

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110420\
 Data File : VU041100.D
 Acq On : 04 Nov 2020 13:50
 Operator : SY/MD
 Sample : L4575-05DL 2X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 00:51:52 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	47345	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	49358	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	20901	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15940	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.92	69	13347	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.58	63	23568	3.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.40%
20) 2-Butanone-d5	4.65	46	77463	59.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.28%
24) Chloroform-d	5.08	84	34488	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.72	65	22664	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.74	84	59600	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.70	67	22318	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.91	98	46860	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
43) trans-1,3-Dichloropropene-	8.19	79	8653	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.64	63	54722	54.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20645	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	19090	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.15	101	18403	3.045	ug/L	100
13) Acetone	2.65	43	1067	1.192	ug/L	93
22) cis-1,2-Dichloroethene	4.69	96	1016	0.290	ug/L	100
25) Chloroform	5.10	83	937	0.138	ug/L	94
27) 1,2-Dichloroethane	5.75	62	250	0.049	ug/L #	74
31) Carbon tetrachloride	5.54	117	400	0.075	ug/L	90
33) Benzene	5.74	78	462	0.031	ug/L	100
34) Trichloroethene	6.56	95	10139	2.701	ug/L	97
35) Methylcyclohexane	6.70	83	5005	0.894	ug/L #	16
37) 1,2-Dichloropropane	6.71	63	2464	0.617	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	652	0.119	ug/L #	56
44) trans-1,3-Dichloropropene	8.19	75	388	0.075	ug/L #	54
45) 1,1,2-Trichloroethane	8.56	97	234	0.079	ug/L #	1
47) Tetrachloroethene	8.56	164	31704	11.488	ug/L	98
49) Dibromochloromethane	8.56	129	31962	9.265	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	2734	0.919	ug/L #	81

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 05 00:43:32 2020
Response via : Initial Calibration

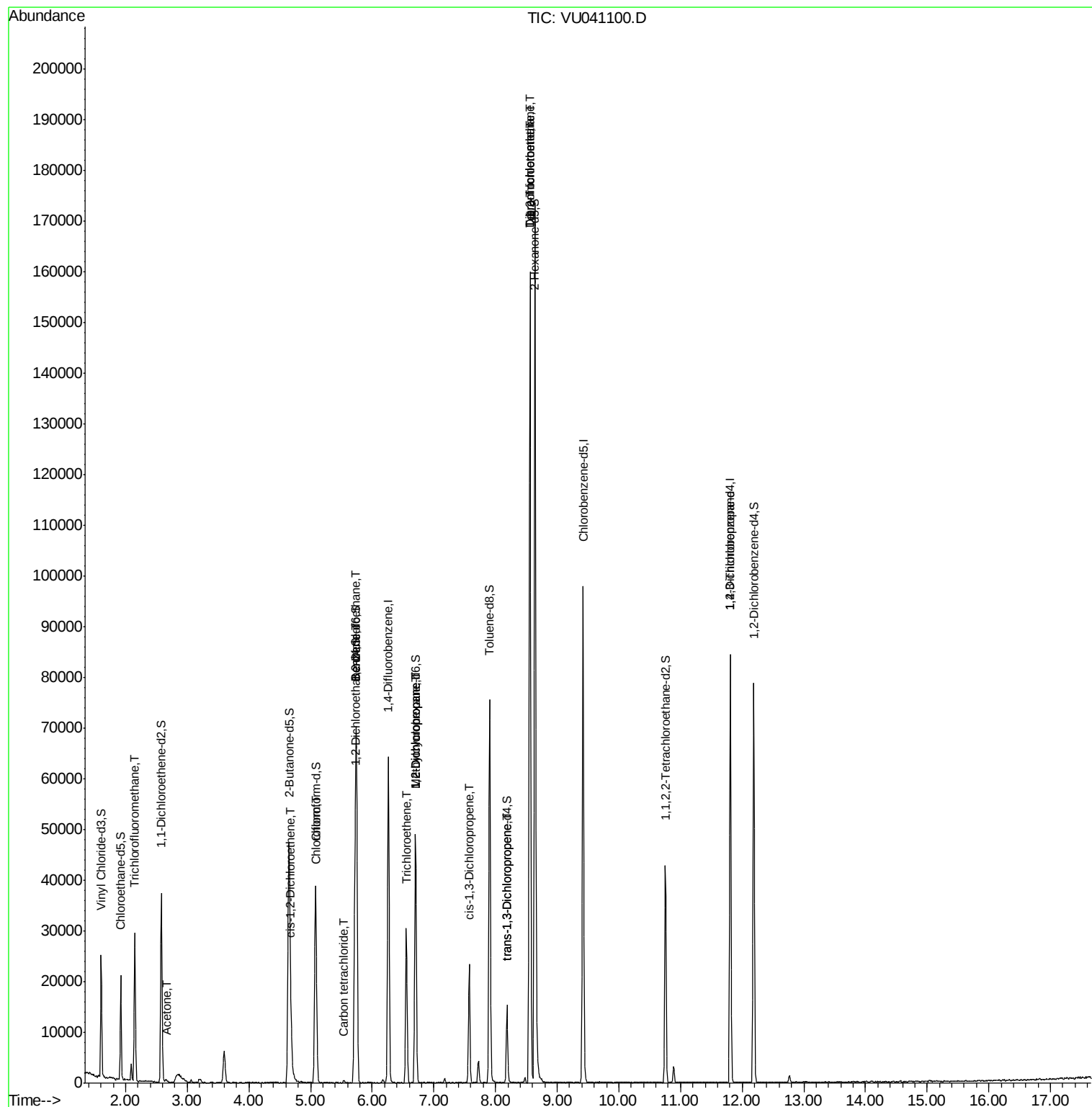
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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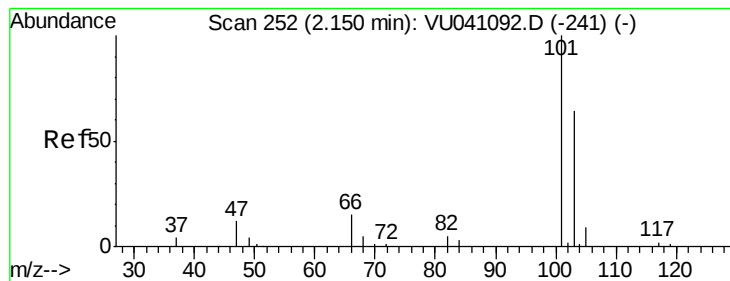
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110420\
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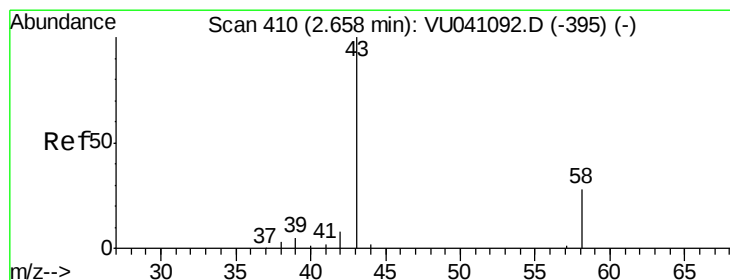
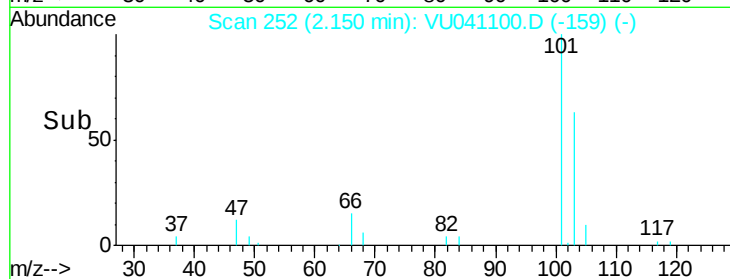
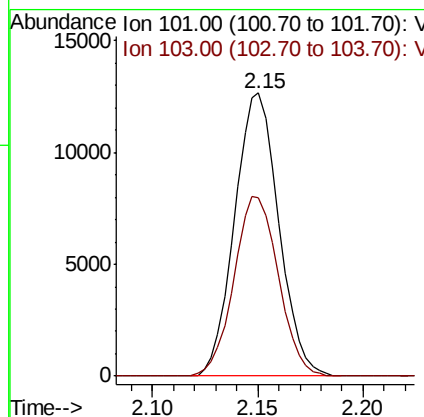
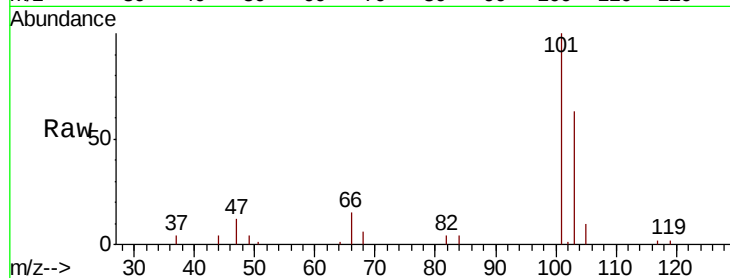


#9

Trichlorofluoromethane
 Concen: 3.045 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041100.D
 Acq: 04 Nov 2020 13:50

Instrument :
 MSVOA_U
 ClientSampleId :

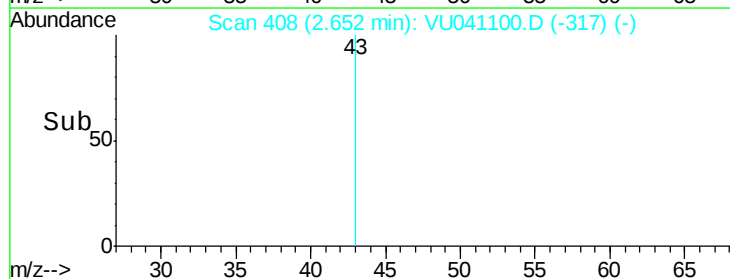
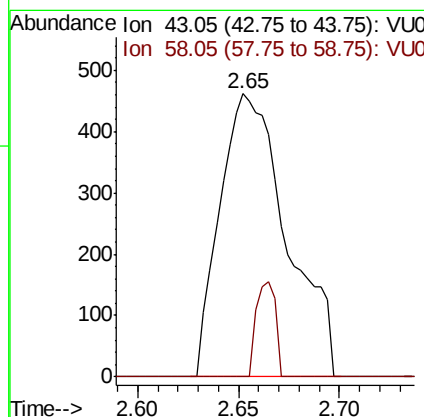
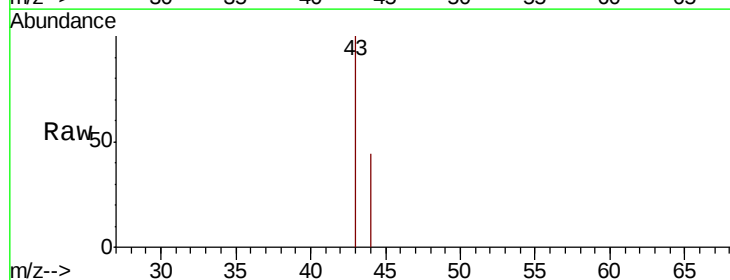
Tot Ion:101 Resp: 18403
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.0 76.4

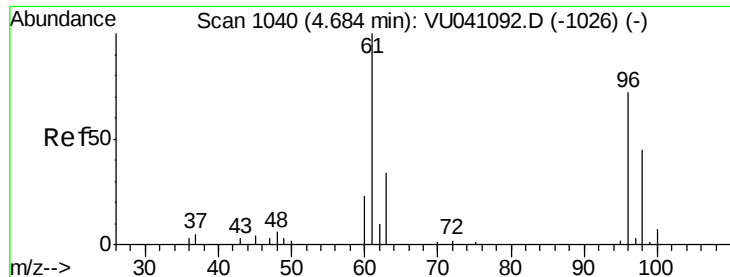


#13

Acetone
 Concen: 1.192 ug/L
 RT: 2.65 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VU041100.D
 Acq: 04 Nov 2020 13:50

Tgt Ion: 43 Resp: 1067
 Ion Ratio Lower Upper
 43 100
 58 9.7 0.0 25.4

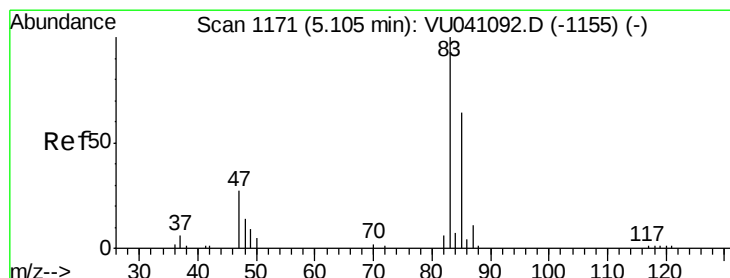
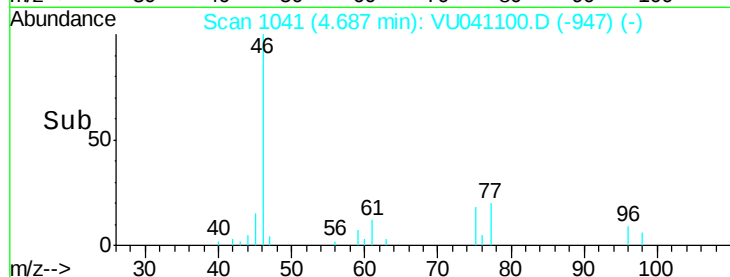
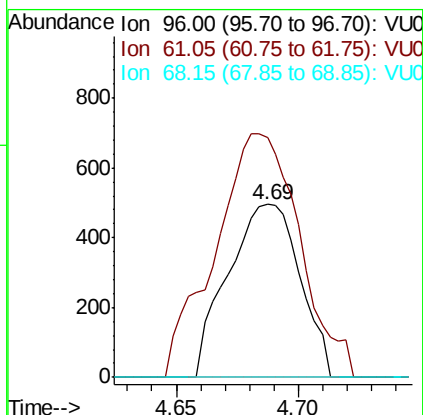
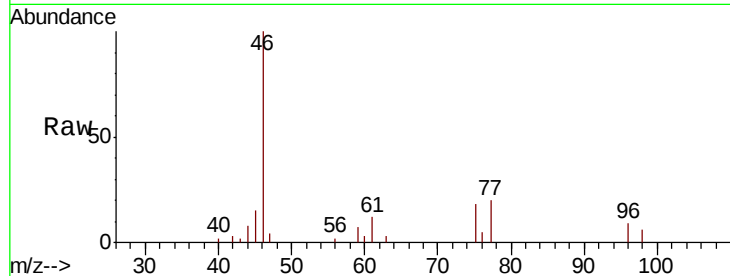




#22
 cis-1,2-Dichloroethene
 Concen: 0.290 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041100.D
 Acq: 04 Nov 2020 13:50

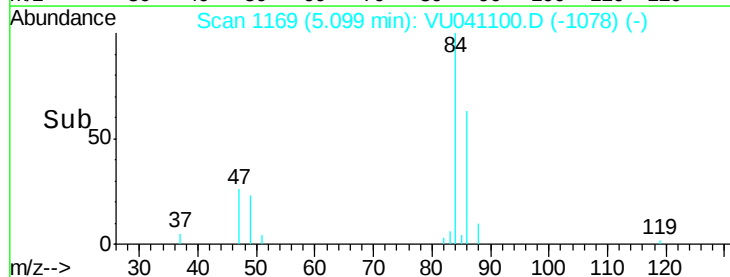
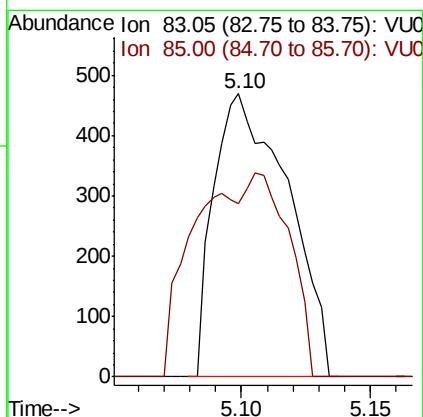
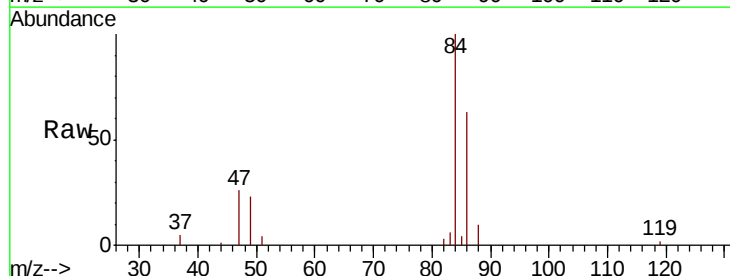
Instrument :
 MSVOA_U
 ClientSampleId :

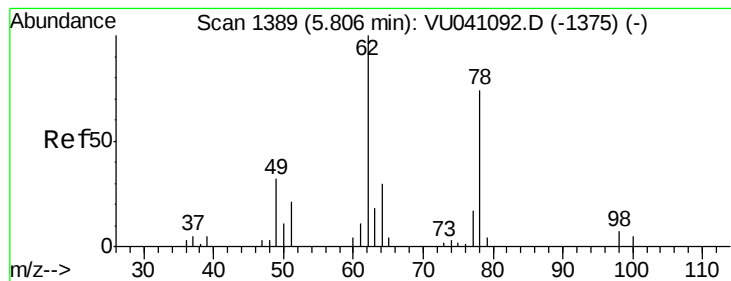
Tot Ion: 96 Resp: 1016
 Ion Ratio Lower Upper
 96 100
 61 138.6 97.2 180.4
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.138 ug/L
 RT: 5.10 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: VU041100.D
 Acq: 04 Nov 2020 13:50

Tgt Ion: 83 Resp: 937
 Ion Ratio Lower Upper
 83 100
 85 61.4 46.1 85.7

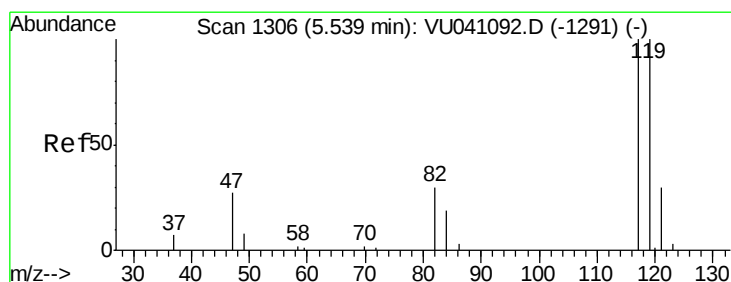
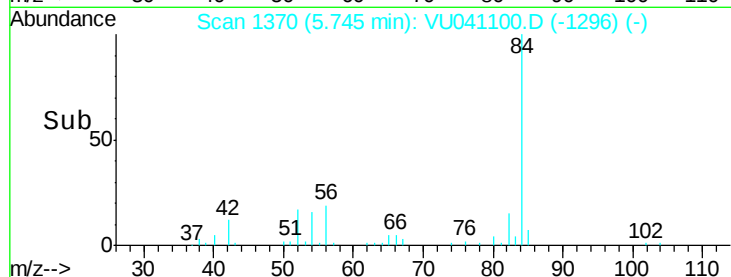
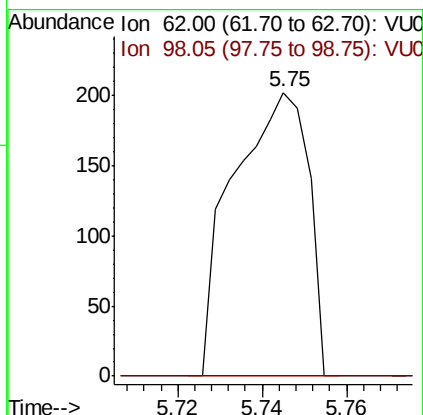
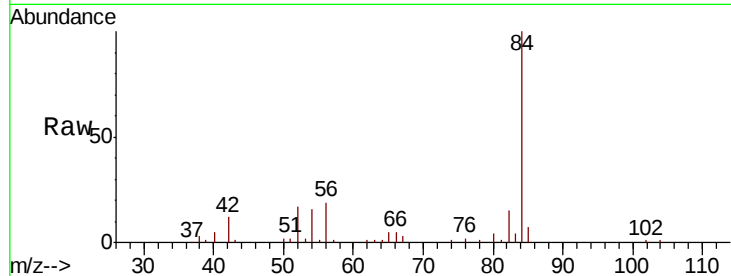




#27
 1,2-Dichloroethane
 Concen: 0.049 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041100.D
 Acq: 04 Nov 2020 13:50

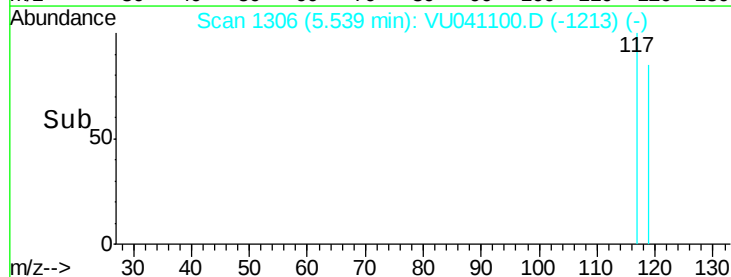
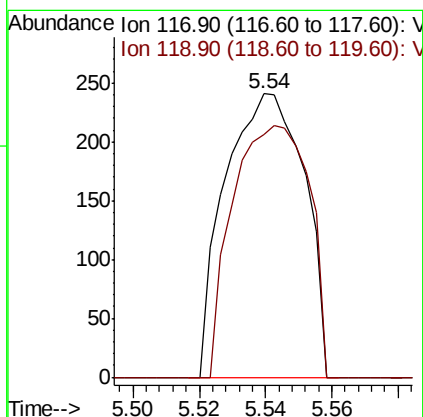
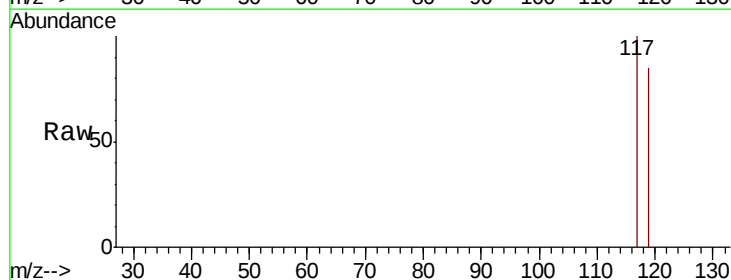
Instrument :
 MSVOA_U
 ClientSampled :

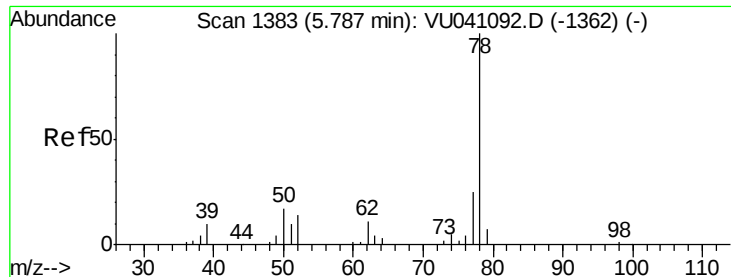
Tot Ion: 62.00 Resp: 250
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#31
 Carbon tetrachloride
 Concen: 0.075 ug/L
 RT: 5.54 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU041100.D
 Acq: 04 Nov 2020 13:50

Tgt Ion: 117 Resp: 400
 Ion Ratio Lower Upper
 117 100
 119 85.8 76.1 114.1





#33

Benzene

Concen: 0.031 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.04 min

Lab File: VU041100.D

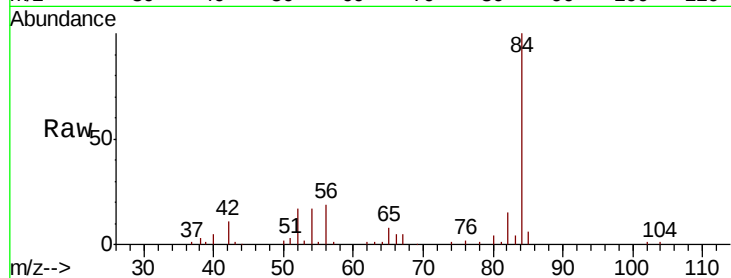
Acq: 04 Nov 2020 13:50

Instrument :

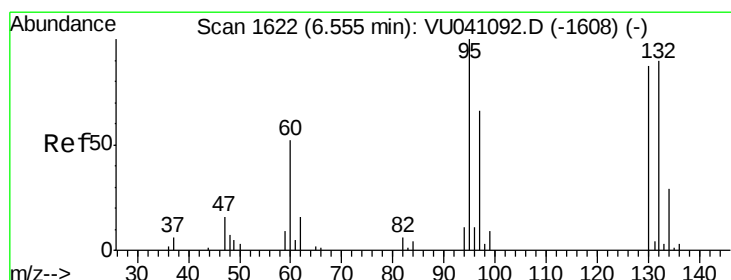
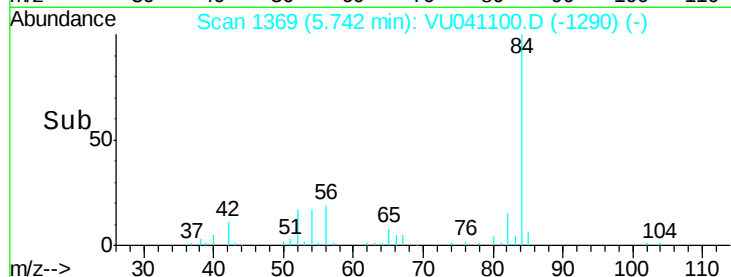
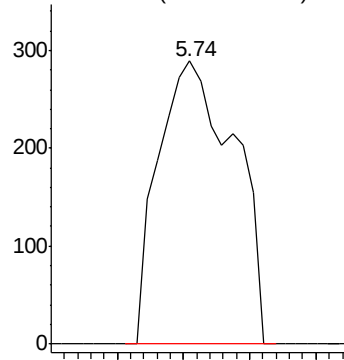
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 462



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 2.701 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041100.D

Acq: 04 Nov 2020 13:50

Tgt Ion: 95 Resp: 10139

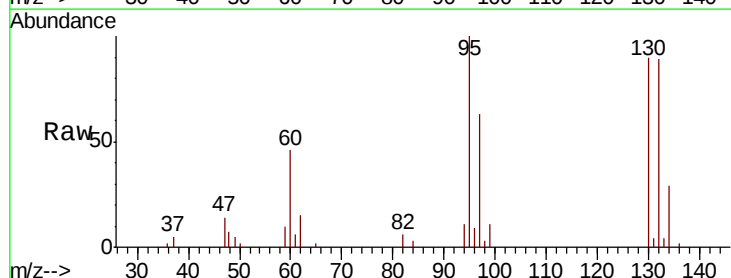
Ion Ratio Lower Upper

95 100

97 62.5 45.6 84.6

132 89.4 64.8 120.4

130 90.5 64.8 120.4

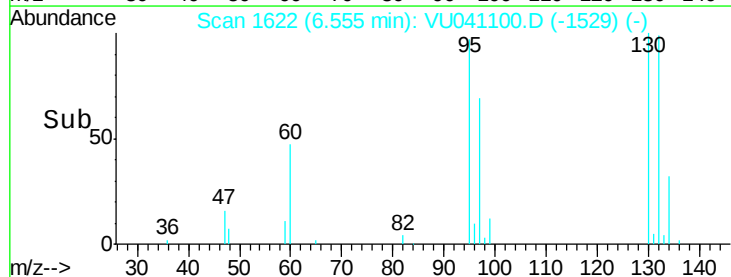
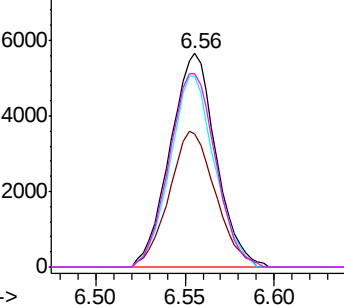


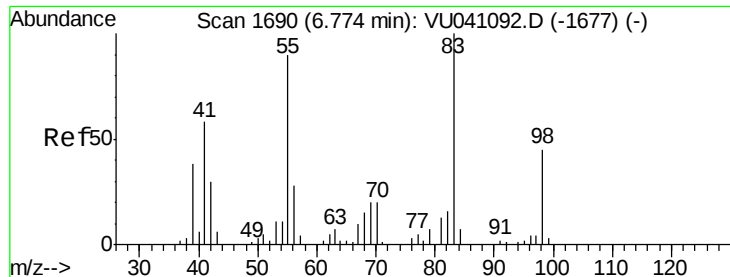
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

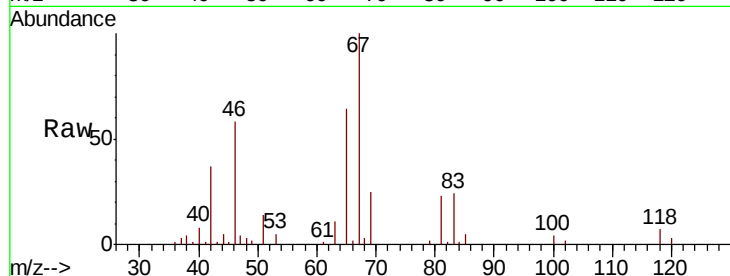




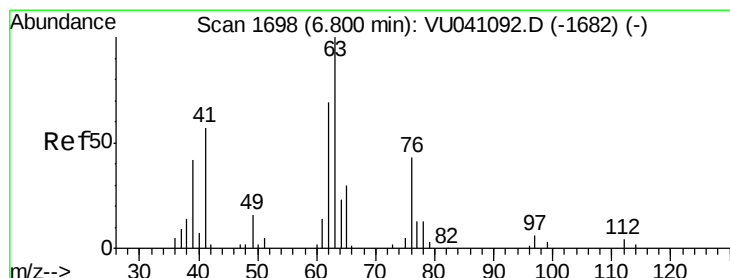
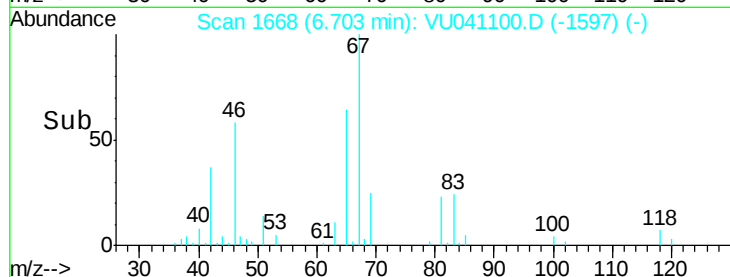
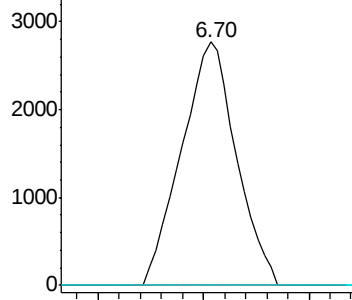
#35
Methvlcvclohexane
Concen: 0.894 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041100.D
Acq: 04 Nov 2020 13:50

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 5005
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 5.8 36.6 55.0#

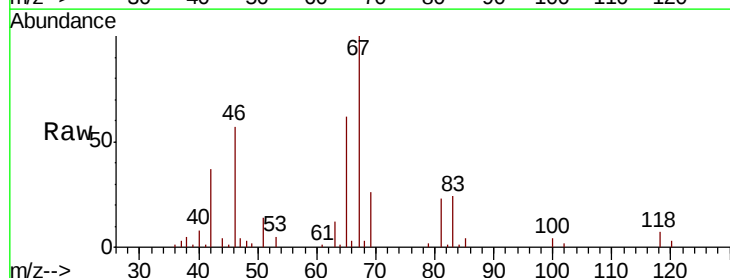


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

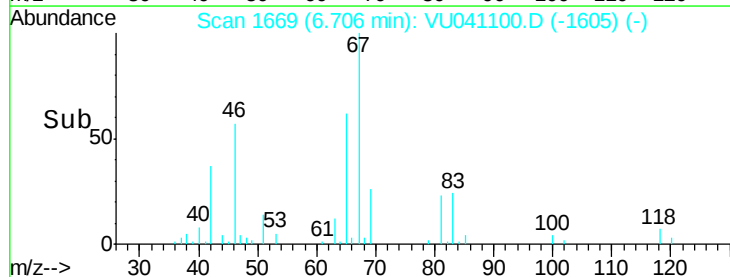
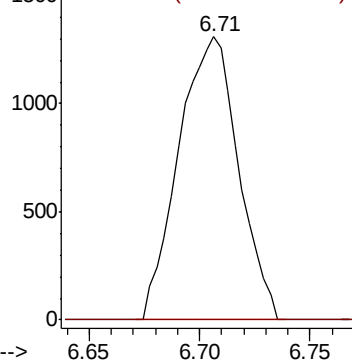


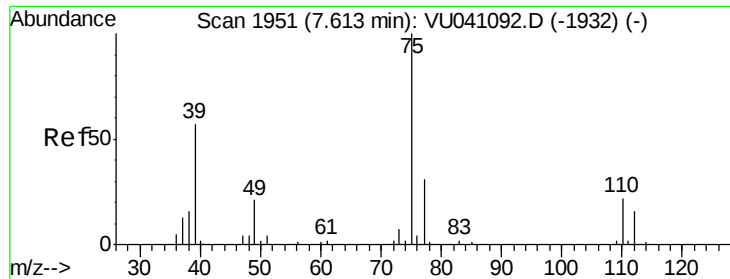
#37
1,2-Dichloropropane
Concen: 0.617 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU041100.D
Acq: 04 Nov 2020 13:50

Tgt Ion: 63 Resp: 2464
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

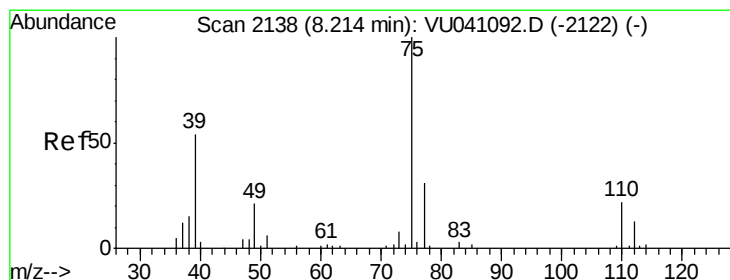
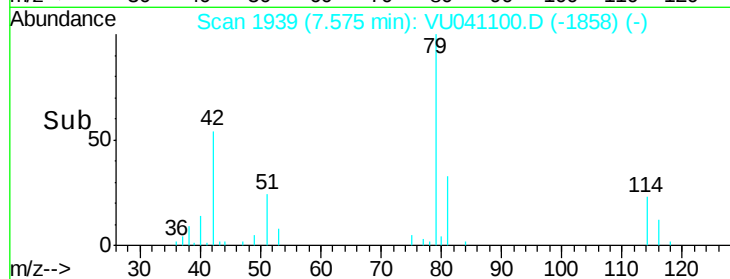
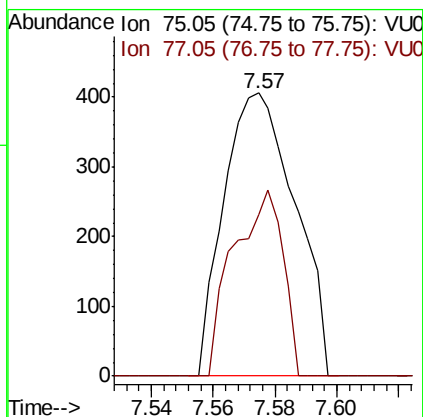
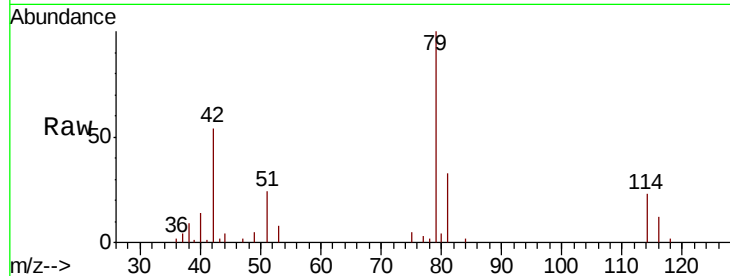




#39
 cis-1,3-Dichloropropene
 Concen: 0.119 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041100.D
 Acq: 04 Nov 2020 13:50

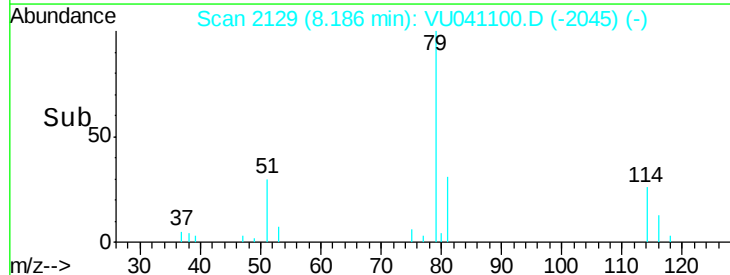
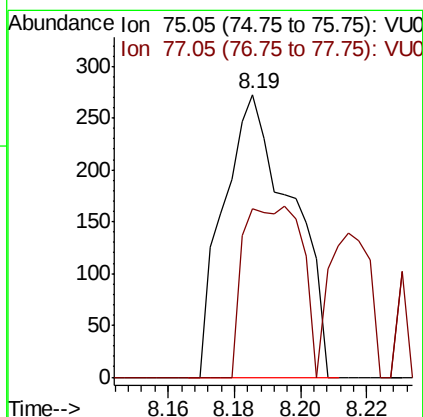
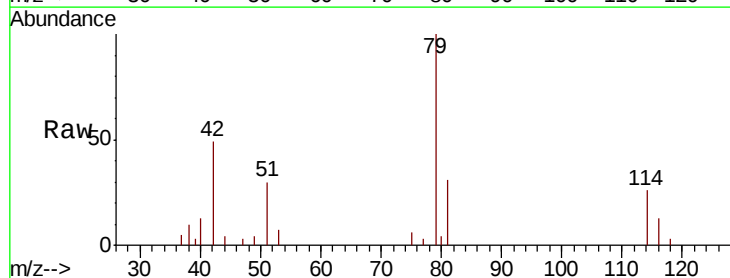
Instrument :
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 ClientSampleId :

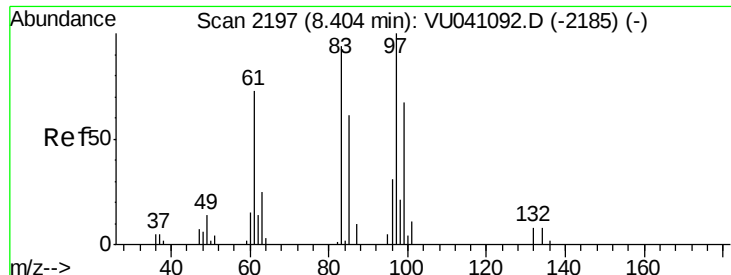
Tot Ion: 75 Resp: 652
 Ion Ratio Lower Upper
 75 100
 77 57.1 22.7 42.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041100.D
 Acq: 04 Nov 2020 13:50

Tgt Ion: 75 Resp: 388
 Ion Ratio Lower Upper
 75 100
 77 59.3 23.3 43.3#

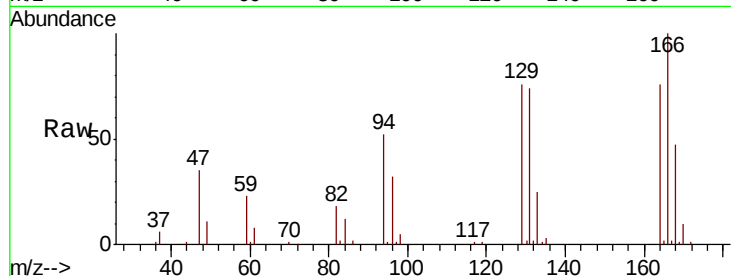




#45
 1,1,2-Trichloroethane
 Concen: 0.079 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.15 min
 Lab File: VU041100.D
 Acq: 04 Nov 2020 13:50

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	234
Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.8	85.2#
83	239.2	67.9	126.1#
85	0.0	42.8	79.6#



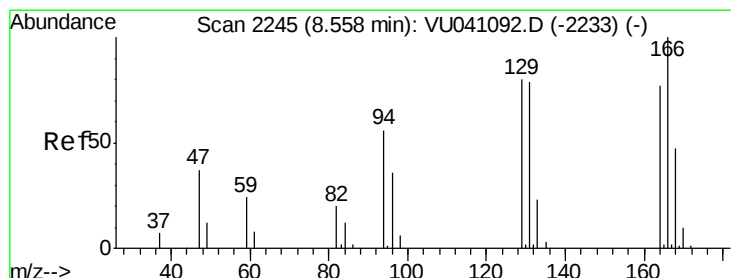
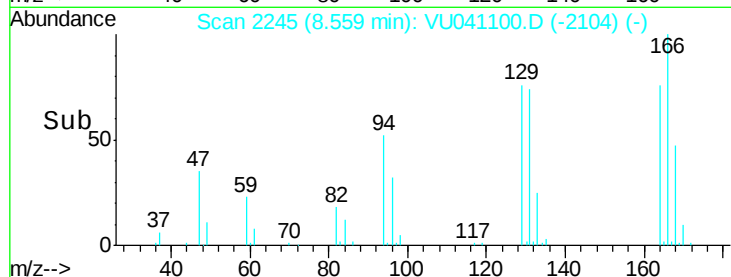
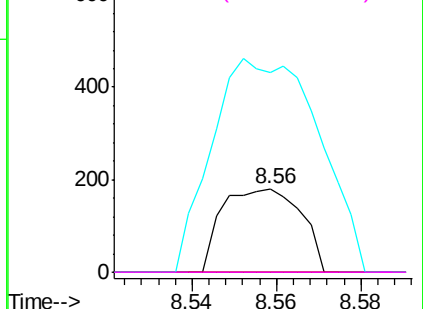
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

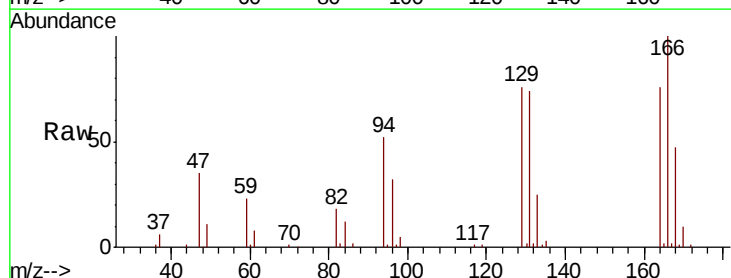
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 11.488 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041100.D
 Acq: 04 Nov 2020 13:50

Tgt Ion:	164	Resp:	31704
Ion	Ratio	Lower	Upper
164	100		
129	99.4	70.3	130.7
131	96.7	70.8	131.4
166	131.3	92.0	170.8



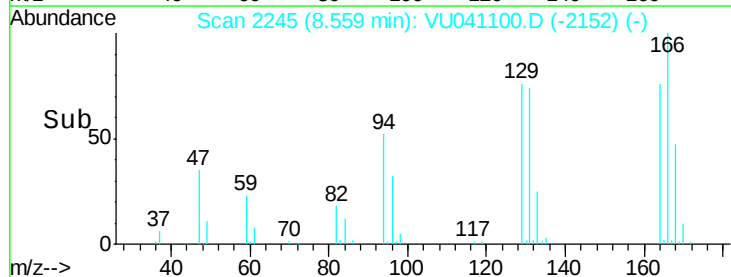
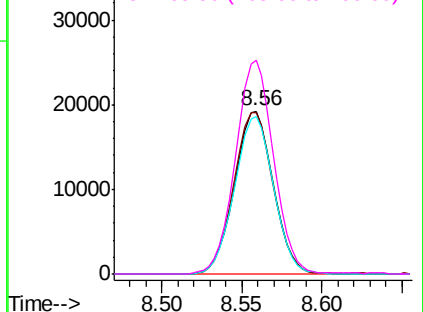
Abundance

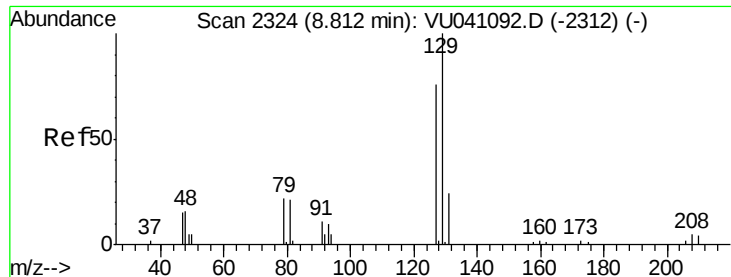
Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 9.265 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041100.D

Acq: 04 Nov 2020 13:50

Instrument :

MSVOA_U

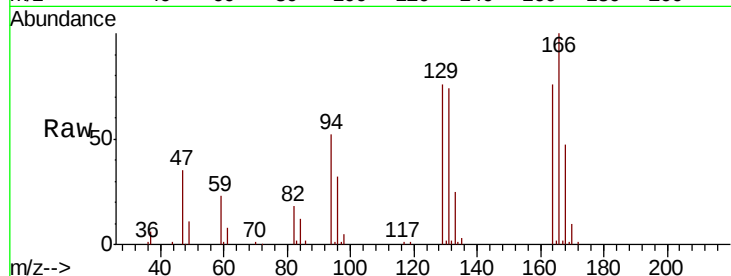
ClientSampled :

Tot Ion:129 Resp: 31962

Ion Ratio Lower Upper

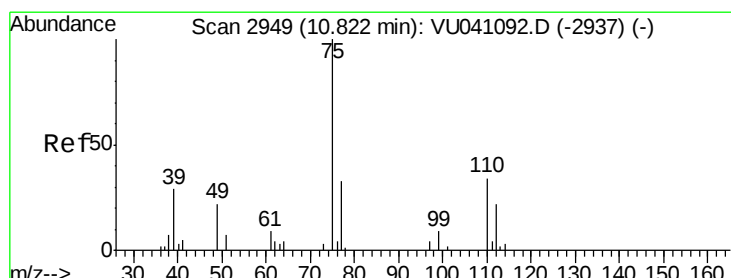
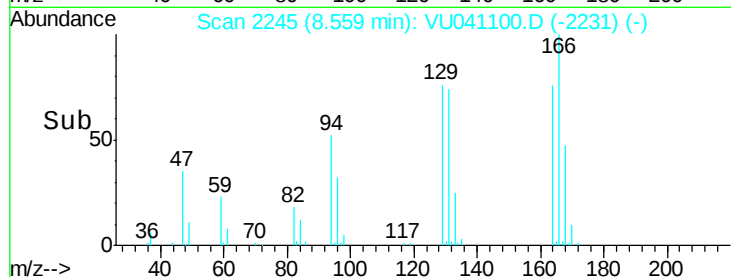
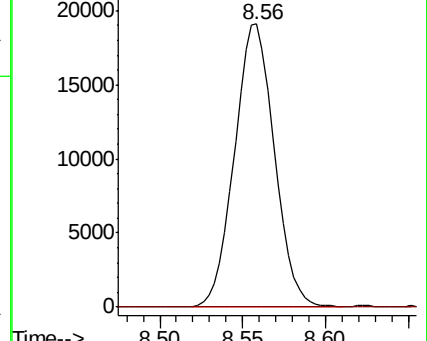
129 100

127 0.0 53.4 99.2#



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: 0.919 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041100.D

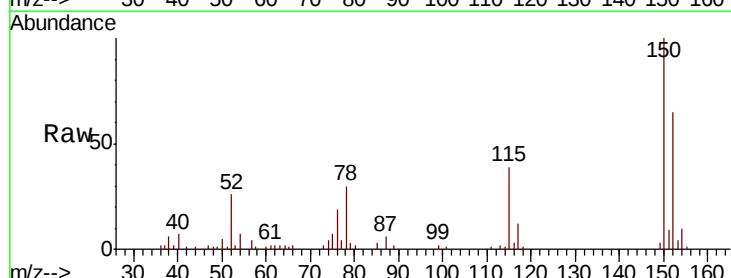
Acq: 04 Nov 2020 13:50

Tgt Ion: 75 Resp: 2734

Ion Ratio Lower Upper

75 100

77 42.9 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

