

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110420\
 Data File : VU041095.D
 Acq On : 04 Nov 2020 11:54
 Operator : SY/MD
 Sample : L4575-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 00:50:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 05 00:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	52405	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54120	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22540	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	15505	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.92	69	13033	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.00%
11) 1,1-Dichloroethene-d2	2.58	63	21991	2.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.00%#
20) 2-Butanone-d5	4.65	46	75802	52.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.56%
24) Chloroform-d	5.08	84	31835	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.72	65	21342	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.74	84	56093	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
36) 1,2-Dichloropropane-d6	6.70	67	20590	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.91	98	44869	3.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.40%#
43) trans-1,3-Dichloropropene-	8.19	79	7823	3.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.60%
46) 2-Hexanone-d5	8.64	63	54142	49.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	19759	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	17782	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	677	0.136	ug/L # 81
8) Chloroethane	1.95	64	174	0.056	ug/L # 43
9) Trichlorofluoromethane	2.15	101	39427	5.894	ug/L 98
13) Acetone	2.66	43	1555	1.569	ug/L # 52
15) Methyl Acetate	2.97	43	498	0.220	ug/L # 53
22) cis-1,2-Dichloroethene	4.68	96	2234	0.576	ug/L 92
25) Chloroform	5.11	83	1348	0.179	ug/L 96
27) 1,2-Dichloroethane	5.74	62	305	0.054	ug/L # 74
31) Carbon tetrachloride	5.54	117	876	0.149	ug/L 99
34) Trichloroethene	6.56	95	21684	5.269	ug/L 98
35) Methylcyclohexane	6.70	83	4562	0.743	ug/L # 13
37) 1,2-Dichloropropane	6.70	63	2531	0.578	ug/L # 86
39) cis-1,3-Dichloropropene	7.57	75	494	0.082	ug/L # 52
44) trans-1,3-Dichloropropene	8.19	75	319	0.057	ug/L # 78
45) 1,1,2-Trichloroethane	8.40	97	226	0.069	ug/L 85
47) Tetrachloroethene	8.56	164	69574	22.991	ug/L 96
48) 2-Hexanone	8.64	43	7628	2.904	ug/L # 68

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 05 00:43:32 2020
Response via : Initial Calibration

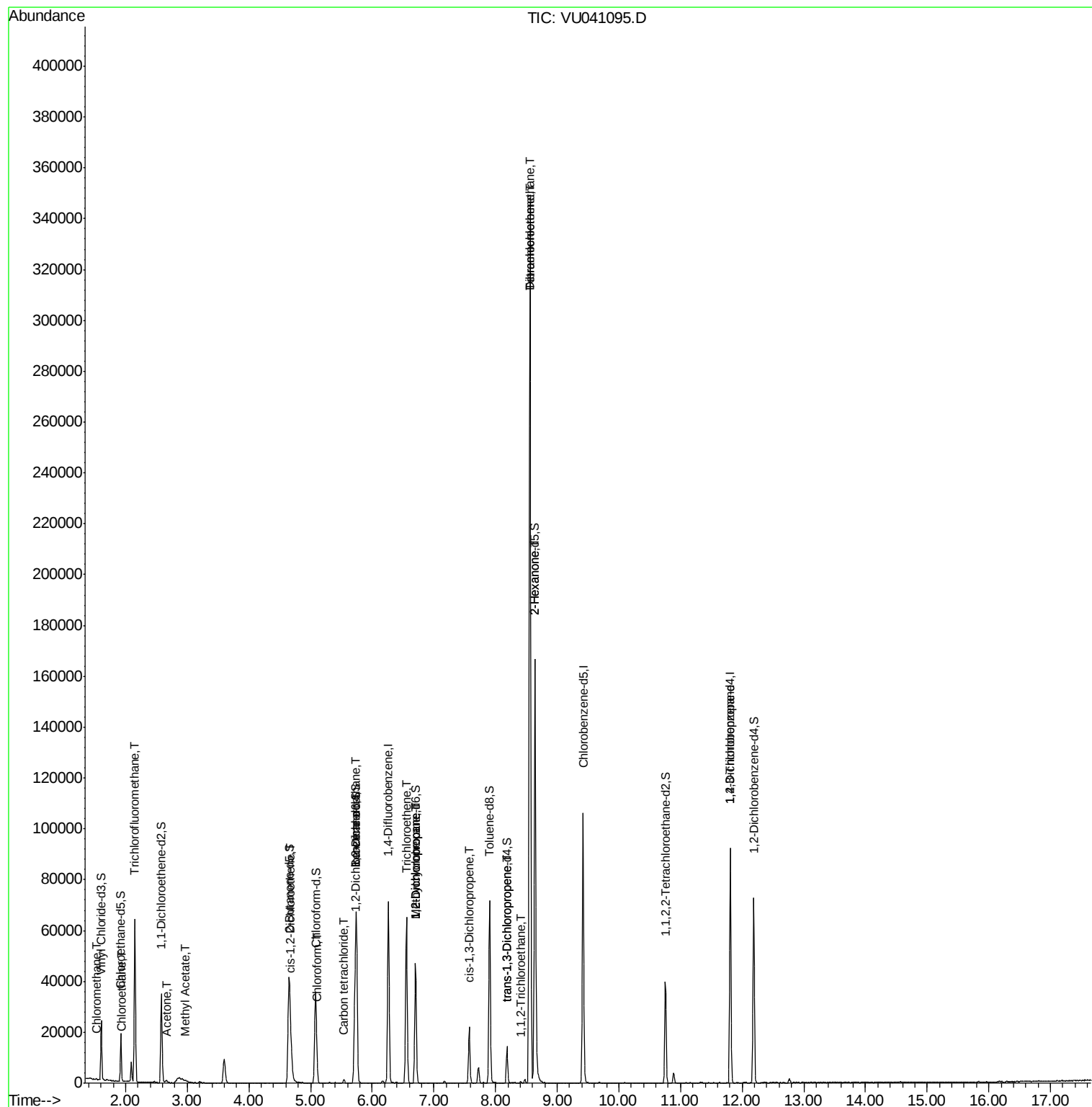
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	69904	18.480	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3135	0.961	ug/L #	86

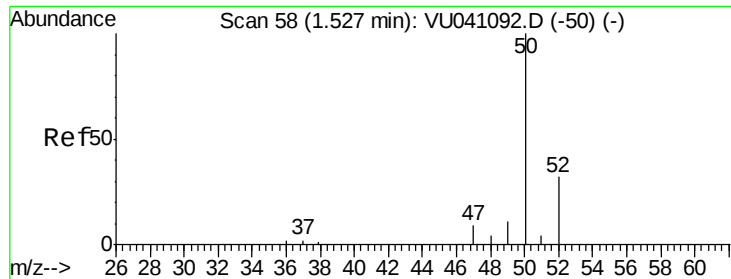
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.136 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041095.D

Acq: 04 Nov 2020 11:54

Instrument :

MSVOA_U

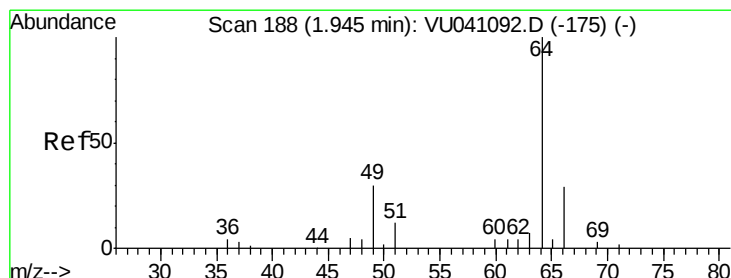
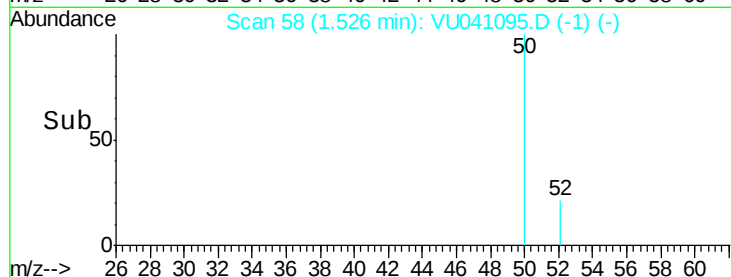
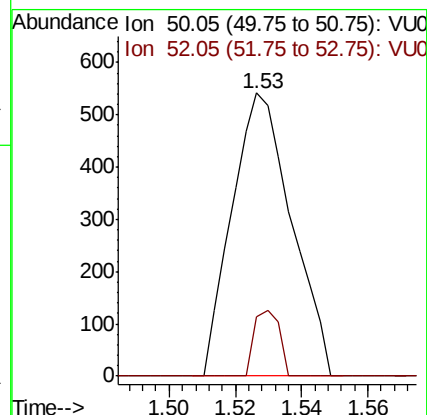
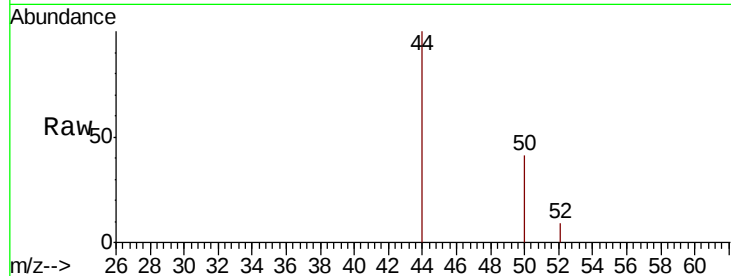
ClientSampled :

Tot Ion: 50 Resp: 677

Ion Ratio Lower Upper

50 100

52 21.2 22.4 41.6#



#8

Chloroethane

Concen: 0.056 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU041095.D

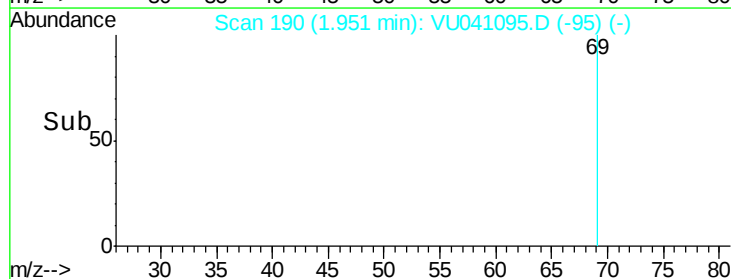
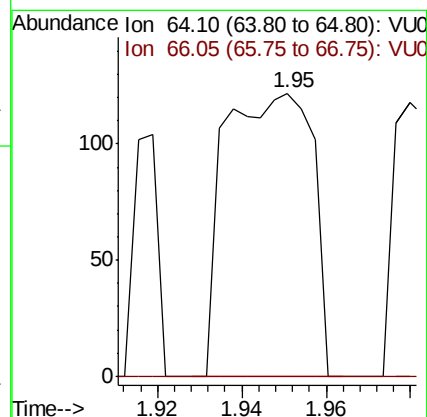
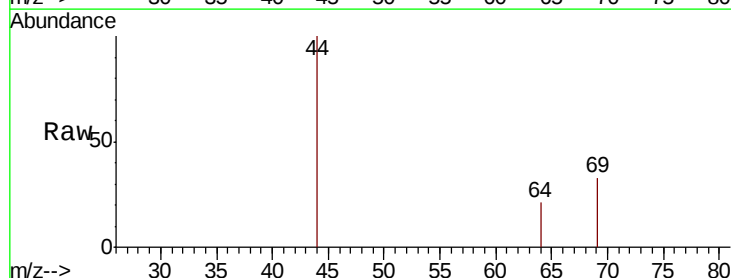
Acq: 04 Nov 2020 11:54

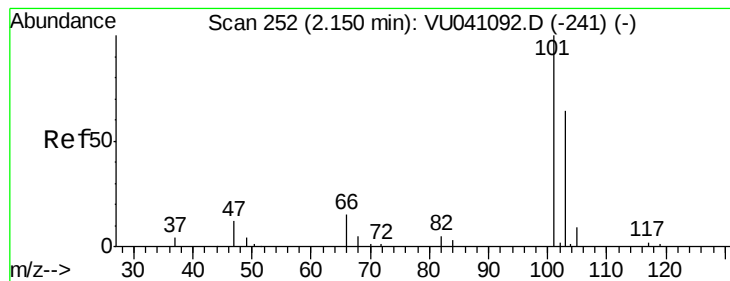
Tgt Ion: 64 Resp: 174

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#





#9

Trichlorofluoromethane

Concen: 5.894 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU041095.D

Acq: 04 Nov 2020 11:54

Instrument :

MSVOA_U

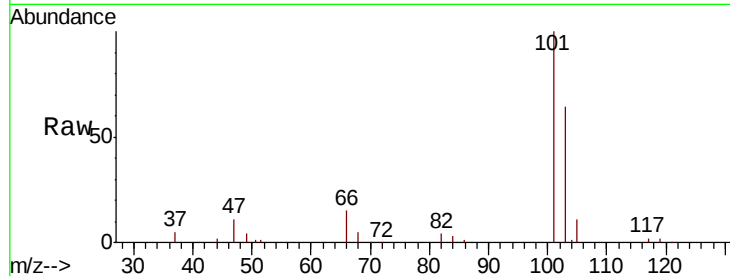
ClientSampleId :

Tot Ion:101 Resp: 39427

Ion Ratio Lower Upper

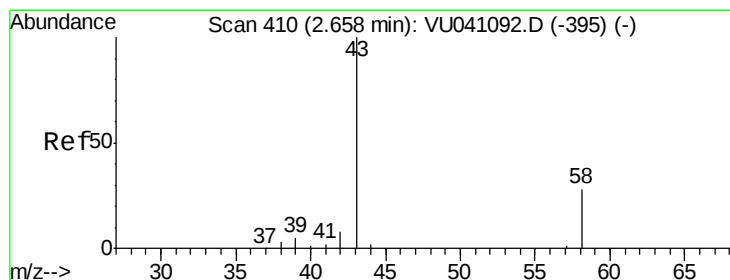
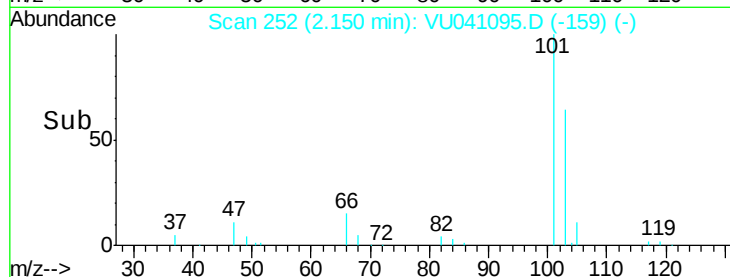
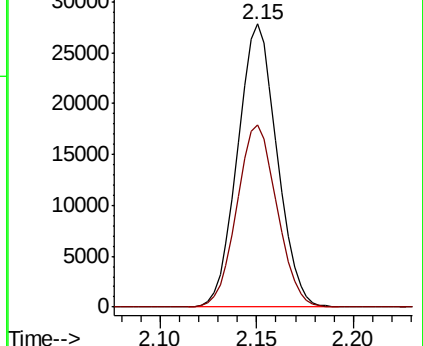
101 100

103 65.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Acetone

Concen: 1.569 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041095.D

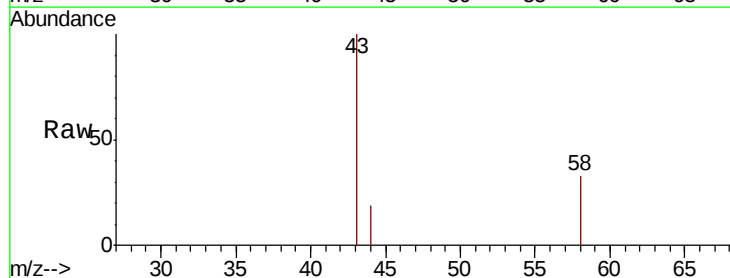
Acq: 04 Nov 2020 11:54

Tgt Ion: 43 Resp: 1555

Ion Ratio Lower Upper

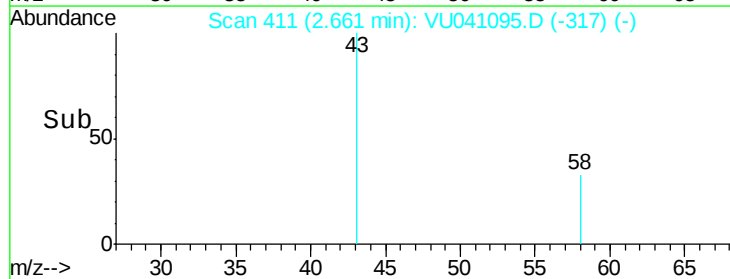
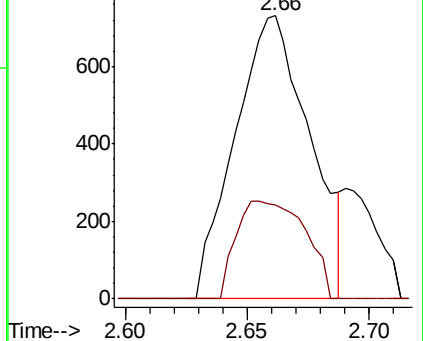
43 100

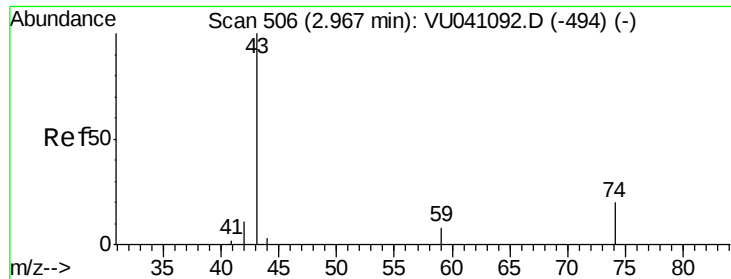
58 31.8 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

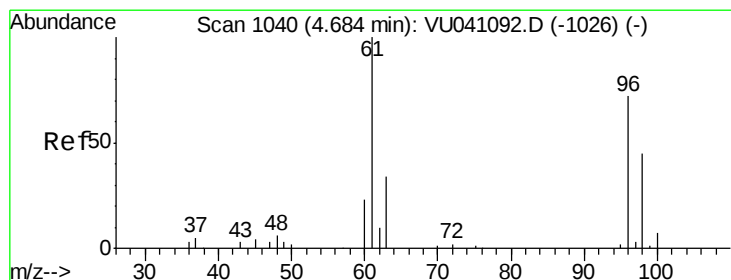
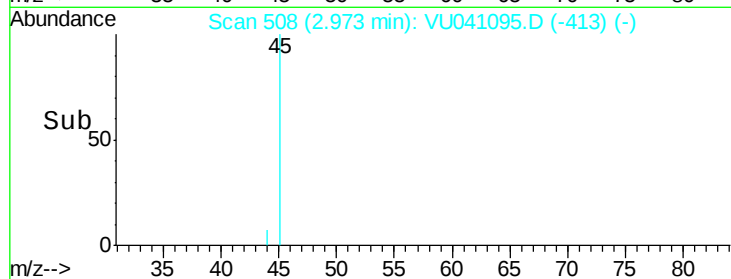
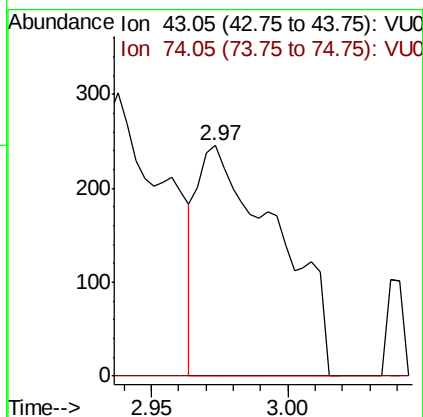
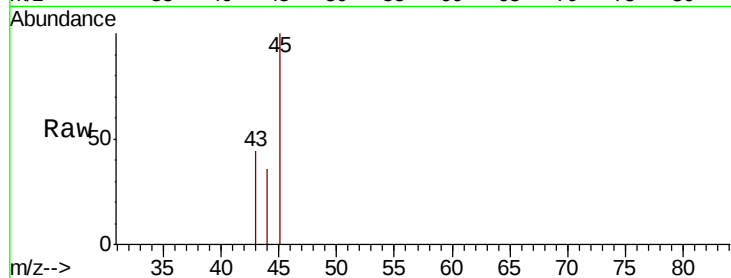




#15
Methvl Acetate
Concen: 0.220 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU041095.D
Acq: 04 Nov 2020 11:54

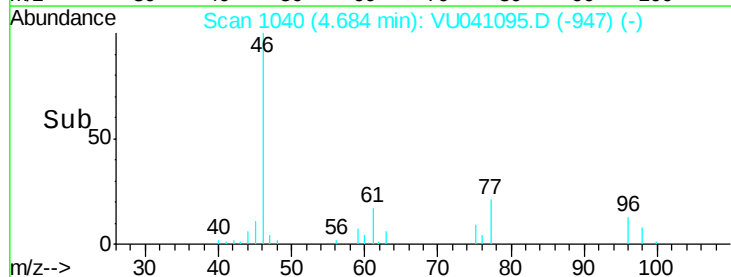
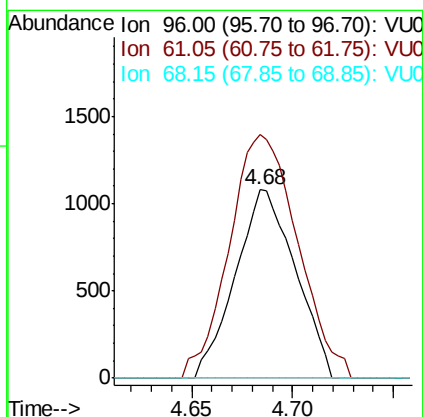
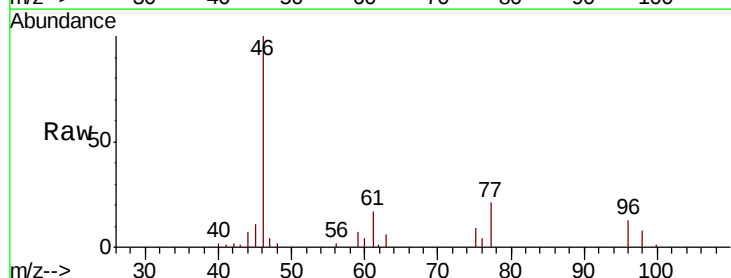
Instrument :
MSVOA_U
ClientSampled :

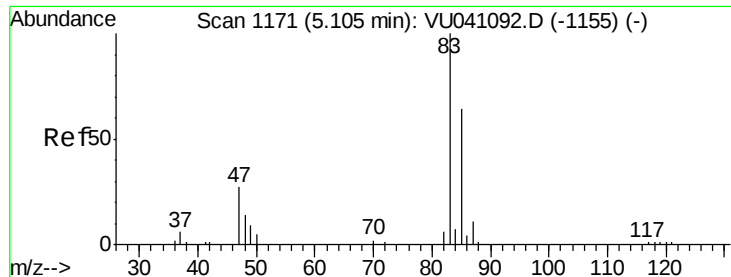
Tot Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#22
cis-1,2-Dichloroethene
Concen: 0.576 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU041095.D
Acq: 04 Nov 2020 11:54

Tgt Ion: 96 Resp: 2234
Ion Ratio Lower Upper
96 100
61 129.5 97.2 180.4
68 0.0 0.0 0.0

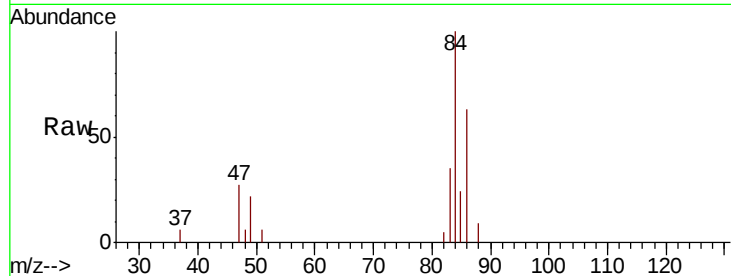




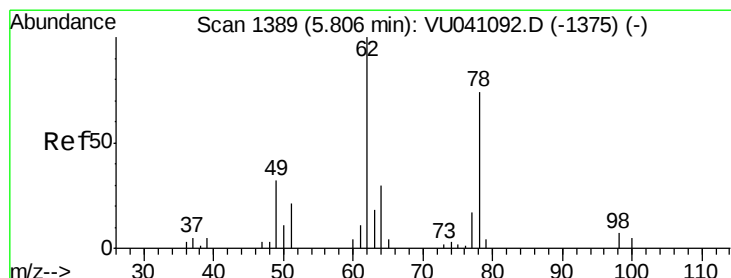
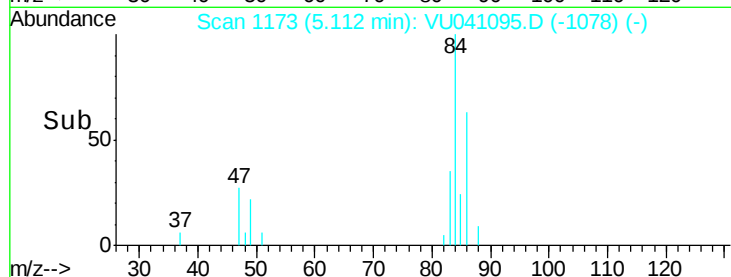
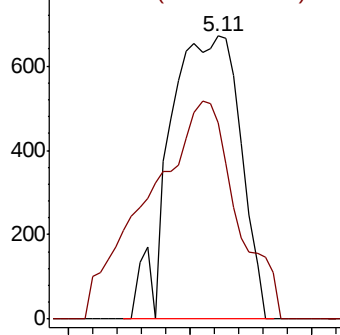
#25
Chloroform
Concen: 0.179 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU041095.D
Acq: 04 Nov 2020 11:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 1348
Ion Ratio Lower Upper
83 100
85 69.4 46.1 85.7

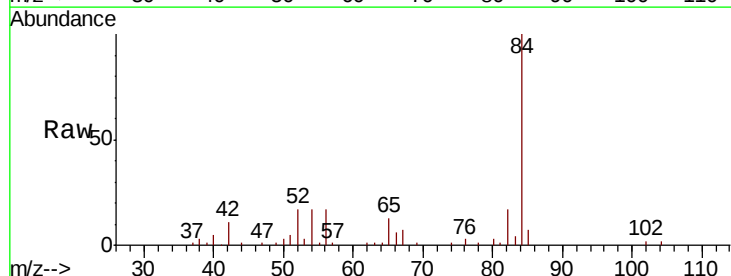


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

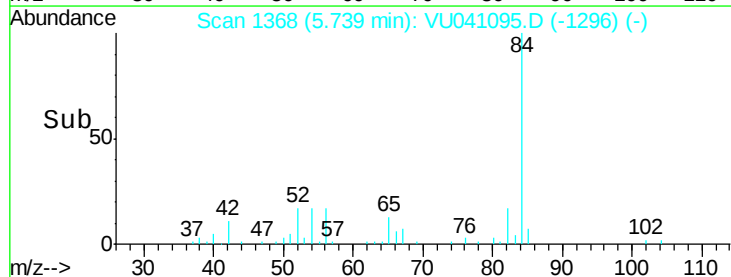
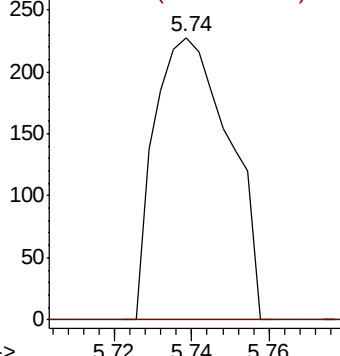


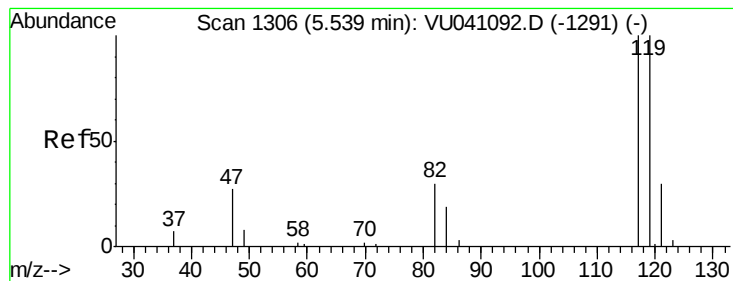
#27
1,2-Dichloroethane
Concen: 0.054 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.07 min
Lab File: VU041095.D
Acq: 04 Nov 2020 11:54

Tgt Ion: 62 Resp: 305
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0



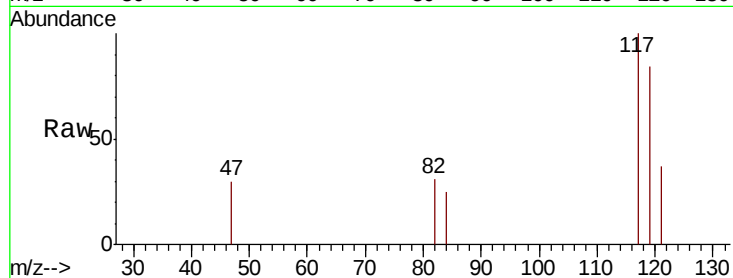


#31

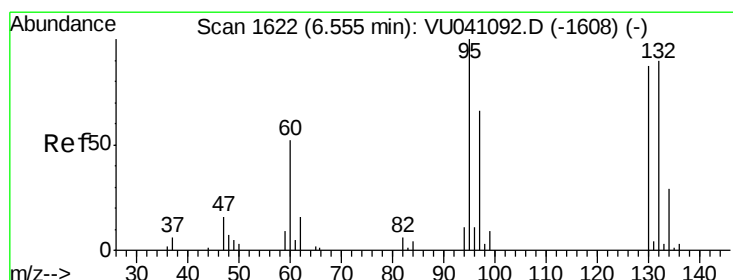
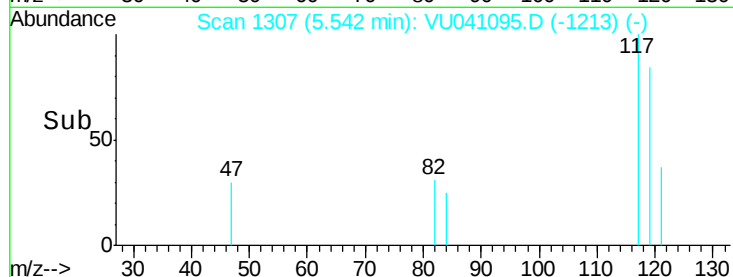
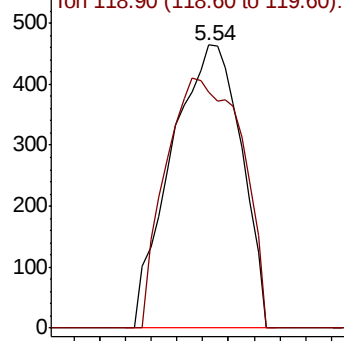
Carbon tetrachloride
Concen: 0.149 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU041095.D
Acq: 04 Nov 2020 11:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 876
Ion Ratio Lower Upper
117 100
119 96.2 76.1 114.1



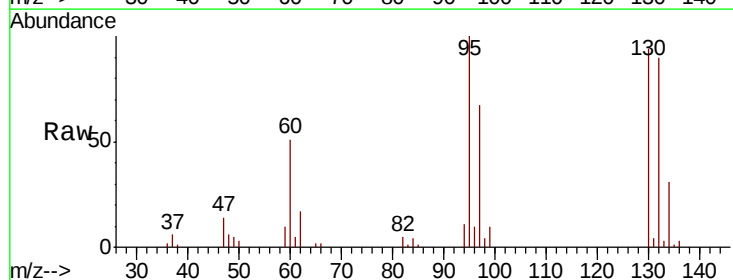
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



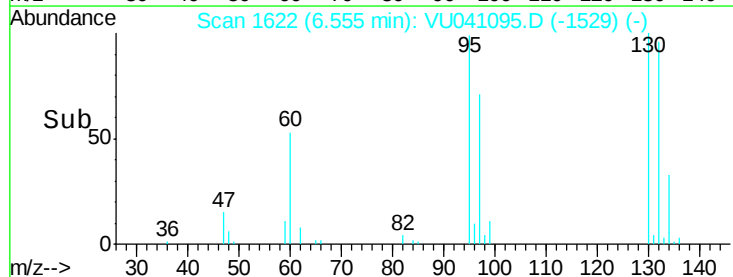
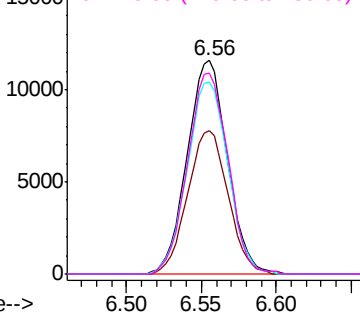
#34

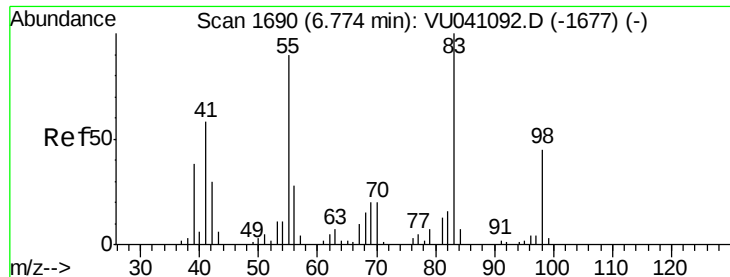
Trichloroethene
Concen: 5.269 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. -0.00 min
Lab File: VU041095.D
Acq: 04 Nov 2020 11:54

Tgt Ion: 95 Resp: 21684
Ion Ratio Lower Upper
95 100
97 67.3 45.6 84.6
132 90.1 64.8 120.4
130 94.1 64.8 120.4



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): VU0
Ion 129.95 (129.65 to 130.65): VU0

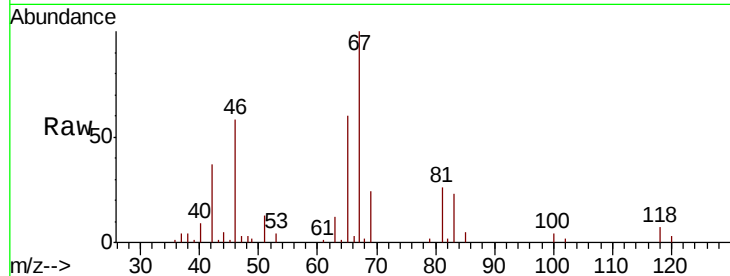




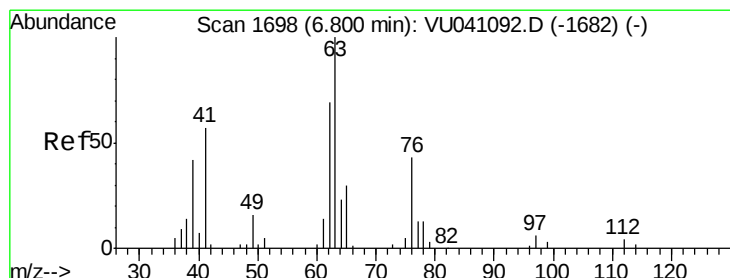
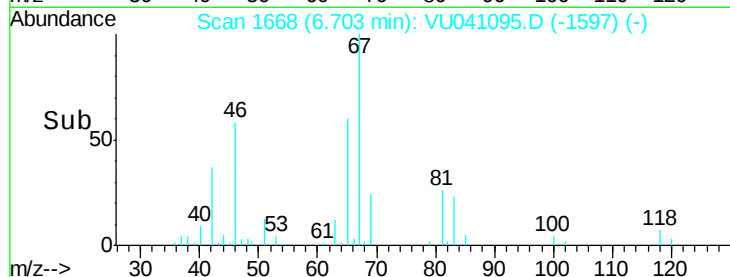
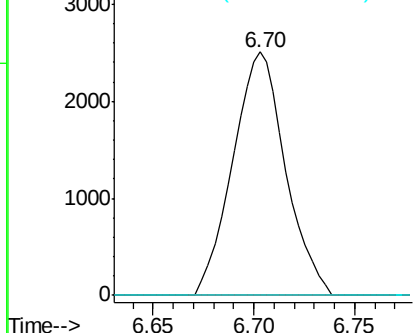
#35
Methvlcvclohexane
Concen: 0.743 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041095.D
Acq: 04 Nov 2020 11:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 4562
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

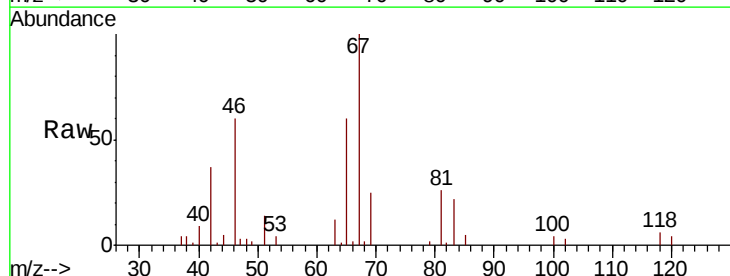


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

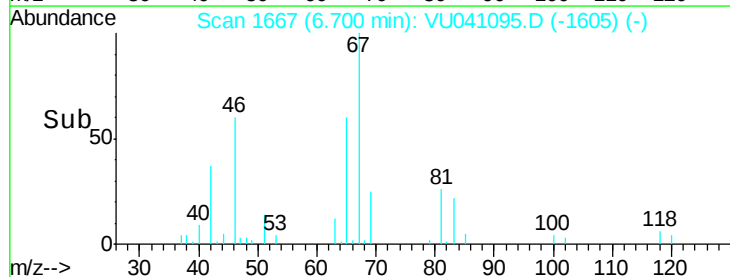
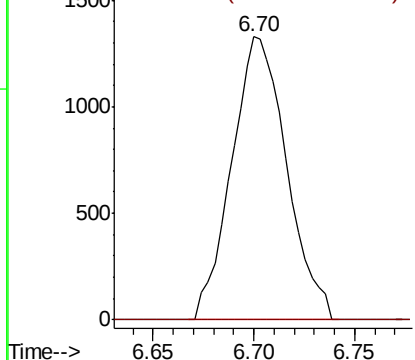


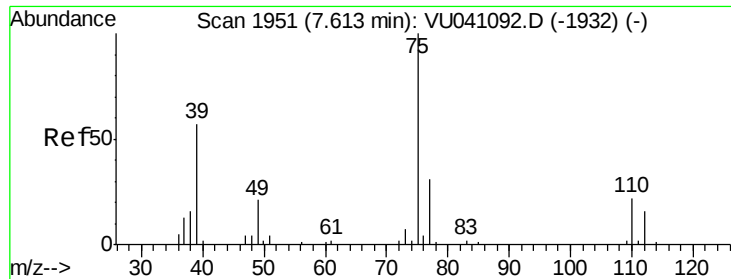
#37
1,2-Dichloropropane
Concen: 0.578 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041095.D
Acq: 04 Nov 2020 11:54

Tgt Ion: 63 Resp: 2531
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



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

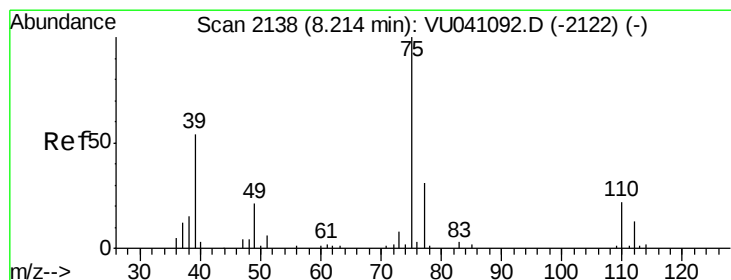
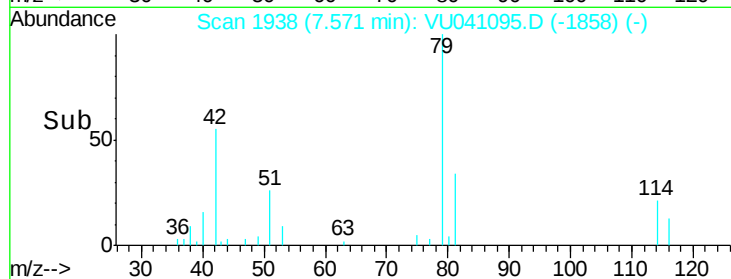
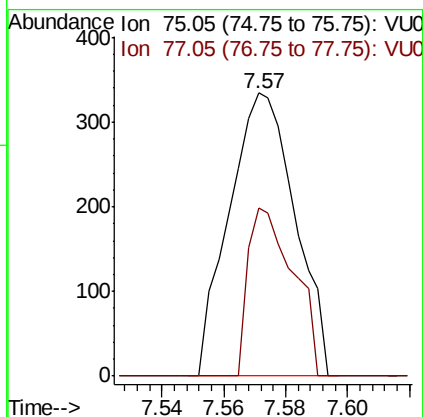
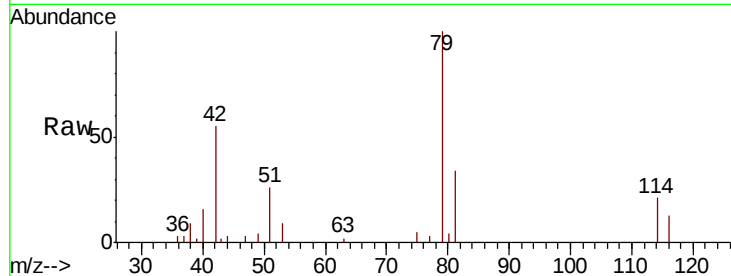




#39
 cis-1,3-Dichloropropene
 Concen: 0.082 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041095.D
 Acq: 04 Nov 2020 11:54

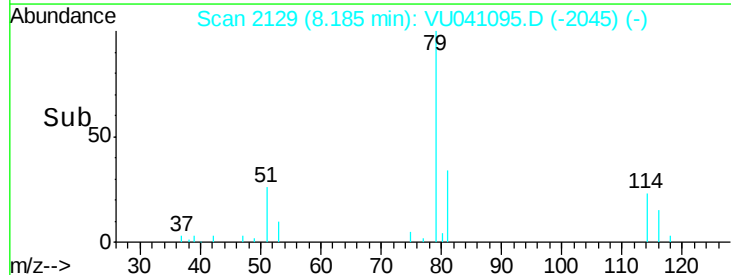
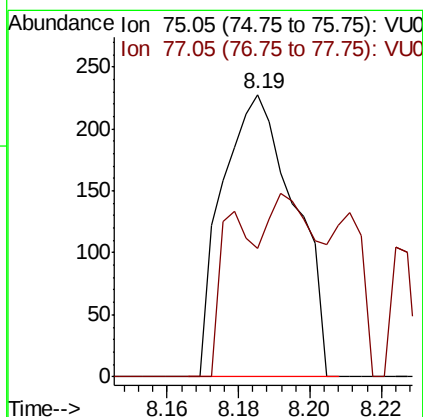
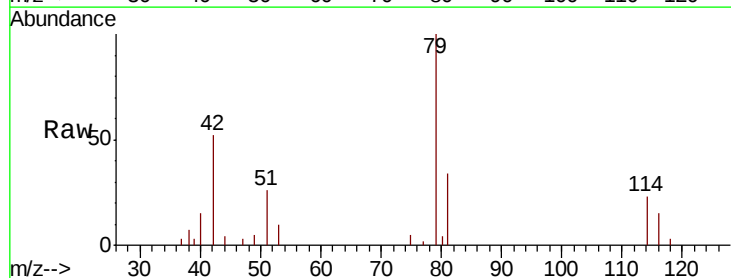
Instrument :
 MSVOA_U
 ClientSampleId :

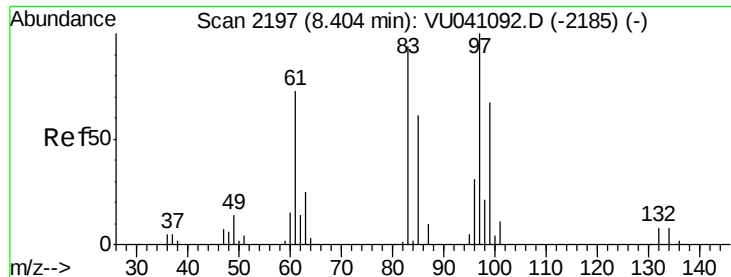
Tot Ion: 75 Resp: 494
 Ion Ratio Lower Upper
 75 100
 77 59.3 22.7 42.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.057 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041095.D
 Acq: 04 Nov 2020 11:54

Tgt Ion: 75 Resp: 319
 Ion Ratio Lower Upper
 75 100
 77 45.6 23.3 43.3#

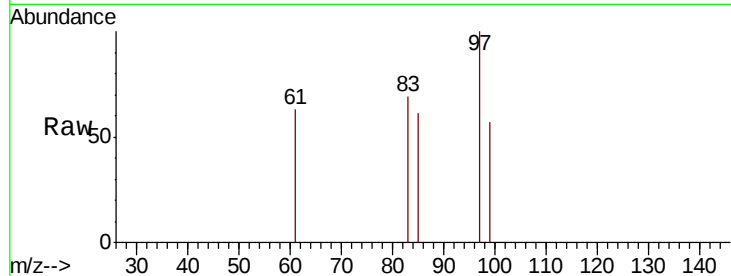




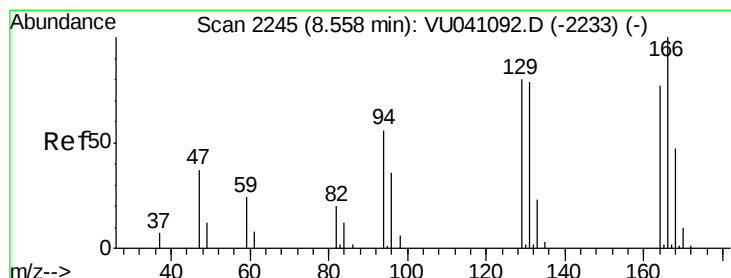
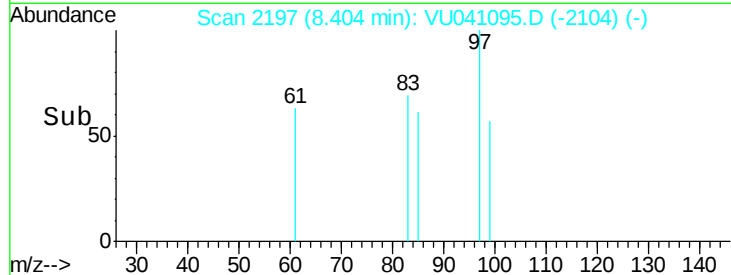
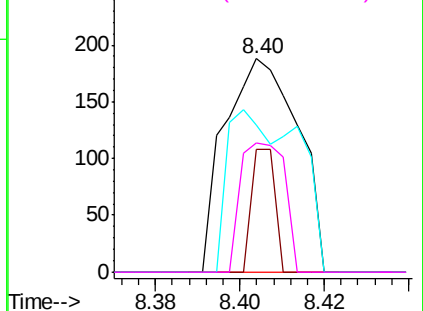
#45
 1,1,2-Trichloroethane
 Concen: 0.069 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041095.D
 Acq: 04 Nov 2020 11:54

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 226
 Ion Ratio Lower Upper
 97 100
 99 57.4 45.8 85.2
 83 69.1 67.9 126.1
 85 60.6 42.8 79.6

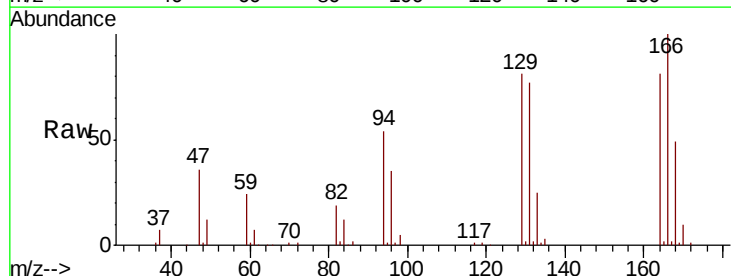


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

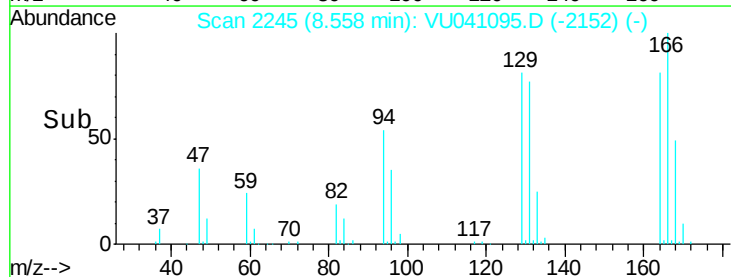
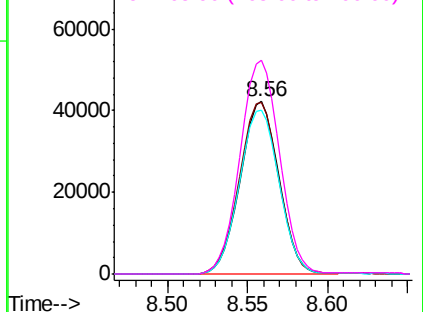


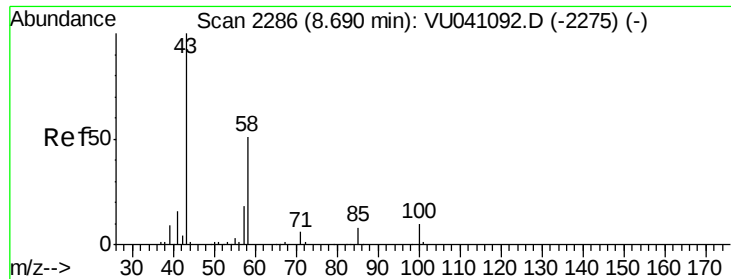
#47
 Tetrachloroethene
 Concen: 22.991 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU041095.D
 Acq: 04 Nov 2020 11:54

Tgt Ion:164 Resp: 69574
 Ion Ratio Lower Upper
 164 100
 129 99.9 70.3 130.7
 131 95.4 70.8 131.4
 166 124.0 92.0 170.8



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

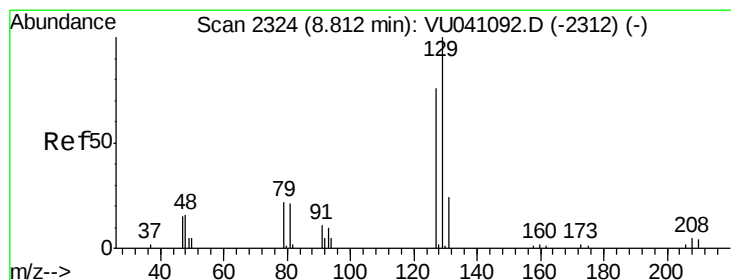
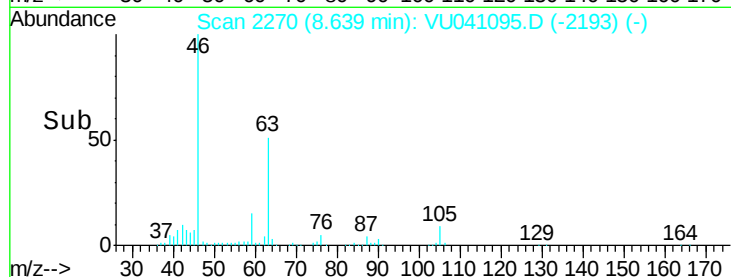
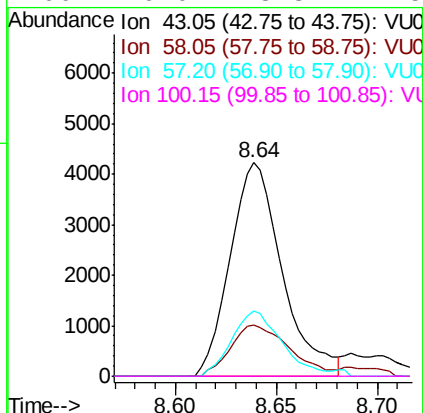
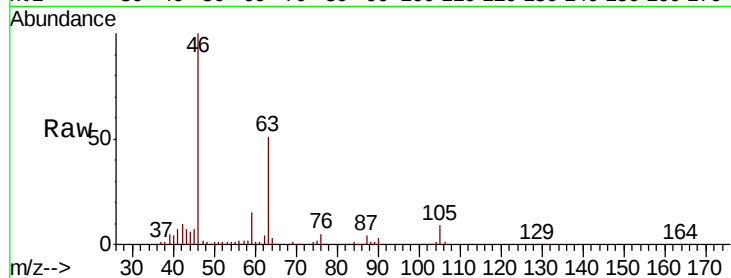




#48
2-Hexanone
Concen: 2.904 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041095.D
Acq: 04 Nov 2020 11:54

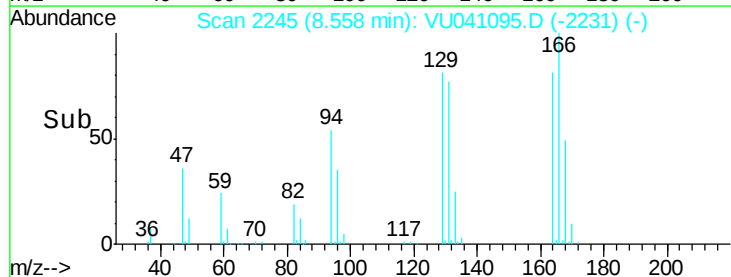
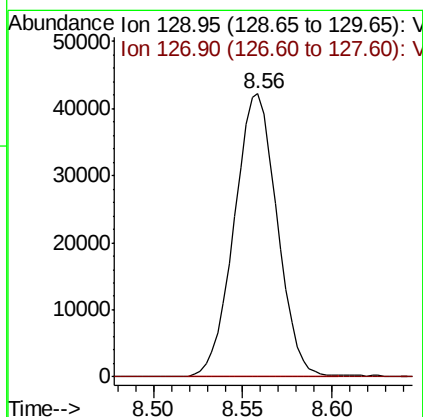
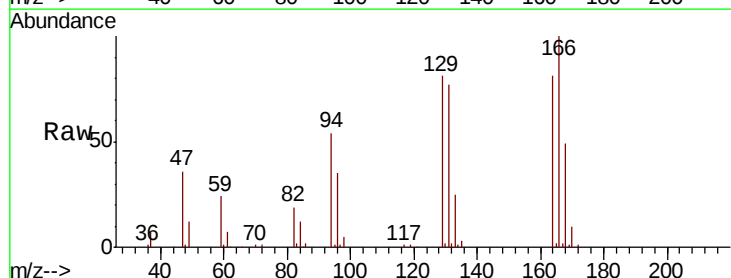
Instrument :
MSVOA_U
ClientSampleId :

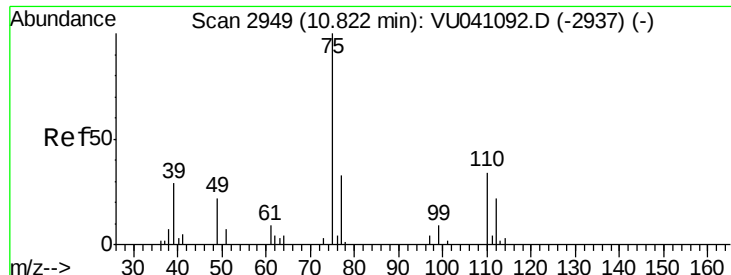
Tot Ion: 43 Resp: 7628
Ion Ratio Lower Upper
43 100
58 27.1 41.4 62.2#
57 29.1 14.6 21.8#
100 0.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 18.480 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041095.D
Acq: 04 Nov 2020 11:54

Tgt Ion: 129 Resp: 69904
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.961 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041095.D

Acq: 04 Nov 2020 11:54

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 3135

Ion Ratio Lower Upper

75 100

77 39.9 25.7 38.5#

