

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103020\
 Data File : VU041029.D
 Acq On : 29 Oct 2020 21:22
 Operator : SY/MD
 Sample : L4558-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BQ5

Quant Time: Oct 30 08:15:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 30 08:06:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	50457	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51671	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21495	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	14791	3.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.80%
7) Chloroethane-d5	1.92	69	13355	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.58	63	23455	2.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.40%#
20) 2-Butanone-d5	4.66	46	79506	56.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.92%
24) Chloroform-d	5.08	84	34258	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.72	65	22107	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.74	84	57461	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.70	67	21647	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.91	98	44911	3.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.80%
43) trans-1,3-Dichloropropene-	8.19	79	8234	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.64	63	53636	51.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20512	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	18358	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	256	0.053 ug/L #	43
9) Trichlorofluoromethane	2.15	101	34141	5.301 ug/L	96
12) 1,1-Dichloroethene	2.59	96	663	0.186 ug/L #	1
13) Acetone	2.68	43	1509	1.581 ug/L	80
25) Chloroform	5.11	83	2808	0.387 ug/L	97
27) 1,2-Dichloroethane	5.74	62	352	0.065 ug/L #	74
29) 1,1,1-Trichloroethane	5.33	97	766	0.121 ug/L #	93
31) Carbon tetrachloride	5.54	117	727	0.130 ug/L	94
33) Benzene	5.74	78	363	0.024 ug/L	100
34) Trichloroethene	6.55	95	3609	0.919 ug/L	93
35) Methylcyclohexane	6.71	83	4961	0.846 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2629	0.629 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	539	0.094 ug/L #	58
44) trans-1,3-Dichloropropene	8.19	75	254	0.047 ug/L #	57
45) 1,1,2-Trichloroethane	8.56	97	173	0.056 ug/L #	1
47) Tetrachloroethene	8.56	164	28311	9.799 ug/L	95
48) 2-Hexanone	8.64	43	8110	3.234 ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 30 08:06:28 2020
Response via : Initial Calibration

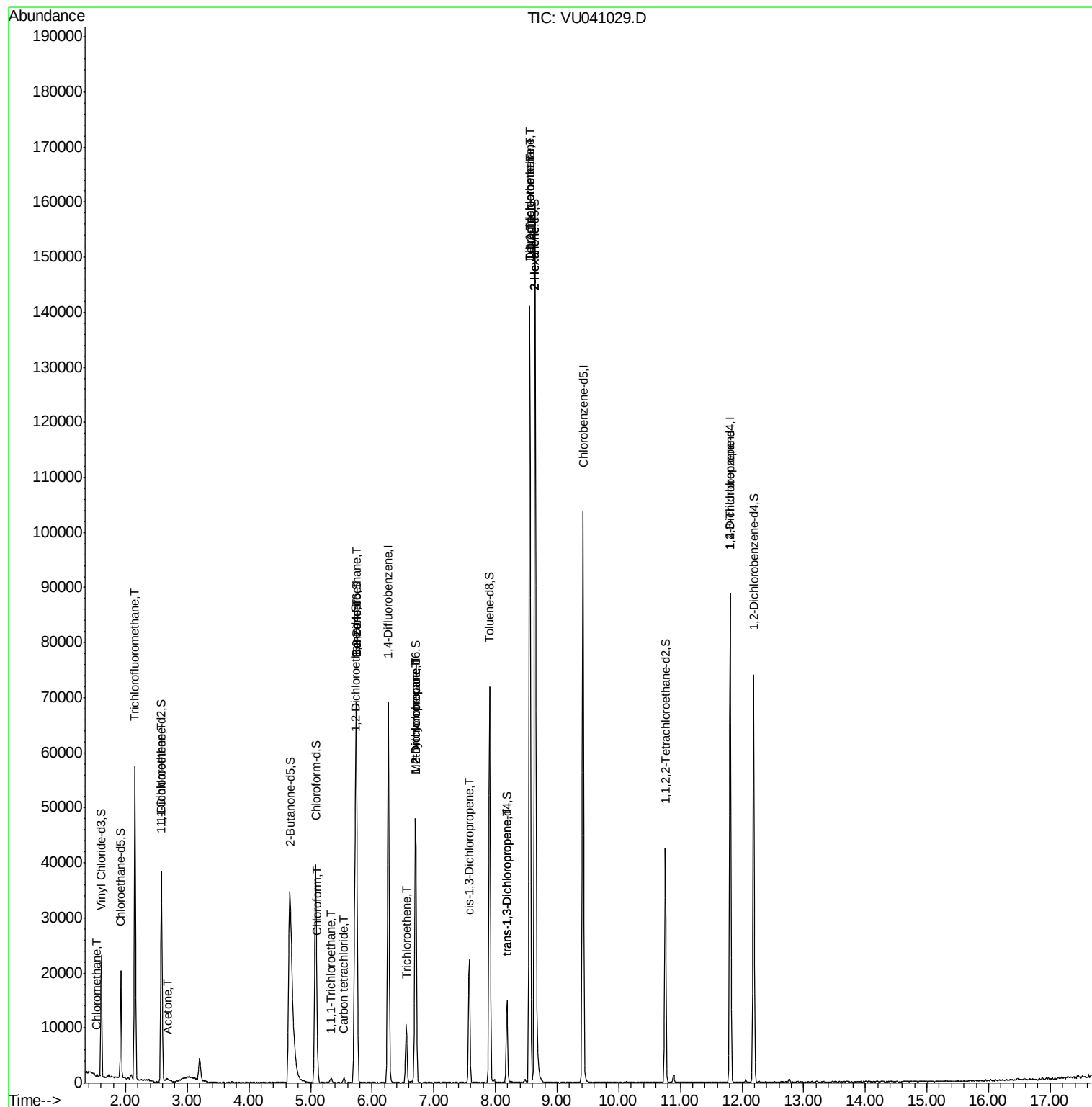
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	28938	8.013	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3074	0.987	ug/L	95

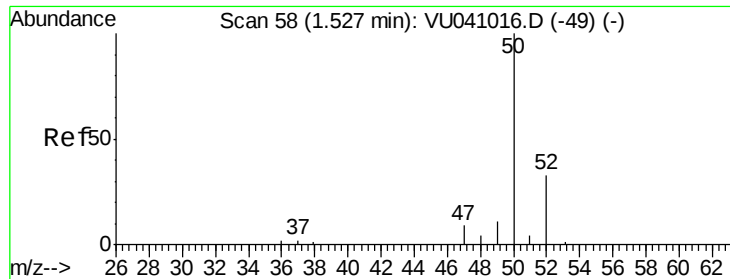
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.053 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU041029.D

Acq: 29 Oct 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

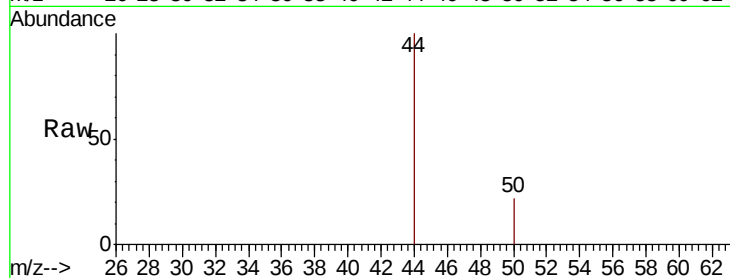
C0BQ5

Tot Ion: 50 Resp: 256

Ion Ratio Lower Upper

50 100

52 0.0 22.4 41.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

250

200

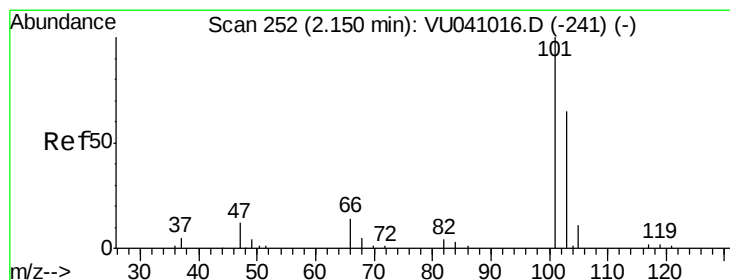
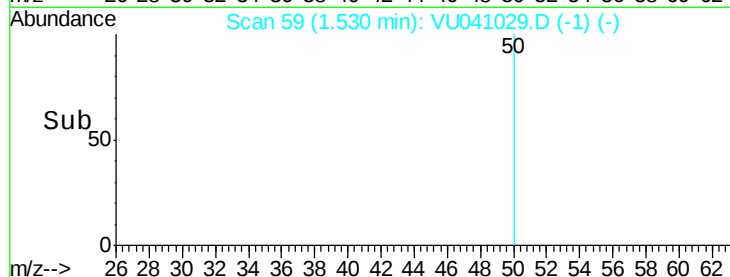
150

100

50

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.301 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU041029.D

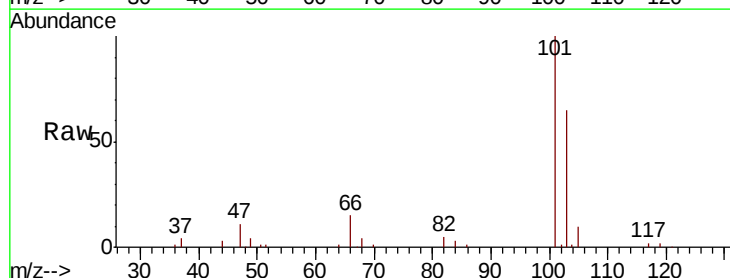
Acq: 29 Oct 2020 21:22

Tgt Ion:101 Resp: 34141

Ion Ratio Lower Upper

101 100

103 67.1 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.15

25000

20000

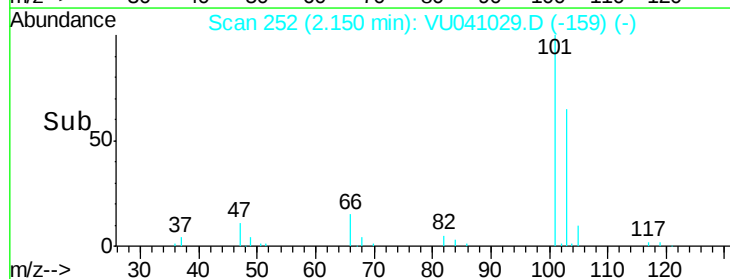
15000

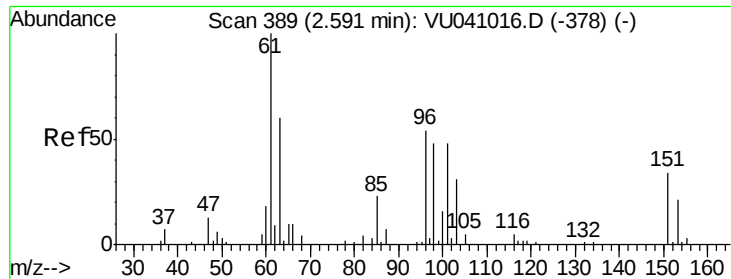
10000

5000

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.186 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041029.D

Acq: 29 Oct 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

C0BQ5

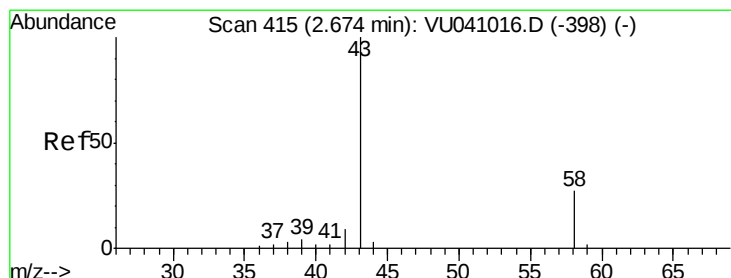
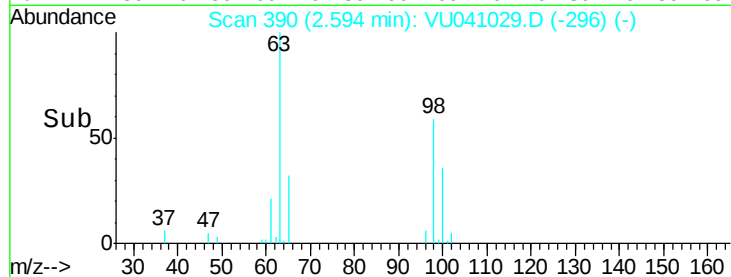
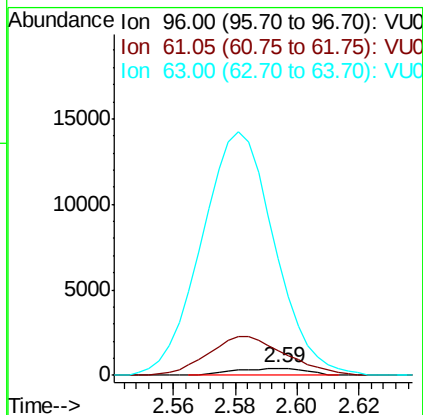
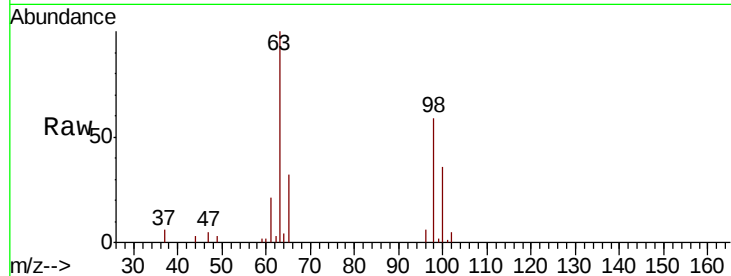
Tot Ion: 96 Resp: 663

Ion Ratio Lower Upper

96 100

61 356.0 134.3 249.5#

63 1679.1 95.0 176.4#



#13

Acetone

Concen: 1.581 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU041029.D

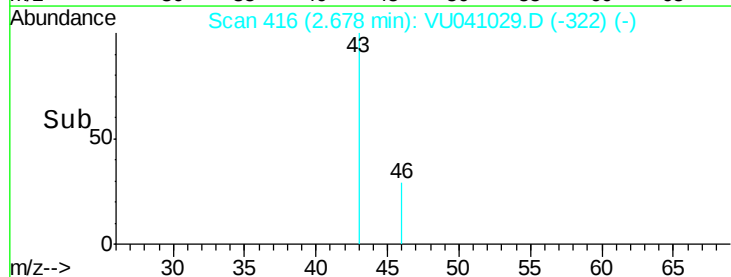
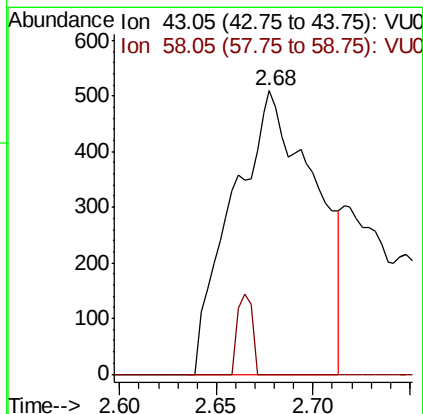
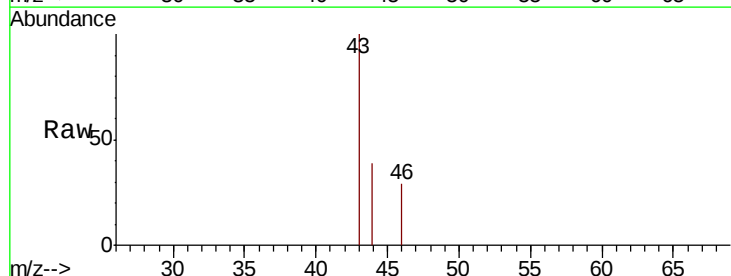
Acq: 29 Oct 2020 21:22

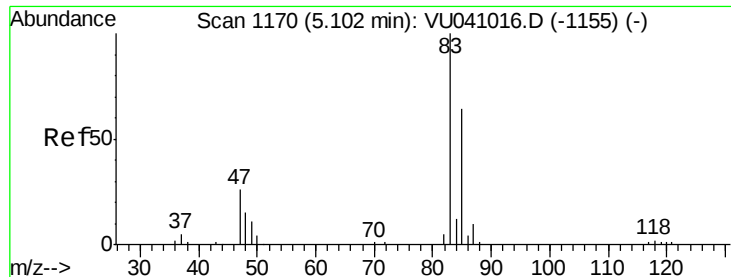
Tgt Ion: 43 Resp: 1509

Ion Ratio Lower Upper

43 100

58 5.0 0.0 25.4

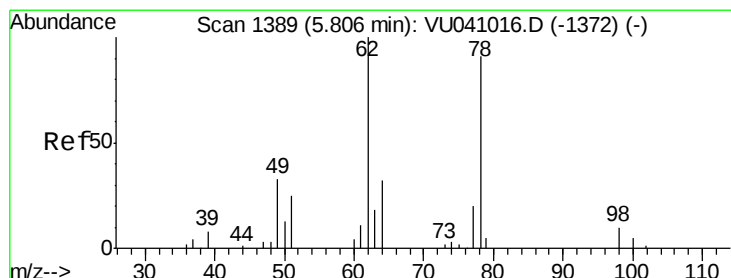
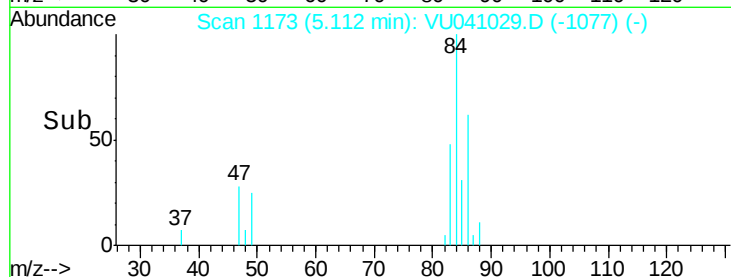
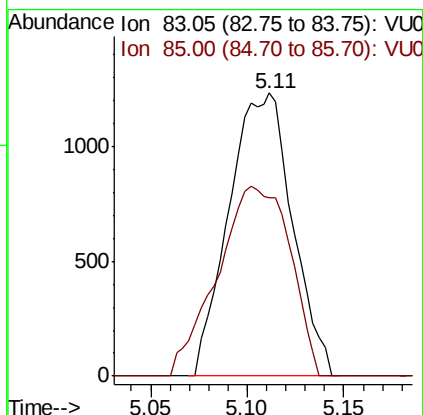
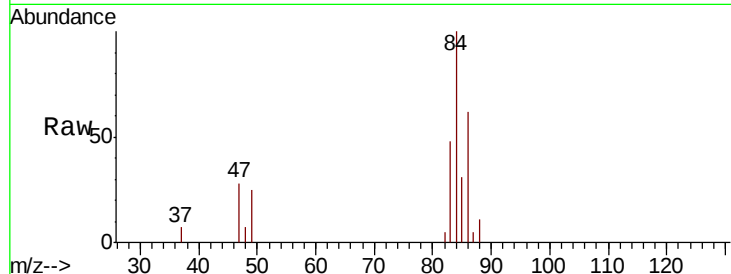




#25
Chloroform
Concen: 0.387 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU041029.D
Acq: 29 Oct 2020 21:22

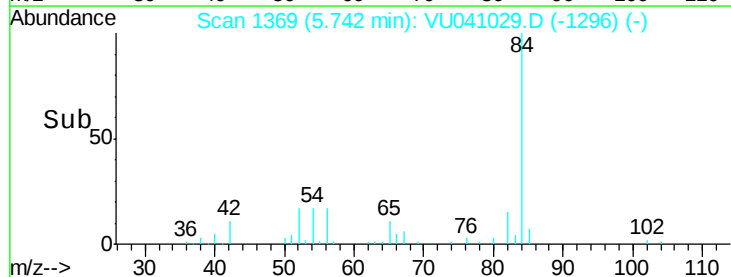
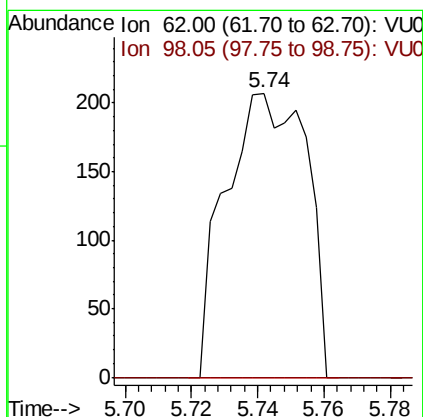
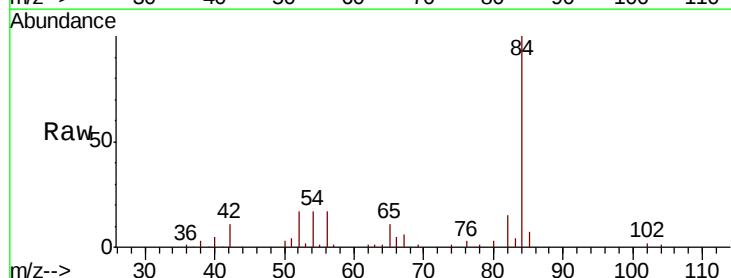
Instrument :
MSVOA_U
ClientSampleId :
C0BQ5

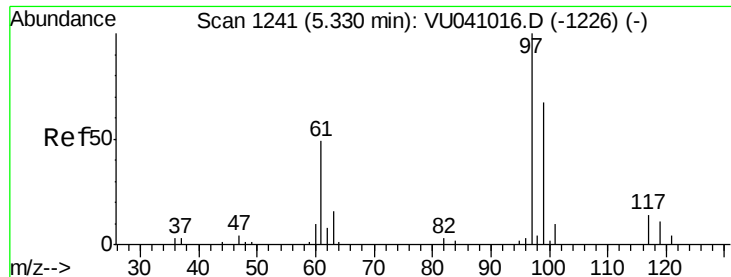
Tot Ion: 83 Resp: 2808
Ion Ratio Lower Upper
83 100
85 63.2 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.065 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041029.D
Acq: 29 Oct 2020 21:22

Tgt Ion: 62 Resp: 352
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#

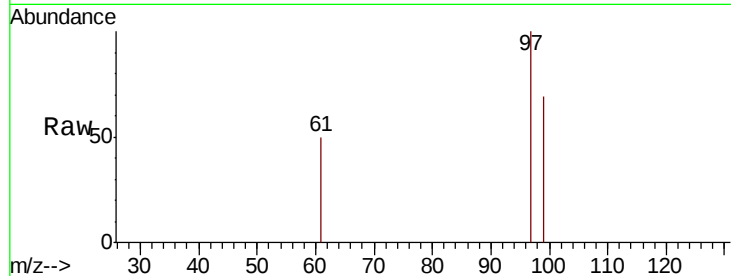




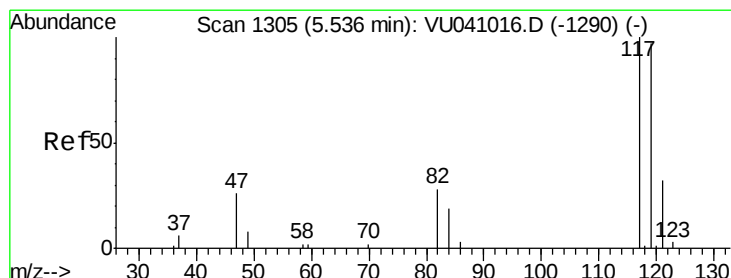
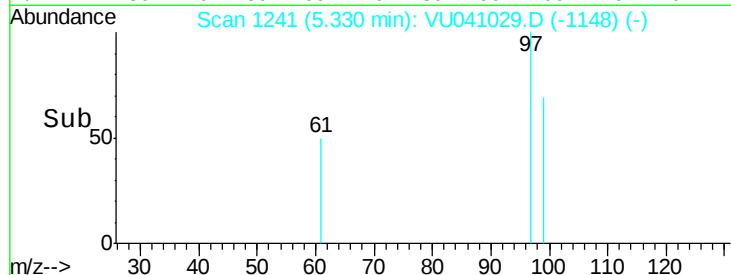
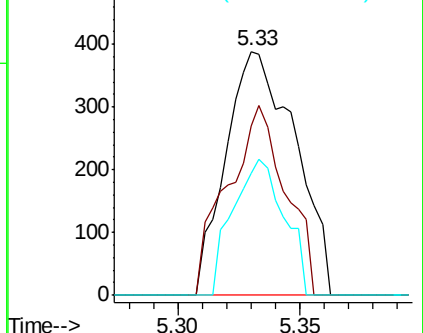
#29
 1,1,1-Trichloroethane
 Concen: 0.121 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041029.D
 Acq: 29 Oct 2020 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BQ5

Tot Ion: 97 Resp: 766
 Ion Ratio Lower Upper
 97 100
 99 65.5 53.4 80.0
 61 41.4 41.6 62.4#

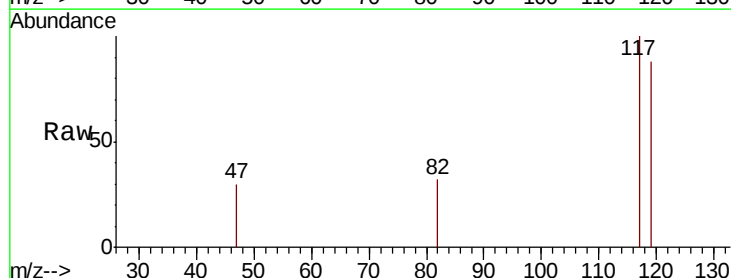


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

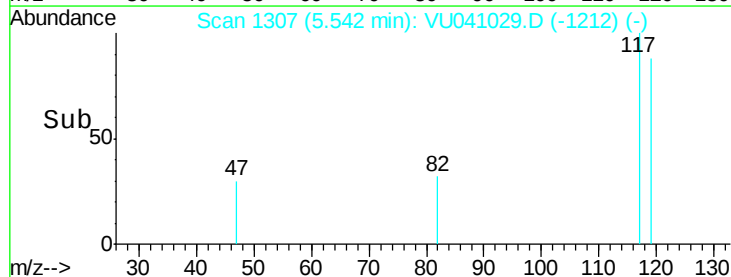
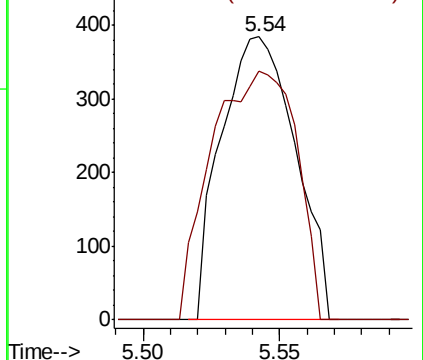


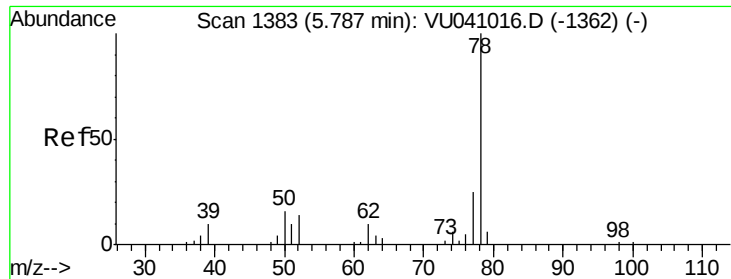
#31
 Carbon tetrachloride
 Concen: 0.130 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: VU041029.D
 Acq: 29 Oct 2020 21:22

Tgt Ion: 117 Resp: 727
 Ion Ratio Lower Upper
 117 100
 119 100.6 76.1 114.1



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





#33

Benzene

Concen: 0.024 ug/L

RT: 5.74 min Scan# 1370

Delta R.T. -0.04 min

Lab File: VU041029.D

Acq: 29 Oct 2020 21:22

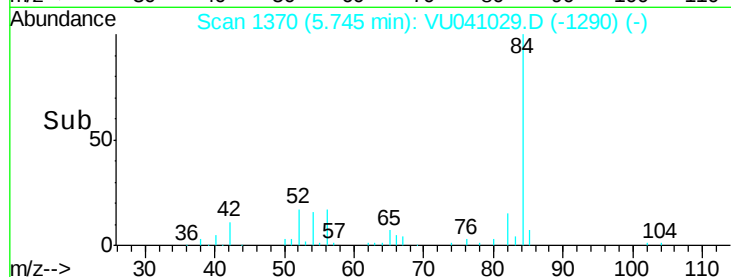
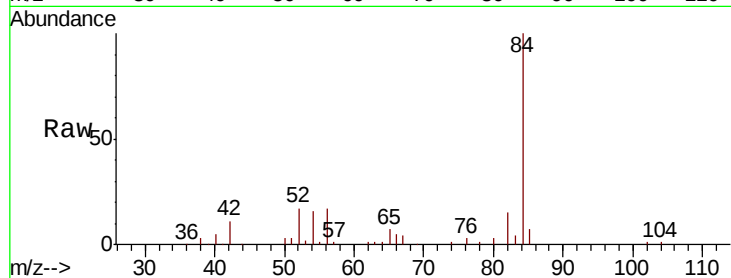
Instrument :

MSVOA_U

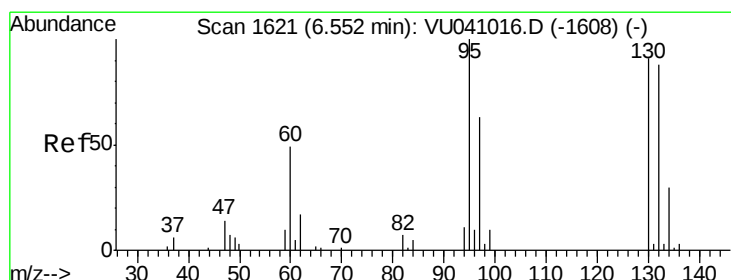
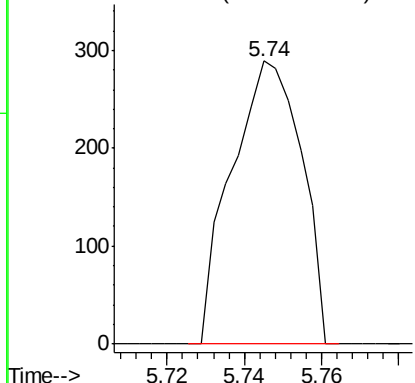
ClientSampled :

C0BQ5

Tgt Ion: 78 Resp: 363



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.919 ug/L

RT: 6.55 min Scan# 1621

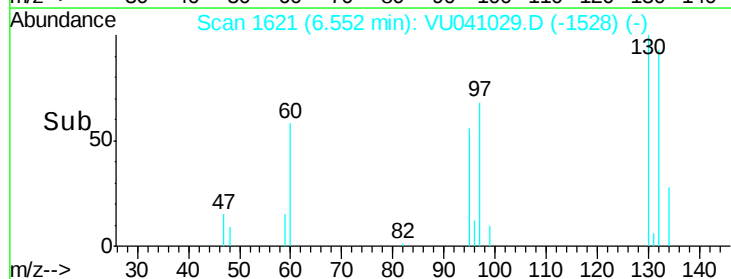
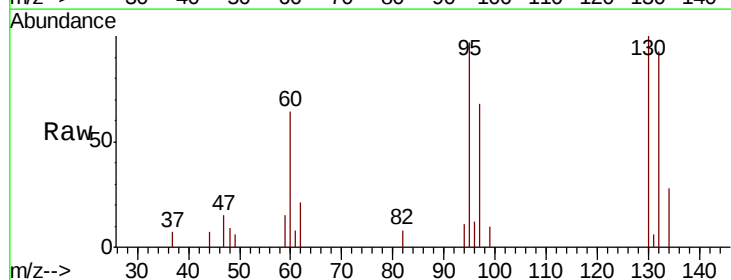
Delta R.T. -0.00 min

Lab File: VU041029.D

Acq: 29 Oct 2020 21:22

Tgt Ion: 95 Resp: 3609

Ion	Ratio	Lower	Upper
95	100		
97	69.7	45.6	84.6
132	95.8	64.8	120.4
130	102.9	64.8	120.4

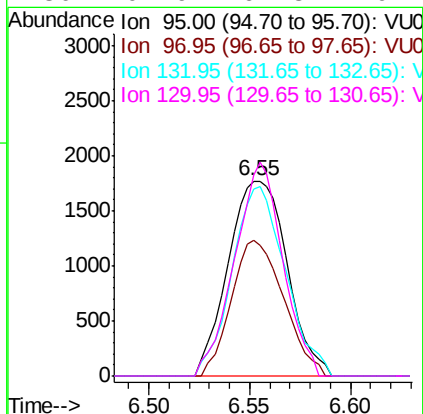


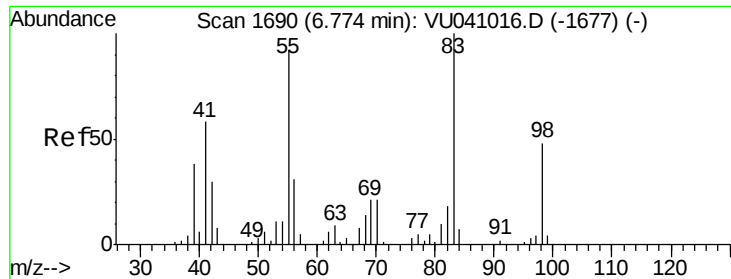
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

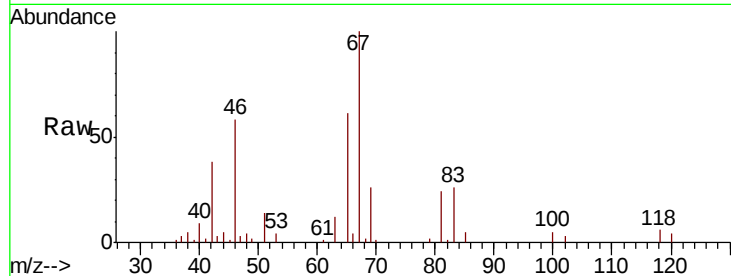




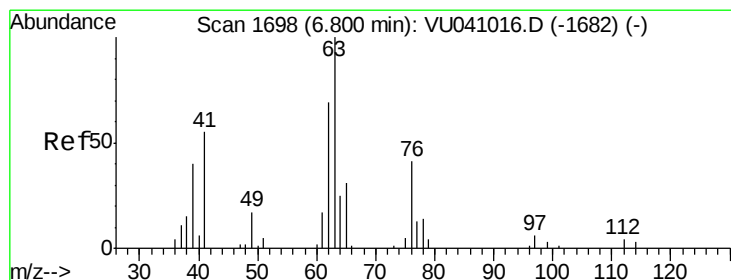
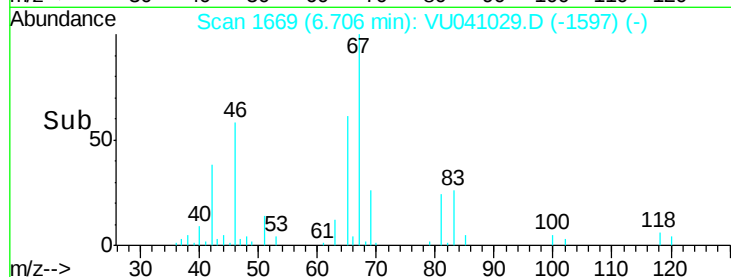
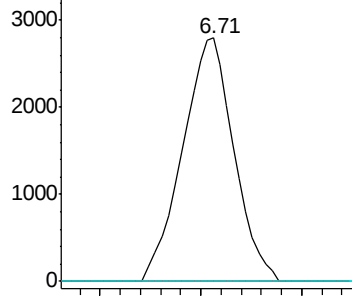
#35
Methvlcvclohexane
Concen: 0.846 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU041029.D
Acq: 29 Oct 2020 21:22

Instrument :
MSVOA_U
ClientSampleId :
C0BQ5

Tot Ion: 83 Resp: 4961
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

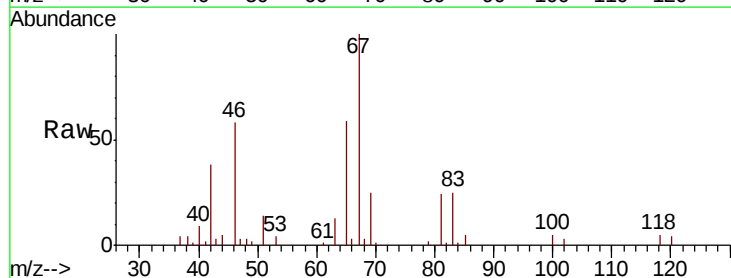


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

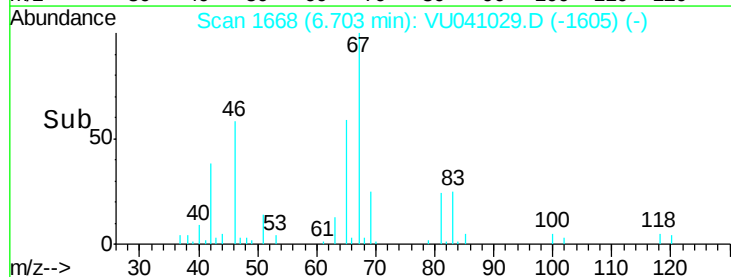
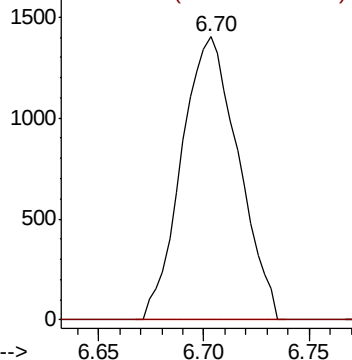


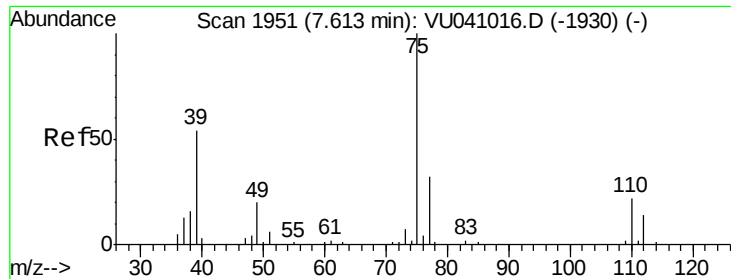
#37
1,2-Dichloropropane
Concen: 0.629 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041029.D
Acq: 29 Oct 2020 21:22

Tgt Ion: 63 Resp: 2629
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

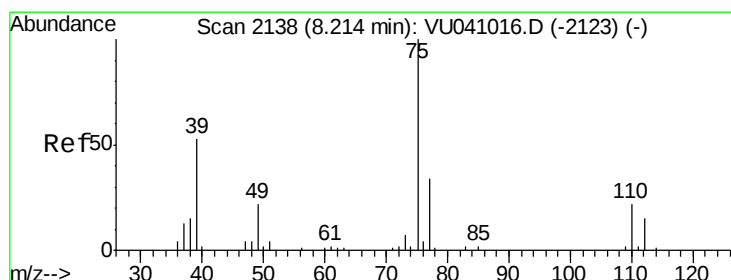
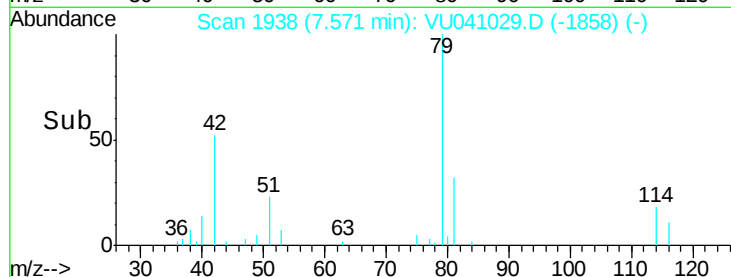
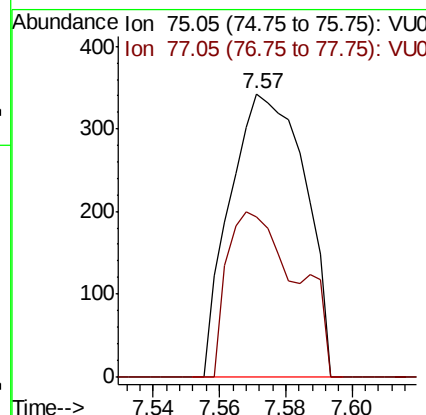
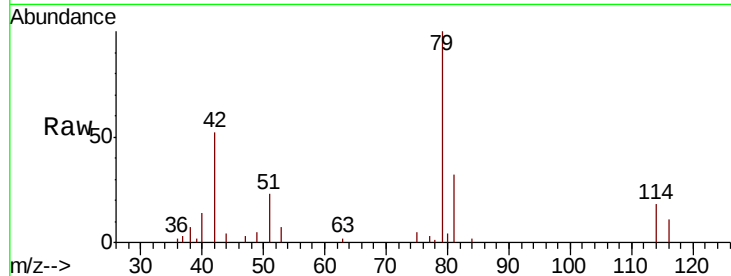




#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041029.D
 Acq: 29 Oct 2020 21:22

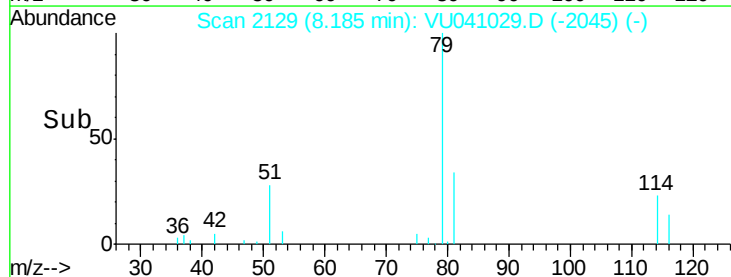
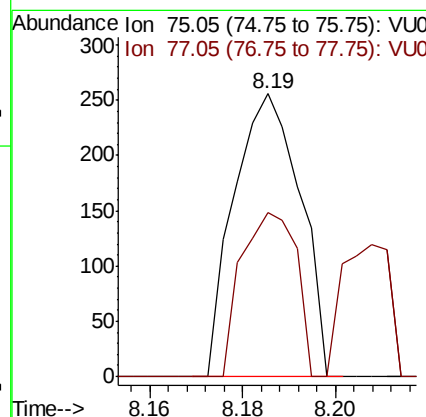
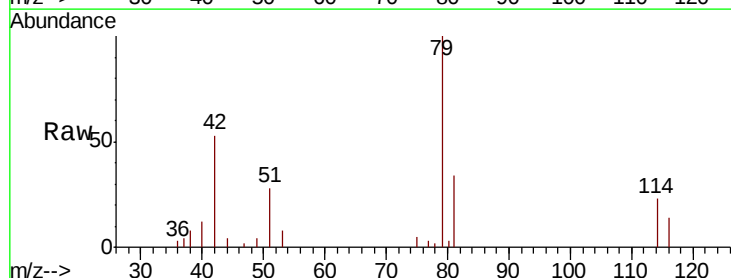
Instrument :
 MSVOA_U
 ClientSampleId :
 C0BQ5

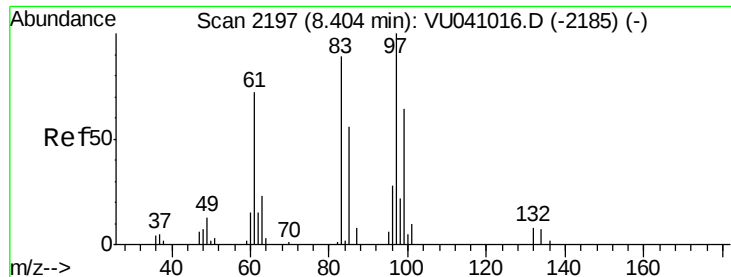
Tot Ion: 75 Resp: 539
 Ion Ratio Lower Upper
 75 100
 77 56.3 22.7 42.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.047 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU041029.D
 Acq: 29 Oct 2020 21:22

Tgt Ion: 75 Resp: 254
 Ion Ratio Lower Upper
 75 100
 77 57.8 23.3 43.3#





#45

1,1,2-Trichloroethane

Concen: 0.056 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU041029.D

Acq: 29 Oct 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

C0BQ5

Tot Ion: 97 Resp: 173

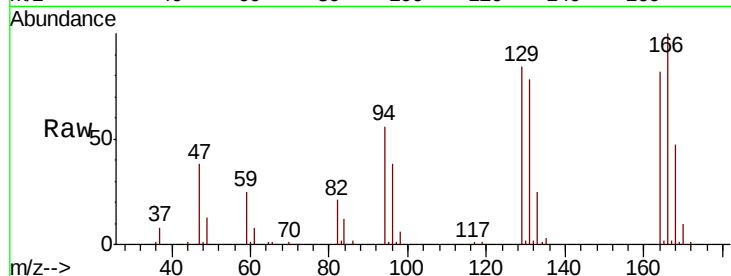
Ion Ratio Lower Upper

97 100

99 0.0 45.8 85.2#

83 279.8 67.9 126.1#

85 0.0 42.8 79.6#



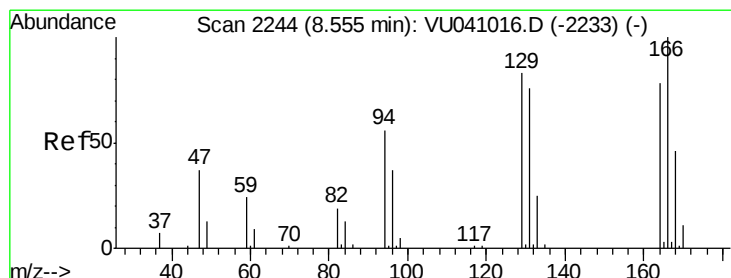
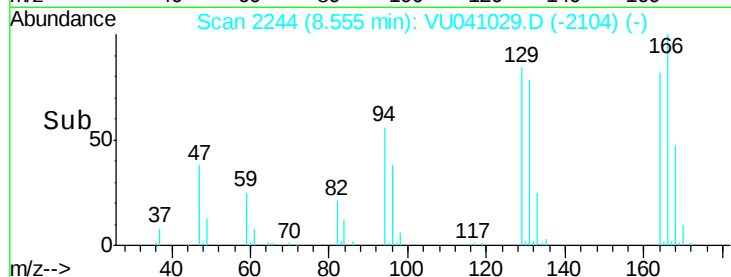
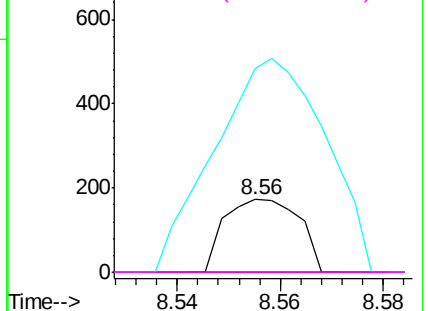
Abundance

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: 9.799 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041029.D

Acq: 29 Oct 2020 21:22

Tgt Ion:164 Resp: 28311

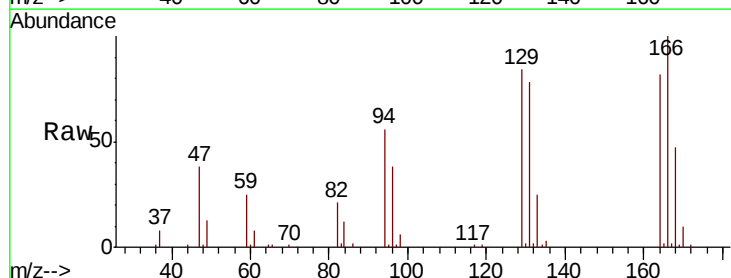
Ion Ratio Lower Upper

164 100

129 103.0 70.3 130.7

131 95.5 70.8 131.4

166 122.6 92.0 170.8



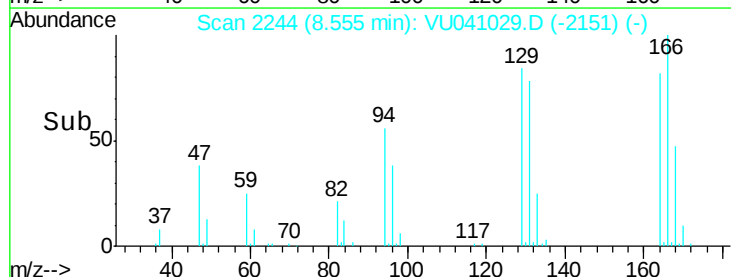
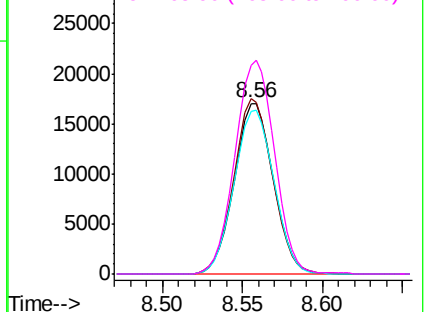
Abundance

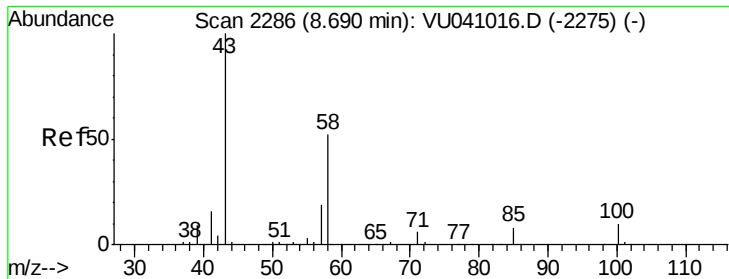
Ion 163.90 (163.60 to 164.60): V

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

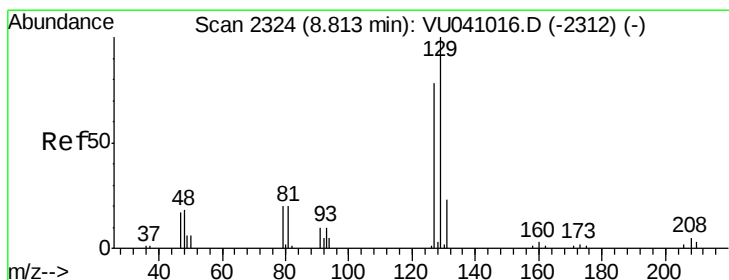
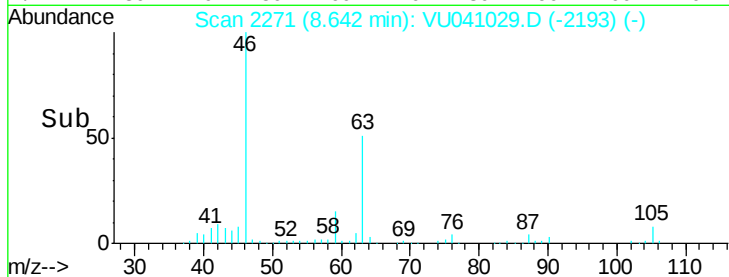
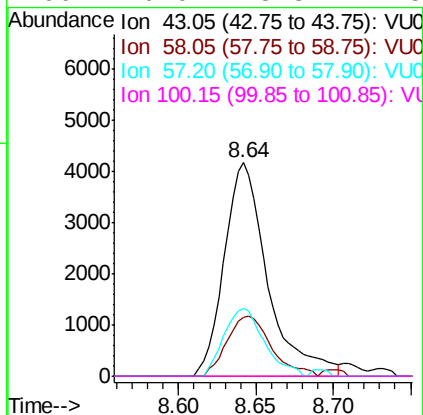
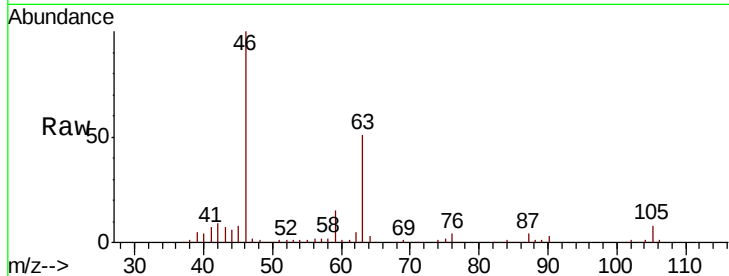




#48
2-Hexanone
Concen: 3.234 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041029.D
Acq: 29 Oct 2020 21:22

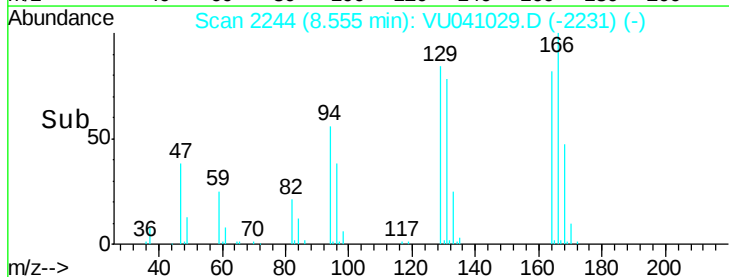
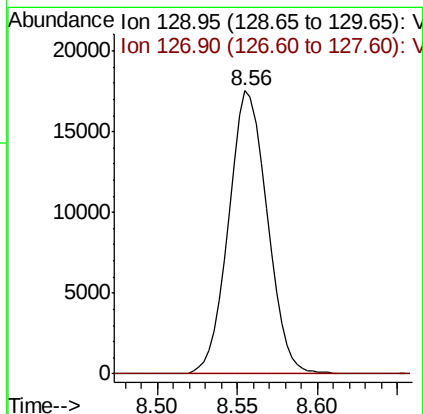
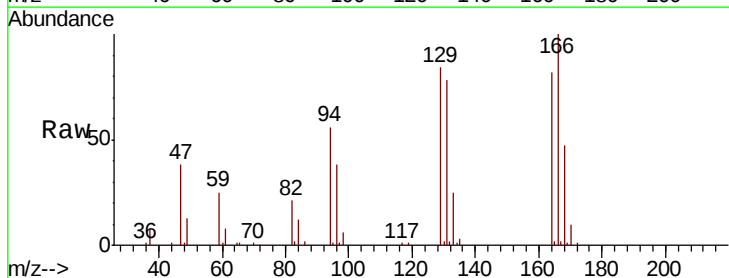
Instrument :
MSVOA_U
ClientSampleId :
C0BQ5

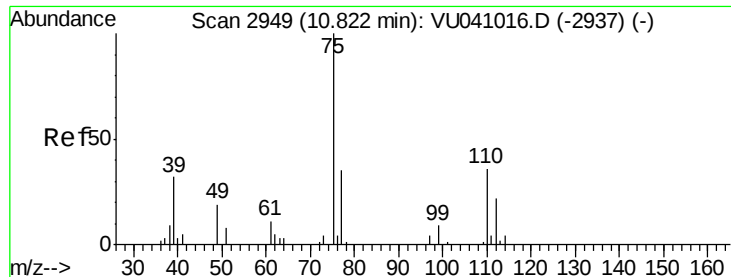
Tot Ion	Ratio	Lower	Upper
43	100		
58	28.6	41.4	62.2#
57	29.5	14.6	21.8#
100	0.0	8.3	12.5#



#49
Dibromochloromethane
Concen: 8.013 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041029.D
Acq: 29 Oct 2020 21:22

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





#59

1,2,3-Trichloropropane

Concen: 0.987 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041029.D

Acq: 29 Oct 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

C0BQ5

Tot Ion: 75 Resp: 3074

Ion Ratio Lower Upper

75 100

77 35.0 25.7 38.5

