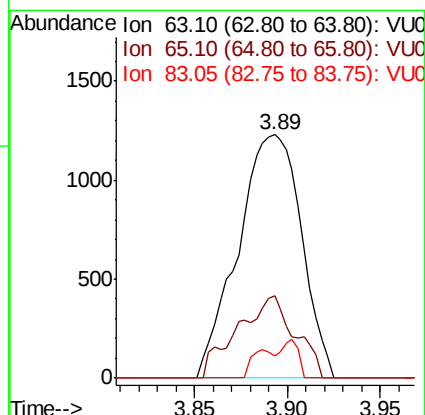
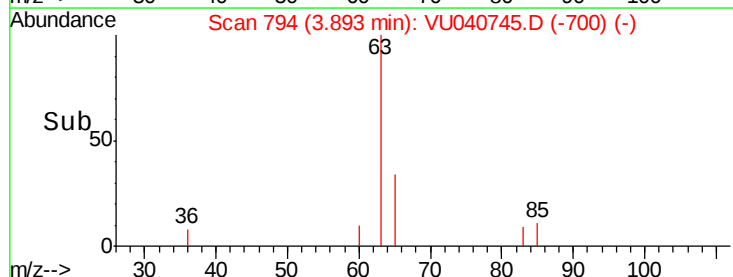
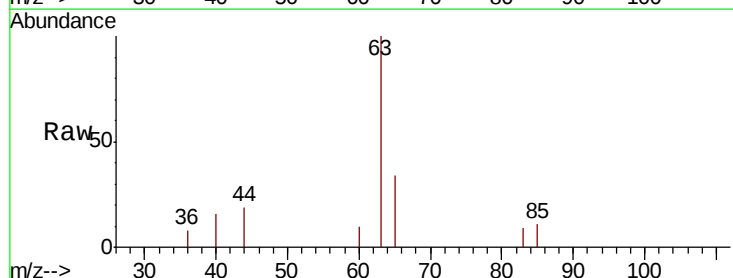
Tgt Ion: 63 Resp: 2928

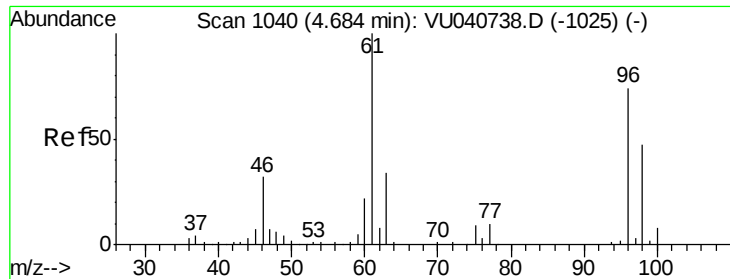
Ion Ratio Lower Upper

63 100

65 33.5 21.9 40.7

83 9.3 9.6 17.8#

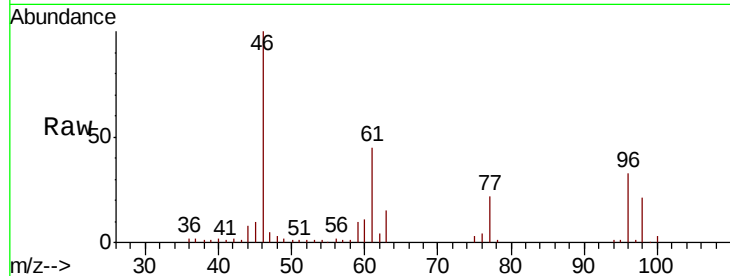




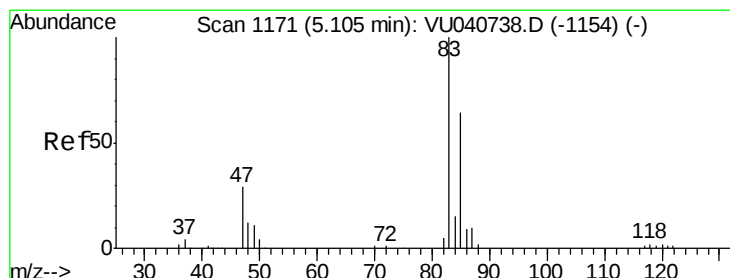
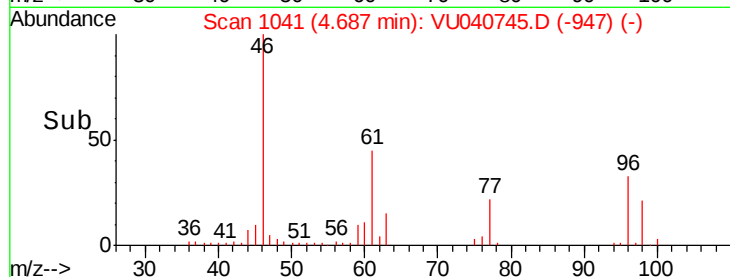
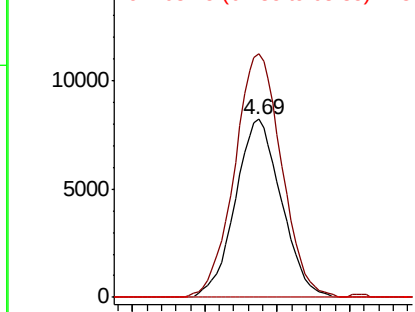
#22
 cis-1,2-Dichloroethene
 Concen: 2.001 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040745.D
 Acq: 16 Oct 2020 13:38

Instrument :
 MSVOA_U
 ClientSampled :
 C0AH8

Tot Ion: 96 Resp: 18088
 Ion Ratio Lower Upper
 96 100
 61 137.0 99.8 185.4
 68 0.0 0.0 0.0

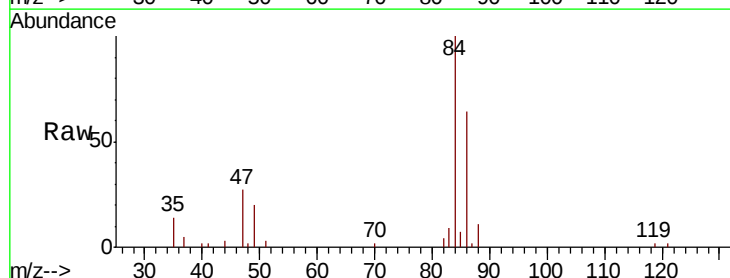


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

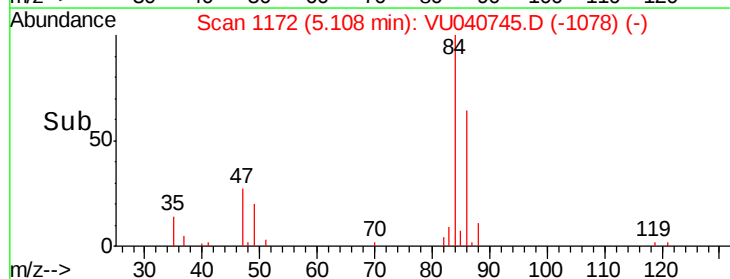
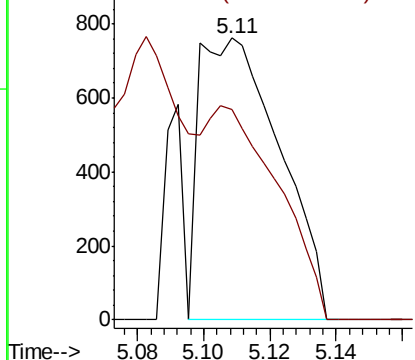


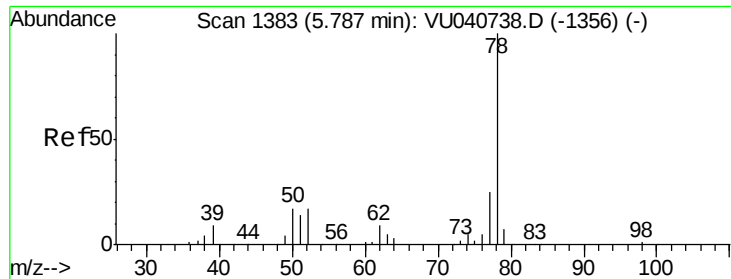
#25
 Chloroform
 Concen: 0.073 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU040745.D
 Acq: 16 Oct 2020 13:38

Tgt Ion: 83 Resp: 1287
 Ion Ratio Lower Upper
 83 100
 85 74.6 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

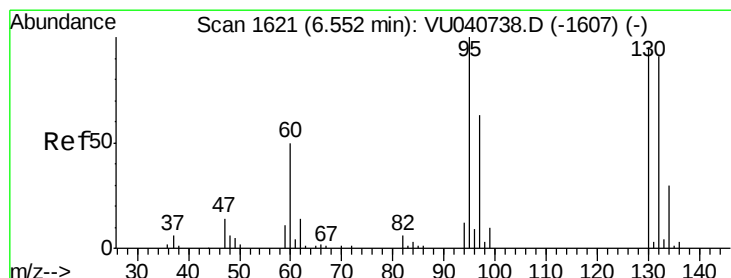
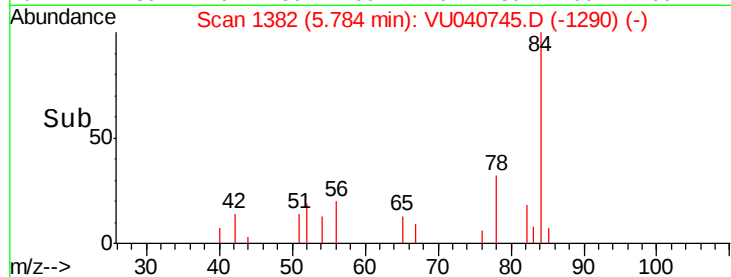
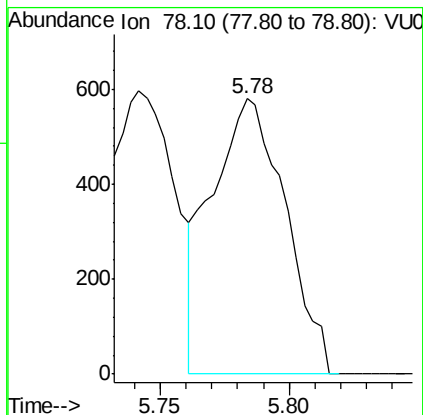
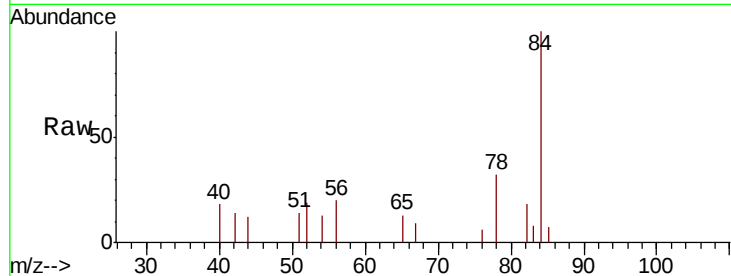




#33
Benzene
Concen: 0.031 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VU040745.D
Acq: 16 Oct 2020 13:38

Tgt Ion: 78 Resp: 1152

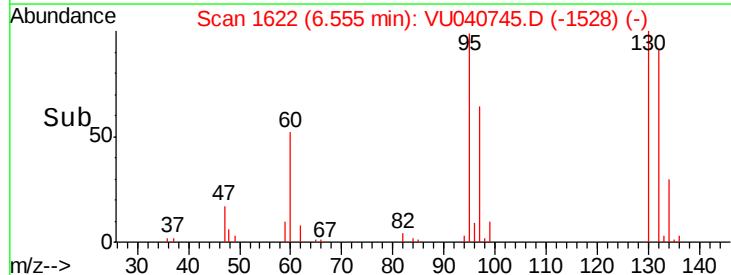
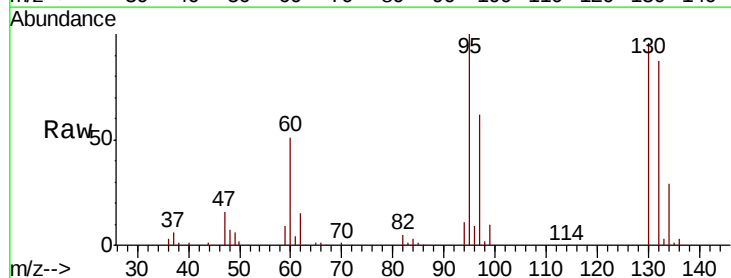
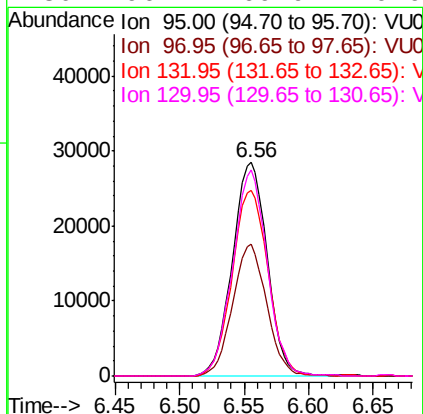
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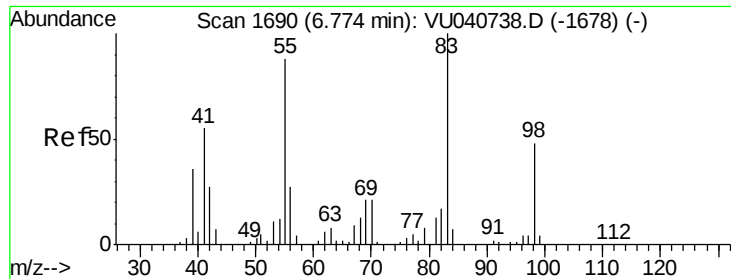


#34
Trichloroethene
Concen: 5.475 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU040745.D
Acq: 16 Oct 2020 13:38

Tgt Ion: 95 Resp: 53476

Ion	Ratio	Lower	Upper
95	100		
97	61.6	45.5	84.5
132	87.2	67.5	125.4
130	96.2	69.9	129.9

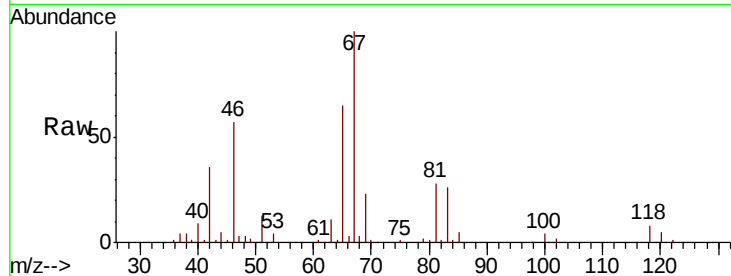




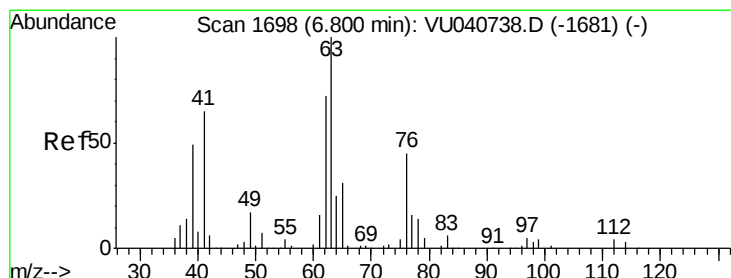
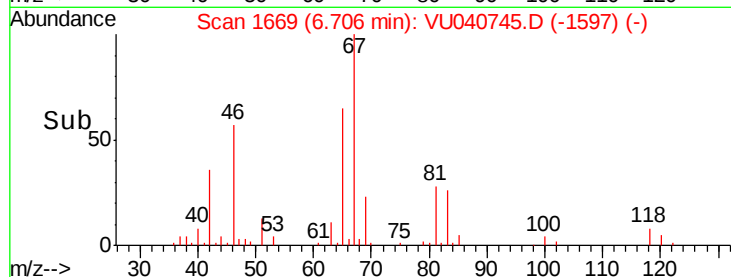
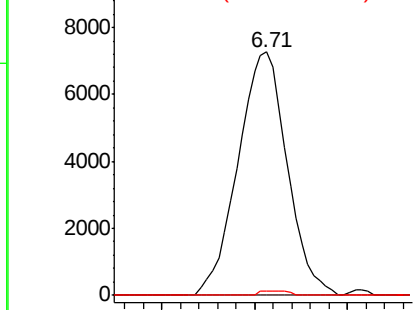
#35
Methylvlcyclohexane
Concen: 0.967 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040745.D
Acq: 16 Oct 2020 13:38

Instrument :
MSVOA_U
ClientSampleId :
C0AH8

Tot Ion: 83 Resp: 13398
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 1.1 38.4 57.6#

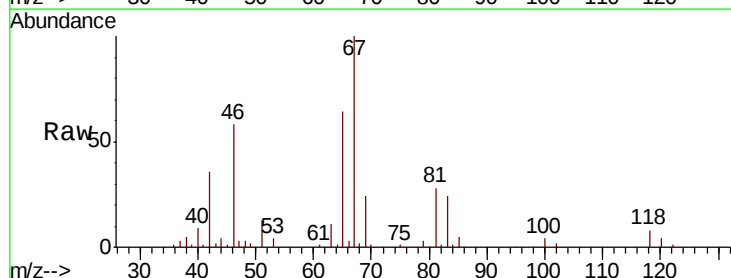


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

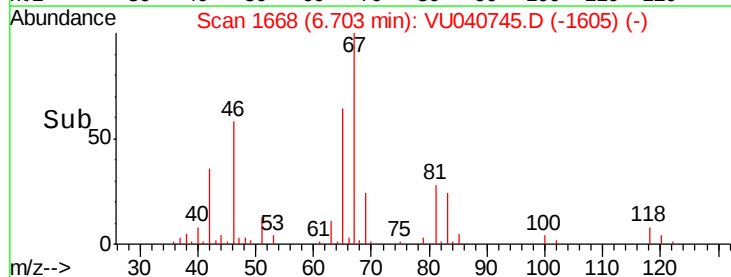
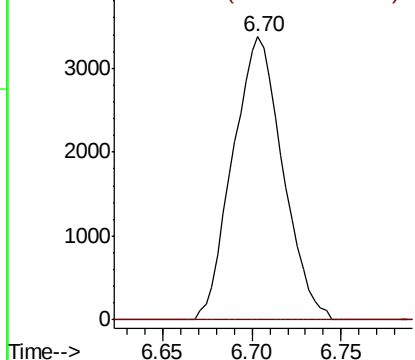


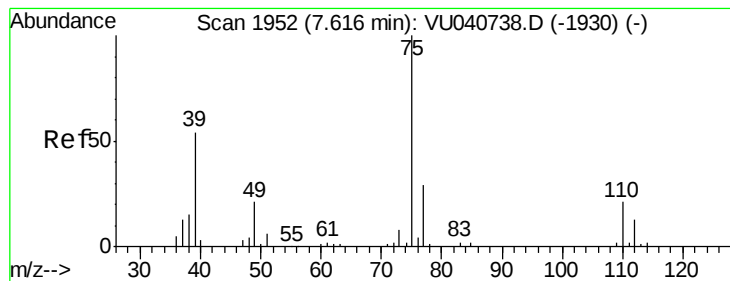
#37
1,2-Dichloropropane
Concen: 0.627 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040745.D
Acq: 16 Oct 2020 13:38

Tgt Ion: 63 Resp: 6580
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



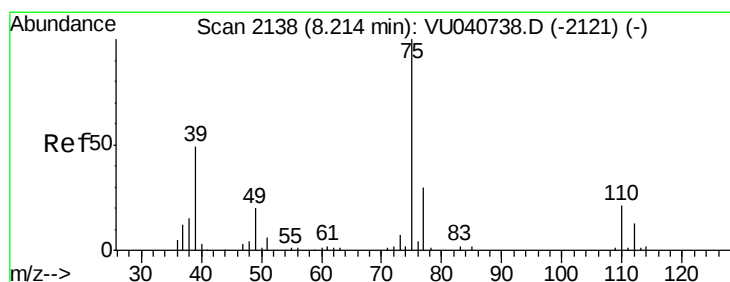
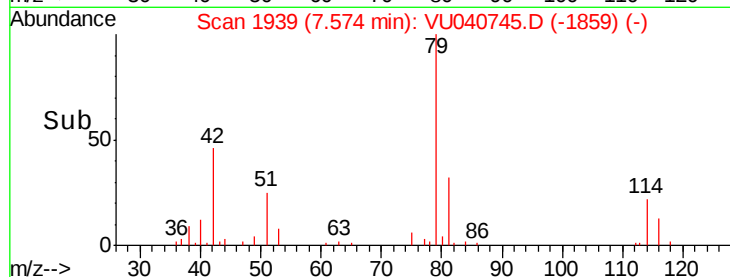
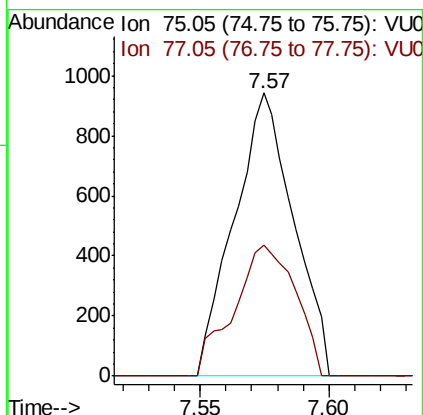
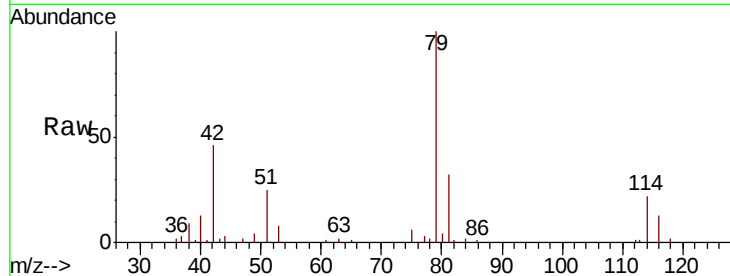


#39

cis-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040745.D
 Acq: 16 Oct 2020 13:38

Instrument :
 MSVOA_U
 ClientSampled :
 C0AH8

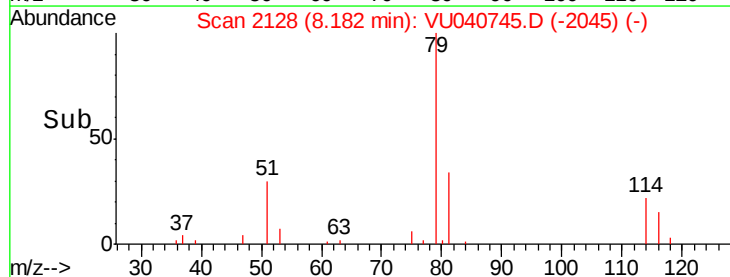
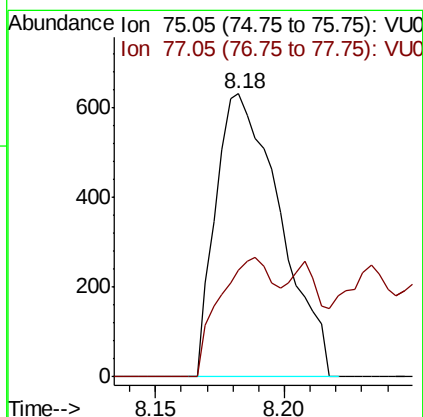
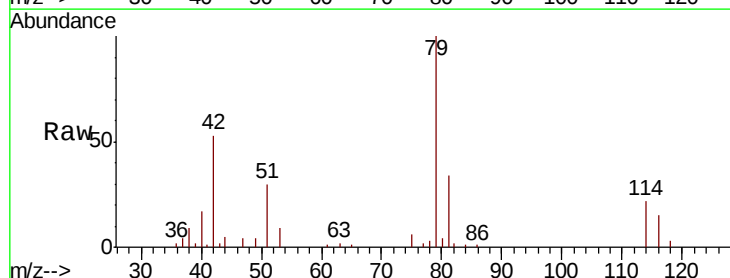
Tot Ion: 75 Resp: 1514
 Ion Ratio Lower Upper
 75 100
 77 46.2 20.5 38.1#

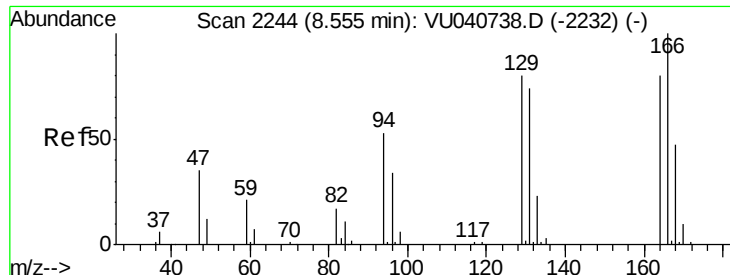


#44

trans-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU040745.D
 Acq: 16 Oct 2020 13:38

Tgt Ion: 75 Resp: 1094
 Ion Ratio Lower Upper
 75 100
 77 37.7 20.4 38.0





#47

Tetrachloroethene

Concen: 0.422 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

C0AH8

Tot Ion:164 Resp: 2941

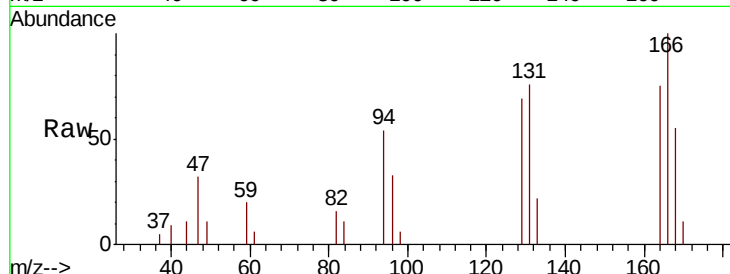
Ion Ratio Lower Upper

164 100

129 91.1 68.8 127.8

131 100.4 66.7 123.9

166 132.9 83.9 155.7

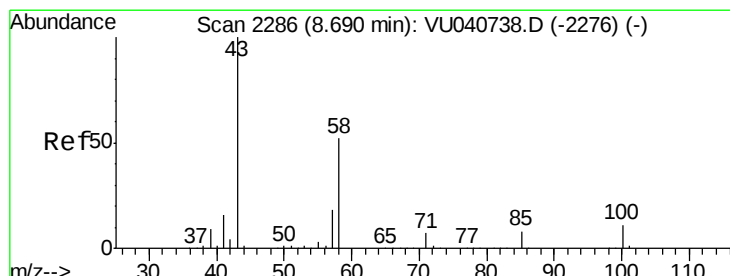
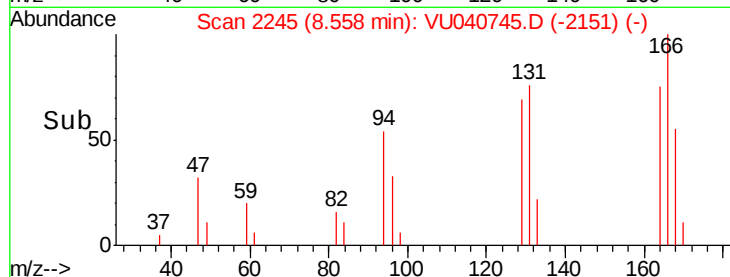
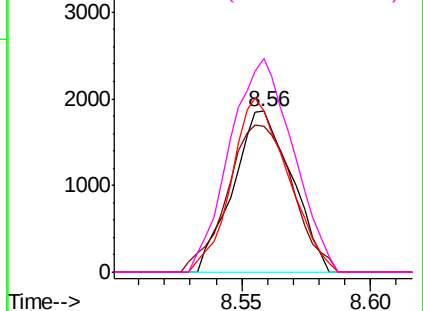


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.493 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

Tgt Ion: 43 Resp: 15537

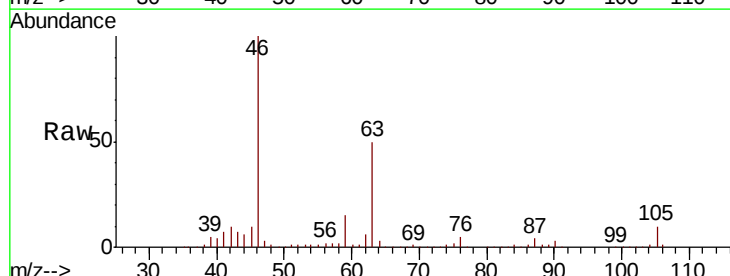
Ion Ratio Lower Upper

43 100

58 45.0 41.0 61.6

57 32.0 14.4 21.6#

100 0.6 8.6 13.0#

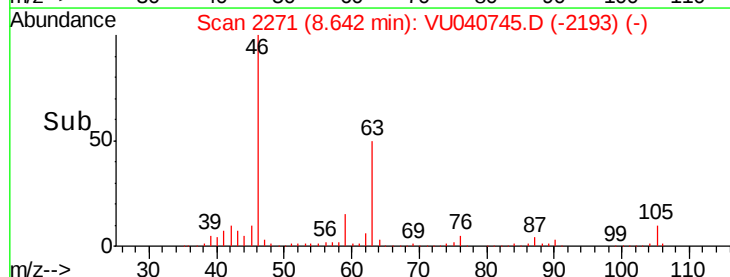
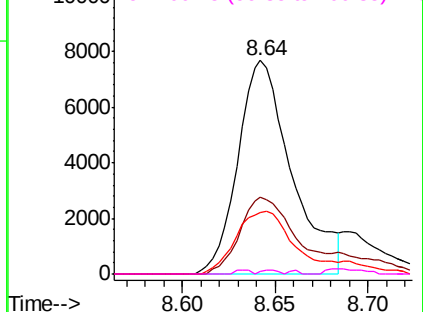


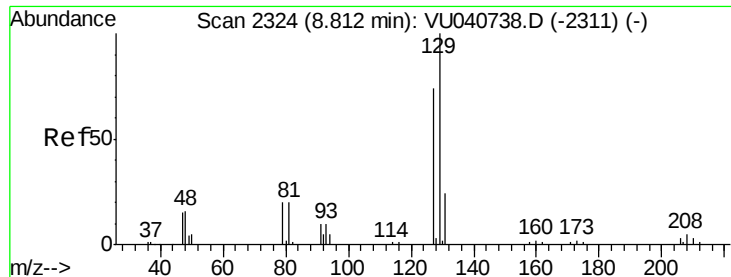
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.330 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

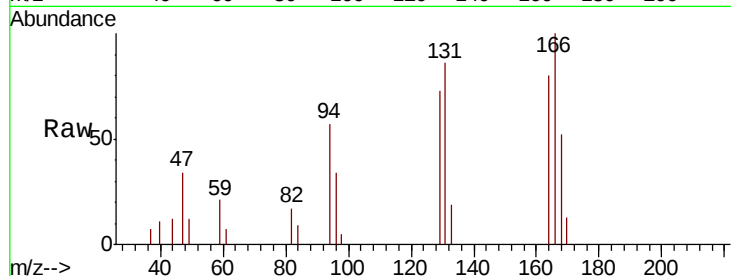
C0AH8

Tot Ion:129 Resp: 2989

Ion Ratio Lower Upper

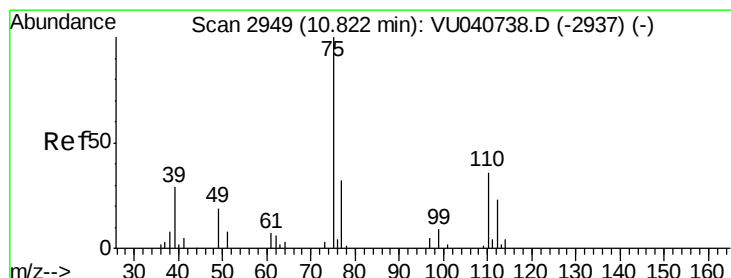
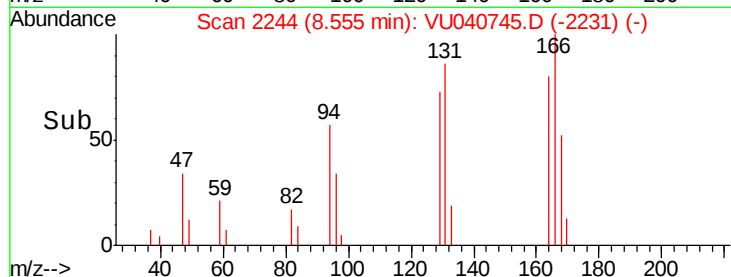
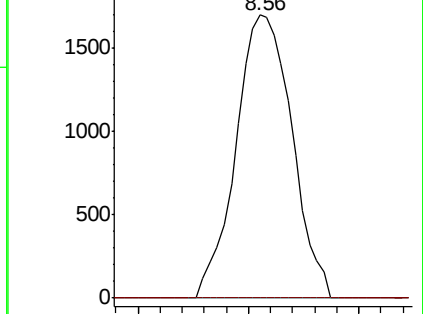
129 100

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: 0.887 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040745.D

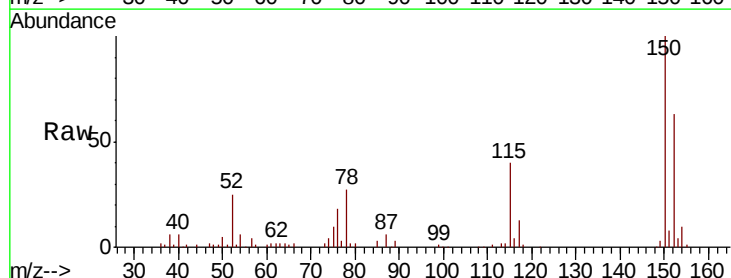
Acq: 16 Oct 2020 13:38

Tgt Ion: 75 Resp: 6840

Ion Ratio Lower Upper

75 100

77 33.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

