

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040746.D
 Acq On : 16 Oct 2020 14:01
 Operator : SY/MD
 Sample : L4419-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH9

Quant Time: Oct 16 23:41:24 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	108735	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113921	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45386	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	38868	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.92	69	35758	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.58	63	69272	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	4.66	46	160861	55.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.58%
24) Chloroform-d	5.08	84	85840	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.72	65	52856	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	5.75	84	152192	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.70	67	54417	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.91	98	119318	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	18944	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.64	63	110389	49.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47345	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	48887	5.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	466	0.051	ug/L	83
8) Chloroethane	1.95	64	409	0.066	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	557	0.062	ug/L #	20
12) 1,1-Dichloroethene	2.59	96	11884	1.532	ug/L #	32
19) 1,1-Dichloroethane	3.89	63	1395	0.083	ug/L #	67
22) cis-1,2-Dichloroethene	4.69	96	4893	0.559	ug/L	82
25) Chloroform	5.11	83	10001	0.583	ug/L	97
27) 1,2-Dichloroethane	5.75	62	976	0.080	ug/L #	77
29) 1,1,1-Trichloroethane	5.34	97	1572	0.103	ug/L #	92
31) Carbon tetrachloride	5.54	117	1279	0.098	ug/L	88
34) Trichloroethene	6.56	95	40592	4.279	ug/L	97
35) Methylcyclohexane	6.70	83	12843	0.955	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6408	0.628	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1285	0.092	ug/L #	63
44) trans-1,3-Dichloropropene	8.19	75	913	0.071	ug/L	84
47) Tetrachloroethene	8.56	164	15082	2.228	ug/L	93
48) 2-Hexanone	8.64	43	18801	3.106	ug/L #	77

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\
Data File : VU040746.D
Acq On : 16 Oct 2020 14:01
Operator : SY/MD
Sample : L4419-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH9

Quant Time: Oct 16 23:41:24 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

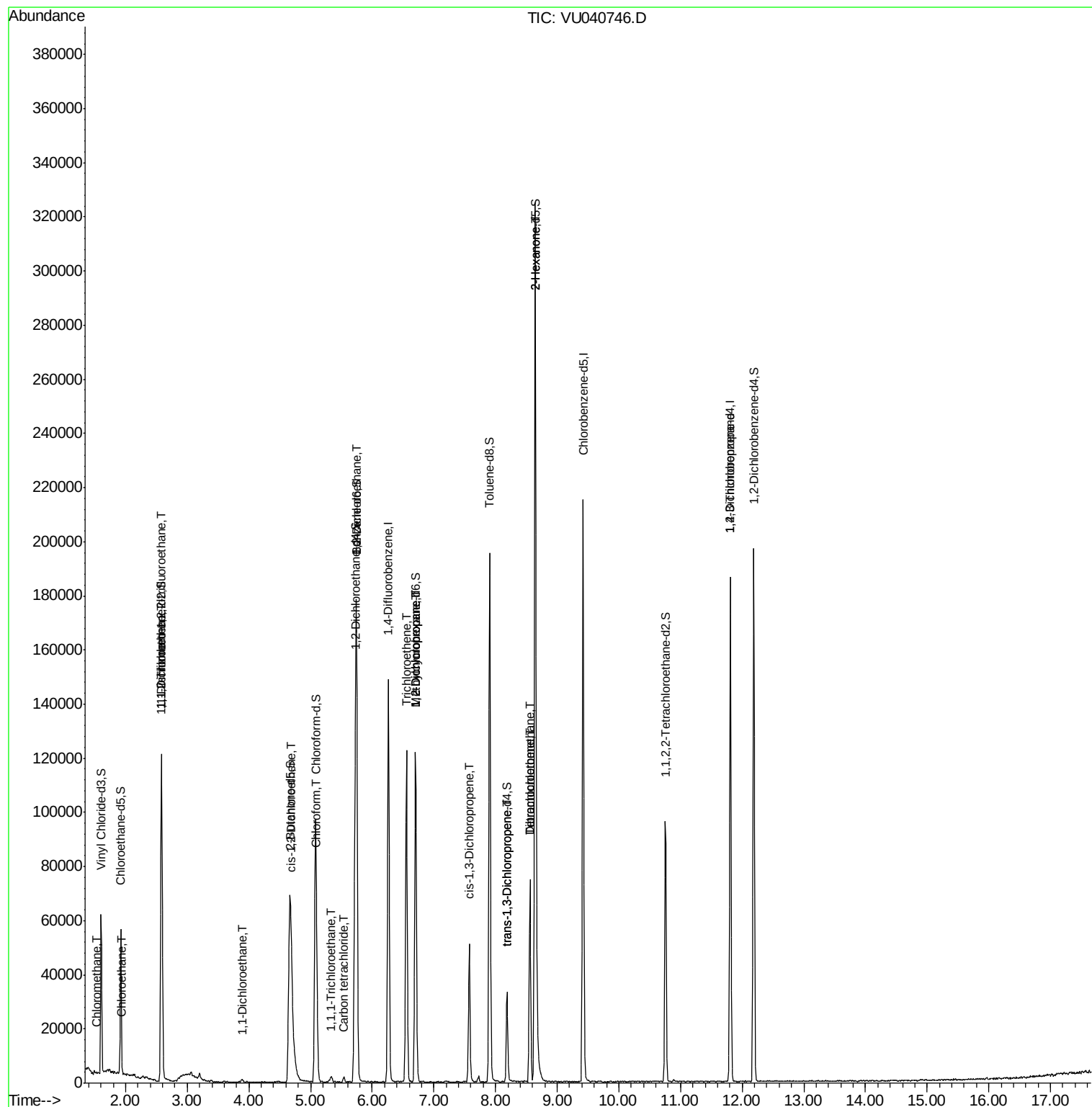
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	15321	1.743	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	5891	0.786	ug/L #	87

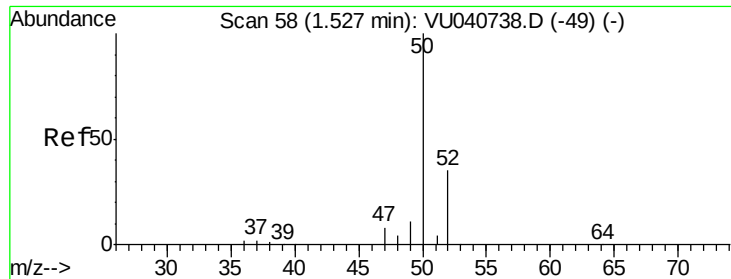
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101620\
Data File : VU040746.D
Acq On : 16 Oct 2020 14:01
Operator : SY/MD
Sample : L4419-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH9

Quant Time: Oct 16 23:41:24 2020
Quant Method : Z:\V0ASRV\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





#3

Chloromethane

Concen: 0.051 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040746.D

Acq: 16 Oct 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

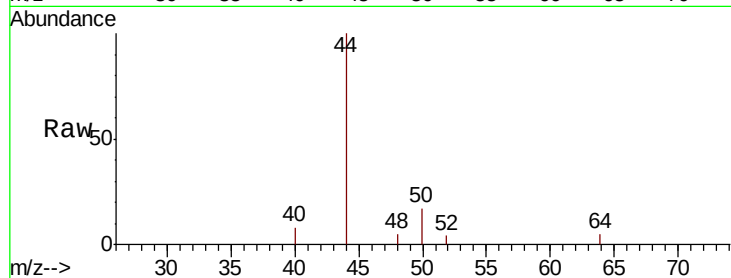
C0AH9

Tot Ion: 50 Resp: 466

Ion Ratio Lower Upper

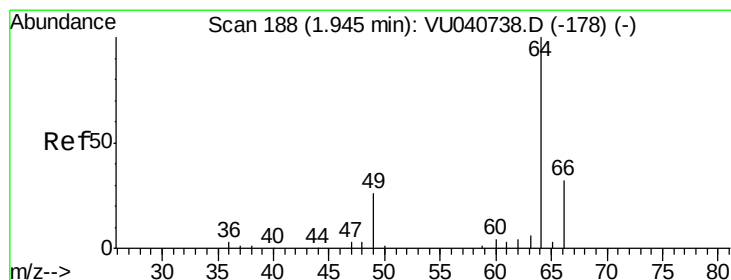
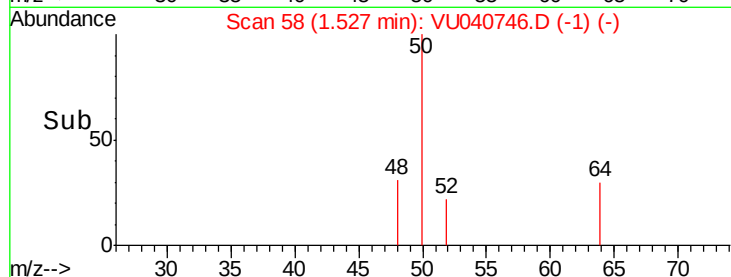
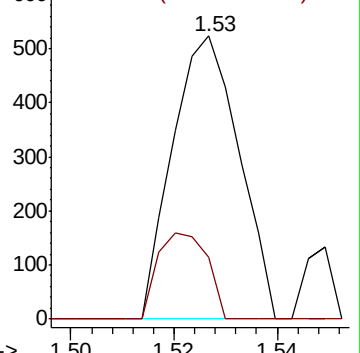
50 100

52 22.0 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: 0.066 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU040746.D

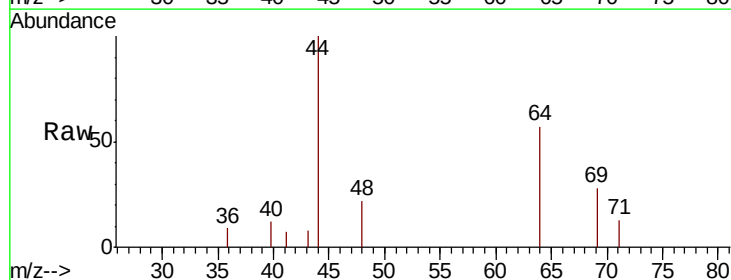
Acq: 16 Oct 2020 14:01

Tgt Ion: 64 Resp: 409

Ion Ratio Lower Upper

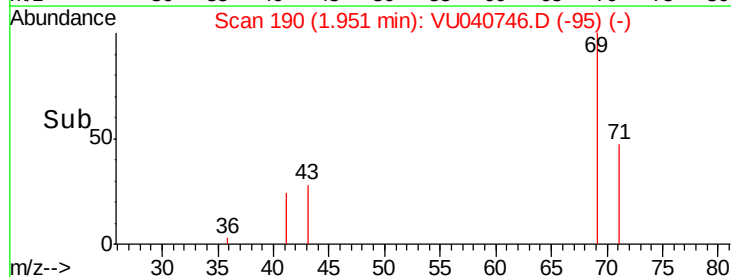
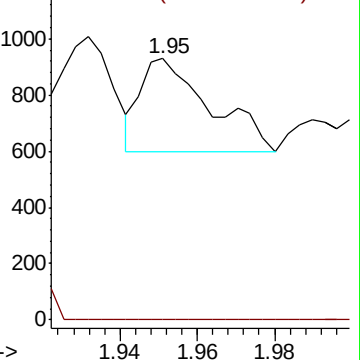
64 100

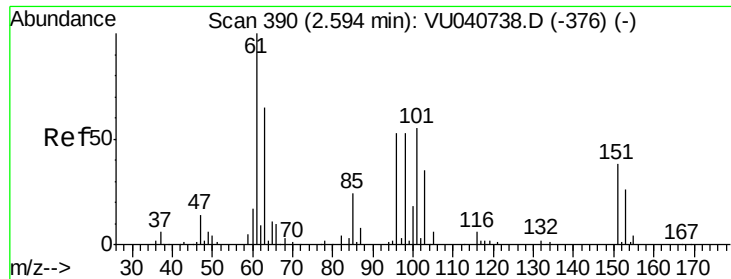
66 0.0 23.3 43.3#



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: 0.062 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040746.D

Acq: 16 Oct 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

C0AH9

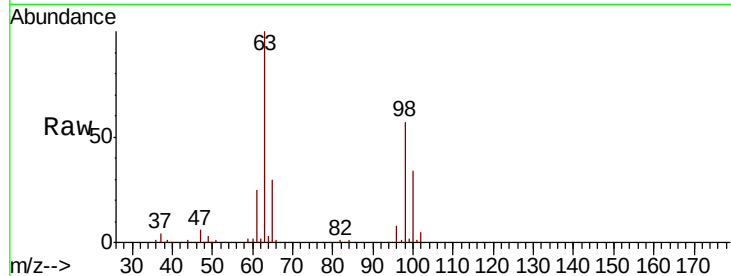
Tot Ion:101 Resp: 557

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

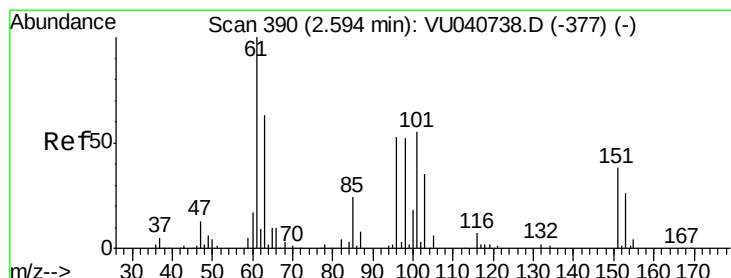
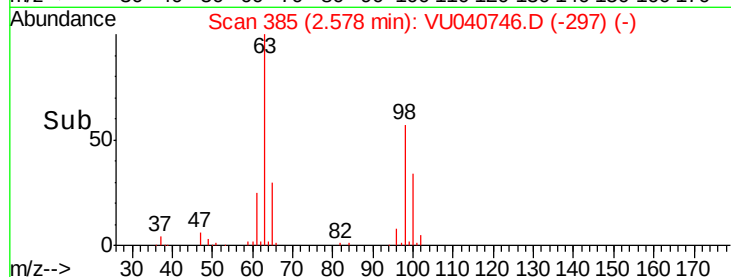
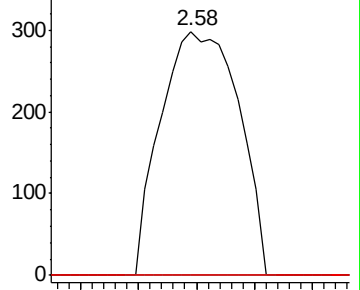
151 0.0 58.0 87.0#



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: 1.532 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040746.D

Acq: 16 Oct 2020 14:01

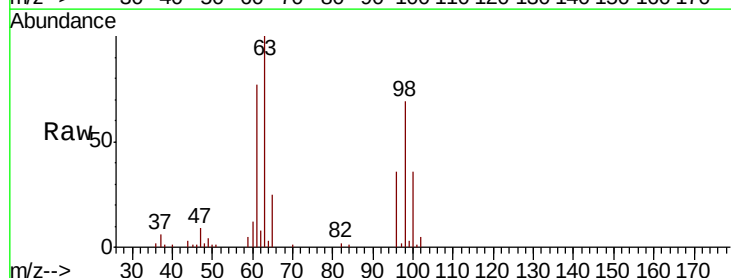
Tgt Ion: 96 Resp: 11884

Ion Ratio Lower Upper

96 100

61 213.8 128.8 239.2

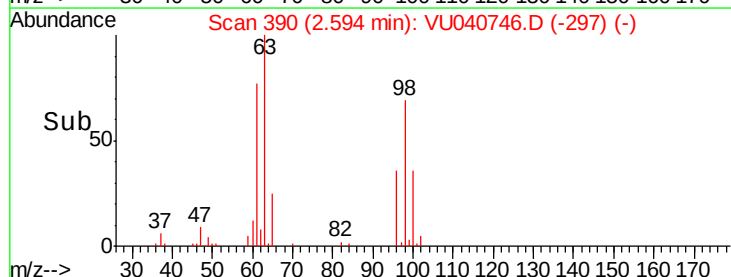
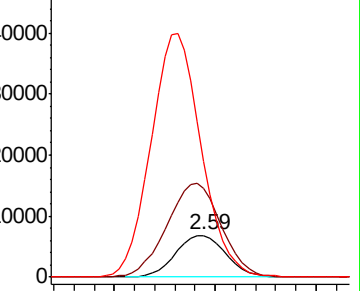
63 277.4 84.6 157.2#

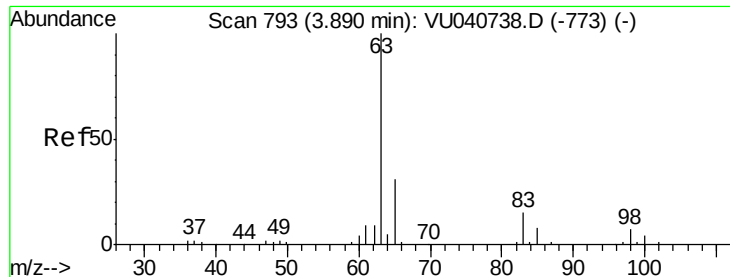


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

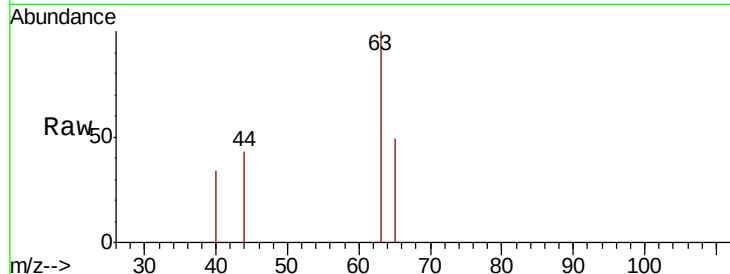




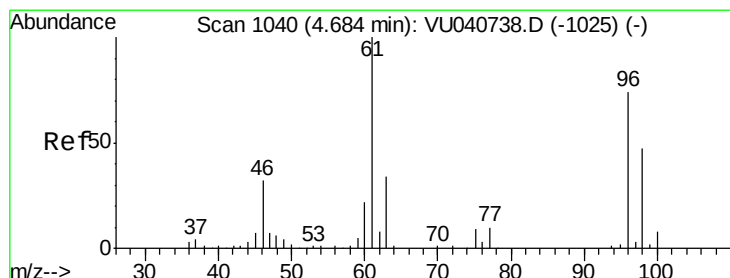
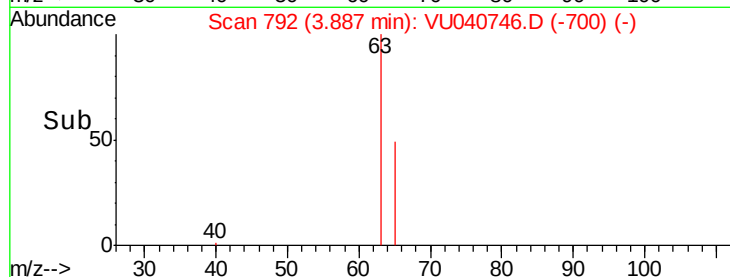
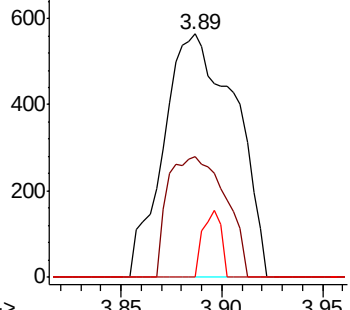
#19
 1,1-Dichloroethane
 Concen: 0.083 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040746.D
 Acq: 16 Oct 2020 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH9

Tot Ion: 63 Resp: 1395
 Ion Ratio Lower Upper
 63 100
 65 49.5 21.9 40.7#
 83 0.0 9.6 17.8#

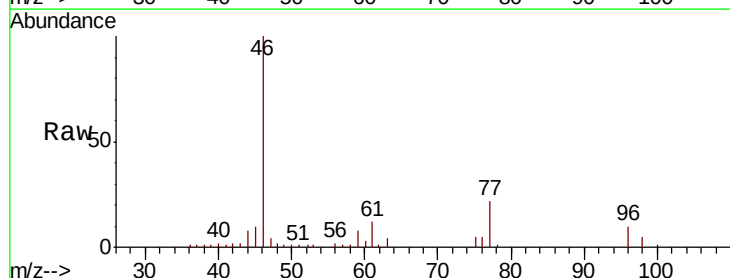


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

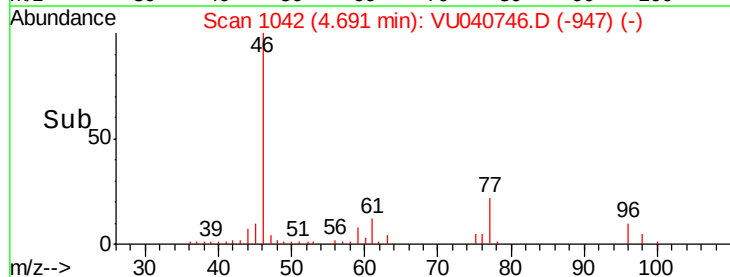
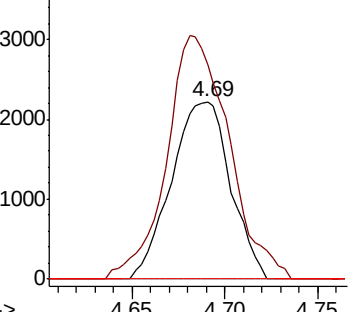


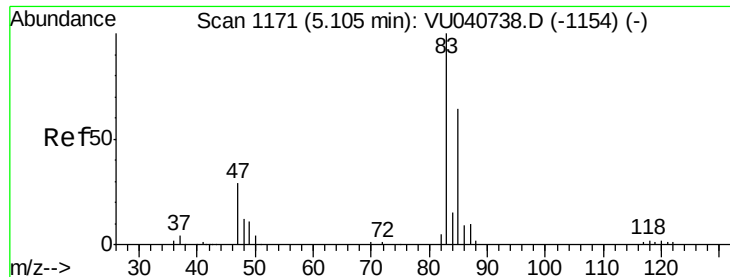
#22
 cis-1,2-Dichloroethene
 Concen: 0.559 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU040746.D
 Acq: 16 Oct 2020 14:01

Tgt Ion: 96 Resp: 4893
 Ion Ratio Lower Upper
 96 100
 61 120.9 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

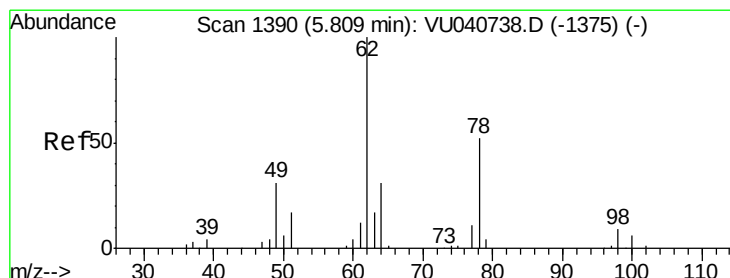
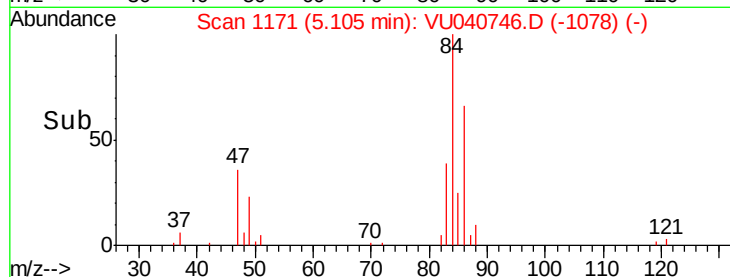
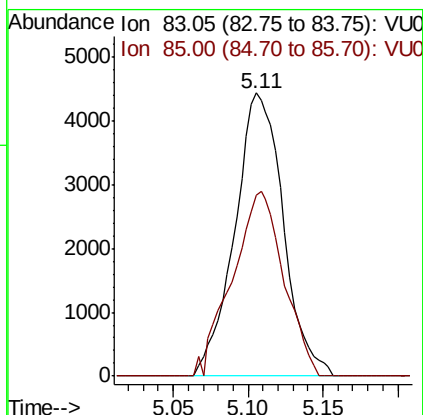
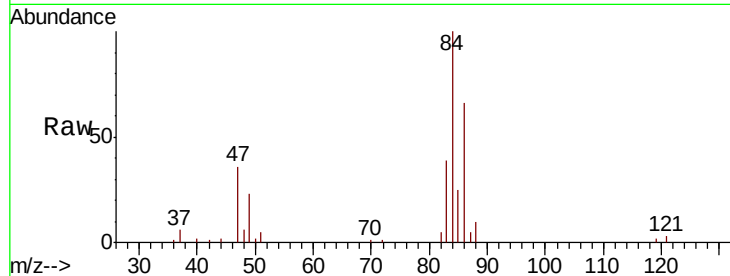




#25
Chloroform
Concen: 0.583 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040746.D
Acq: 16 Oct 2020 14:01

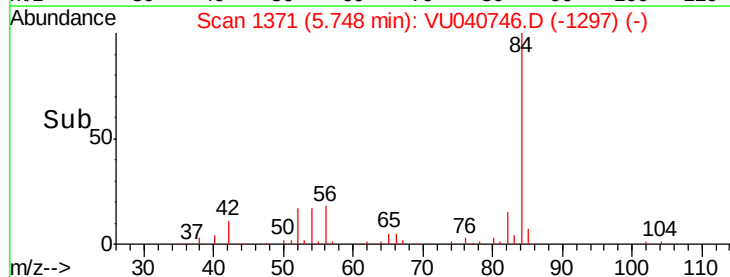
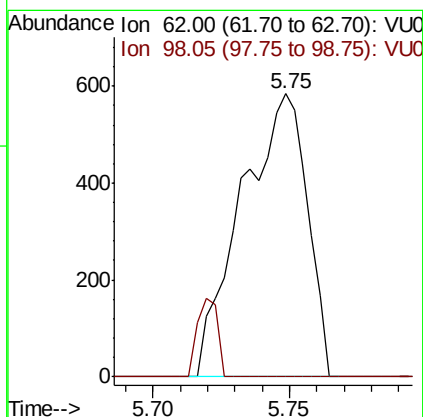
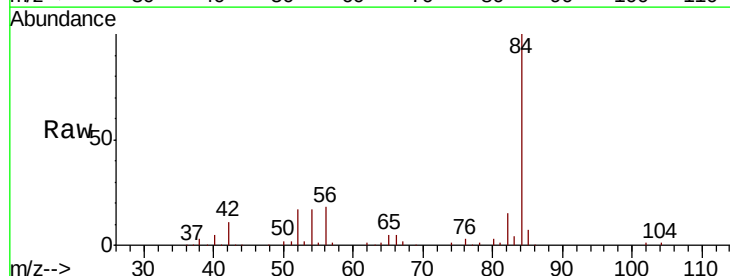
Instrument :
MSVOA_U
ClientSampleId :
C0AH9

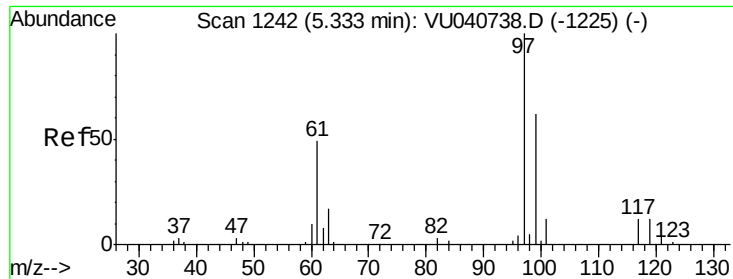
Tot Ion: 83 Resp: 10001
Ion Ratio Lower Upper
83 100
85 63.8 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.080 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.06 min
Lab File: VU040746.D
Acq: 16 Oct 2020 14:01

Tgt Ion: 62 Resp: 976
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

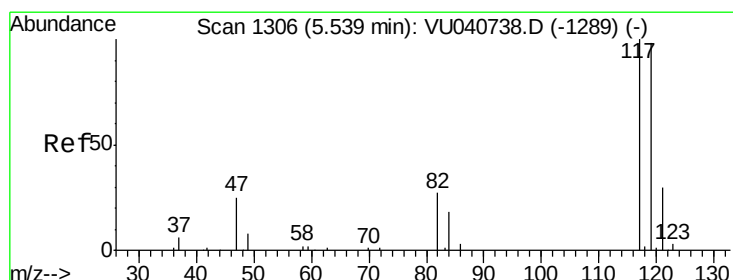
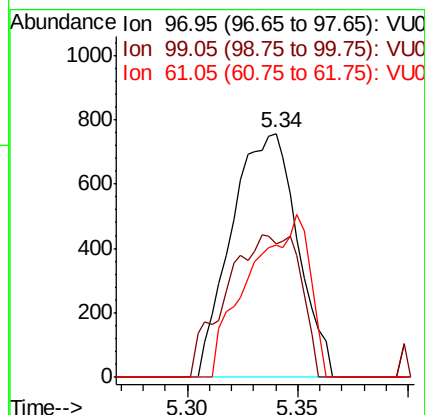
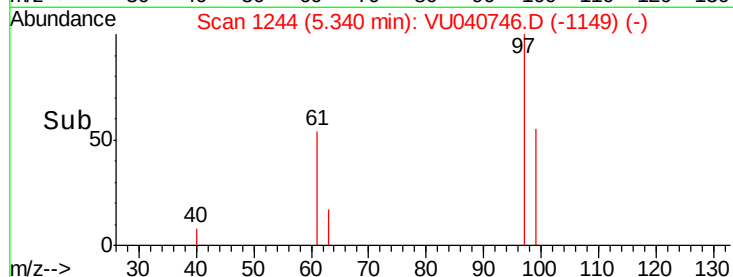
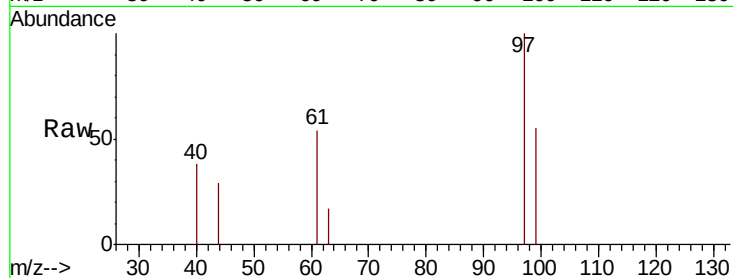




#29
 1,1,1-Trichloroethane
 Concen: 0.103 ug/L
 RT: 5.34 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VU040746.D
 Acq: 16 Oct 2020 14:01

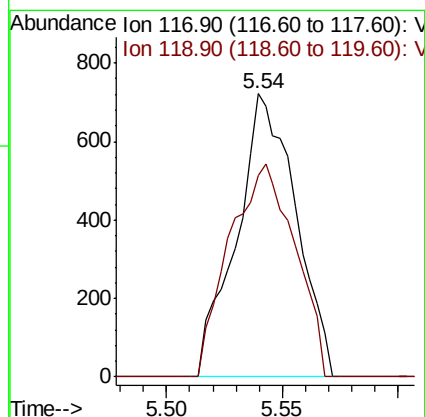
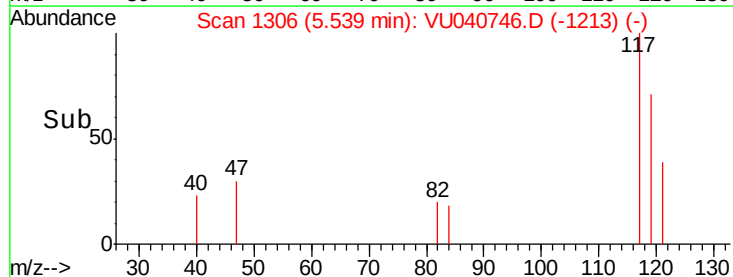
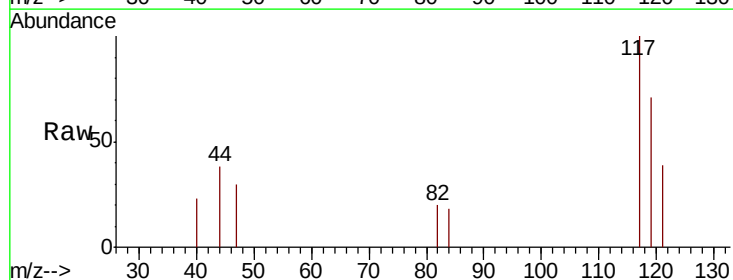
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH9

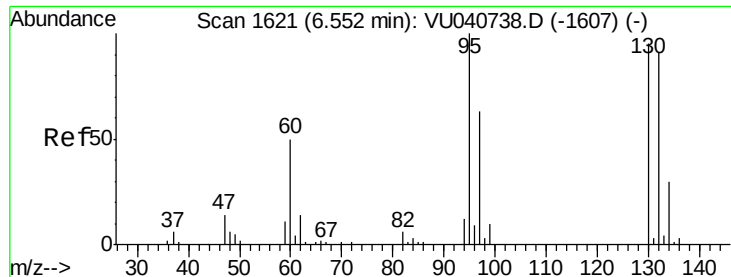
Tot Ion: 97 Resp: 1572
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.3 76.9
 61 60.5 39.4 59.2#



#31
 Carbon tetrachloride
 Concen: 0.098 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU040746.D
 Acq: 16 Oct 2020 14:01

Tgt Ion: 117 Resp: 1279
 Ion Ratio Lower Upper
 117 100
 119 83.7 76.2 114.2





#34

Trichloroethene

Concen: 4.279 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040746.D

Acq: 16 Oct 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

C0AH9

Tot Ion: 95 Resp: 40592

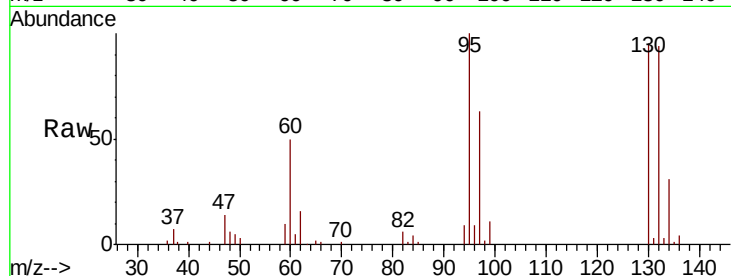
Ion Ratio Lower Upper

95 100

97 63.4 45.5 84.5

132 93.9 67.5 125.4

130 94.8 69.9 129.9

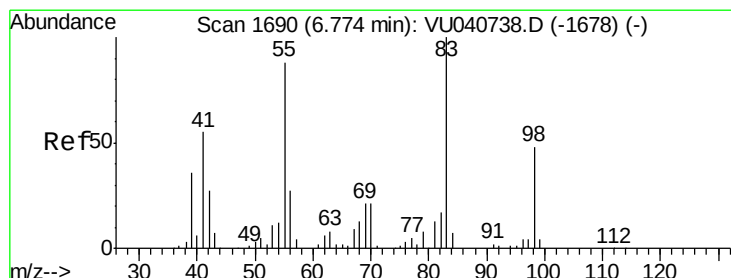
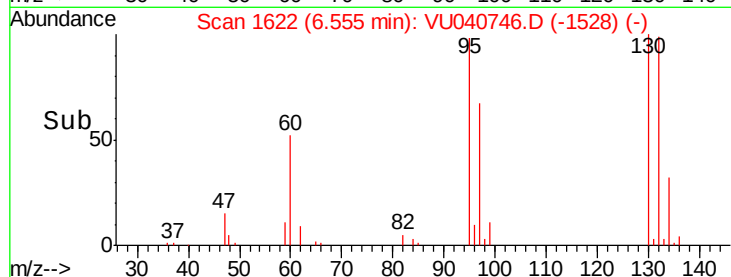
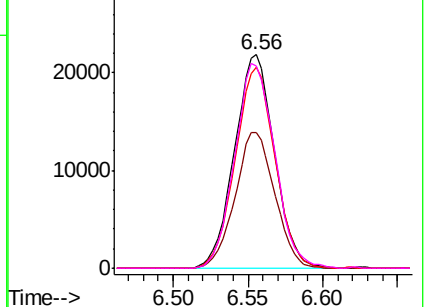


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.955 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040746.D

Acq: 16 Oct 2020 14:01

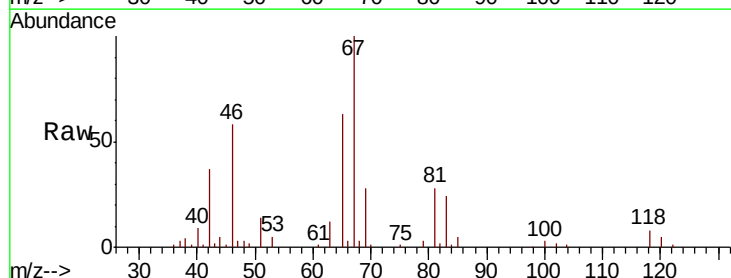
Tgt Ion: 83 Resp: 12843

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

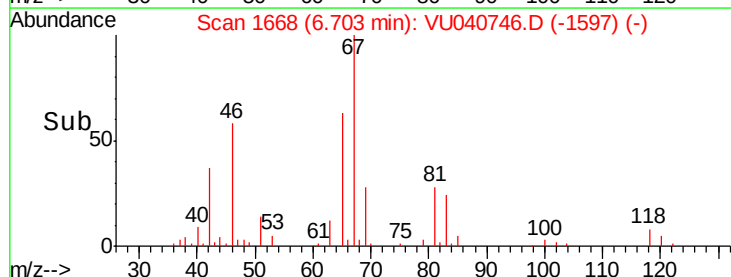
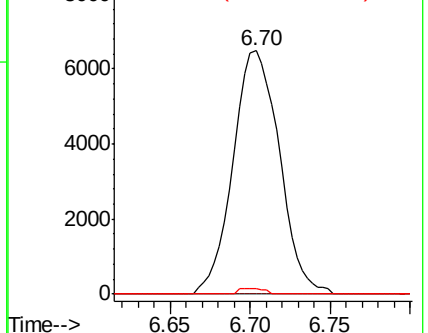
98 1.2 38.4 57.6#

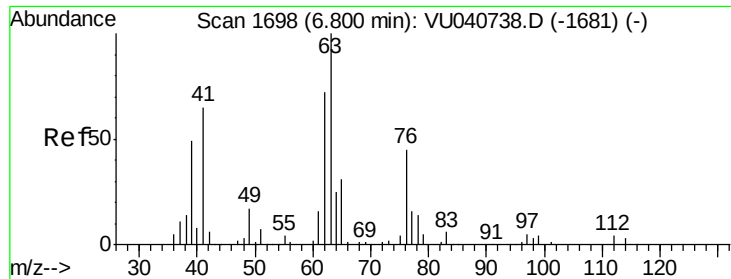


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

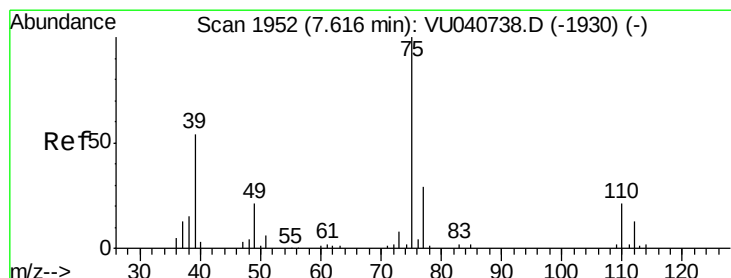
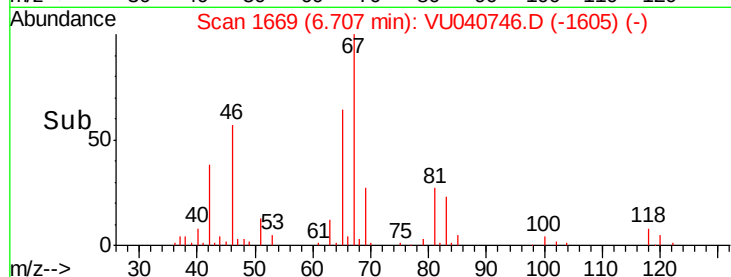
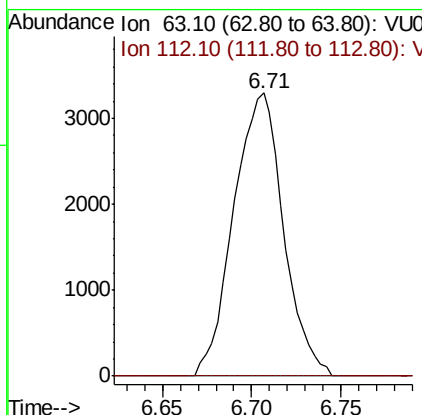
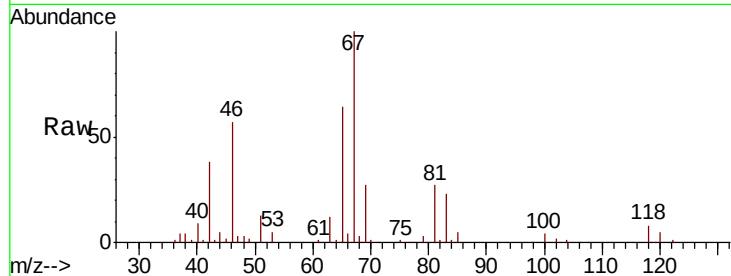




#37
 1,2-Dichloropropane
 Concen: 0.628 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU040746.D
 Acq: 16 Oct 2020 14:01

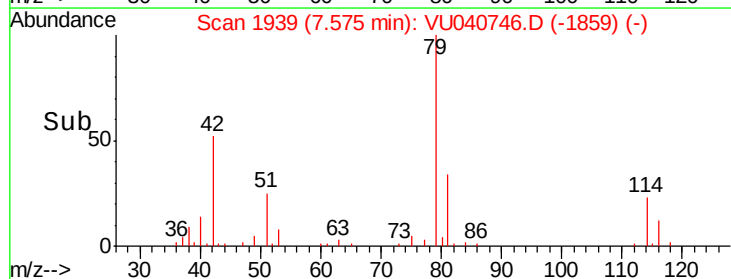
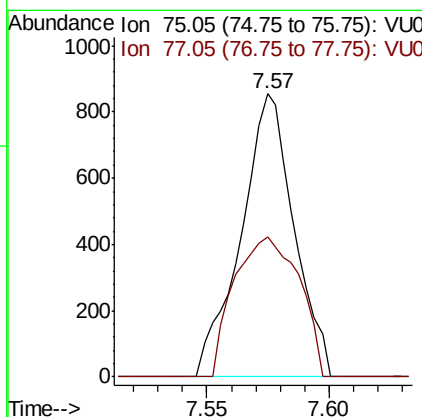
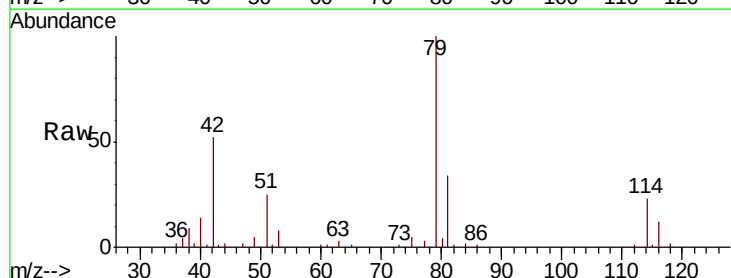
Instrument :
 MSVOA_U
 ClientSampled :
 C0AH9

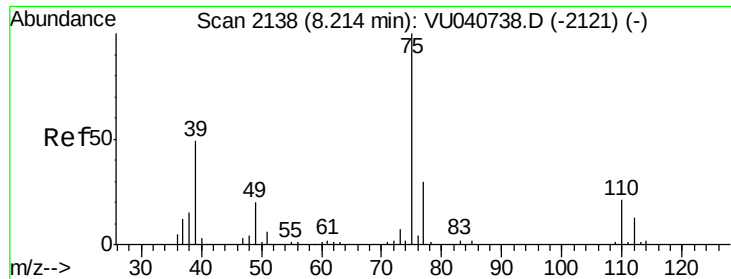
Tot Ion: 63 Resp: 6408
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040746.D
 Acq: 16 Oct 2020 14:01

Tgt Ion: 75 Resp: 1285
 Ion Ratio Lower Upper
 75 100
 77 49.4 20.5 38.1#

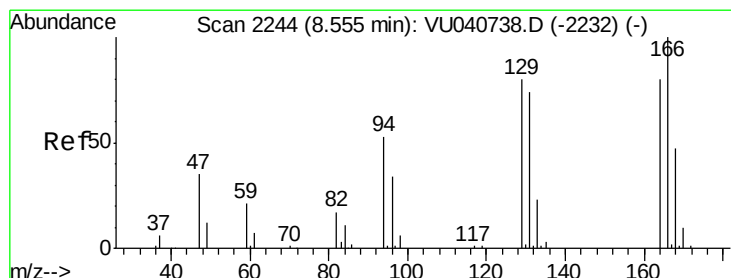
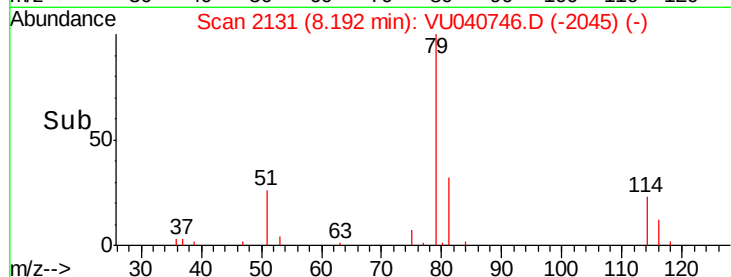
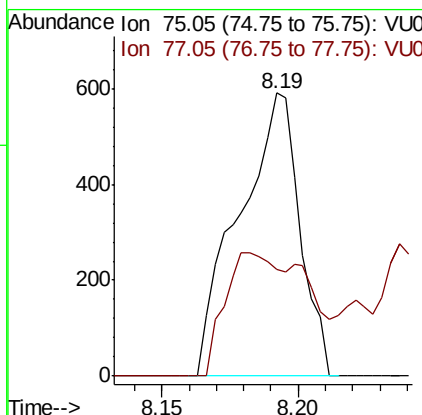
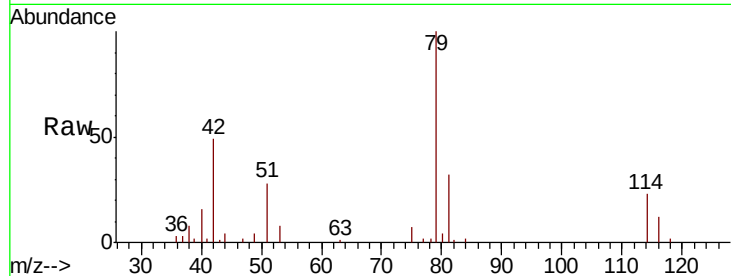




#44
trans-1,3-Dichloropropene
Concen: 0.071 ug/L
RT: 8.19 min Scan# 2131
Delta R.T. -0.02 min
Lab File: VU040746.D
Acq: 16 Oct 2020 14:01

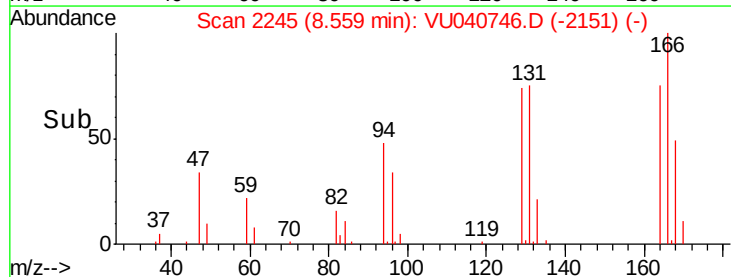
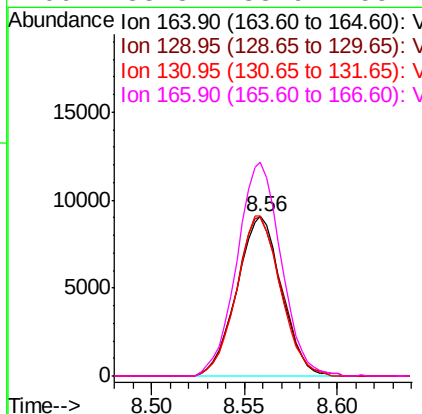
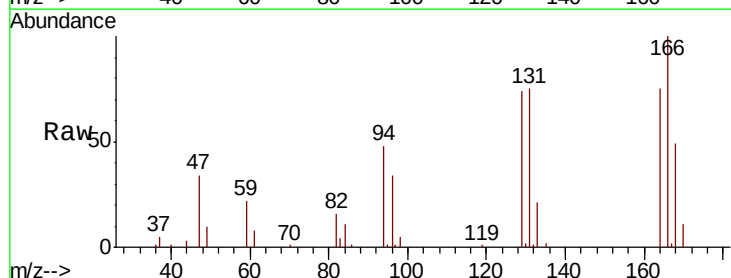
Instrument :
MSVOA_U
ClientSampleId :
C0AH9

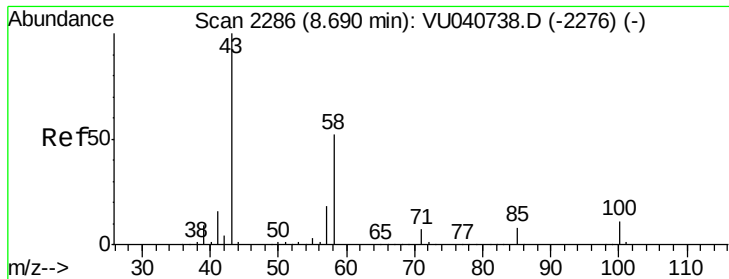
Tot Ion: 75 Resp: 913
Ion Ratio Lower Upper
75 100
77 37.7 20.4 38.0



#47
Tetrachloroethene
Concen: 2.228 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040746.D
Acq: 16 Oct 2020 14:01

Tgt Ion:164 Resp: 15082
Ion Ratio Lower Upper
164 100
129 99.1 68.8 127.8
131 99.9 66.7 123.9
166 133.8 83.9 155.7

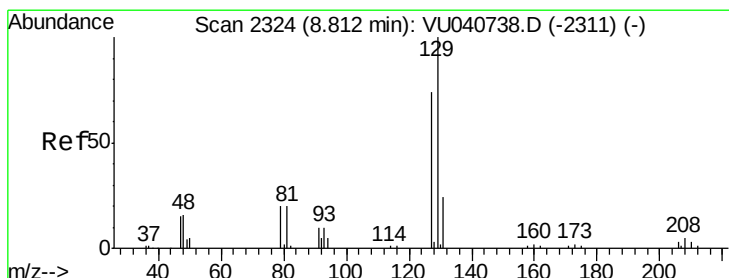
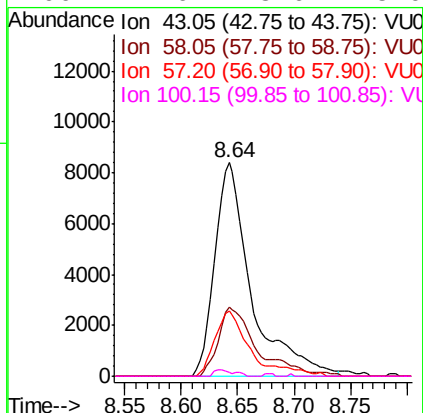
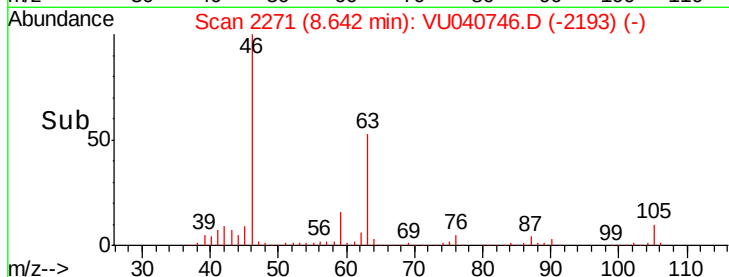
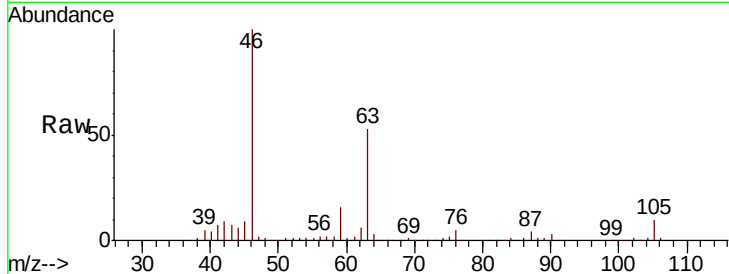




#48
2-Hexanone
Concen: 3.106 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040746.D
Acq: 16 Oct 2020 14:01

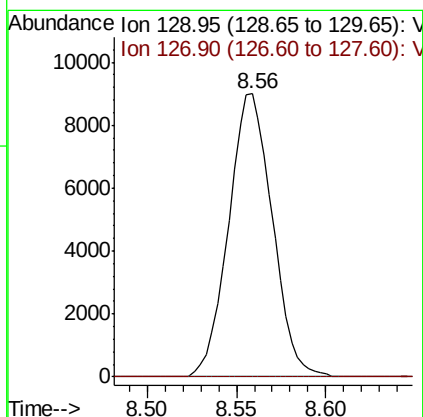
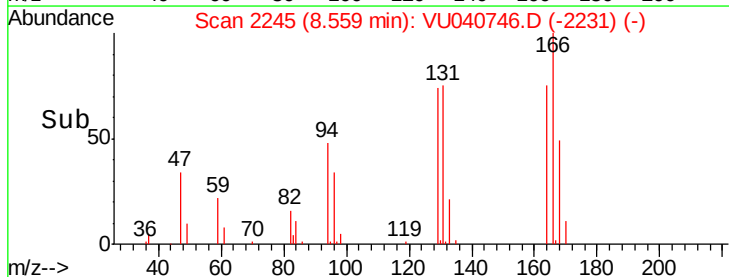
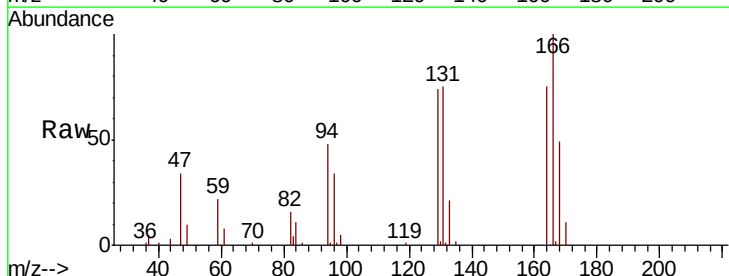
Instrument :
MSVOA_U
ClientSampleId :
C0AH9

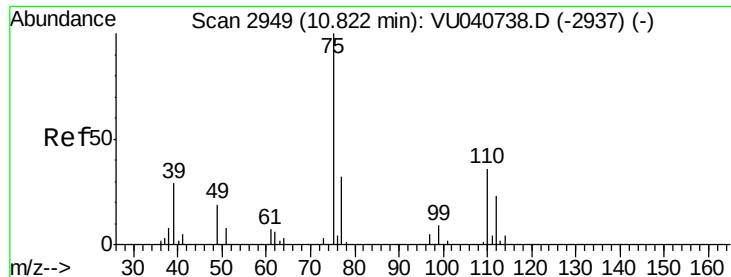
Tot Ion: 43 Resp: 18801
Ion Ratio Lower Upper
43 100
58 33.8 41.0 61.6#
57 25.9 14.4 21.6#
100 1.6 8.6 13.0#



#49
Dibromochloromethane
Concen: 1.743 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040746.D
Acq: 16 Oct 2020 14:01

Tgt Ion: 129 Resp: 15321
Ion Ratio Lower Upper
129 100
127 0.0 55.8 103.6#





#59

1,2,3-Trichloropropane

Concen: 0.786 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040746.D

Acq: 16 Oct 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

C0AH9

Tot Ion: 75 Resp: 5891

Ion Ratio Lower Upper

75 100

77 40.5 26.4 39.6#

