

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038874.D
 Acq On : 13 Jun 2020 01:41
 Operator : SY/MD
 Sample : L2975-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 02:57:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 02:52:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	261263	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	264799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	121198	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	61557	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.93	69	60585	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.59	63	115423	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.68	46	310342	69.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	138.88%#
24) Chloroform-d	5.10	84	173057	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.74	65	104193	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.00%
32) Benzene-d6	5.76	84	320364	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.72	67	104779	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.92	98	258903	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	8.20	79	36465	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.65	63	265497	72.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	145.38%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	96600	5.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	111748	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	29354	1.153 ug/L	95
9) Trichlorofluoromethane	2.16	101	221466	6.690 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	7687	0.406 ug/L #	84
12) 1,1-Dichloroethene	2.60	96	19511	1.066 ug/L #	8
17) Methyl tert-butyl Ether	3.40	73	30359	0.644 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	5155	0.262 ug/L	95
19) 1,1-Dichloroethane	3.91	63	13326	0.377 ug/L	91
22) cis-1,2-Dichloroethene	4.71	96	93729	4.581 ug/L	99
25) Chloroform	5.13	83	10454	0.287 ug/L	90
29) 1,1,1-Trichloroethane	5.35	97	5558	0.170 ug/L	93
31) Carbon tetrachloride	5.56	117	3824	0.139 ug/L	97
34) Trichloroethene	6.57	95	942397	45.102 ug/L	98
35) Methylcyclohexane	6.72	83	26050	0.802 ug/L #	16
37) 1,2-Dichloropropane	6.72	63	11254	0.558 ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	2564	0.086 ug/L #	58
47) Tetrachloroethene	8.57	164	735956	45.752 ug/L	99
49) Dibromochloromethane	8.57	129	692008	40.324 ug/L #	10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
Data File : VU038874.D
Acq On : 13 Jun 2020 01:41
Operator : SY/MD
Sample : L2975-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 13 02:57:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 13 02:52:53 2020
Response via : Initial Calibration

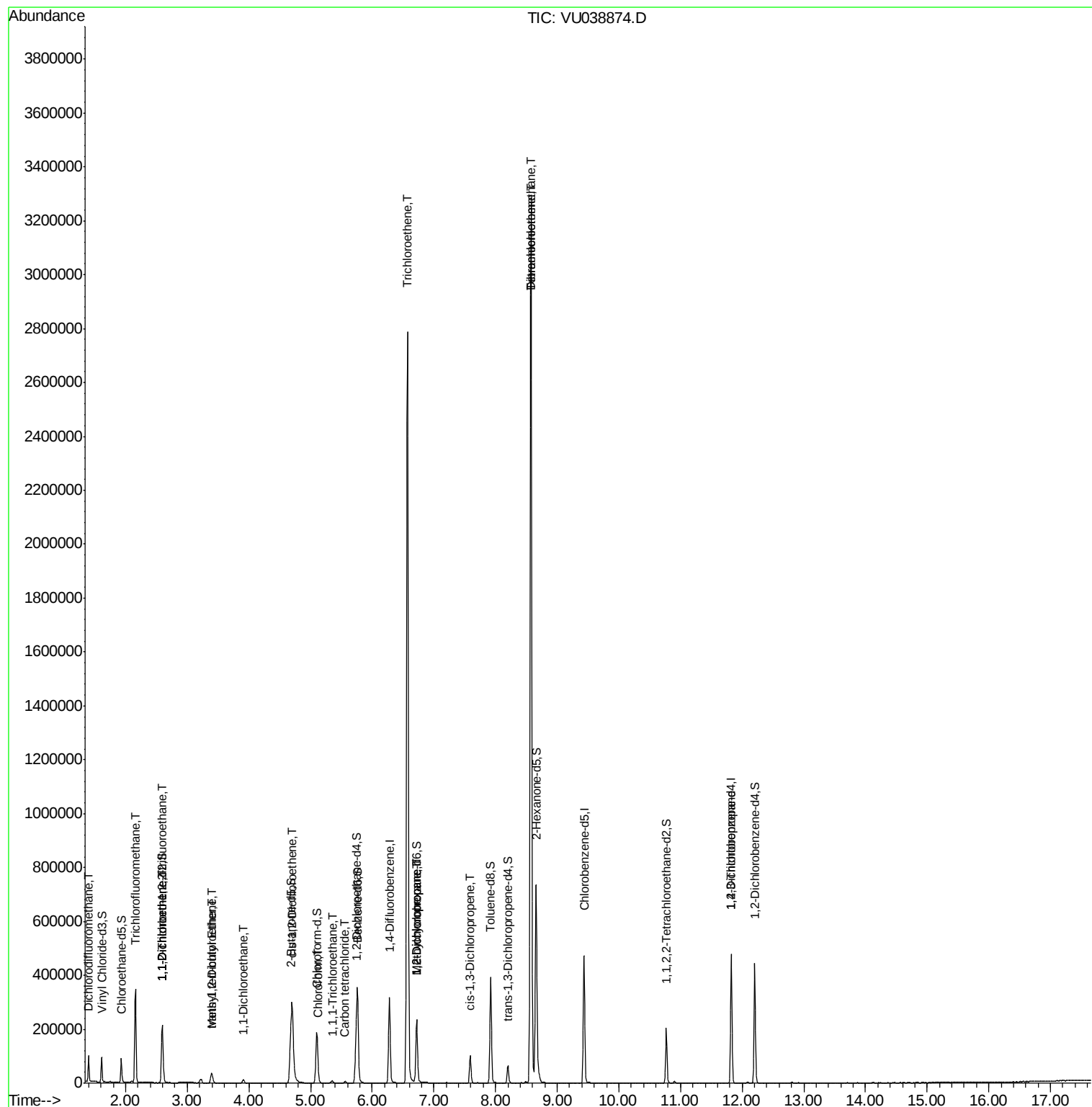
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.82	75	16063	1.074	ug/L	92

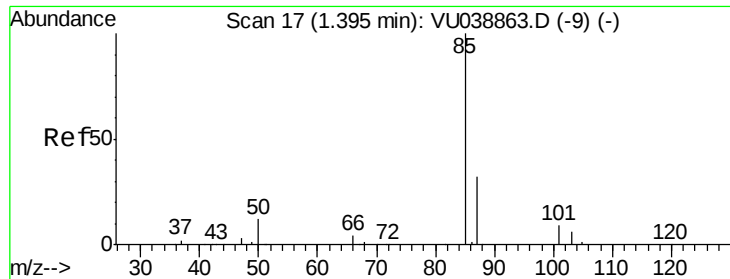
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061320\
Data File : VU038874.D
Acq On : 13 Jun 2020 01:41
Operator : SY/MD
Sample : L2975-13
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 13 02:57:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 13 02:52:53 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.153 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

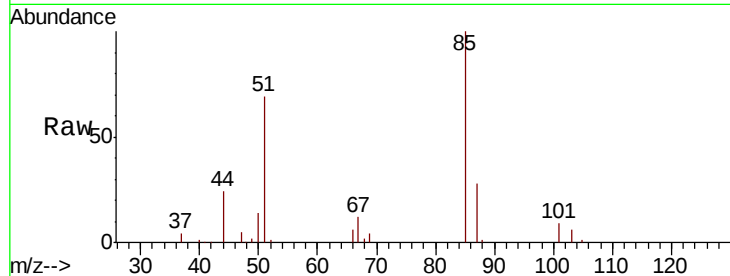
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 29354

Ion Ratio Lower Upper

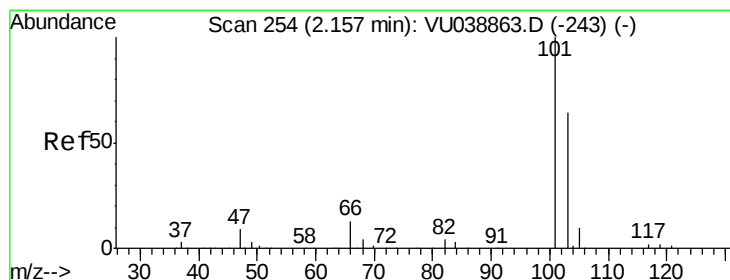
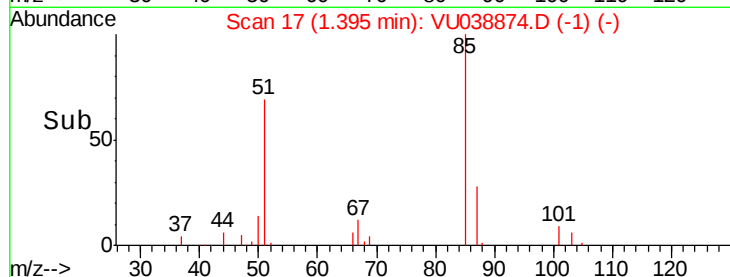
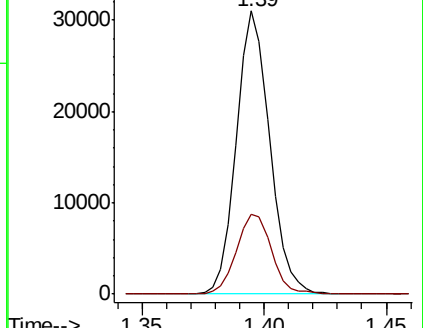
85 100

87 29.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU038863.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038863.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 6.690 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038874.D

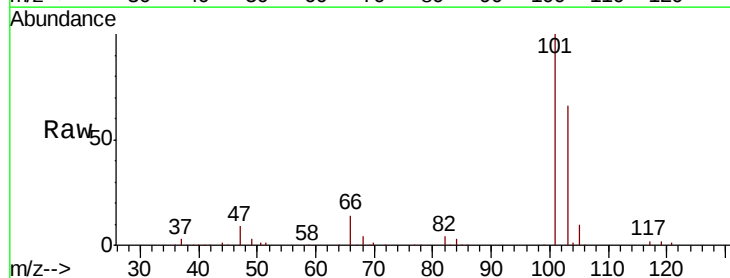
Acq: 13 Jun 2020 01:41

Tgt Ion: 101 Resp: 221466

Ion Ratio Lower Upper

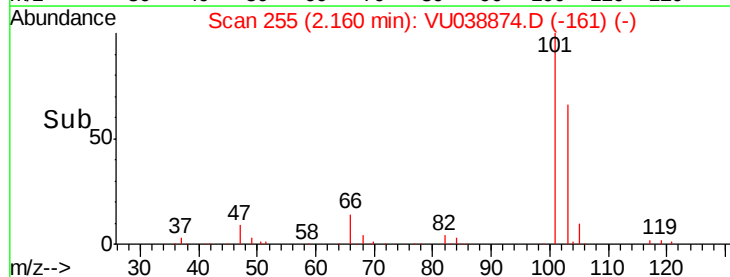
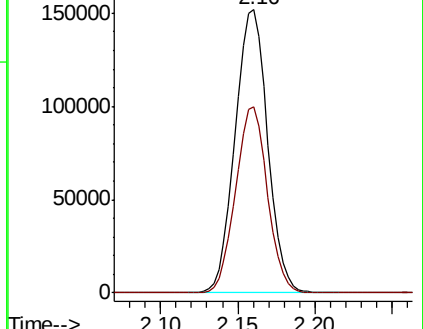
101 100

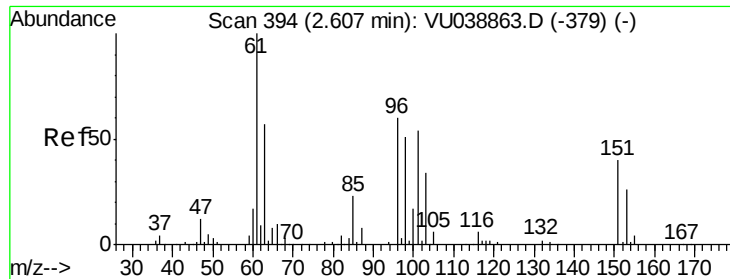
103 64.5 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VU038863.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU038863.D (-243) (-)





#10

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

Concen: 0.406 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

Instrument :

MSVOA_U

ClientSampleId :

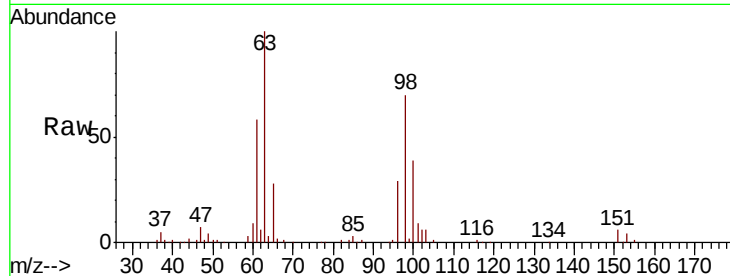
Tot Ion:101 Resp: 7687

Ion Ratio Lower Upper

101 100

85 30.8 34.5 51.7#

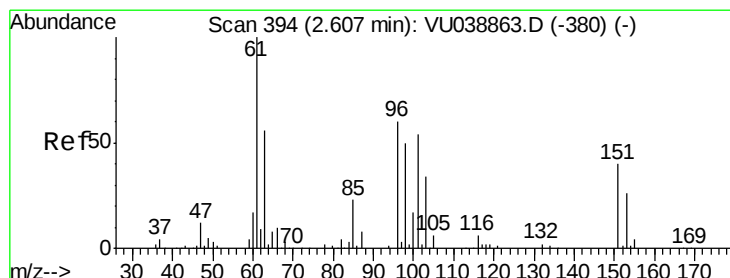
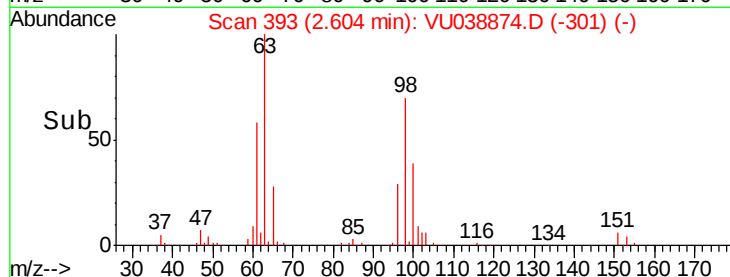
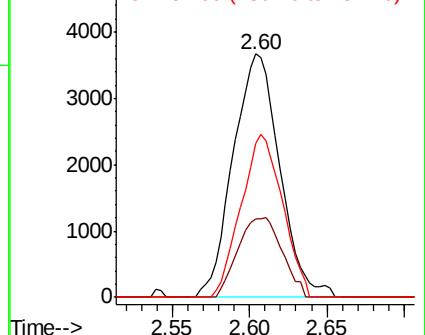
151 59.7 56.5 84.7



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: 1.066 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

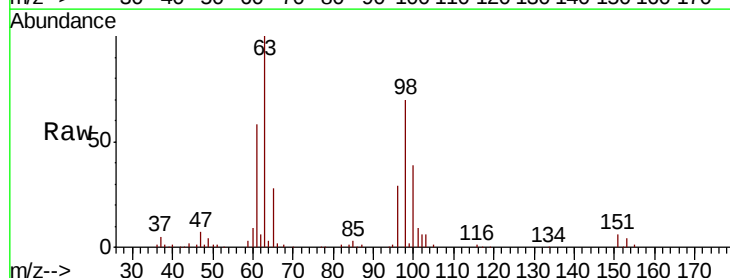
Tgt Ion: 96 Resp: 19511

Ion Ratio Lower Upper

96 100

61 201.0 120.2 223.2

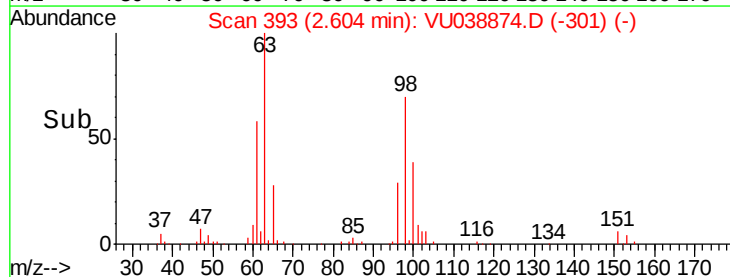
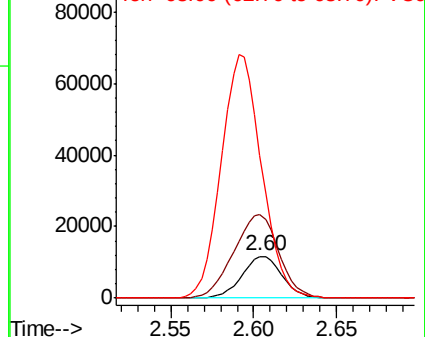
63 343.8 90.1 167.3#

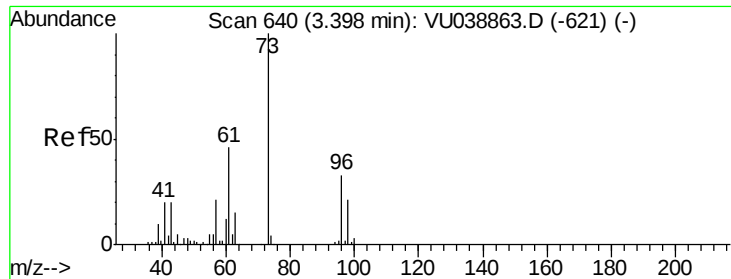


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

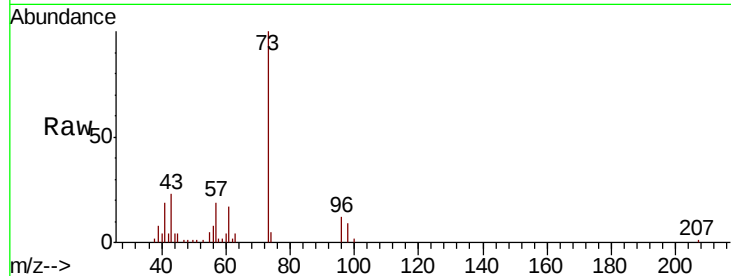




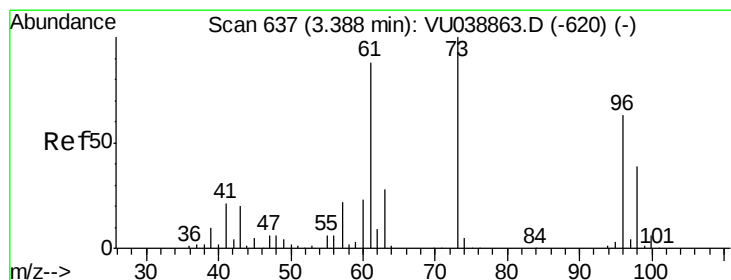
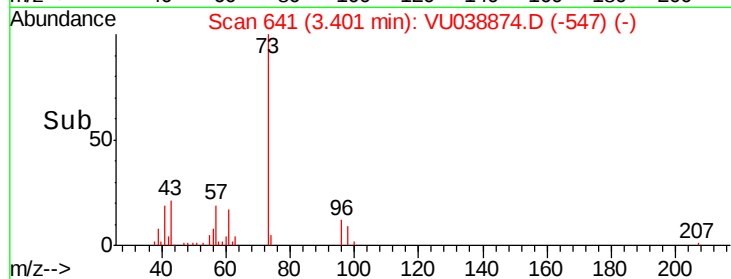
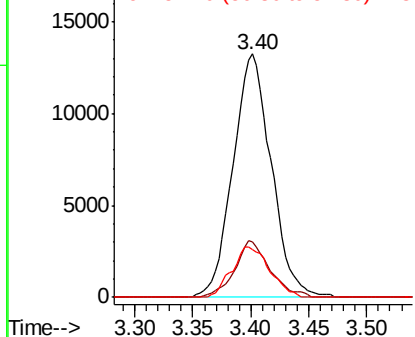
#17
Methvl tert-butvl Ether
Concen: 0.644 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038874.D
Acq: 13 Jun 2020 01:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 30359
Ion Ratio Lower Upper
73 100
43 21.5 15.9 23.9
57 20.3 17.5 26.3

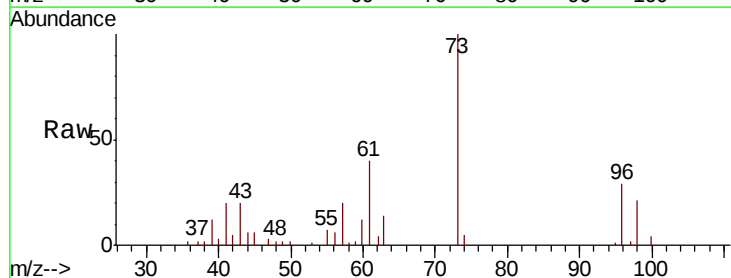


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

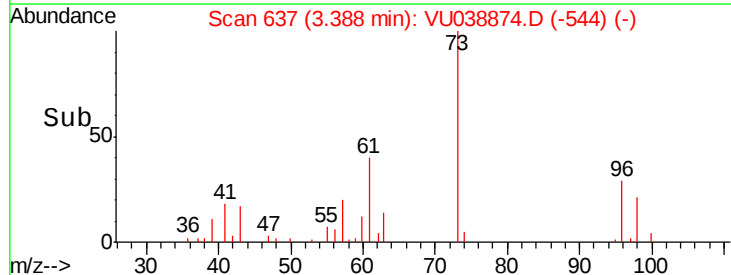
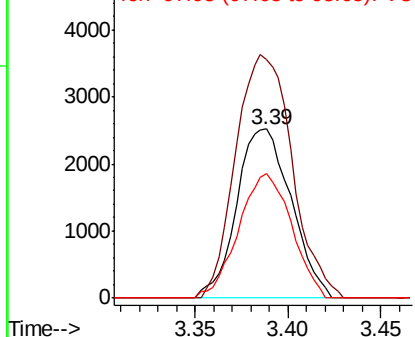


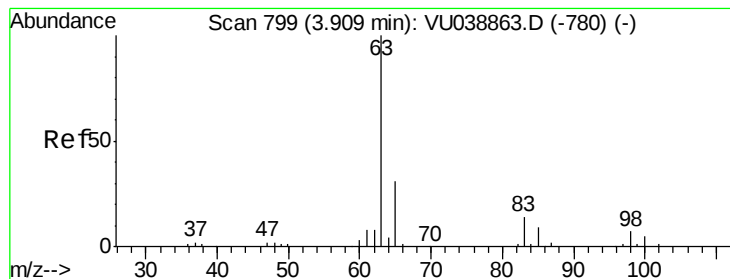
#18
trans-1,2-Dichloroethene
Concen: 0.262 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038874.D
Acq: 13 Jun 2020 01:41

Tgt Ion: 96 Resp: 5155
Ion Ratio Lower Upper
96 100
61 141.5 99.3 184.5
98 73.8 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.377 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

Instrument :

MSVOA_U

ClientSampleId :

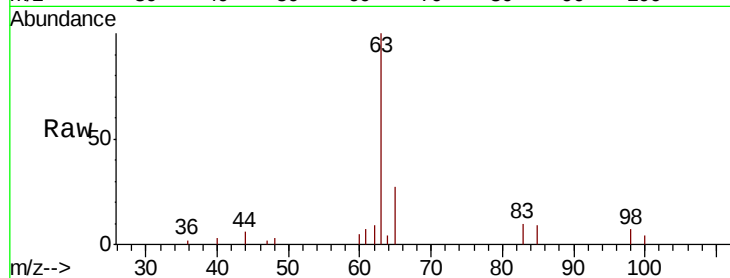
Tot Ion: 63 Resp: 13326

Ion Ratio Lower Upper

63 100

65 27.4 22.3 41.5

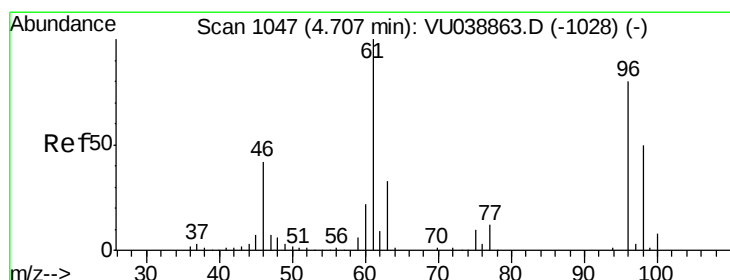
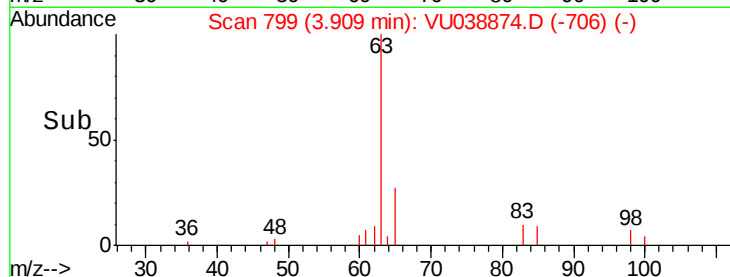
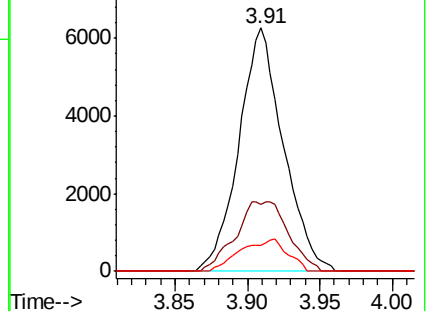
83 10.4 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU038874.D (-954) (-)

Ion 65.10 (64.80 to 65.80): VU038874.D (-954) (-)

Ion 83.05 (82.75 to 83.75): VU038874.D (-954) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.581 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

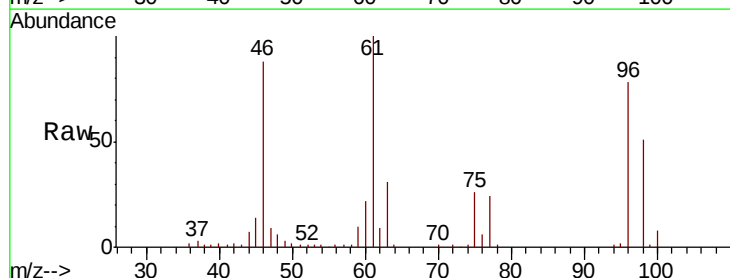
Tgt Ion: 96 Resp: 93729

Ion Ratio Lower Upper

96 100

61 127.5 89.7 166.7

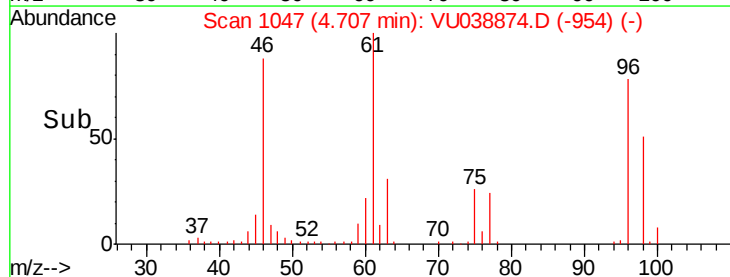
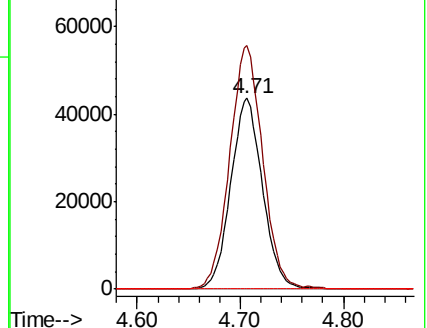
68 0.0 0.0 0.0

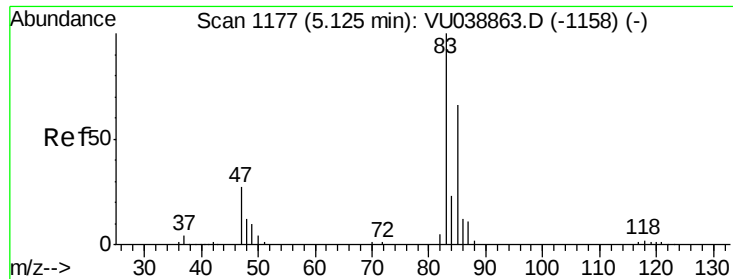


Abundance Ion 96.00 (95.70 to 96.70): VU038874.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038874.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038874.D (-954) (-)

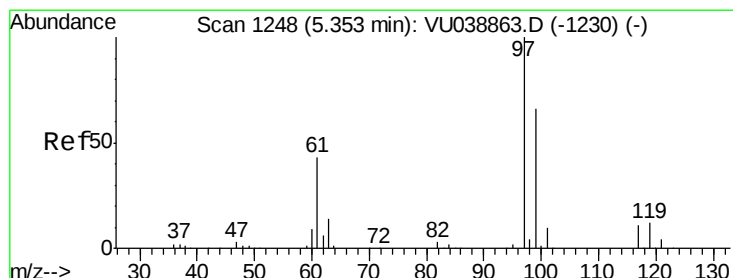
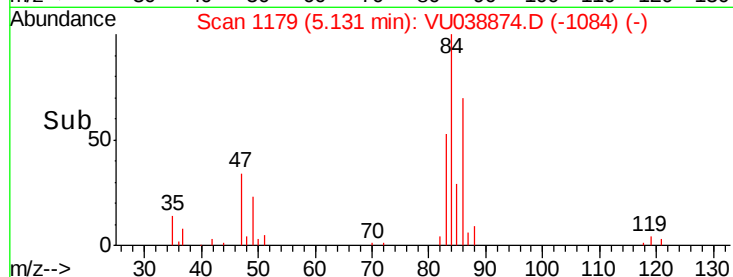
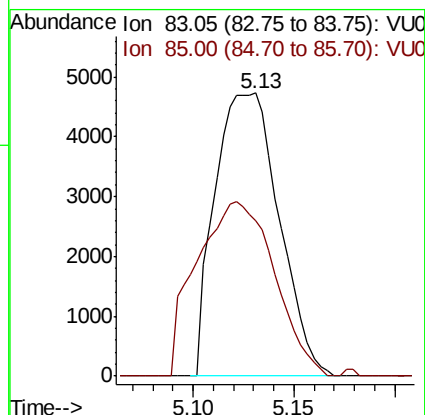
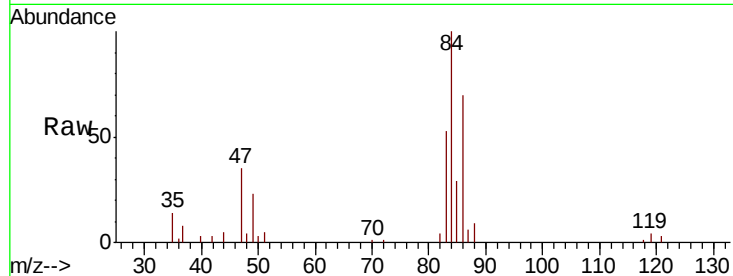




#25
Chloroform
Concen: 0.287 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VU038874.D
Acq: 13 Jun 2020 01:41

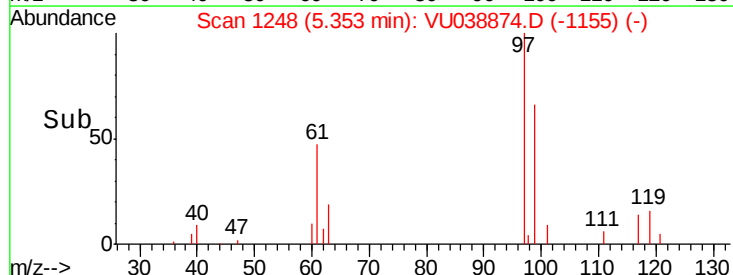
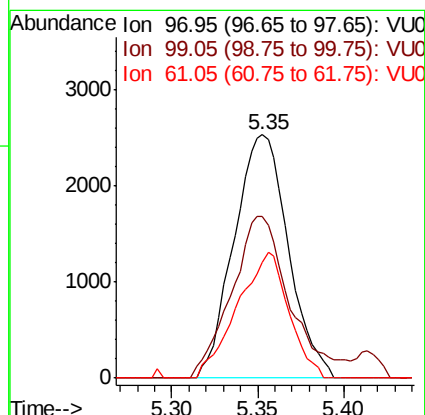
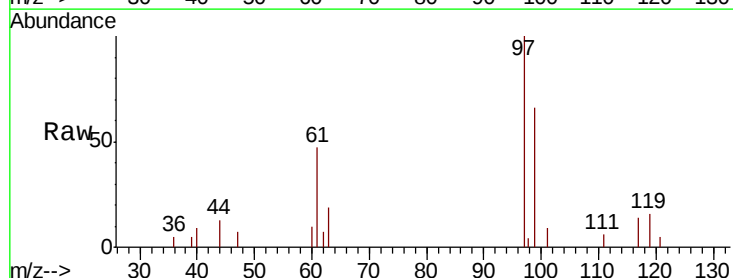
Instrument :
MSVOA_U
ClientSampled :

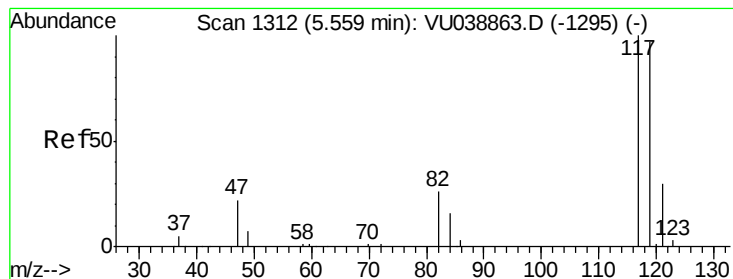
Tot Ion: 83 Resp: 10454
Ion Ratio Lower Upper
83 100
85 55.0 44.1 81.9



#29
1,1,1-Trichloroethane
Concen: 0.170 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038874.D
Acq: 13 Jun 2020 01:41

Tgt Ion: 97 Resp: 5558
Ion Ratio Lower Upper
97 100
99 70.9 52.1 78.1
61 48.9 35.9 53.9





#31

Carbon tetrachloride

Concen: 0.139 ug/L

RT: 5.56 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

Instrument :

MSVOA_U

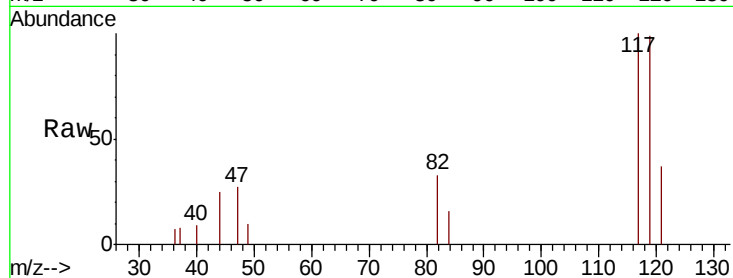
ClientSampleId :

Tot Ion:117 Resp: 3824

Ion Ratio Lower Upper

117 100

119 98.3 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

2000

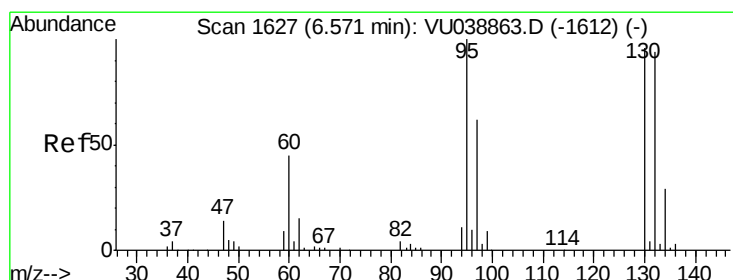
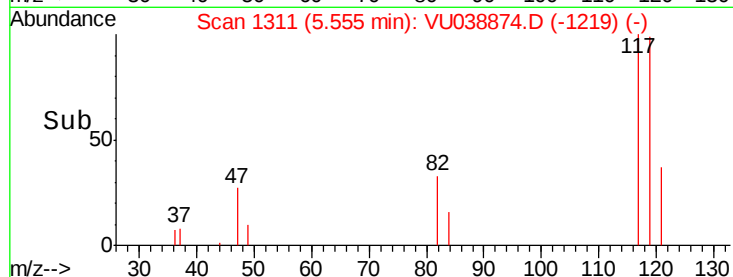
1500

1000

500

0

Time-->



#34

Trichloroethene

Concen: 45.102 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

Tgt Ion: 95 Resp: 942397

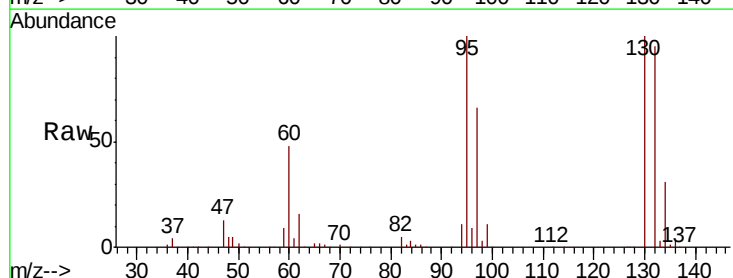
Ion Ratio Lower Upper

95 100

97 65.6 46.1 85.5

132 95.4 67.5 125.3

130 99.9 66.7 123.9



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

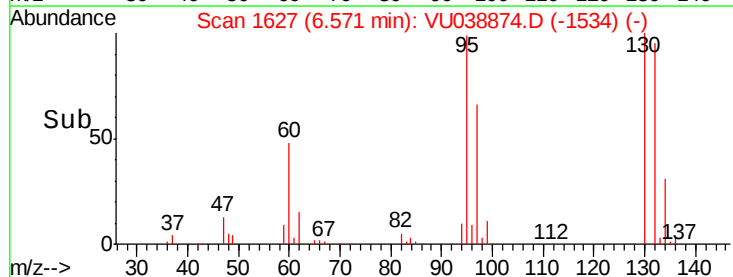
600000

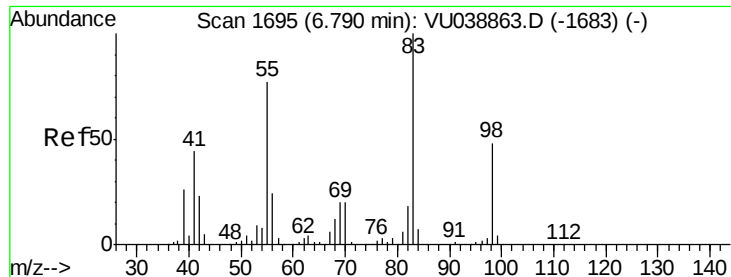
400000

200000

0

Time-->

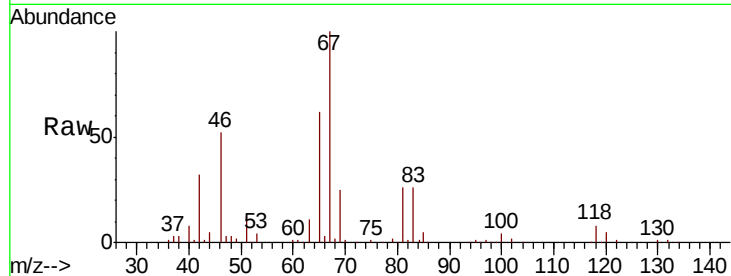




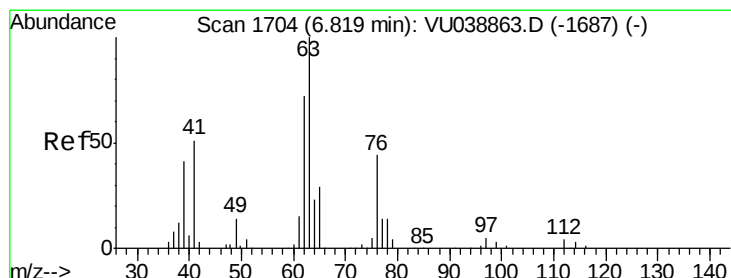
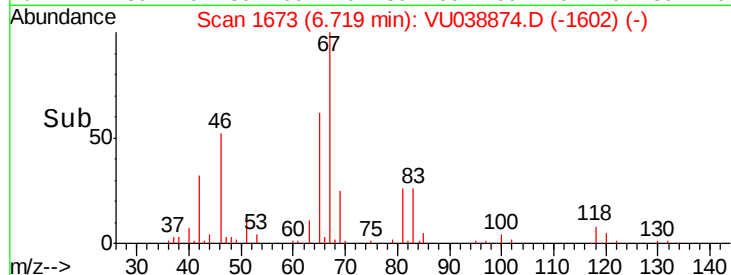
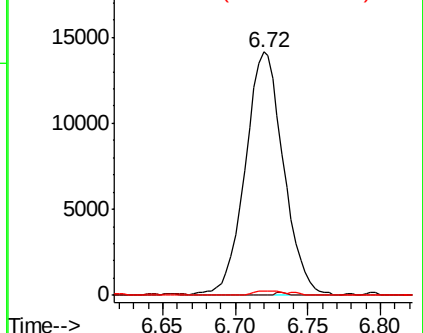
#35
Methvlcvclohexane
Concen: 0.802 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038874.D
Acq: 13 Jun 2020 01:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 26050
Ion Ratio Lower Upper
83 100
55 0.3 64.2 96.2#
98 0.0 40.5 60.7#

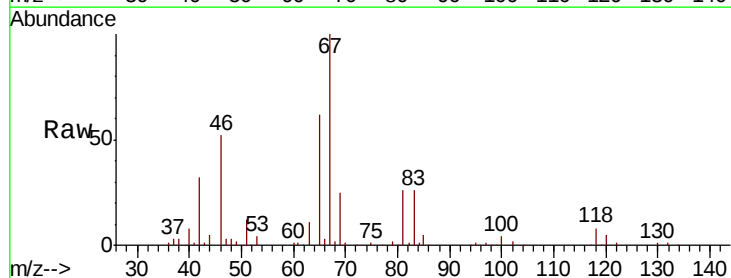


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

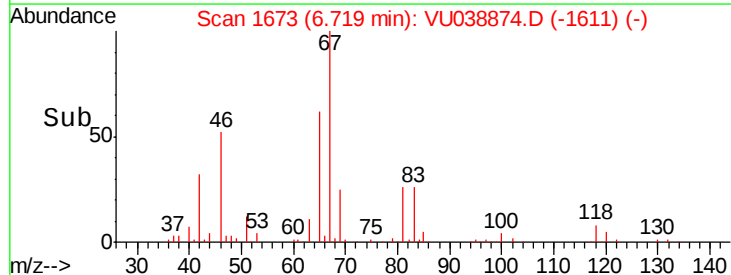
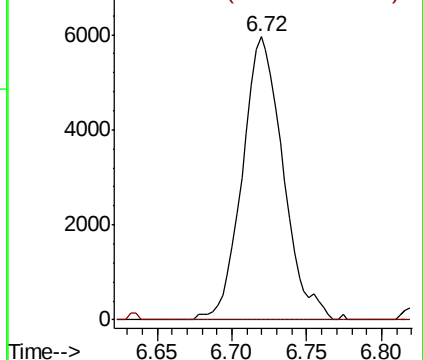


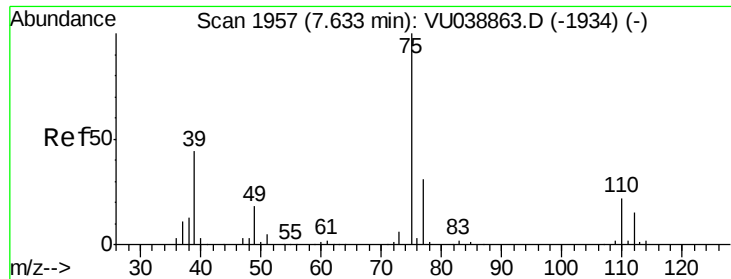
#37
1,2-Dichloropropane
Concen: 0.558 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038874.D
Acq: 13 Jun 2020 01:41

Tgt Ion: 63 Resp: 11254
Ion Ratio Lower Upper
63 100
112 0.5 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

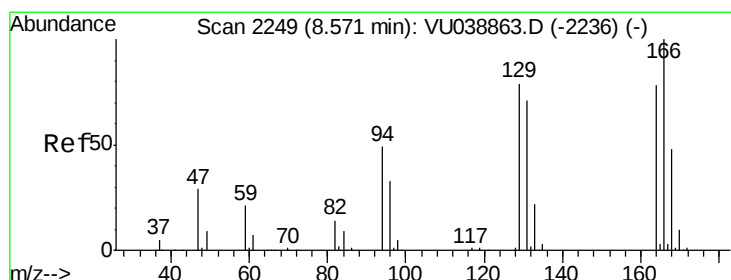
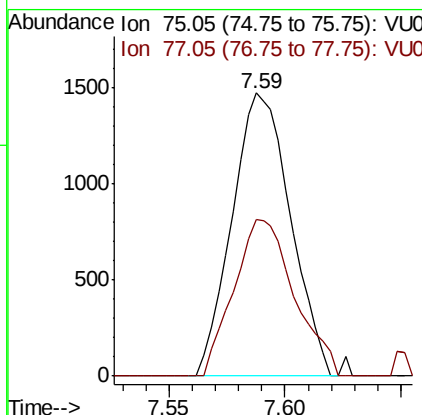
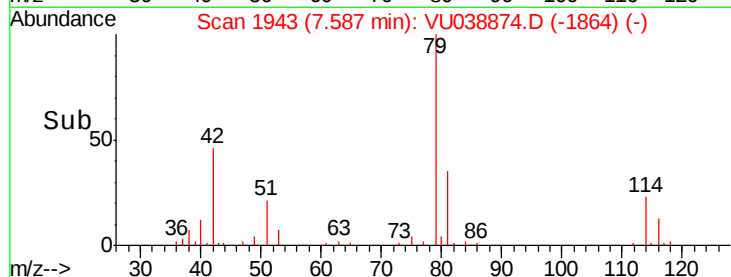
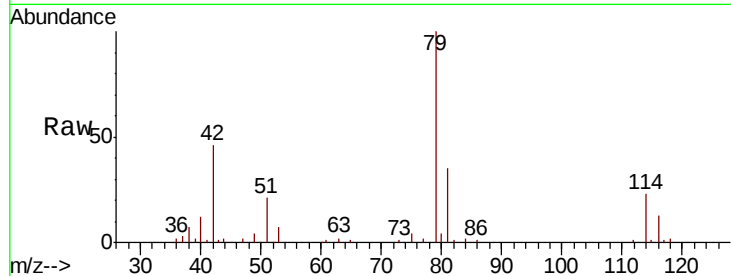




#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038874.D
 Acq: 13 Jun 2020 01:41

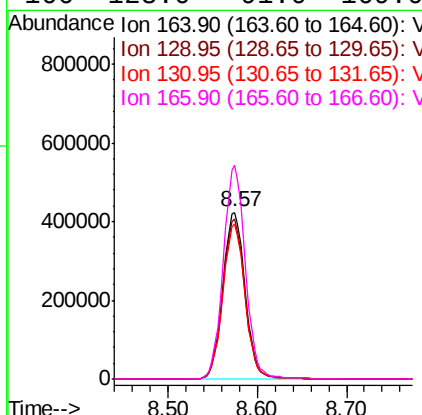
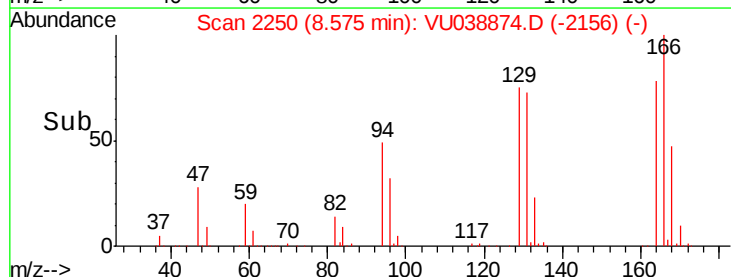
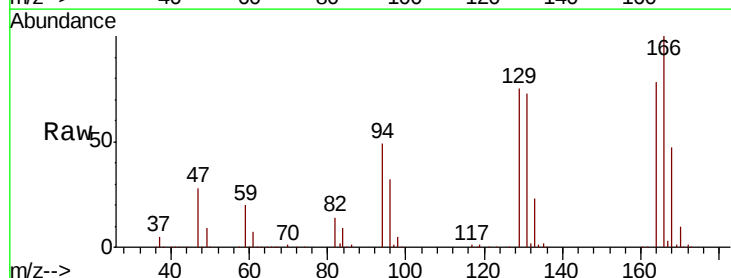
Instrument :
 MSVOA_U
 ClientSampleId :

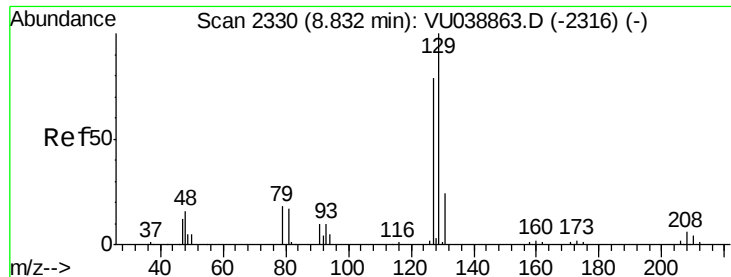
Tot Ion: 75 Resp: 2564
 Ion Ratio Lower Upper
 75 100
 77 55.4 22.4 41.6#



#47
 Tetrachloroethene
 Concen: 45.752 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038874.D
 Acq: 13 Jun 2020 01:41

Tgt Ion: 164 Resp: 735956
 Ion Ratio Lower Upper
 164 100
 129 95.6 67.3 124.9
 131 92.9 65.0 120.6
 166 128.0 91.0 169.0

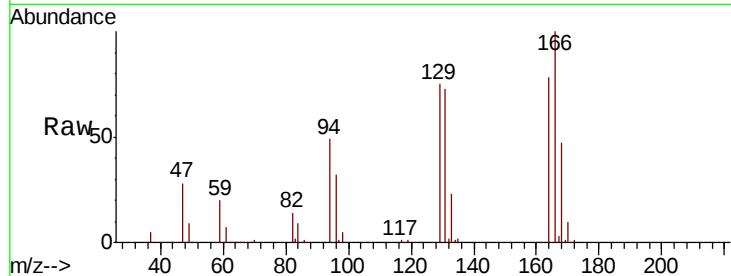




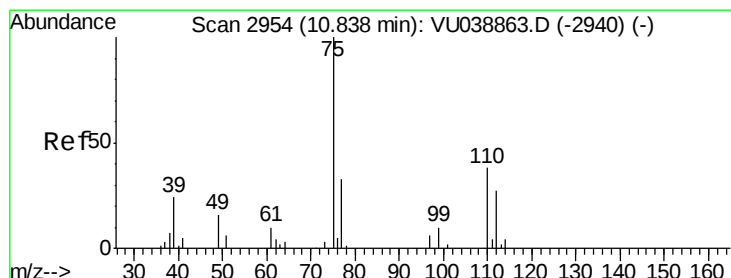
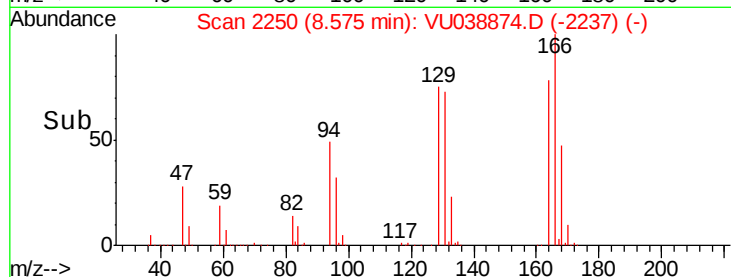
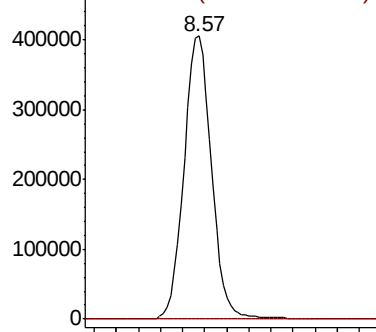
#49
 Dibromochloromethane
 Concen: 40.324 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.26 min
 Lab File: VU038874.D
 Acq: 13 Jun 2020 01:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 692008
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.5 103.1#

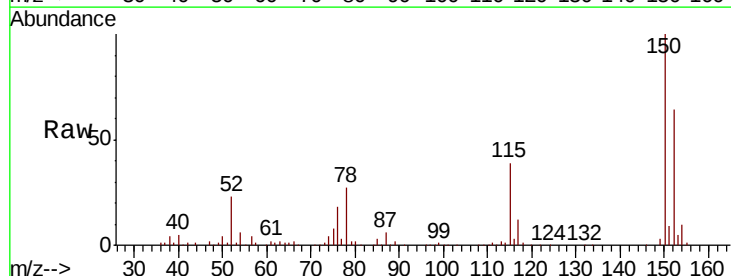


Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V



#59
 1,2,3-Trichloropropane
 Concen: 1.074 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038874.D
 Acq: 13 Jun 2020 01:41

Tgt Ion: 75 Resp: 16063
 Ion Ratio Lower Upper
 75 100
 77 36.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

